

KeyView

Software Version 12.6

PDF Export SDK C Programming Guide



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Part 1: Overview of PDF Export

This section provides an overview of the Micro Focus IDOL KeyView Export SDK and describes how to use the C implementation of the API.

- [Introducing PDF Export](#)

Chapter 1: Introducing PDF Export

This guide is for developers who want to incorporate Micro Focus KeyView PDF conversion technology into their applications using a C development environment. It is intended for readers who are familiar with C.

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Overview

PDF Export is part of the KeyView Export SDK. It enables you to convert virtually any document, spreadsheet, presentation, or graphic into a high-fidelity PDF document. Incorporating this technology into your applications enables your end-users to access a document even if they do not have the appropriate plug-in or native application.

The Export SDK is available for 64-bit Windows and 64-bit Linux.

The Export SDK is part of the KeyView suite of products. KeyView provides high-speed text extraction, conversion to web-ready HTML and well-formed XML, and high-fidelity document viewing.

Features

- Dynamically convert word processing, spreadsheet, presentation, and graphics files into PDF documents.
- Export supports over 300 formats in 70 languages.
- Convert files out of process. Out-of-process conversion ensures the stability and robustness of the calling application if a corrupt document causes an exception or causes the conversion process to fail.
- Export automatically recognizes the file format being converted and uses the appropriate reader. Your application does not need to rely on file name extensions to determine the file format.

Platforms, Compilers, and Dependencies

This section lists the supported platforms, supported compilers, and software dependencies for the KeyView software.

Supported Platforms

KeyView PDF Export 12.6 is supported on the following platforms.

Windows x86-64

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012
- Windows 10
- Windows 7 SP1
- Windows Server 2008 R2
- Windows Server 2008 SP2

Linux x86-64

The minimum supported versions of particular distributions are:

- Red Hat Enterprise Linux (RHEL) 6
- CentOS 6
- SuSE Linux Enterprise Server (SLES) 12
- Ubuntu 14.04
- Debian 8

Supported Compilers

| Platform | Architecture | Compiler Name | Compiler Version |
|-------------------|--------------|---------------|---|
| Microsoft Windows | x86 | cl | Microsoft 32-bit C/C++ Optimizing Compiler Version 16.00.30319.01 for x86 |
| | x64 | cl | Microsoft C/C++ Optimizing Compiler Version 16.00.30319.01 for x64 |
| Linux | x86 | gcc / g++ | 3.4.3 (Redhat 4), 4.1.0 (SuSE Linux 10) |
| | x64 | gcc / g++ | 4.1.0 (Redhat 4), 4.1.0 (SuSE Linux 10) |

Supported Compilers for Java Components

| Component | Compiler |
|-----------------|----------|
| Java components | Java 7 |

Software Dependencies

Some KeyView components require specific third-party software:

- Java Runtime Environment (JRE) or Java Software Developer Kit (JDK) version 7 is required for graphics conversion in Export SDK.
- Microsoft Visual C++ 2013 and Microsoft Visual C++ 2019 Redistributables (Windows only).

Windows Installation

To install the SDK on Windows, use the following procedure.

To install the SDK

1. Run the installation program, `KeyViewProductNameSDK_VersionNumber_OS.exe`, where *ProductName* is the name of the product, *VersionNumber* is the product version number, and *OS* is the operating system.

For example:

`KeyViewExportSDK_12.6_Windows_X86_64.exe`


The installation wizard opens.

2. Read the instructions and click **Next**.

The License Agreement page opens.

3. Read the agreement. If you agree to the terms, click **I accept the agreement**, and then click **Next**.

The Installation Directory page opens.

4. Select the directory in which to install the SDK. To specify a directory other than the default, click  , and then specify another directory. After choosing where to install the SDK, click **Next**.

The License Key page opens.

5. Type the company name and license key that were provided when you purchased KeyView, and then click **Next**.
 - The company name is case sensitive.
 - The license key is a string that contains 31 characters.

NOTE: The installation program validates the company name and license key and generates the file `install\OS\bin\kv.lic` (where `install` is your chosen installation folder and `OS` is the name of the operating system platform). The license information is validated when the KeyView API is used. If you do not enter a license key at this step, or if you enter invalid information, the KeyView SDK is installed, but the API does not function. When you obtain a valid license key, you can either re-install the KeyView SDK, or manually update the license key file (`kv.lic`) with the new information. For more information, see [License Information, on the next page](#).

The Pre-Installation Summary dialog box opens.

6. Review the settings, and then click **Next**.

The SDK is installed.

7. Click **Finish**.

UNIX Installation

To install the SDK, use one of the following procedures.

To install the SDK from the graphical interface

- Run the installation program and follow the on-screen instructions.

To install the SDK from the console

1. Run the installation program from the console as follows:

```
./KeyViewExportSDK_VersionNumber_Platform.exe --mode text
```

where:

VersionNumber is the product version.

Platform is the name of the platform.

2. Read the welcome message and instructions and press `Enter`.

The first page of the license agreement is displayed.

3. Read the license information, pressing `Enter` to continue through the text. After you finish reading the text, and if you accept the agreement, type `y` and press `Enter`.

You are asked to choose an installation folder.

4. Type an absolute path or press `Enter` to accept the default location.

You are asked for license information.

5. At the **Company Name** prompt, type the company name that was provided when you purchased KeyView, and then press `Enter`. The company name is case sensitive.

6. At the **License Key** prompt, type the license key that was provided when you purchased KeyView, and then press `Enter`. The license key is a string that contains 31 characters.

NOTE: The installation program generates the file `install\OS\bin\kv.lic` (where `install` is your chosen installation folder and `OS` is the name of the operating system platform). The license information is validated when the KeyView API is used. If you do not enter a license key at this step, or if you enter invalid information, the KeyView SDK is installed but the API does not function. When you obtain a valid license key, you can either re-install the KeyView SDK, or manually update the license key file (`kv.lic`) with the new information. For more information, see [License Information, below](#).

The Pre-Installation summary is displayed.

7. If you are satisfied with the information displayed in the summary, press `Enter`.

The SDK is installed.

Package Contents

The Export installation contains:

- Libraries and executable files necessary for converting source documents into high-quality PDF files (see [Files Required for Redistribution, on page 170](#)).
- The include files that define the functions and structures used by the application to establish an interface with Export (see the `include` directory for PDF Export).
- The sample program `cnv2pdf`, which demonstrates PDF Export functionality.

License Information

During installation, the installation program generates the `install/OS/bin/kv.lic` file, where `install` is the directory in which you installed KeyView, and `OS` is the operating system. This file is opened and validated when the KeyView API is used.

TIP: Where the API allows, Micro Focus recommends that you provide the license by using the API (`fpInitWithLicenseData()`), rather than using the license file.

The license key controls whether the following are enabled:

- the full version of the KeyView SDK
- the trial version of the KeyView SDK
- language detection and advanced document readers—The following components are considered advanced features, and are licensed separately:
 - Microsoft Outlook Personal Folders (PST) readers (`pstsr`, `pstnsr`, and `pstxsr`)
 - Lotus Notes database (NSF) reader (`nsfsr`)

- Mailbox (MBX) reader (mbxsr)
- Character set detection library (kvlangdetect)

If you change the license key at any time, you must update the licensing information. See [Update License Information](#).

Enable Advanced Document Readers

To enable advanced readers in one of the KeyView SDKs, you must obtain an appropriate license key from Micro Focus and update the installed license key with the new information as described in [Update License Information](#).

Update License Information

If you currently have an evaluation version of KeyView and have purchased a full version of the SDK, or you are adding a document reader (for example, the PST reader), you must update the license information that was installed with the original version of the KeyView SDK.

If you installed a full version of KeyView, but did not enter licensing information at the time of installation, you must also update the license information.

To update the information, do one of the following:

- Pass the new license information to `fpInitWithLicenseData()`.
- Manually update the license information that is stored in the text file named `kv.lic`.
- Re-install the product and enter the new license information when prompted.

Where possible, Micro Focus recommends that you update the license information by using the API. This method allows you to update your license without including a license file in the software that you distribute. This method is available for the C APIs in the Filter SDK, HTML Export SDK, and XML Export SDK.

Alternatively, you can create a license file and include it in the bin folder with the KeyView DLLs. This file must be called `kv.lic`, and must have your organization name on the first line, and your license key on the second line, with no white-space surrounding either.

To update the license information in the API

- Pass the new license information to `fpInitWithLicenseData()`.

To update the kv.lic

1. Open the license key file, `kv.lic`, in a text editor. The file is in the `install\OS\bin` directory, where `install` is the directory in which you installed KeyView, and `OS` is the operating system. The file contains the following text:

```
COMPANY NAME  
XXXXXXXX-XXXXXXXX-XXXXXXXX-XXXXXXXX
```

2. Replace the text *COMPANY NAME* with the company name that appears at the top of the License Key Sheet provided by Micro Focus. Enter the text exactly as it appears in the document.
3. Replace the characters *XXXXXX-XXXXXX-XXXXXX-XXXXXX* with the appropriate license key from the License Key Sheet provided by Micro Focus. The license key is listed in the **Key** column in the **Standalone Products** table. The key is a string that contains 31 characters, for example, 2TQD22D-2M6FV66-2KPF23S-2GEM5AB. Enter the characters exactly as they appear in the document, including the dashes, but do not include a leading or trailing space.
4. The finished `kv.lic` file looks similar to the following:

```
Autonomy  
24QD22D-2M6FV66-2KPF23S-2G8M59B
```

5. Save the `kv.lic` file.

Directory Structure

The following table describes the directories created during the PDF Export installation. The variable *install* is the path name of the Export installation directory (for example, `/usr/autonomy/KeyviewExportSDK` on UNIX, or `C:\Program Files\Autonomy\KeyviewExportSDK` on Windows). On UNIX, the PDF Export directory is named `/pdfexpt`.

The variable *OS* is the operating system for which the SDK is installed. For example, the `bin` directory on a standard 32-bit Windows installation would be located at `C:\Program Files\Autonomy\KeyviewExportSDK\WINDOWS\bin`.

PDF Export is installed as part of the HTML Export package. For more information about HTML Export, refer to the *HTML Export C and COM Programming Guide* and *HTML Export Java Programming Guide*.

PDF Export installed directory structure

| Directory | Description |
|--|---|
| <code>install\OS\bin</code> | Contains the libraries, executables for sample programs, the Java program (<code>kv raster.class</code>), the Java applet (<code>kv vector.jar</code>), the format detection file, <code>formats_e.ini</code> , the license key file (<code>kv.lic</code>), and a number of other supporting files. |
| <code>install\pdfexport\cnv2pdf</code> | Contains the C source code for a sample program that creates a PDF file. The executable for this sample program is in the <code>bin</code> directory. |
| <code>install\pdfexport\include</code> | Contains the header files for PDF Export. |
| <code>install\testdocs</code> | Contains sample word processing, spreadsheet, and presentation files that you can use to test PDF Export's options. You might also find this directory useful when testing your own applications. |

Part 2: Use the Export API

This section explains how to perform some basic tasks using the Export APIs, and describes the sample programs. It contains the following chapters:

- [Use the PDF Export API](#)
- [Sample Programs](#)

Chapter 2: Use the PDF Export API

This section describes how to perform some basic tasks by using the PDF Export API.

- [Get a Session Context](#) 16
- [Export a File to PDF](#) 18
- [Obtain File Format Information](#) 19

Get a Session Context

Use of the PDF Export API requires the following steps:

1. Dynamically load the `kvpdf` shared library.
2. Obtain a handle to the `KVPDFGetInterface` function.
3. Call the `KVPDFGetInterface` function to obtain function pointers for the library methods.
4. Call the `fpInit()` function pointer to initialize `KeyView`.
5. Perform any necessary tasks using the Export API.
6. Call `fpShutdown()` to close down `KeyView`.
7. Free the `kvpdf` library.

The code you use to load the library at the start and free the library at the end depends on your operating system. See [Use the kvpdf library on Windows, below](#) and [Use the kvpdf library on Linux, on the next page](#)

After you have obtained the function pointer for the `KVPDFGetInterface` function, you can use it to get pointers to the other functions. These include `fpInit()`, which you must use to initialize `KeyView` before any other call, and `fpShutdown()` which must be the last call you make, to shutdown `KeyView` and free its resources. See [Export a File to PDF, on page 18](#) and [Obtain File Format Information, on page 19](#).

The following examples describe how to load the `kvpdf` library and obtain the `KVPDFGetInterface` function pointer (`fpGetInterface()` in the example code).

Use the kvpdf library on Windows

In the following example, `pszPathOfkvpdfd11` is the path to the `kvpdf` dynamic library, for example `C:\MicroFocus\KeyviewExportSDK-12.3.0\WINDOWS_X86_64\bin\kvpdf.dll`.

```
#include "kvpdf.h"
#include <windows.h>
#include <stdio.h>

void usePDFExport(const char* const pszPathOfkvpdfd11)
{
```



```
HMODULE hMODULE = LoadLibraryA(pszPathOfkvpdfdll);
if (hMODULE)
{
    KVPDF_GET_INTERFACE fpGetInterface =
        (KVPDF_GET_INTERFACE) GetProcAddress(
            hMODULE, "KVPDFGetInterface"
        );
    if (fpGetInterface)
    {
        KVPDFInterface sInterface = {0};
        KVStructInit(&sInterface);
        if (fpGetInterface(&sInterface))
        {
            // Code using PDF Export
        }
    }
    FreeLibrary(hMODULE);
}
}
```

Use the kvpdf library on Linux

In the following example, pszPathOfkvpdfso is the path to the kvpdf dynamic library, for example /opt/MicroFocus/KeyviewExportSDK-12.3.0/LINUX_X86_64_LIBC6/bin/kvpdf.so.

```
#include "kvpdf.h"
#include <dlfcn.h>

void usePDFExport(const char* const pszPathOfkvpdfso)
{
    void *libHandle = dlopen(pszPathOfkvpdfso, RTLD_LAZY);
    if (libHandle)
    {
        KVPDF_GET_INTERFACE fpGetInterface =
            dlsym(libHandle, "KVPDFGetInterface");
        if (fpGetInterface)
        {
            KVPDFInterface sInterface = {0};
            KVStructInit(&sInterface);
            if (fpGetInterface(&sInterface))
            {
                // Code using PDF Export
            }
        }
        dlclose(libHandle);
    }
}
```

Export a File to PDF

The following example illustrates how to initialize KeyView by using `fpInit()`, use the `fpConvertFileToFile()` file method, and then shutdown using `fpShutdown()`.

This example uses the `KVPDFGetInterface` function pointer, `fpGetInterface()`. For details of how to load the `kvpdf` library and obtain this pointer, see [Get a Session Context, on page 16](#).

In this example:

- `pszKeyViewDir` is the path of the folder containing the KeyView binaries, for example `C:\MicroFocus\KeyviewExportSDK-12.3.0\WINDOWS_X86_64\bin`.
- `pszTempFolder` is the path to a folder which can be used to store temporary files.
- `pszInFileName` is the name of the input file.
- `pszOutFileName` is the name of the PDF file to create. If the output file already exists it is overwritten if possible. The output PDF cannot be in the working directory.

All strings must be null-terminated.

For more details about the functions used, see [C API Reference, on page 23](#).

```
#include "kvpdf.h"

BOOL exportFileToPDF(
    KVPDFInterface sInterface,
    const char* const pszKeyViewDir,
    const char* const pszTempFolder,
    const char* const pszInFileName,
    const char* const pszOutFileName)
{
    KVPDFContext context = NULL;
    KVPDFOptions sOptions = {0};
    BOOL bSuccess = FALSE;

    KVStructInit(&sOptions);

    if (sInterface.fpInit(
        pszKeyViewDir, pszTempFolder, &context
    ).eErrorCode == KVERR_Success)
    {
        bSuccess = sInterface.fpConvertFileToFile(
            context, pszInFileName, pszOutFileName, sOptions
        ).eErrorCode == KVERR_Success;

        sInterface.fpShutdown(&context);
    }

    return bSuccess;
}
```

Obtain File Format Information

KeyView allows you to obtain the following basic information for a file:

- The character set. See the `KVCharSet` enumerated type.
- The class of document. See the `ENdocClass` enumerated type.
- The specific type of document. See the `ENdocFmt` enumerated type.
- Some other attributes such as the presence of encryption. See the `ENdocAttributes` enumerated type.

You can obtain the file format information by using the `fpGetFileInfo()` function pointer.

You call `fpGetFileInfo()` with the path to the file, and a pointer to a `KVDocInfo` structure that KeyView can fill with the file details. For more details about the `fpGetFileInfo()` function pointer, see [C API Reference, on page 23](#).

Get the Types of Files in a List

The following example illustrates how to:

- obtain function pointers by calling `KVPDFGetInterface`. The pointer to this method is passed into the function as `fpGetInterface` in this example. You need this pointer to get other function pointers, including `fpInit()`, which must be called first, and `fpShutdown()`, which must be called last. For details of how to obtain this pointer, see [Get a Session Context, on page 16](#).
- initialize KeyView using `fpInit`.
- use the `fpGetFileInfo()` method for each path in an array of file names (`ppszFileNames` in this example). The file types output are put in the `peFileTypesOutput` array of enumerated type `ENdocFmt`.
- shut down KeyView by calling `fpShutdown()`.

NOTE: If a call to `fpGetFileInfo` is unsuccessful, the `KVDocInfo` structure is not modified. The return value of `fpGetFileInfo` is therefore ignored in this example because the `KVDocInfo` structure is left zero-filled with the character set equal to `KVCS_UNKNOWN`, the document class to set to `AutoDetNoFormat`, and the file type of `Unknown_Fmt`.

```
#include "kvpdf.h"

void getTypesOfFilesInList(
    const KVPDFInterface sInterface,
    const char* const pszKeyViewDir,
    const char* const pszTempFolder,
    const char* const * const ppszFileNames,
    ENdocFmt* const peFileTypesOutput,
    const unsigned int numberOfFiles)
{
```

```
KVPDFContext context = NULL;
unsigned int i = 0;

if(sInterface.fpInit(
    pszKeyViewDir, pszTempFolder, &context
).eErrorCode != KVERR_Success)
{
    return;
}

for (i = 0; i < numberOfFiles; i++)
{
    // (ENdocFmt) 0 = Unknown_Fmt
    KVDocInfo sDocInfo = {0};
    sInterface.fpGetFileInfo(context, ppszFileNames[i], &sDocInfo);
    peFileTypesOutput[i] = sDocInfo.adInfo.eFormat;
}

sInterface.fpShutdown(&context);
}
```

Chapter 3: Sample Programs

This section describes the sample programs provided with PDF Export.

- [Introduction](#)21
- [cnv2pdf](#)21

Introduction

The sample programs demonstrate how to use the C implementations of PDF Export.

The sample code is intended to provide a starting point for your own applications or to be used for reference purposes.

The source code and makefile for each program are in the directory:

```
install\pdfexport\programs\program_name
```

where *install* is the path name of the Export installation directory, and *program_name* is the name of the sample program.

C Sample Programs

The C sample programs demonstrate how to use the C implementation of PDF Export. The following sample programs are provided:

- [cnv2pdf, below](#)

You can use the `cnv2pdf` sample program on Windows and UNIX.

NOTE: The sample programs do not parse white space in file names. If your file names contain spaces, use quotation marks around the entire path name. Inserting quotation marks around the file name only does not work.

To compile the sample programs, use the makefiles provided in the sample programs' directory. Ensure the PDF Export `include` directory is specified in the include path of the project. After the executables are compiled and built, you must place them in the same directory as the PDF Export libraries.

cnv2pdf

The `cnv2pdf` sample program demonstrates PDF export, taking an input file and creating a PDF from it.

To run `cnv2pdf`, type the following at the command line:

```
cnv2html [options] inputfile outputfile
```

where:

options is one or more of the options listed in [Options for cnv2pdf, on the next page](#).

inputfile is the full path and file name of the source document.

outputfile is the full path and file name of the PDF output file.

The following options are available.

Options for `cnv2pdf`

| Option | Description |
|------------------------------|---|
| <code>-p password</code> | This option specifies a password, <i>password</i> , for the input file to allow KeyView to open it. |
| <code>-s width height</code> | This option specifies the default dimensions to use for the created PDF (in inches) if no width or height is available from the input file. |

Part 3: C API Reference

This section provides detailed reference information for the C-language implementation of the Export APIs.

- [PDF Export API Functions](#)
- [PDF Export API Structures](#)
- [Enumerated Types](#)

Chapter 4: PDF Export API Functions

This section describes the functions in the PDF Export API. Each function appears as a function prototype followed by a description of its arguments, its return value, and discussion of its use.

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KVPDFGetInterface()

This function is exported by the Export definition file. It supplies function pointers to other PDF Export functions. When `KVPDFGetInterface()` is called, it assigns the function pointers to the structure pointed to by `pInterface`.

Syntax

```
void pascal KVPDFGetInterface (KVPDFInterface *pInterface);
```

Arguments

`pInterface` A pointer to the structure `KVPDFInterface`, initialized by using the `KVStructInit()` macro.

Returns

- If `pInterface` points to a `KVPDFInterface` structure initialized using the `KVStructInit()` macro, the return value is **TRUE**, showing that the function pointers of the interface structure have been set.
- If `pInterface` is `NULL` or the `KVStructHeader` of the `KVPDFInterface` structure are not set correctly, the return value is **FALSE**.

fpConvertFileToFile()

This function converts a source file to an output PDF file.

Syntax

```
KVPDFState pascal fpConvertFileToFile(  
    const KVPDFContext context,  
    const char* const pszInFileName,  
    const char* const pszOutFileName,  
    const KVPDFOptions options)
```

Arguments

| | |
|----------------|--|
| Context | A context value obtained by using fpInit() . |
| pszInFileName | A null-terminated C string that contains the path of the file to export to PDF. |
| pszOutFileName | A null-terminated C string that contains the full file path where the export process must create the PDF. This value cannot be the current working directory. |
| options | A KVPDFOptions structure to set default page dimensions (for when none can be obtained from the source file), or to specify a password to use when the input file is password protected. Initialize a KVPDFOptions structure with the KVStructInit() macro and then modify the structure as necessary. |

Returns

- If the call is successful, a KVPDFState structure with eErrorCode set to `KVERR_Success`.
- If the call is unsuccessful, a KVPDFState structure that indicates the reason for the error.

Discussion

- You cannot create PDF files in the current working directory.
- If the target PDF file exists, this function overwrites it if possible.
- On Windows systems, specify the paths in the local Windows code page.
- You must initialize the options structure by using the [KVStructInit\(\)](#) macro.

fpGetFileInfo()

This function returns information about a file such as its format and character set.

Syntax

```
KVPDFState pascal fpGetFileInfo(  
    const KVPDFContext context,
```

```
const char* const pszInFileName,  
KVDocInfo* const pDocInfo);
```

Arguments

| | |
|---------------|--|
| Context | A context value obtained by using fpInit() . |
| pszInFileName | A null-terminated C string that contains the path of the file to retrieve information about. |
| pDocInfo | A pointer to a KVDocInfo structure to write the file information to. |

Returns

- If the call is successful, a KVPDFState structure with eErrorCode set to KVERR_Success.
- If the call is unsuccessful, a KVPDFState structure that indicates the reason for the error.

Discussion

- On Windows systems, specify the paths in the local Windows code page.
- You must **not** initialize the KVDocInfo structure by using the KVStructInit() macro.
- If the call is unsuccessful and returns an error state, the memory that pDocInfo points to has not been modified.

fpInit()

This function initializes an Export session. If initialization is successful, the KVPDFContext value pointed to by pContext is set to a valid context identifier. This context value must be passed as the first parameter to all other PDF Export functions.

Syntax

```
KVPDFState pascal fpInit(  
    const char* const pszKeyViewDir,  
    const char* const pszTempFolder,  
    KVPDFContext* const pContext);
```

Arguments

| | |
|---------------|--|
| pszKeyViewDir | A null-terminated C string that contains the path of the directory where the Export components are located. This is normally the directory <i>install\OS\bin</i> , where <i>install</i> is the path name of the Export installation directory and <i>OS</i> is the name of |
|---------------|--|

the operating system.

| | |
|----------------------------|--|
| <code>pszTempFolder</code> | (Optional) A null-terminated C string that contains the path of a directory to use to store temporary files during the conversion process. Set this value to <code>NULL</code> to default to the system temporary directory. |
| <code>pContext</code> | A valid pointer to a value of type <code>KVPDFContext</code> . If initialization is successful, this target is set to a context-identifying value, which you must supply to subsequent export functions. |

Returns

- If the call is successful, a `KVPDFState` structure with `eErrorCode` set to `KVERR_Success`.
- If the call is unsuccessful, a `KVPDFState` structure that indicates the reason for the error.

Discussion

- You can perform multiple calls to subsequent functions in serial using the same context (session).
- On Windows systems, specify the paths in the local Windows code page.
- To ensure multithreaded conversions are thread-safe, you must create a unique context pointer for every thread by calling `fpInit()`. In addition, threads must not share context pointers, and you must use the same context pointer for all API calls in the same thread.
- When the conversion context is no longer required, you must terminate by calling `fpShutdown()`. See [fpShutdown\(\)](#), below.
- Internally, `KVPDFContext` is a pointer, and Micro Focus recommends that you initialize values of type `KVPDFContext` to `NULL`.
- If the call is unsuccessful, the value pointed to by `pContext` is not modified. No context has been created so there is no need to call `fpShutdown()`.

IMPORTANT: It is not safe to call `fpShutdown()` with any value other than one arising from a successful call to `fpInit()` (or `NULL`).

fpShutdown()

This function terminates a PDF Export session that was initialized by [fpInit\(\)](#), and frees allocated system resources. Call this function when the conversion context is no longer required.

Syntax

```
void pascal fpShutdown(KVPDFContext* const pContext);
```

Arguments

pContext A pointer to a context-identifying value of type `KVPDFContext`, obtained by calling [fpInit\(\)](#). The function sets the associated `KVPDFContext` variable to `NULL` to prevent accidental reuse of the context value that it contained, which must not subsequently be passed to any `KeyView` function.

Returns

None.

Discussion

- `pContext` pointer must not be `NULL`.
- The context value pointed to by `pContext` can be `NULL`.
- After you call this function, you must not pass the context to any PDF export function. Consequently, you must not call `fpShutDown` more than once with a pointer to the same value (unless that value is `NULL`).

Chapter 5: PDF Export API Structures

This section provides information on the structures used by the PDF Export API. These structures are defined in `kvtypes.h`, and `adinfo.h`.

- [ADDOCINFO](#) 29
- [KVDocInfo](#) 30
- [KVPDFInterface](#) 30
- [KVStructHead](#) 31
- [KVPDFState](#) 31
- [KVPDFContext](#) 32
- [KVPDFOptions](#) 33

ADDOCINFO

This structure provides the format, file class, and version number of the source document. It is defined in `adinfo.h` and is part of the [KVDocInfo, on the next page](#) structure.

```
typedef struct
{
    ENdocClass      eClass;
    ENdocFmt        eFormat;
    long            lVersion;
    unsigned long   ulAttributes;
}
ADDOCINFO;
```

Member Descriptions

| | |
|---------------------------|--|
| <code>eClass</code> | The file class of the source document (for example, spreadsheet, word processor, or encapsulation format) as defined by the <code>ENdocClass</code> enumerated type in <code>adinfo.h</code> . |
| <code>eFormat</code> | The major format of the source document (such as Microsoft Word or Corel Presentation) as defined by the <code>ENdocFmt</code> enumerated type in <code>adinfo.h</code> . |
| <code>lVersion</code> | The version number of the file format. The number is multiplied by 1000. For example, 1.02 is represented by 1020. |
| <code>ulAttributes</code> | Other attributes of the document as defined by the ENDocAttributes, on page 41 enumerated type in <code>adinfo.h</code> . |

Discussion

When format detection is enhanced in future releases, new format IDs might be added to the `ENdocFmt` enumerated type. When you use this type, your code should ensure binary compatibility with future releases. For example, if you use an array to access format information based on a format ID, your code should check that the format ID is less than `Max_Fmt` before accessing the data. This ensures that new format codes are detected when you add KeyView binary files from new releases to your existing installation.

KVDocInfo

This structure provides the character set, format, file class, and version number of the source document. It is defined in `adinfo.h` as `KVStreamInfo`.

```
typedef struct
{
    KVCharSet    charset;
    ADDOCINFO    adInfo;
}
KVDocInfo;
```

Member Descriptions

`charset` The character set of the source document, if that information can be determined. The available character sets are enumerated in `KVCharSet` in `kvcharset.h`.

`adInfo` The format of the source document. See [ADDOCINFO](#), on the previous page.

KVPDFInterface

This structure contains pointers to the PDF Export API functions. You can set the pointers by calling the [KVPDFGetInterface\(\)](#) function.

```
typedef struct
{
    KVStructHeader;
    KVPDF_INIT                fpInit;
    KVPDF_CONVERT_FILE_TO_FILE fpConvertFileToFile;
    KVPDF_GET_FILE_INFO       fpGetFileInfo;
    KVPDF_SHUTDOWN            fpShutDown;
}
KVPDFInterface;
```

Member Descriptions

`KVStructHeader` The KeyView version of the structure. See [KVStructHead](#), below.

The subsequent members of this structure are the pointers to the API functions. See [PDF Export API Functions](#), on page 24

KVStructHead

This structure contains the current KeyView version number and is the first member of other structures. It enables Micro Focus to modify the structures in future releases, but to maintain backward compatibility. Before initializing a structure that contains the `KVStructHead` structure, use the macro `KVStructInit` to initialize it as illustrated in the example below. You do not need to set any of the members of `KVStructHead` because this is handled by `KVStructInit`. The structure and macro are defined in `kvtypes.h`.

```
typedef struct _KVStructHead
{
    WORD    version;
    WORD    size;
    DWORD  reserved;
    void    *internal;
} KVStructHeadRec, *KVStructHead;
```

Member Descriptions

`version` The current KeyView version number. This is a symbolic constant (`KeyviewVersion`) defined in `kvtypes.h`. This constant is updated for each KeyView release.

`size` The size of the `KVStructHeadRec` structure.

`reserved` Reserved for internal use.

`internal` Reserved for internal use.

Example

```
KVOpenFileArgRec openArg;
KVStructInit(&openArg);
```

KVPDFState

This structure is returned by PDF export functions to indicate whether they were successful, and if they failed to give the reason why.

```
typedef struct
{
    KVErrCode          eErrCode;
    KVErrCodeEx       eErrCodeEx;
}
KVPDFState;
```

Member Descriptions

eErrCode The error code returned by KeyView. This enumerated type is defined in `kverrors.h`.

eErrCodeEx The extended error code returned by KeyView. This enumerated type is defined in `kverrors.h`.

Discussion

To evaluate a `KVPDFState` object, check `eErrCode` first. A value of `KVERR_Success (0)` indicates success. Any other value indicates failure.

You can ignore `eErrCodeEx` unless `eErrCode` is `KVERR_General`. In this case, `eErrCodeEx` might contain an extended error code that gives more information. If no more detail is available, `eErrCodeEx` is set to `0`.

Example

In this example, a state object is used to obtain the error code as an integer.

```
int convertStateToError(const KVPDFState state)
{
    if (state.eErrCode == KVERR_General && state.eErrCodeEx != (KVErrCodeEx)0)
    {
        return state.eErrCodeEx;
    }

    return state.eErrCode;
}
```

KVPDFContext

This pointer identifies a KeyView session. `kvpdf.h` contains its forward declaration. `tag_KVPDFContext` is for internal use only, and so is not defined in the public headers.

```
typedef struct tag_KVPDFContext *KVPDFContext;
```


KVPDFOptions

This structure modifies PDF Export options.

```
typedef struct
{
    KVStructHeader;
    char pszSourceFilePassword[MAX_PASSWORD_LEN];
    double pageWidthInches;
    double pageHeightInches;
}
KVPDFOptions;
```

Member Descriptions

| | |
|------------------------------------|--|
| <code>KVStructHeader</code> | The KeyView version of the structure. See KVStructHead , on page 31. |
| <code>pszSourceFilePassword</code> | A fixed length char array, which should either be left zero-filled, or contain a password as a null-terminated C string. |
| <code>pageWidthInches</code> | The default page width to use when a page width cannot be determined from the source document, in inches. |
| <code>pageHeightInches</code> | The default page height to use when a page height cannot be determined from the source document, in inches. |

Discussion

KeyView attempts to determine appropriate page dimensions from a file before resorting to using `pageWidthInches` and `pageHeightInches`. KeyView could use, for example, the height of slides in a presentation format file or the right-most column filled in a spreadsheet.

Unless both `pageWidthInches` and `pageHeightInches` are specified, they must both be equal to zero.

US letter dimensions are used when no dimensions can be obtained from a document and `pageWidthInches` and `pageHeightInches` are not set.

Examples

In this example, an options structure is filled with a password (`pszPassword` here). You might use this option in a call to [fpConvertFileToFile\(\)](#) to open a password protected document.

```
KVPDFOptions getPDFOptionsStructContainingPassword(const char* const pszPassword)
{
    KVPDFOptions sOptions = {0};
    KVStructInit(&sOptions);
    // Copy ensuring the password is always null-terminated.
    strncpy(sOptions.pszSourceFilePassword, pszPassword, MAX_PASSWORD_LEN - 1);
}
```

```
    return sOptions;  
}
```

The following example shows a function that sets the default page width and height in a `KVPDFOptions` structure. `KeyView` uses these values when it cannot determine appropriate page dimensions from the input file.

```
void setPageWidthAndHeight(  
    KVPDFOptions* const optionsStructToDecorate,  
    const double pageWidthInInches,  
    const double pageHeightInInches)  
{  
    optionsStructToDecorate->pageWidthInches = pageWidthInInches;  
    optionsStructToDecorate->pageHeightInches = pageHeightInInches;  
}
```

Chapter 6: Enumerated Types

This section provides information on some of the enumerated types used by the PDF Export API.

- [Introduction](#) 35
- [KVErrCode](#) 36
- [KVErrCodeEx](#) 38
- [KVCharSet](#) 41
- [ENDocAttributes](#) 41
- [ENdocFmt](#) 42

Introduction

The enumerated types are in `adinfo.h`, `kvcharset.h`, `kverrorcodes.h`, `kvtypes.h`, `kv.h`, and `kvxtract.h`. These header files are in the `include` directory. The first entry in an enumerated type structure should be set to zero (0). Each subsequent entry is increased by 1. For example, the first five entries of `KVCharSet` in `kvcharset.h` are:

```
KVCS_UNKNOWN  
KVCS_SJIS  
KVCS_GB  
KVCS_BIG5  
KVCS_KSC
```

They would be set in the following way:

| Enumerated Type | Setting |
|---------------------------|---------|
| <code>KVCS_UNKNOWN</code> | 0 |
| <code>KVCS_SJIS</code> | 1 |
| <code>KVCS_GB</code> | 2 |
| <code>KVCS_BIG5</code> | 3 |
| <code>KVCS_KSC</code> | 4 |

You can also set many enumerated types by entering the appropriate symbolic constant, or `TRUE` or `FALSE`.

Programming Guidelines

When KeyView is enhanced in future releases, some enumerated types might be expanded. For example, new format IDs might be added to the `ENdocFmt` enumerated type, or new error codes might

be added to the `KVErrorCodeEx` enumerated type. When you use these expandable types, your code should ensure binary compatibility with future releases.

For example, if you use an array to access error messages based on an error code, your code should check that the error code is less than `KVError_Last` before accessing the data. This ensures that new error codes are detected when you add KeyView binary files from new releases to your existing installation.

The following enumerated types are expandable:

`KVErrorCodeEx`

`KVMetadataType`

`KVCharSet`

`KVLanguageID`

`KVSubfileType`

`ENdocFmt`

KVErrorCode

This enumerated type defines the type of error generated if Export fails. This enumerated type is defined in `kverrorcodes.h`.

Definition

```
typedef enum tag_KVErrorCode
{
  KVERR_Success,                /* 0  Success*/
  KVERR_DLLNotFound,           /* 1  DLL or shared library not found*/
  KVERR_OutOfCore,             /* 2  memory allocation failure*/
  KVERR_processCancelled,      /* 3  fpContinue() returns FALSE*/
  KVERR_badInputStream,        /* 4  Invalid/corrupt input stream*/
  KVERR_badOutputType,        /* 5  Invalid output type requested*/
  KVERR_General,               /* 6  General error.... */
  KVERR_FormatNotSupported,    /* 7  Format not supported*/
  KVERR_PasswordProtected,     /* 8  File is Password Protected*/
  KVERR_ADSNotFound,           /* 9  Adobe Document Server not found*/
  KVERR_AutoDetFail,           /* 10 Autodetect error*/
  KVERR_AutoDetNoFormat,       /* 11 Unable to detect file format*/
  KVERR_ReaderInitError,       /* 12 Error initializing the reader*/
  KVERR_NoReader,              /* 13 No reader available for this format*/
  KVERR_CreateOutputFileFailed, /* 14 Unable to create output file*/
  KVERR_CreateTempFileFailed,  /* 15 Unable to create temp file*/
  KVERR_ErrorWritingToOutputFile, /* 16 Error writing to output file*/
  KVERR_CreateProcessFailed,    /* 17 Error creating a child process*/
  KVERR_WaitForChildFailed,     /* 18 Wait for child process failed*/
  KVERR_ChildTimeOut,          /* 19 Child process hung / timed out*/
  KVERR_ArchiveFileNotFound,    /* 20 Attempt to extract nonexistent file*/
}
```

```
KVERR_ArchiveFatalError    /* 21 Fatal error processing archive - should abort*/
}
KErrorCode;
```

Enumerators

| | |
|--------------------------------|---|
| KVERR_SUCCESS | The function completed successfully. |
| KVERR_DLLNotFound | A DLL or shared library was not found. |
| KVERR_OutOfCore | Memory allocation failure. |
| KVERR_processCancelled | The callback function fpContinue() returns FALSE. |
| KVERR_badInputStream | Invalid or corrupt input stream. |
| KVERR_badOutputType | Invalid output is requested. |
| KVERR_General | General error. |
| KVERR_FormatNotSupported | The file format is not supported. |
| KVERR_PasswordProtected | The file is encrypted or password-protected. KeyView supports only secure PST files. |
| KVERR_ADSNotFound | Adobe Document Server not found. This error is obsolete. |
| KVERR_AutoDetFail | Autodetect error. |
| KVERR_AutoDetNoFormat | Unable to detect file format. |
| KVERR_ReaderInitError | Error initializing the reader. |
| KVERR_NoReader | No reader is available for this format. |
| KVERR_CreateOutputFileFailed | Unable to create output file. This error is generated if the overwrite flag in KVExtractSubFileArg is FALSE, and a subfile has the same name as a file in the target path. |
| KVERR_CreateTempFileFailed | Unable to create temporary file. |
| KVERR_ErrorWritingToOutputFile | There was an error writing to the output file. |
| KVERR_CreateProcessFailed | There was an error creating a child process. |
| KVERR_WaitForChildFailed | The wait for child process failed. |
| KVERR_ChildTimeOut | The child process hung or timed out. |
| KVERR_ | Attempt to extract nonexistent file. |

| | |
|-------------------------|--|
| KVERR_ArchiveFatalError | A fatal error occurred processing an archive file. |
|-------------------------|--|

KVErrorCodeEx

This enumerated type defines extended error codes. The type is defined in `kverrorcodes.h`.

Definition

```
typedef enum tag_KVErrorCodeEx
{
KVError_OpenStreamFailure = KVERR_ArchiveFatalError + 1, /* 22 KVOpen stream
failure */
KVError_InterfaceFunctionNotFound, /* 23 Interface function not found */
KVError_InputFileNotFound, /* 24 Cannot find input file*/
KVError_OpenOutputFileFailed, /* 25 Cannot open output file*/
KVError_MemoryLeak, /* 26 Memory leak*/
KVError_MemoryOverwrite, /* 27 Memory overwrite*/
KVError_GPF, /* 28 Exception during oop filtering*/
KVError_OopCore, /* 29 Core dump in child process*/
KVError_KVoopLogFailed, /* 30 Creation of oop error log failed*/
KVError_OverNestedFileLimit, /* 31 File exceeds nested file limit*/
KVError_PSTAccessFailed, /* 32 Access failed on PST files*/
KVError_PasswordRequired, /* 33 Password required to access file*/
KVError_InvalidArgs /* 34 Input argument/structure is invalid*/
KVError_ReaderUsageDenied, /* 35 Reader requires a valid license*/
KVError_OopBadConfig, /* 36 Config buffer data was incomplete*/
KVError_OopBrokenPipe, /* 37 Read/write to/from pipe failed*/
KVError_OopPipeOEF, /* 38 Pipe was closed prior to read/write*/
KVError_IPCTimeOut, /* 39 Pipe/socket timed out on poll/select*/
KVError_InvalidOopDriverSignature, /* 40 Client sent request to OOP server but
context driver does not exist on the server*/
KVError_InvalidOopServiceSignature, /* 41 Client sent request to OOP service that
does not exist*/
KVError_ZeroFile, /* 42 Input file is empty or zero bytes */
KVError_CompressionNotSupported /* 43 File or subfile is compressed with
unsupported method *//KVError_NoTemplates /* 44 No templates found (nsfsr) */
KVError_NoMainTemplate /* 45 No main template found (nsfsr) */
KVError_InvalidTemplate /* 46 Invalid template (nsfsr) */
KVError_TemplateError /* 47 Template error (nsfsr) */
KVError_IsADirectory /* 48 A directory exists at the given pathname */
KVError_RMSDecryptionFailed, /* 49 Decryption of an RMS protected file failed */
KVError_Last /* 50 */
}
KVErrorCodeEx;
```

Enumerators

| | |
|---|--|
| <code>KVError_OpenStreamFailure = KVERR_ArchiveFatalError +1</code> | Failed to open a stream during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_InterfaceFunctionNotFound</code> | An interface function was not found during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_InputFileNotFound</code> | Could not find the input file during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_OpenOutputFileFailed</code> | Could not open the output file during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_MemoryLeak</code> | A memory leak occurred during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_MemoryOverwrite</code> | A memory overwrite occurred during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_GPF</code> | An exception occurred during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_OopCore</code> | A memory dump was generated in a child process during out-of-process filtering. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_KVoopLogFailed</code> | The creation of the out-of-process error log failed. This is an extended error for the <code>KVERR_General</code> code. This enumerator is used by KeyView Filter. |
| <code>KVError_OverNestedFileLimit</code> | The container file has more than the allowable number of child documents. One or more child documents were not converted. Currently, this enumerator is not used. |
| <code>KVError_PSTAccessFailed</code> | The PST file could not be converted. This error might be returned when a call to <code>fpOpenFile()</code> returns <code>NULL</code> for one of the following reasons: <ul style="list-style-type: none"> • A Microsoft Outlook client is not installed. • A Microsoft Outlook client is installed, but is not the default email client. |

| | |
|------------------------------------|--|
| | <ul style="list-style-type: none"> • A Microsoft Outlook client is installed, but is not configured correctly. • The PST file is corrupt. • The PST file is read-only (PST files must allow read and write access). • The MAPI call fails. • The bit editions of Microsoft Outlook do not match the bit editions of the KeyView software. <p>For example, if 32-bit KeyView is used, 32-bit Outlook must be installed. If 64-bit KeyView is used, 64-bit Outlook must be installed.</p> |
| KVError_PasswordRequired | To open the file, you must provide credentials. This error might be returned when a call to <code>fpOpenFile()</code> returns NULL. |
| KVError_InvalidArgs | The input argument or structure is invalid. This error is generated by the File Extraction APIs. |
| KVError_ReaderUsageDenied | <p>The current license key does not enable the document reader required to convert the file. This error might be returned when a call to <code>fpOpenFile()</code> returns NULL.</p> <p>Some document readers are considered advanced features and are licensed separately from the KeyView SDK (for example, the PST and MBX readers). Contact your Micro Focus sales representative to get an updated license key.</p> |
| KVError_OopBadConfig | Information in the <code>kvxconfig.ini</code> file is incomplete and cannot be used to the XML file. This is used by KeyView Filter. |
| KVError_OopBrokenPipe | Data was not transferred between the parent and child processes during out-of-process filtering because either the parent or child failed. This is used by KeyView Filter. |
| KVError_OopPipeOEF | Data was not transferred between the parent and child processes during out-of-process filtering because the parent process was shut down. This is used by KeyView Filter. |
| KVError_IPCTimeOut | Either the parent or child process is waiting for a reply or request during out-of-process filtering. This is used by KeyView Filter. |
| KVError_InvalidOopDriverSignature | A client sent a request to an out-of-process server, but the context driver does not exist on the server. This is used by KeyView Filter. |
| KVError_InvalidOopServiceSignature | <p>A client sent a request to a File Extraction service that does not exist.</p> <p>If this error is generated on the call to <code>fpClose()</code>, you can ignore it. This is used by KeyView Filter.</p> |

| | |
|---------------------------------|---|
| KVError_ZeroFile | The input file is empty or zero bytes. |
| KVError_CompressionNotSupported | The file or subfile is compressed with an unsupported compression method. |
| KVError_NoTemplates | |
| KVError_NoMainTemplate | |
| KVError_InvalidTemplate | |
| KVError_TemplateError | |
| KVError_IsADirectory | |
| KVError_RMSDecryptionFailed | KeyView was not able to access the protected contents of an RMS file. |
| KVError_Last | |

Discussion

- When error reporting is enhanced in future releases, new error messages might be added to this enumerator type. When you use this type, your code must ensure binary compatibility with future releases. See [Programming Guidelines, on page 35](#).
- If an extended error code is called for a format to which the error does not apply, the KVError_Last code is returned.

KVCharSet

This enumerated type defines the character sets that KeyView can handle. See [Coded Character Sets, on page 156](#).

ENDocAttributes

This enumerated type provides additional information about a file during auto-detection. This enumerated type is defined in `adinfo.h`.

NOTE: The attributes in this enumerated type are set when a particular characteristic is detected. However, if the attribute is not set it does not necessarily mean that the characteristic is not present. For example, KeyView sets `kEncrypted` when it detects encryption on the file, but if it does not detect encryption it does not necessarily mean the file is not encrypted.

Enumerators

`kEncrypted` The file is encrypted.

| | |
|----------------------------------|---|
| <code>kWindowRMSEncrypted</code> | The file is encrypted with Windows RMS encryption. |
| <code>kBigEndian</code> | Where a format has big and little endian variants, this value indicates that this file is in the big endian variant. |
| <code>kLittleEndian</code> | Where a format has big and little endian variants, this value indicates that this file is in the little endian variant. |
| <code>k32Bit</code> | Where a format has 64- and 32-bit variants, this value indicates that this file is in the 32-bit variant. |
| <code>k64Bit</code> | Where a format has 64- and 32-bit variants, this value indicates that this file is in the 64-bit variant. |

ENdocFmt

This enumerated type defines the document formats that KeyView can detect. See [Supported Formats, on page 44](#).

Part 4: Appendixes

This section lists supported formats, supported character sets and redistributed files, and provides information on format detection.

- [Supported Formats](#)
- [Document Readers](#)
- [Character Sets](#)
- [File Format Detection](#)
- [Files Required for Redistribution](#)
- [Password Protected Files](#)

Appendix A: Supported Formats

This section lists the file formats that KeyView can detect.

- [Key to Supported Formats Table](#) 44
- [Supported Formats](#) 46

Key to Supported Formats Table

The supported formats table includes the following information:

| Column | Description |
|-------------|--|
| Format Name | The format name that is returned by KeyView format detection. <ul style="list-style-type: none">• In the C API, these values are defined in the <code>ENdocFmt</code> enumeration in <code>adDocFmt.h</code>.• In the .NET API these values are defined in the <code>Autonomy.API.Export.DocFormat</code> enumeration.• In the Java API these values are defined in the <code>com.verity.api.DocFormat</code> enumeration. |
| Number | The format number that is returned by KeyView format detection. This is the value associated with the Format Name in the relevant enumeration. |
| Category | This value is used in the KeyView configuration file <code>formats.ini</code> to specify the reader to use to filter, export, or view the format. Several formats might have the same category value. |
| Description | A short description of the file format. |
| MIME Type | The MIME type (if any). |
| Extension | A list of common file extensions for the file format. NOTE: This is not a complete list of file extensions. KeyView does not distinguish between file types based on their extension. Instead, it detects the file format based on the file content. This is more reliable because content cannot always be predicted from the file extension, and because some file extensions are associated with multiple formats. |
| File Class | The KeyView file class. <ul style="list-style-type: none">• In the C API, these values are defined in the <code>ENdocClass</code> enumeration in <code>adinfo.h</code>.• In the .NET API these values are defined in the |

| | |
|--|--|
| | <p>Autonomy.API.Export.DocClass enumeration.</p> <ul style="list-style-type: none">• In the Java API these values are defined in the <code>com.verity.api.DocClass</code> enumeration. |
|--|--|

Supported Formats

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------|--------|----------|---|-----------------------|-----------|-----------------|--|
| Reserved__Fmt | -1 | -1 | | | | AutoDetNoFormat | |
| Unknown__Fmt | 0 | 0 | | | | AutoDetNoFormat | |
| AES_Multiplus_Comm_Fmt | 1 | 1 | Multiplus (AES) | | PTF | adWORDPROCESSOR | |
| ASCII_Text_Fmt | 2 | 2 | Plain Text file | text/plain | TXT | adWORDPROCESSOR | afsr |
| MSDOS_Batch_File_Fmt | 3 | 2 | MS-DOS Batch File | application/x-bat | BAT | adEXECUTABLE | afsr |
| Applix_Alis_Fmt | 4 | 3 | Applix Asterix | | AX | adWORDPROCESSOR | axsr |
| BMP_Fmt | 5 | 4 | Windows Bitmap Image (BMP) | image/bmp | BMP | adRASTERIMAGE | bmpr , kpbmprdr |
| CT_DEF_Fmt | 6 | 5 | Convergent Technologies DEF Comm. Format | | | adWORDPROCESSOR | cdsr |
| Corel_Draw_Fmt | 7 | 6 | Corel Draw (up to version 13/X3) | application/coreldraw | CDR | adVECTORGRAPHIC | kpcdrdr |
| CGM_ClearText_Fmt | 8 | 8 | Computer Graphics Metafile (CGM) | | CGM | adVECTORGRAPHIC | kpcgmrdr |
| CGM_Binary_Fmt | 9 | 8 | Computer Graphics Metafile (CGM) | image/cgm | CGM | adVECTORGRAPHIC | kpcgmrdr |
| CGM_Character_Fmt | 10 | 8 | Computer Graphics Metafile (CGM) | | CGM | adVECTORGRAPHIC | kpcgmrdr |
| Word_Connection_Fmt | 11 | 9 | Word Connection | | CN | adWORDPROCESSOR | stringssr |
| COMET_TOP_Word_Fmt | 12 | 10 | Nixdorf COMET TOP Financial Accounting software | | | adWORDPROCESSOR | |
| CEOwrite_Fmt | 13 | 11 | CEOwrite | | CW | adWORDPROCESSOR | stringssr |
| DSA101_Fmt | 14 | 12 | DSA101 (Honeywell Bull) | | | adWORDPROCESSOR | stringssr |
| DCA_RFT_Fmt | 15 | 13 | DCA-RFT (IBM Revisable Form) | application/dca-rft | RFT, DC | adWORDPROCESSOR | dcasr |
| CDA_DDIF_Fmt | 16 | 14 | CDA / DDIF | | DDIF | adWORDPROCESSOR | |
| DG_CDS_Fmt | 17 | 16 | DG Common Data Stream | | CDS | adWORDPROCESSOR | stringssr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|--------------------------|--------|----------|--------------------------------------|----------------------------|--------------|-----------------|---|
| | | | (CDS) | | | | |
| Micrografx_Draw_Fmt | 18 | 18 | Windows Draw (Micrografx) | | DRW | adVECTORGRAPHIC | |
| Data_Point_VistaWord_Fmt | 19 | 19 | Vistaword | | DV | adWORDPROCESSOR | stringssr |
| DECdx_Fmt | 20 | 20 | DEC WPS Plus DX format | | DX | adWORDPROCESSOR | |
| Enable_WP_Fmt | 21 | 21 | Enable Word Processing | | WPF | adWORDPROCESSOR | stringssr |
| EPSF_Fmt | 22 | 22 | Encapsulated PostScript | application/postscript | EPS | AutoDetNoFormat | kpepsrdr |
| Preview_EPSF_Fmt | 23 | 22 | Encapsulated PostScript | application/postscript | | AutoDetNoFormat | kpepsrdr |
| MS_Executable_Fmt | 24 | 23 | MSDOS/Windows Program | application/x-msdownload | EXE | adEXECUTABLE | exesr |
| G31D_Fmt | 25 | 24 | CCITT G3 1D | | | adRASTERIMAGE | |
| GIF_87a_Fmt | 26 | 25 | Graphics Interchange Format (GIF87a) | image/gif | GIF | adRASTERIMAGE | gifsr , kpgifdr |
| GIF_89a_Fmt | 27 | 25 | Graphics Interchange Format (GIF89a) | image/gif | GIF | adRASTERIMAGE | gifsr , kpgifdr |
| HP_Word_PC_Fmt | 28 | 26 | HP Word PC | | HW | adWORDPROCESSOR | stringssr |
| IBM_1403_LinePrinter_Fmt | 29 | 27 | IBM 1403 Line Printer | | I4 | adWORDPROCESSOR | |
| IBM_DCF_Script_Fmt | 30 | 28 | DCF Script | | IC | adWORDPROCESSOR | stringssr |
| IBM_DCA_FFT_Fmt | 31 | 29 | DCA-FFT (IBM Final Form) | | IF, FFT | adWORDPROCESSOR | |
| Interleaf_Fmt | 32 | 30 | Interleaf | | | adWORDPROCESSOR | |
| GEM_Image_Fmt | 33 | 31 | GEM Bit Image | | IMG | adRASTERIMAGE | |
| IBM_Display_Write_Fmt | 34 | 32 | Display Write | | IP | adWORDPROCESSOR | dw4sr |
| Sun_Raster_Fmt | 35 | 33 | Sun Raster | image/x-cmu-raster | RAS, RS, SUN | adRASTERIMAGE | kpsunrdr |
| Ami_Pro_Fmt | 36 | 35 | Lotus Ami Pro | application/x-lotus-amipro | SAM | adWORDPROCESSOR | lasr |
| Ami_Pro_StyleSheet_Fmt | 37 | 35 | Lotus Ami Pro Style Sheet | | | adWORDPROCESSOR | lasr |
| MORE_Fmt | 38 | 36 | MORE Database MAC | | | adOUTLINE | |
| Lyrix_Fmt | 39 | 37 | Lyrix Word Processing | | | adWORDPROCESSOR | stringssr |
| MASS_11_Fmt | 40 | 38 | MASS-11 | | M1 | adWORDPROCESSOR | stringssr |
| MacPaint_Fmt | 41 | 39 | MacPaint | | PNTG | adRASTERIMAGE | kpmacrdr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|-------------------------|-----------|-----------------|---------------------------|
| MS_Word_Mac_Fmt | 42 | 40 | Microsoft Word for Macintosh (up to version 3) | application/msword | DOC | adWORDPROCESSOR | mbsr |
| SmartWare_II_Comm_Fmt | 43 | 41 | SmartWare II | | | adCOMMUNICATION | |
| MS_Word_Win_Fmt | 44 | 42 | Microsoft Word for Windows (up to version 6) | application/msword | DOC, WPS | adWORDPROCESSOR | misr |
| Multimate_Fmt | 45 | 43 | MultiMate | | MM | adWORDPROCESSOR | stringssr |
| Multimate_Fnote_Fmt | 46 | 43 | MultiMate Footnote File | | MMFN | adWORDPROCESSOR | stringssr |
| Multimate_Adv_Fmt | 47 | 43 | MultiMate Advantage | | | adWORDPROCESSOR | stringssr |
| Multimate_Adv_Fnote_Fmt | 48 | 43 | MultiMate Advantage Footnote File | | | adWORDPROCESSOR | stringssr |
| Multimate_Adv_II_Fmt | 49 | 43 | MultiMate Advantage II | | | adWORDPROCESSOR | stringssr |
| Multimate_Adv_II_Fnote_Fmt | 50 | 43 | MultiMate Advantage II Footnote File | | FBX, FNX | adWORDPROCESSOR | stringssr |
| Multiplan_PC_Fmt | 51 | 44 | Multiplan (PC) | | | adSPREADSHEET | |
| Multiplan_Mac_Fmt | 52 | 44 | Multiplan (Mac) | | | adSPREADSHEET | |
| MS_RTF_Fmt | 53 | 45 | Rich Text Format (RTF) | application/rtf | RTF | adWORDPROCESSOR | rtfsr |
| MS_Word_PC_Fmt | 54 | 46 | Microsoft Word for PC (up to version 6) | application/x-ms-wordpc | MW | adWORDPROCESSOR | mwsr |
| MS_Word_PC_StyleSheet_Fmt | 55 | 46 | Microsoft Word for PC (up to version 6) Style Sheet | | | adWORDPROCESSOR | mwsr |
| MS_Word_PC_Glossary_Fmt | 56 | 46 | Microsoft Word for PC (up to version 6) Glossary | | | adWORDPROCESSOR | mwsr |
| MS_Word_PC_Driver_Fmt | 57 | 46 | Microsoft Word for PC (up to version 6) Driver | | | adWORDPROCESSOR | mwsr |
| MS_Word_PC_Misc_Fmt | 58 | 46 | Microsoft Word for PC (up to version 6) Miscellaneous File | | | adWORDPROCESSOR | mwsr |
| NBI_Async_Archive_Fmt | 59 | 47 | NBI Async Archive Format | | | adWORDPROCESSOR | |
| Navy_DIF_Fmt | 60 | 48 | Navy DIF (document interchange format) | | ND | adWORDPROCESSOR | stringssr |
| NBI_Net_Archive_Fmt | 61 | 49 | NBI OASys Net Archive Format | | NN | adWORDPROCESSOR | nnsr |
| NIOS_TOP_Fmt | 62 | 50 | NIOS TOP | | | adWORDPROCESSOR | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--------------------------------------|------------------------|-----------|-----------------|---|
| FileMaker_Mac_Fmt | 63 | 51 | Filemaker MAC | | FP5, FP7 | adDATABASE | |
| ODA_Q1_11_Fmt | 64 | 52 | ODA / ODIF Q1 11 | | OD | adWORDPROCESSOR | stringssr |
| ODA_Q1_12_Fmt | 65 | 52 | ODA / ODIF Q1 12 | | OD | adWORDPROCESSOR | stringssr |
| OLIDIF_Fmt | 66 | 53 | OLIDIF (Olivetti) | | | adWORDPROCESSOR | |
| Office_Writer_Fmt | 67 | 55 | Office Writer | | OW | adWORDPROCESSOR | stringssr |
| PC_Paintbrush_Fmt | 68 | 56 | PC Paintbrush Graphics (PCX) | image/vnd.zbrush.pcx | PCX | adRASTERIMAGE | kppcxrdr |
| CPT_Comm_Fmt | 69 | 57 | CPT Corporation word processor | | PF | adWORDPROCESSOR | stringssr |
| Lotus_PIC_Fmt | 70 | 58 | Lotus PIC | image/x-pict | PIC | adVECTORGRAPHIC | kppicrdr |
| Mac_PICT_Fmt | 71 | 59 | QuickDraw Picture | image/x-pict | PCT | AutoDetNoFormat | kppctrdr |
| Philips_Script_Word_Fmt | 72 | 60 | Philips Script | | | adWORDPROCESSOR | |
| PostScript_Fmt | 73 | 61 | PostScript | application/postscript | PS | adVECTORGRAPHIC | |
| PRIMEWORD_Fmt | 74 | 62 | PRIMEWORD | | | adWORDPROCESSOR | pwsr |
| Quadratron_Q_One_v1_Fmt | 75 | 63 | Q-One V1.93J | | Q1, QX | adWORDPROCESSOR | stringssr |
| Quadratron_Q_One_v2_Fmt | 76 | 64 | Q-One V2.0 | | Q1, QX | adWORDPROCESSOR | stringssr |
| SAMNA_Word_IV_Fmt | 77 | 65 | SAMNA Word | | SAM | adWORDPROCESSOR | stringssr |
| Ami_Pro_Draw_Fmt | 78 | 66 | Lotus Ami Pro Draw | | SDW | adVECTORGRAPHIC | kpsdwrdr |
| SYLK_Spreadsheet_Fmt | 79 | 67 | SYmbolic Link (SYLK) format | | SLK | adSPREADSHEET | |
| SmartWare_II_WP_Fmt | 80 | 68 | Informix SmartWare II word processor | | DOC, SMT | adWORDPROCESSOR | swsr |
| Symphony_Fmt | 81 | 69 | Lotus Symphony spreadsheet | | WR1 | adSPREADSHEET | |
| Targa_Fmt | 82 | 70 | Targa image | image/x-tga | TGA | adRASTERIMAGE | kpTGArdr |
| TIFF_Fmt | 83 | 71 | Tag Image File Format (TIFF) | image/tiff | TIF, TIFF | adRASTERIMAGE | kptifdr , tifsr |
| Targon_Word_Fmt | 84 | 72 | Targon Word | | TW | adWORDPROCESSOR | stringssr |
| Uniplex_Ucalc_Fmt | 85 | 73 | Uniplex Ucalc | | SS | adSPREADSHEET | |
| Uniplex_WP_Fmt | 86 | 74 | Uniplex word processor | | UP | adWORDPROCESSOR | stringssr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|---|---------------------------------|------------|-----------------|---|
| MS_Word_UNIX_Fmt | 87 | 75 | Microsoft Word UNIX | application/msword | | adWORDPROCESSOR | |
| WANG_PC_Fmt | 88 | 76 | WANG PC | | | adWORDPROCESSOR | |
| WordERA_Fmt | 89 | 77 | WordERA | | DC, GL, FR | adWORDPROCESSOR | stringssr |
| WANG_WPS_Comm_Fmt | 90 | 78 | WANG WPS | | WF | adWORDPROCESSOR | stringssr |
| WordPerfect_Mac_Fmt | 91 | 79 | WordPerfect MAC | application/x-corel-wordperfect | | adWORDPROCESSOR | wpmsr |
| WordPerfect_Fmt | 92 | 86 | WordPerfect version 4 | application/x-corel-wordperfect | WP, WP4 | adWORDPROCESSOR | stringssr |
| WordPerfect_VAX_Fmt | 93 | 139 | WordPerfect VAX | application/x-corel-wordperfect | | adWORDPROCESSOR | |
| WordPerfect_Macro_Fmt | 94 | 139 | WordPerfect Macro | application/vnd.wordperfect | MRS | adWORDPROCESSOR | |
| WordPerfect_Dictionary_Fmt | 95 | 139 | WordPerfect Spelling Dictionary | application/vnd.wordperfect | SPW | adWORDPROCESSOR | |
| WordPerfect_Thesaurus_Fmt | 96 | 139 | WordPerfect Thesaurus | application/vnd.wordperfect | | adWORDPROCESSOR | |
| WordPerfect_Resource_Fmt | 97 | 139 | WordPerfect Resource File | application/vnd.wordperfect | WWK, PRS | adWORDPROCESSOR | |
| WordPerfect_Driver_Fmt | 98 | 139 | WordPerfect Driver | application/vnd.wordperfect | IRS, VRS | adWORDPROCESSOR | |
| WordPerfect_Cfg_Fmt | 99 | 139 | WordPerfect Configuration File | application/vnd.wordperfect | PFX | adWORDPROCESSOR | |
| WordPerfect_Hyphenation_Fmt | 100 | 139 | WordPerfect Hyphenation Dictionary | application/vnd.wordperfect | HYC | adWORDPROCESSOR | |
| WordPerfect_Misc_Fmt | 101 | 139 | WordPerfect Miscellaneous File | application/vnd.wordperfect | | adWORDPROCESSOR | |
| WordMARC_Fmt | 102 | 82 | WordMARC Composer | video/x-ms-wm | WM, PW | adWORDPROCESSOR | stringssr |
| Windows_Metatile_Fmt | 103 | 83 | Windows Metatile | image/wmf | WMF | adVECTORGRAPHIC | kpwmfrdr |
| Windows_Metatile_NoHdr_Fmt | 104 | 83 | Windows Metatile (no header) | image/wmf | WMF | adVECTORGRAPHIC | kpwmfrdr |
| SmartWare_II_DB_Fmt | 105 | 84 | Informix SmartWare II database | | | adDATABASE | |
| WordPerfect_Graphics_Fmt | 106 | 195 | WordPerfect Graphics (version 2 and higher) | application/vnd.wordperfect | WPG, QPG | AutoDetNoFormat | kpwg2rdr , kpwpgdrdr |
| WordStar_Fmt | 107 | 87 | WordStar | | WS, WSD | adWORDPROCESSOR | stringssr |
| WANG_WITA_Fmt | 108 | 88 | WANG WITA | | WT | adWORDPROCESSOR | stringssr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------|--------|----------|--|------------------------------------|-----------|-----------------|---------------------------|
| Xerox_860_Comm_Fmt | 109 | 89 | Xerox 860 | | | adWORDPROCESSOR | stringssr |
| Xerox_Writer_Fmt | 110 | 91 | Xerox Writer | | | adWORDPROCESSOR | stringssr |
| DIF_SpreadSheet_Fmt | 111 | 92 | Data Interchange Format (DIF) | application/dif+xml | DIF | adSPREADSHEET | difsr |
| Enable_Spreadsheet_Fmt | 112 | 93 | Enable Spreadsheet | application/vnd.epson.ssf | SSF | adSPREADSHEET | |
| SuperCalc_Fmt | 113 | 94 | Sorcim SuperCalc spreadsheet | | CAL | adSPREADSHEET | |
| UltraCalc_Fmt | 114 | 95 | UltraCalc spreadsheet | | | adSPREADSHEET | |
| SmartWare_II_SS_Fmt | 115 | 96 | Informix SmartWare II spreadsheet | | | adSPREADSHEET | |
| SOF_Encapsulation_Fmt | 116 | 97 | Serialized Object Format (SOF) | application/java-serialized-object | SOF | adENCAPSULATION | |
| PowerPoint_Win_Fmt | 117 | 98 | Microsoft PowerPoint PC (up to version 4) | application/x-ms-powerpoint | PPT | adPRESENTATION | kpp40rdr |
| PowerPoint_Mac_Fmt | 118 | 99 | Microsoft PowerPoint MAC (up to version 4) | application/x-ms-powerpoint | PPT | adPRESENTATION | |
| PowerPoint_95_Fmt | 119 | 212 | Microsoft PowerPoint 95 | application/x-ms-powerpoint | PPT | adPRESENTATION | kpp95rdr |
| PowerPoint_97_Fmt | 120 | 272 | Microsoft PowerPoint 97 | application/x-ms-powerpoint | PPT | adPRESENTATION | kpp97rdr |
| PageMaker_Mac_Fmt | 121 | 100 | PageMaker for Macintosh | | | adDESKTOPPUBLSH | |
| PageMaker_Win_Fmt | 122 | 101 | PageMaker for Windows | | | adDESKTOPPUBLSH | |
| MS_Works_Mac_WP_Fmt | 123 | 103 | Microsoft Works Word Processor for MAC | application/x-msworks | MWK | adWORDPROCESSOR | stringssr |
| MS_Works_Mac_DB_Fmt | 124 | 104 | Microsoft Works Database for MAC | application/x-msworks | | adDATABASE | |
| MS_Works_Mac_SS_Fmt | 125 | 105 | Microsoft Works Spreadsheet for MAC | application/x-msworks | | adSPREADSHEET | mwssr |
| MS_Works_Mac_Comm_Fmt | 126 | 106 | Microsoft Works Communication for MAC | application/x-msworks | | adCOMMUNICATION | |
| MS_Works_DOS_WP_Fmt | 127 | 107 | Microsoft Works Word Processor for DOS | application/x-msworks | WPS | adWORDPROCESSOR | stringssr |
| MS_Works_DOS_DB_Fmt | 128 | 108 | Microsoft Works Database for DOS | application/x-msworks | WDB | adDATABASE | |
| MS_Works_DOS_SS_Fmt | 129 | 109 | Microsoft Works | application/x-msworks | | adSPREADSHEET | mwssr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|--|----------------------------|---------------|-----------------|--|
| Fmt | | | Spreadsheet for DOS | | | | |
| MS_Works_Win_WP_Fmt | 130 | 227 | Microsoft Works Word Processor for Windows | application/x-msworks | WPS, W40 | adWORDPROCESSOR | msw6sr , mswsr |
| MS_Works_Win_DB_Fmt | 131 | 231 | Microsoft Works Database for Windows | application/x-msworks | | adDATABASE | |
| MS_Works_Win_SS_Fmt | 132 | 228 | Microsoft Works Spreadsheet for Windows | application/x-msworks | WKS, S30, S40 | adSPREADSHEET | mwssr |
| PC_Library_Fmt | 133 | 111 | DOS/Windows Object Library | application/x-archive | LIB, A | adLIBRARY | |
| MacWrite_Fmt | 134 | 112 | MacWrite | application/macwriteii | | adWORDPROCESSOR | stringssr |
| MacWrite_II_Fmt | 135 | 113 | MacWrite II | application/macwriteii | | adWORDPROCESSOR | stringssr |
| Freehand_Fmt | 136 | 114 | Freehand MAC | image/x-freehand | | adVECTORGRAPHIC | |
| Disk_Doubler_Fmt | 137 | 115 | Disk Doubler | | | adENCAPSULATION | |
| HP_GL_Fmt | 138 | 116 | HP Graphics Language | vector/x-hpgl | HPGL, HPG | adVECTORGRAPHIC | |
| FrameMaker_Fmt | 139 | 136 | FrameMaker | application/vnd.frameMaker | FM, FRM | adDESKTOPPUBLSH | |
| FrameMaker_Book_Fmt | 140 | 136 | FrameMaker Book | application/vnd.frameMaker | BOOK | adDESKTOPPUBLSH | |
| Maker_Markup_Language_Fmt | 141 | 174 | Maker Markup Language | application/vnd.mif | | adDESKTOPPUBLSH | |
| Maker_Interchange_Fmt | 142 | 117 | Maker Interchange Format (MIF) | application/x-mif | MIF | adWORDPROCESSOR | mifsr |
| JPEG_File_Interchange_Fmt | 143 | 118 | JPEG Interchange Format | image/jpeg | JPG, JPEG | adRASTERIMAGE | jpgsr , kpjpgdr |
| Reflex_Fmt | 144 | 119 | Borland Reflex database | | | adDATABASE | |
| Framework_Fmt | 145 | 276 | Framework office suite | | | adMIXED | |
| Framework_II_Fmt | 146 | 120 | Framework II office suite | | FW3 | adMIXED | |
| Paradox_Fmt | 147 | 121 | Borland Paradox database | | DB | adDATABASE | |
| MS_Windows_Write_Fmt | 148 | 123 | Microsoft Windows Write | application/x-ms-write | WRI | adWORDPROCESSOR | mwsr |
| Quattro_Pro_DOS_Fmt | 149 | 124 | Quattro Pro for DOS | application/x-quattropro | WQ1 | adSPREADSHEET | |
| Quattro_Pro_Win_Fmt | 150 | 184 | Quattro Pro for Windows | application/x-quattro-win | WB1, WB2, WB3 | adSPREADSHEET | qpssr |
| Persuasion_Fmt | 151 | 126 | Adobe Persuasion | | | adPRESENTATION | |
| Windows_Icon_Fmt | 152 | 128 | Windows Icon Format | image/ico | ICO | adRASTERIMAGE | kpicordr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|---|---------------------------|-----------|-----------------|--|
| Windows_Cursor_Fmt | 153 | 133 | Windows Cursor | image/x-win-bitmap | CUR | adRASTERIMAGE | |
| MS_Project_Activity_Fmt | 154 | 129 | Microsoft Project (up to version 3) activity file | | | adSCHEDULE | |
| MS_Project_Resource_Fmt | 155 | 129 | Microsoft Project (up to version 3) resource file | | | adSCHEDULE | |
| MS_Project_Calc_Fmt | 156 | 129 | Microsoft Project (up to version 3) calc file | | | adSCHEDULE | |
| PKZIP_Fmt | 157 | 132 | ZIP Archive | application/zip | ZIP, ZIPX | adENCAPSULATION | unzip |
| Quark_Xpress_Fmt | 158 | 134 | Quark Xpress MAC | | | adDESKTOPPUBLSH | |
| ARC_PAK_Archive_Fmt | 159 | 135 | PAK/ARC Archive | | ARC, PAK | adENCAPSULATION | |
| MS_Publisher_Fmt | 160 | 137 | Microsoft Publisher (up to version 3) | application/x-mspublisher | PUB | adDESKTOPPUBLSH | mspubsr |
| PlanPerfect_Fmt | 161 | 138 | PlanPerfect | | | adSCHEDULE | |
| WordPerfect_Auxiliary_Fmt | 162 | 139 | WordPerfect auxiliary file | | WPW | adMISC | |
| MS_WAVE_Audio_Fmt | 163 | 141 | Microsoft Wave | audio/wav | WAV | adSOUND | MCI , niffsr |
| MIDI_Audio_Fmt | 164 | 142 | MIDI audio | audio/mid | MID, MIDI | adSOUND | MCI |
| AutoCAD_DXF_Binary_Fmt | 165 | 143 | AutoCAD DXF | image/x-dxf | DXF | adVECTORGRAPHIC | kpDXFrdr , kpODArdr |
| AutoCAD_DXF_Text_Fmt | 166 | 143 | AutoCAD DXF | image/x-dxf | DXF | adVECTORGRAPHIC | kpDXFrdr , kpODArdr |
| dBase_Fmt | 167 | 144 | dBase | application/x-dbf | DBF, VCX | adDATABASE | dbfsr |
| OS_2_PM_Metfile_Fmt | 168 | 145 | OS/2 PM Metfile | | MET | adVECTORGRAPHIC | |
| Lasergraphics_Language_Fmt | 169 | 146 | Lasergraphics Language | | | adVECTORGRAPHIC | |
| AutoShade_Rendering_Fmt | 170 | 147 | AutoShade Rendering | | | adVECTORGRAPHIC | |
| GEM_VDI_Fmt | 171 | 148 | GEM VDI Metfile image | | GEM, GDI | adVECTORGRAPHIC | |
| Windows_Help_Fmt | 172 | 149 | Windows Help File | application/winhelp | HLP | adMISC | |
| Volkswriter_Fmt | 173 | 150 | Volkswriter word processor | | VW4 | adWORDPROCESSOR | stringsr |
| Ability_WP_Fmt | 174 | 151 | Ability Word Processor | | | adWORDPROCESSOR | |
| Ability_DB_Fmt | 175 | 151 | Ability Database | | | adDATABASE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|---|--------------------------|-----------|-----------------|---------------------------|
| Ability_SS_Fmt | 176 | 151 | Ability Spreadsheet | | | adSPREADSHEET | |
| Ability_Comm_Fmt | 177 | 151 | Ability Presentation | | | adCOMMUNICATION | |
| Ability_Image_Fmt | 178 | 151 | Ability Image | | | adRASTERIMAGE | |
| XyWrite_Fmt | 179 | 152 | XYWrite / Nota Bene | | XY4 | adWORDPROCESSOR | xywsr |
| CSV_Fmt | 180 | 153 | CSV (Comma Separated Values) | text/csv | CSV | adSPREADSHEET | csvsr |
| IBM_Writing_Assistant_Fmt | 181 | 154 | IBM Writing Assistant | | IWA | adWORDPROCESSOR | stringssr |
| WordStar_2000_Fmt | 182 | 155 | WordStar 2000 | | WS2 | adWORDPROCESSOR | stringssr |
| HP_PCL_Fmt | 183 | 157 | HP Printer Control Language | application/pcl | PCL | adVECTORGRAPHIC | |
| UNIX_Exe_PreSysV_VAX_Fmt | 184 | 158 | Unix Executable (PDP-11/pre-System V VAX) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_Basic_16_Fmt | 185 | 158 | Unix Executable (Basic-16) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_x86_Fmt | 186 | 158 | Unix Executable (x86) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_iAPX_286_Fmt | 187 | 158 | Unix Executable (iAPX 286) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_MC68k_Fmt | 188 | 158 | Unix Executable (MC680x0) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_3B20_Fmt | 189 | 158 | Unix Executable (3B20) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_WE32000_Fmt | 190 | 158 | Unix Executable (WE32000) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_VAX_Fmt | 191 | 158 | Unix Executable (VAX) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Exe_Bell_5_Fmt | 192 | 158 | Unix Executable (Bell 5.0) | application/octet-stream | | adEXECUTABLE | |
| UNIX_Obj_VAX_Demand_Fmt | 193 | 159 | Unix Object Module (VAX Demand) | | | adOBJECTMODULE | |
| UNIX_Obj_MS8086_Fmt | 194 | 159 | Unix Object Module (old MS 8086) | | | adOBJECTMODULE | |
| UNIX_Obj_Z8000_Fmt | 195 | 159 | Unix Object Module (Z8000) | | | adOBJECTMODULE | |
| AU_Audio_Fmt | 196 | 161 | NeXT/Sun Audio Data | audio/basic | AU, SND | adSOUND | MCI |
| NeWS_Font_Fmt | 197 | 162 | NeWS bitmap font | | | adFONT | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--------------------------------|--------------------------|-----------|-----------------|---------------------------|
| cpio_Archive_CRCChr_Fmt | 198 | 163 | cpio archive (CRC Header) | application/x-cpio | | adENCAPSULATION | |
| cpio_Archive_CHRhdr_Fmt | 199 | 163 | cpio archive (CHR Header) | application/x-cpio | | adENCAPSULATION | |
| PEX_Binary_Archive_Fmt | 200 | 164 | SUN PEX Binary Archive | | | adENCAPSULATION | |
| Sun_vfont_Fmt | 201 | 165 | SUN vfont Definition | | | adFONT | |
| Curses_Screen_Fmt | 202 | 166 | Curses Screen Image | | | adRASTERIMAGE | |
| UUEncoded_Fmt | 203 | 167 | UU encoded | text/x-uencode | UUE | adENCAPSULATION | uudsr |
| WriteNow_Fmt | 204 | 168 | WriteNow MAC | | | adWORDPROCESSOR | stringssr |
| PC_Obj_Fmt | 205 | 169 | DOS/Windows Object Module | application/octet-stream | OBJ | adOBJECTMODULE | |
| Windows_Group_Fmt | 206 | 170 | Windows Group | | | adMISC | |
| TrueType_Font_Fmt | 207 | 171 | TrueType Font | application/x-font-ttf | TTF | adFONT | |
| Windows_PIF_Fmt | 208 | 172 | Program Information File (PIF) | application/octet-stream | PIF | adMISC | |
| MS_COM_Executable_Fmt | 209 | 173 | PC (.COM) | application/octet-stream | COM | adEXECUTABLE | |
| Stuftit_Fmt | 210 | 175 | Stuftit (MAC) | application/x-stuftit | HQX | adENCAPSULATION | |
| PeachCalc_Fmt | 211 | 176 | PeachCalc | | CAL | adSPREADSHEET | |
| Wang_GDL_Fmt | 212 | 177 | WANG Office GDL Header | | | adENCAPSULATION | |
| Q_A_DOS_Fmt | 213 | 179 | Q & A for DOS | | | adWORDPROCESSOR | stringssr |
| Q_A_Win_Fmt | 214 | 180 | Q & A for Windows | | JW | adWORDPROCESSOR | stringssr |
| WPS_PLUS_Fmt | 215 | 181 | WPS-PLUS | application/vnd.ms-wpl | WPL | adWORDPROCESSOR | stringssr |
| DCX_Fmt | 216 | 182 | DCX FAX Format(PCX images) | image/dcx | DCX | adFAXFORMAT | kpdcxrdr |
| OLE_Fmt | 217 | 183 | OLE Compound Document | | OLE | adENCAPSULATION | olesr |
| EBCDIC_Fmt | 218 | 186 | EBCDIC Text | | | adWORDPROCESSOR | |
| DCS_Fmt | 219 | 187 | DCS | | | adWORDPROCESSOR | |
| UNIX_SHAR_Fmt | 220 | 190 | SHAR shell archive format | application/x-shar | SHAR | adENCAPSULATION | |
| Lotus_Notes_BitMap_Fmt | 221 | 191 | Lotus Notes Bitmap | | | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|---|--------------------------|-----------|-----------------|--|
| Lotus_Notes_CDF_Fmt | 222 | 193 | Lotus Notes CDF | application/cdf | CDF | adWORDPROCESSOR | stringssr |
| Compress_Fmt | 223 | 192 | Unix Compress | application/x-compress | Z | adENCAPSULATION | kvzee , kvzeesr |
| GZ_Compress_Fmt | 224 | 198 | GZ Compress | application/gzip | GZ | adENCAPSULATION | kvgz , kvgzsr |
| TAR_Fmt | 225 | 194 | TAR archive | application/tar | TAR | adENCAPSULATION | tarsr |
| ODIF_FOD26_Fmt | 226 | 196 | Open Document Architecture (ODA / ODIF) FOD26 | application/oda | F26 | adWORDPROCESSOR | |
| ODIF_FOD36_Fmt | 227 | 196 | Open Document Architecture (ODA / ODIF) FOD36 | application/oda | F36 | adWORDPROCESSOR | |
| ALIS_Fmt | 228 | 197 | ALIS | | | adWORDPROCESSOR | |
| Envoy_Fmt | 229 | 199 | WordPerfect Envoy | application/envoy | EVY | adWORDPROCESSOR | |
| PDF_Fmt | 230 | 200 | Portable Document Format | application/pdf | PDF | adWORDPROCESSOR | kppdf2rdr , kppdfdrdr , pdf2sr , pdfsr |
| BinHex_Fmt | 231 | 206 | BinHex | application/mac-binhex40 | HQX | adENCAPSULATION | kvhqsr |
| SMTP_Fmt | 232 | 207 | SMTP | message/rfc822 | SMTP | adENCAPSULATION | emlsr |
| MIME_Fmt | 233 | 208 | MIME (EML, MBX email) ¹ | message/rfc822 | EML, MBX | adENCAPSULATION | mbxsr |
| USENET_Fmt | 234 | 264 | USENET | message/news | | adWORDPROCESSOR | |
| SGML_Fmt | 235 | 209 | SGML | text/sgml | SGML | adWORDPROCESSOR | afsr |
| HTML_Fmt | 236 | 210 | HTML | text/html | HTM, HTML | adWORDPROCESSOR | htmsr |
| ACT_Fmt | 237 | 211 | ACT! CRM software | | ACT | adWORDPROCESSOR | |
| PNG_Fmt | 238 | 213 | Portable Network Graphics (PNG) | image/png | PNG | adRASTERIMAGE | kppngrdr , pngsr |
| MS_Video_Fmt | 239 | 214 | Video for Windows (AVI) | video/avi | AVI | adMOVIE | MCI |
| Windows_Animated_Cursor_Fmt | 240 | 215 | Windows Animated Cursor | | ANI | adRASTERIMAGE | kpanirdr |
| Windows_CPP_Obj_Storage_Fmt | 241 | 216 | Windows C++ Object Storage | | | adMIXED | |
| Windows_Palette_Fmt | 242 | 217 | Windows Palette | | PAL | adRASTERIMAGE | |
| RIFF_DIB_Fmt | 243 | 218 | RIFF Device Independent Bitmap | | | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|--------------------------------------|----------------------------|-----------------|-----------------|---|
| RIFF_MIDI_Fmt | 244 | 219 | RIFF MIDI | audio/midi | RMI | adSOUND | |
| RIFF_Multimedia_Movie_Fmt | 245 | 220 | RIFF Multimedia Movie | | MMM | adMOVIE | |
| MPEG_Fmt | 246 | 221 | MPEG Movie | video/mpeg | | adMOVIE | |
| QuickTime_Fmt | 247 | 222 | QuickTime Movie, MPEG-4 audio | video/quicktime | MOV, QT, MP4 | adMOVIE | MCI , mpeg4sr |
| AIFF_Fmt | 248 | 223 | Audio Interchange File Format (AIFF) | audio/aiff | AIF, AIFF, AIFC | adSOUND | MCI , aiffr |
| Amiga_MOD_Fmt | 249 | 224 | Amiga MOD | | MOD | adSOUND | |
| Amiga_IFF_8SVX_Fmt | 250 | 225 | Amiga IFF (8SVX) Sound | audio/x-8svx | IFF | adSOUND | |
| Creative_Voice_Audio_Fmt | 251 | 226 | Creative Voice (VOC) | | VOC | adSOUND | |
| AutoDesk_Animator_FLI_Fmt | 252 | 229 | AutoDesk Animator FLIC | video/x-fli | FLI | adANIMATION | |
| AutoDesk_AnimatorPro_FLC_Fmt | 253 | 230 | AutoDesk Animator Pro FLIC | video/x-flc | FLC | adANIMATION | |
| Compactor_Archive_Fmt | 254 | 233 | Compactor / Compact Pro | application/mac-compactpro | | adENCAPSULATION | |
| VRML_Fmt | 255 | 234 | VRML | model/vrml | WRL | adVECTORGRAPHIC | |
| QuickDraw_3D_Metafile_Fmt | 256 | 235 | QuickDraw 3D Metafile | | | adVECTORGRAPHIC | |
| PGP_Secret_Keyring_Fmt | 257 | 236 | PGP Secret Keyring | application/pgp | | adENCAPSULATION | |
| PGP_Public_Keyring_Fmt | 258 | 237 | PGP Public Keyring | application/pgp | | adENCAPSULATION | |
| PGP_Encrypted_Data_Fmt | 259 | 238 | PGP Encrypted Data | application/pgp | | adENCAPSULATION | |
| PGP_Signed_Data_Fmt | 260 | 239 | PGP Signed Data | application/pgp | | adENCAPSULATION | |
| PGP_SignedEncrypted_Data_Fmt | 261 | 240 | PGP Signed and Encrypted Data | application/pgp | | adENCAPSULATION | |
| PGP_Sign_Certificate_Fmt | 262 | 241 | PGP Signature Certificate | application/pgp-signature | SIG | adENCAPSULATION | |
| PGP_Compressed_Data_Fmt | 263 | 246 | PGP Compressed Data | application/pgp | | adENCAPSULATION | |
| PGP_ASCII_Public_ | 264 | 242 | ASCII-armored PGP Public | application/pgp | PGP | adENCAPSULATION | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|-------------------------------------|---------------------------------|-----------------|-----------------|--|
| Keyring_Fmt | | | Keyring | | | | |
| PGP_ASCII_Encoded_Fmt | 265 | 243 | ASCII-armored PGP encoded | application/pgp | | adENCAPSULATION | |
| PGP_ASCII_Signed_Fmt | 266 | 244 | ASCII-armored PGP signed | application/pgp | | adENCAPSULATION | |
| OLE_DIB_Fmt | 267 | 245 | OLE DIB object | | | adRASTERIMAGE | |
| SGI_Image_Fmt | 268 | 247 | SGI Image | image/sgi | RGB | adRASTERIMAGE | kpsgirdr |
| Lotus_ScreenCam_Fmt | 269 | 248 | Lotus ScreenCam | application/vnd.lotus-screencam | SCM | adANIMATION | |
| MPEG_Audio_Fmt | 270 | 249 | MPEG Audio | audio/mpeg | MPEGA, MPG, MP3 | adSOUND | MCI , mp3sr |
| FTP_Software_Session_Fmt | 271 | 250 | FTP Session Data | | STE | adCOMMUNICATION | |
| Netscape_Bookmark_File_Fmt | 272 | 210 | Netscape Bookmark File | text/html | | adWORDPROCESSOR | htmsr |
| Corel_Draw_CMX_Fmt | 273 | 252 | Corel CMX | application/cmx | CMX | adVECTORGRAPHIC | |
| AutoDesk_DWG_Fmt | 274 | 253 | AutoDesk Drawing (DWG) | image/x-dwg | DWG | adVECTORGRAPHIC | kpDWGrdr , kpODArdr |
| AutoDesk_WHIP_Fmt | 275 | 254 | AutoDesk WHIP | | WHP | adVECTORGRAPHIC | |
| Macromedia_Director_Fmt | 276 | 255 | Macromedia Director | application/x-director | DCR | adANIMATION | |
| Real_Audio_Fmt | 277 | 256 | Real Audio | audio/x-pn-realaudio | RM, RA | adSOUND | |
| MSDOS_Device_Driver_Fmt | 278 | 257 | MSDOS Device Driver | application/octet-stream | SYS | adEXECUTABLE | |
| Micrografx_Designer_Fmt | 279 | 258 | Micrografx Designer | | DSF | adVECTORGRAPHIC | |
| SVF_Fmt | 280 | 259 | Simple Vector Format (SVF) | image/x-svf | SVF | adVECTORGRAPHIC | |
| Applix_Words_Fmt | 281 | 261 | Applix Words | application/x-applix-word | AW | adWORDPROCESSOR | awsr |
| Applix_Graphics_Fmt | 282 | 262 | Applix Graphics | | AG | adPRESENTATION | kpagrdr |
| MS_Access_Fmt | 283 | 263 | Microsoft Access (versions 1 and 2) | application/x-msaccess | MDB | adDATABASE | mdbsr |
| MS_Access_95_Fmt | 284 | 263 | Microsoft Access 95 | application/msaccess | MDB | adDATABASE | mdbsr |
| MS_Access_97_Fmt | 285 | 263 | Microsoft Access 97 | application/msaccess | MDB | adDATABASE | mdbsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|---|-------------------------------|--------------------|-----------------|--------------------------|
| MacBinary_Fmt | 286 | 265 | MacBinary | application/x-macbinary | BIN | adENCAPSULATION | macbinsr |
| Apple_Single_Fmt | 287 | 266 | Apple Single | | | adENCAPSULATION | |
| Apple_Double_Fmt | 288 | 267 | Apple Double | multipart/appledouble | AD | adENCAPSULATION | |
| Enhanced_Metafile_Fmt | 289 | 270 | Enhanced Metafile | image/x-emf | EMF | adVECTORGRAPHIC | kpemfrdr |
| MS_Office_Drawing_Fmt | 290 | 271 | Microsoft Office Drawing | | | adVECTORGRAPHIC | kpmsordr |
| XML_Fmt | 291 | 285 | XML | text/xml | XML | adWORDPROCESSOR | xmlsr |
| DeVice_Independent_Fmt | 292 | 274 | DeVice Independent file (DVI) | application/x-dvi | DVI | adVECTORGRAPHIC | |
| Unicode_Fmt | 293 | 275 | Unicode text file | text/plain | UNI | adWORDPROCESSOR | unisr |
| Lotus_123_Worksheet_Fmt | 294 | 81 | Lotus 1-2-3 | application/x-lotus-123 | WKS, WK1, WK3, WK4 | adSPREADSHEET | wkssr |
| Lotus_123_Format_Fmt | 295 | 81 | Lotus 1-2-3 Formatting | application/x-123 | FM3 | adSPREADSHEET | l123sr |
| Lotus_123_97_Fmt | 296 | 81 | Lotus 1-2-3 97 | application/x-lotus-123 | 123 | adSPREADSHEET | l123sr |
| Lotus_Word_Pro_96_Fmt | 297 | 268 | Lotus Word Pro 96 | application/vnd.lotus-wordpro | LWP, MWP | adWORDPROCESSOR | lwpsr |
| Lotus_Word_Pro_97_Fmt | 298 | 268 | Lotus Word Pro 97 | application/vnd.lotus-wordpro | LWP, MWP | adWORDPROCESSOR | lwpsr |
| Freelance_DOS_Fmt | 299 | 140 | Lotus Freelance for DOS | application/x-freelance | PRZ | adPRESENTATION | kppzrdr |
| Freelance_Win_Fmt | 300 | 140 | Lotus Freelance for Windows | application/x-freelance | PRE, FLW | adPRESENTATION | kpprerdr |
| Freelance_OS2_Fmt | 301 | 140 | Lotus Freelance for OS/2 | application/x-freelance | PRS | adPRESENTATION | kpprerdr |
| Freelance_96_Fmt | 302 | 140 | Lotus Freelance 96 | application/x-freelance | PRZ | adPRESENTATION | kppzrdr |
| Freelance_97_Fmt | 303 | 140 | Lotus Freelance 97 | application/x-freelance | PRZ | adPRESENTATION | kppzrdr |
| MS_Word_95_Fmt | 304 | 189 | Microsoft Word 95 | application/msword | DOC | adWORDPROCESSOR | mw6sr |
| MS_Word_97_Fmt | 305 | 269 | Microsoft Word 97 | application/msword | DOC, WPS, WBK | adWORDPROCESSOR | mw8sr |
| Excel_Fmt | 306 | 90 | Microsoft Excel (up to version 5) | application/x-ms-excel | XLS | adSPREADSHEET | xlssr |
| Excel_Chart_Fmt | 307 | 90 | Microsoft Excel (up to version 5) chart | application/x-ms-excel | XLC | adSPREADSHEET | xlssr |
| Excel_Macro_Fmt | 308 | 90 | Microsoft Excel (up to version 5) macro | application/vnd.ms-excel | XLM | adSPREADSHEET | xlssr |
| Excel_95_Fmt | 309 | 188 | Microsoft Excel 95 | application/x-ms-excel | XLS | adSPREADSHEET | xlssr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|-------------------------------------|----------------------------------|---------------|-----------------|--|
| Excel_97_Fmt | 310 | 188 | Microsoft Excel 97 | application/x-ms-excel | XLS, XLR | adSPREADSHEET | xlssr |
| Corel_Presentations_Fmt | 311 | 127 | Corel Presentations | application/x-corelpresentations | XFD, XFDL | adPRESENTATION | kpswhrdr |
| Harvard_Graphics_Fmt | 312 | 131 | Harvard Graphics | | PR4 | adPRESENTATION | |
| Harvard_Graphics_Chart_Fmt | 313 | 131 | Harvard Graphics Chart | | CH3, CHT | adVECTORGRAPHIC | |
| Harvard_Graphics_Symbol_Fmt | 314 | 131 | Harvard Graphics Symbol File | | SY3 | adVECTORGRAPHIC | |
| Harvard_Graphics_Cfg_Fmt | 315 | 131 | Harvard Graphics Configuration File | | | adVECTORGRAPHIC | |
| Harvard_Graphics_Palette_Fmt | 316 | 131 | Harvard Graphics Palette | | | adVECTORGRAPHIC | |
| Lotus_123_R9_Fmt | 317 | 81 | Lotus 1-2-3 Release 9 | application/x-lotus-123 | 123 | adSPREADSHEET | l123sr |
| Applix_Spreadsheets_Fmt | 318 | 278 | Applix Spreadsheets | application/x-applix-spreadsheet | AS | adSPREADSHEET | assr |
| MS_Pocket_Word_Fmt | 319 | 45 | Microsoft Pocket Word | | PWD | adWORDPROCESSOR | rtfsr |
| MS_DIB_Fmt | 320 | 279 | Microsoft Device Independent Bitmap | image/bmp | DIB | adRASTERIMAGE | |
| MS_Word_2000_Fmt | 321 | 269 | Microsoft Word 2000 | application/msword | DOC | adWORDPROCESSOR | mw8sr |
| Excel_2000_Fmt | 322 | 188 | Microsoft Excel 2000 | application/x-ms-excel | XLS | adSPREADSHEET | xlssr |
| PowerPoint_2000_Fmt | 323 | 272 | Microsoft PowerPoint 2000 | application/x-ms-powerpoint | PPT | adPRESENTATION | kpp97rdr |
| MS_Access_2000_Fmt | 324 | 263 | Microsoft Access 2000 | application/x-msaccess | MDB | adDATABASE | mdbsr |
| MS_Project_4_Fmt | 325 | 281 | Microsoft Project 4 | | MPP | adSCHEDULE | mpps |
| MS_Project_41_Fmt | 326 | 281 | Microsoft Project 4.1 | | MPP | adSCHEDULE | mpps |
| MS_Project_98_Fmt | 327 | 281 | Microsoft Project 98 | application/vnd.ms-project | MPP | adSCHEDULE | mpps |
| Folio_Flat_Fmt | 328 | 282 | Folio Flat File | | FFF | adWORDPROCESSOR | foliosr |
| HWP_Fmt | 329 | 283 | HWP (Arae-Ah Hangul) | application/x-hwp | HWP | adWORDPROCESSOR | hwpsr , hwpsr |
| ICHITARO_Fmt | 330 | 284 | ICHITARO (v4-10) | | JTD | adWORDPROCESSOR | jtdsr |
| IS_XML_Fmt | 331 | 273 | Extended or Custom XML | text/xml | XML | adWORDPROCESSOR | |
| Oasys_Fmt | 332 | 286 | Oasys | application/vnd.fujitsu.oasys | OAS, OA2, OA3 | adWORDPROCESSOR | oa2sr |
| PBM_ASC_Fmt | 333 | 287 | Portable Bitmap Utilities | image/pbm | PBM | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------|--------|----------|---|--------------------------------|-----------|-----------------|--|
| | | | ASCII format (PBM) | | | | |
| PBM_BIN_Fmt | 334 | 287 | Portable Bitmap Utilities BINARY format (PBM) | image/pbm | PBM | adRASTERIMAGE | |
| PGM_ASC_Fmt | 335 | 288 | Portable Greymap Utilities ASCII format (PGM) | image/x-pgm | PGM | adRASTERIMAGE | |
| PGM_BIN_Fmt | 336 | 288 | Portable Greymap Utilities BINARY format (PGM) | image/x-pgm | PGM | adRASTERIMAGE | |
| PPM_ASC_Fmt | 337 | 289 | Portable Pixmap Utilities ASCII format (PPM) | image/x-portable-pixmap | PPM | adRASTERIMAGE | |
| PPM_BIN_Fmt | 338 | 289 | Portable Pixmap Utilities BINARY format (PPM) | image/x-portable-pixmap | PPM | adRASTERIMAGE | |
| XBM_Fmt | 339 | 290 | X Bitmap format (XBM) | image/x-xbitmap | XBM | adRASTERIMAGE | |
| XPM_Fmt | 340 | 291 | X Pixmap format (XPM) | image/xpm | XPM | adRASTERIMAGE | |
| FPX_Fmt | 341 | 292 | Kodak FlashPix FPX Image format | image/fpx | FPX | adRASTERIMAGE | |
| PCD_Fmt | 342 | 293 | PCD Image format | image/pcd | PCD | adRASTERIMAGE | |
| MS_Visio_Fmt | 343 | 294 | Microsoft Visio (up to version 11) | image/x-vsd | VSD | adPRESENTATION | kpVSD2rdr , vsdsr |
| MS_Project_2000_Fmt | 344 | 281 | Microsoft Project 2000 | application/vnd.ms-project | MPP | adSCHEDULE | mpps |
| MS_Outlook_Fmt | 345 | 295 | Microsoft Outlook message | application/vnd.ms-outlook | MSG, OFT | adENCAPSULATION | msgsr |
| ELF_Relocatable_Fmt | 346 | 159 | ELF Relocatable | application/octet-stream | O | adOBJECTMODULE | |
| ELF_Executable_Fmt | 347 | 158 | ELF Executable | application/octet-stream | | adEXECUTABLE | |
| ELF_Dynamic_Lib_Fmt | 348 | 160 | ELF Dynamic Library | application/octet-stream | SO | adLIBRARY | |
| MS_Word_XML_Fmt | 349 | 285 | Microsoft Word 2003 XML | text/xml | XML | adWORDPROCESSOR | xmlsr |
| MS_Excel_XML_Fmt | 350 | 285 | Microsoft Excel 2003 XML | text/xml | XML | adWORDPROCESSOR | xmlsr |
| MS_Visio_XML_Fmt | 351 | 285 | Microsoft Visio 2003 XML | text/xml | VDX | adWORDPROCESSOR | xmlsr |
| SO_Text_XML_Fmt | 352 | 314 | OpenDocument format (OpenOffice 1/StarOffice 6,7) Text XML | application/vnd.sun.xml.writer | SXW | adWORDPROCESSOR | odfwpsr |
| SO_Spreadsheet_XML_Fmt | 353 | 315 | OpenDocument format (OpenOffice 1/StarOffice 6,7) Spreadsheet XML | application/vnd.sun.xml.calc | SXC, STC | adSPREADSHEET | sosr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--|---------------------------------|------------------------|-----------------|---|
| SO_Presentation_XML_Fmt | 354 | 316 | OpenDocument format (OpenOffice 1/StarOffice 6,7) Presentation XML | application/vnd.sun.xml.impress | SXD, SXI | adPRESENTATION | kpodfrdr |
| XHTML_Fmt | 355 | 296 | XHTML | text/xhtml | XML, XHTML, XHT | adWORDPROCESSOR | |
| MS_OutlookPST_Fmt | 356 | 297 | Microsoft Outlook Personal Folders File (.pst) | application/vnd.ms-outlook-pst | PST | adENCAPSULATION | pstnsr , pstrs , pstxsr |
| RAR_Fmt | 357 | 298 | RAR archive format | application/x-rar-compressed | RAR, REV, R00, R01 | adENCAPSULATION | rarsr |
| Lotus_Notes_NSF_Fmt | 358 | 299 | IBM Lotus Notes Database NSF/NTF | application/x-lotus-notes | NSF | adENCAPSULATION | nsfsr |
| Macromedia_Flash_Fmt | 359 | 300 | Macromedia Flash (.swf) | application/x-shockwave-flash | SWF, SWD | adWORDPROCESSOR | swfsr |
| MS_Word_2007_Fmt | 360 | 301 | Microsoft Word 2007 XML - Docx | application/x-ms-word07 | DOCX, DOTX | adWORDPROCESSOR | mwxsr |
| MS_Excel_2007_Fmt | 361 | 302 | Microsoft Excel 2007 XML | application/x-ms-excel07 | XLSX, XLTX | adSPREADSHEET | xlsxsr |
| MS_PPT_2007_Fmt | 362 | 303 | Microsoft PowerPoint 2007 XML | application/x-ms-powerpoint07 | PPTX, POTX, PPSX | adPRESENTATION | kpppxrdr |
| OpenPGP_Fmt | 363 | 304 | OpenPGP Message Format (with new packet format) | application/pgp-encrypted | PGP | adENCAPSULATION | |
| Intergraph_V7_DGN_Fmt | 364 | 305 | Intergraph Standard File Format (ISFF) V7 DGN (non-OLE) | | DGN | adVECTORGRAPHIC | |
| MicroStation_V8_DGN_Fmt | 365 | 306 | MicroStation V8 DGN (OLE) | | DGN | adVECTORGRAPHIC | |
| MS_Word_Macro_2007_Fmt | 366 | 307 | Microsoft Word Macro 2007 XML | application/x-ms-word07m | DOCM, DOTM | adWORDPROCESSOR | mwxsr |
| MS_Excel_Macro_2007_Fmt | 367 | 308 | Microsoft Excel Macro 2007 XML | application/x-ms-excel07m | XLSM, XLTM, XLAM | adSPREADSHEET | xlsxsr |
| MS_PPT_Macro_2007_Fmt | 368 | 309 | Microsoft PPT Macro 2007 XML | application/x-ms-powerpoint07m | PPTM, POTM, PPSM, PPAM | adPRESENTATION | kpppxrdr |
| LZH_Fmt | 369 | 310 | LZH Archive | application/x-lzh-compressed | LZH, LHA | adENCAPSULATION | lzhsr |
| Office_2007_Fmt | 370 | 311 | Office 2007 document | | XLSB | adMISC | |
| MS_XPS_Fmt | 371 | 312 | Microsoft XML Paper Specification (XPS) | application/vnd.ms-xpsdocument | XPS | adWORDPROCESSOR | xpsr |
| Lotus_Domino_DXL_Fmt | 372 | 313 | IBM Domino Data in XML | text/xml | DXL | adENCAPSULATION | dxlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|---|---|----------------------------------|-----------------|--------------------------|
| | | | format (. dxl) | | | | |
| ODF_Text_Fmt | 373 | 314 | ODF Text | application/vnd.oasis.opendocument.text | ODT | adWORDPROCESSOR | odfwpsr |
| ODF_Spreadsheet_Fmt | 374 | 315 | ODF Spreadsheet | application/vnd.oasis.opendocument.spreadsheet | ODS | adSPREADSHEET | odfsssr |
| ODF_Presentation_Fmt | 375 | 316 | ODF Presentation | application/vnd.oasis.opendocument.presentation | ODP | adPRESENTATION | kpodfrdr |
| Legato_Extender_ONM_Fmt | 376 | 317 | Legato Extender Native Message ONM | application/x-lotus-notes | ONM | adENCAPSULATION | onmsr |
| bin_Unknown_Fmt | 377 | 318 | Bin unknown format (.xxx) | | | adWORDPROCESSOR | |
| TNEF_Fmt | 378 | 319 | Transport Neutral Encapsulation Format (TNEF) | application/vnd.ms-tnef | | adENCAPSULATION | tnefsr |
| CADAM_Drawing_Fmt | 379 | 320 | CADAM Drawing | | CDD | adVECTORGRAPHIC | |
| CADAM_Drawing_Overlay_Fmt | 380 | 321 | CADAM Drawing Overlay | | CDO | adVECTORGRAPHIC | |
| NURSTOR_Drawing_Fmt | 381 | 322 | NURSTOR Drawing | | NUR | adVECTORGRAPHIC | |
| HP_GLP_Fmt | 382 | 323 | HP Graphics Language (Plotter) | vector/x-hpgl2 | HPG | adVECTORGRAPHIC | |
| ASF_Fmt | 383 | 324 | Advanced Systems Format (ASF) | application/x-ms-asf | ASF | adMISC | asfsr |
| WMA_Fmt | 384 | 325 | Windows Media Audio Format (WMA) | audio/x-ms-wma | WMA | adSOUND | asfsr |
| WMV_Fmt | 385 | 326 | Windows Media Video Format (WMV) | video/x-ms-wmv | WMV | adMOVIE | asfsr |
| EMX_Fmt | 386 | 327 | Legato EMailXtender Archives Format (EMX) | | EMX | adENCAPSULATION | emxsr |
| Z7Z_Fmt | 387 | 328 | 7 Zip Format (7z) | application/7z | 7Z | adENCAPSULATION | z7zsr |
| MS_Excel_Binary_2007_Fmt | 388 | 329 | Microsoft Excel Binary 2007 | application/vnd.ms-excel.sheet.binary.macroenabled.12 | XLSB | adSPREADSHEET | xlsbsr |
| CAB_Fmt | 389 | 330 | Microsoft Cabinet File (CAB) | application/vnd.ms-cab-compressed | CAB | adENCAPSULATION | cabsr |
| CATIA_Fmt | 390 | 331 | CATIA Formats (CAT*) | | CATPART, CATPRODUCT ² | adVECTORGRAPHIC | kpCATrdr |
| YIM_Fmt | 391 | 332 | Yahoo Instant Messenger History | | DAT | adWORDPROCESSOR | yimsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|-------------------------------------|---|------------|-----------------|--------------------------|
| ODF_Drawing_Fmt | 392 | 316 | ODF Drawing/Graphics | application/vnd.oasis.opendocument.graphics | ODG | adVECTORGRAPHIC | kpodfrdr |
| Founder_CEB_Fmt | 393 | 333 | Founder Chinese E-paper Basic (ceb) | application/ceb | CEB | adWORDPROCESSOR | cebsr |
| QPW_Fmt | 394 | 334 | Corel Quattro Pro 9+ for Windows | application/quattro-pro | QPW | adSPREADSHEET | qpwsr |
| MHT_Fmt | 395 | 335 | MHTML format (MHT) ¹ | multipart/related | MHT, MHTML | adWORDPROCESSOR | mhtr |
| MDI_Fmt | 396 | 336 | Microsoft Document Imaging Format | image/vnd.ms-modi | MDI | adRASTERIMAGE | |
| GRV_Fmt | 397 | 337 | Microsoft Office Groove Format | application/vnd.groove-injector | GRV | adWORDPROCESSOR | |
| IWWP_Fmt | 398 | 338 | Apple iWork Pages format | application/vnd.apple.pages | PAGES | adWORDPROCESSOR | iwpsr |
| IWSS_Fmt | 399 | 339 | Apple iWork Numbers format | application/vnd.apple.numbers | NUMBERS | adSPREADSHEET | iwssr |
| IWPG_Fmt | 400 | 340 | Apple iWork Keynote format | application/vnd.apple.keynote | KEY | adPRESENTATION | kplWPGdr |
| BKF_Fmt | 401 | 341 | Windows Backup File | | BKF | adENCAPSULATION | bkfsr |
| MS_Access_2007_Fmt | 402 | 342 | Microsoft Access 2007 | application/msaccess | ACCDB | adDATABASE | mdbsr |
| ENT_Fmt | 403 | 343 | Microsoft Entourage Database Format | | | adENCAPSULATION | entsr |
| DMG_Fmt | 404 | 344 | Mac Disk Copy Disk Image File | application/x-apple-diskimage | DMG | adENCAPSULATION | dmgsr |
| CWK_Fmt | 405 | 345 | AppleWorks (Claris Works) File | application/appleworks | CWK | adWORDPROCESSOR | stringsr |
| OO3_Fmt | 406 | 346 | Omni Outliner V3 File | | OO3 | adWORDPROCESSOR | oo3sr |
| OPML_Fmt | 407 | 347 | Omni Outliner OPML File | | OPML | adWORDPROCESSOR | oo3sr |
| Omni_Graffle_XML_Fmt | 408 | 348 | Omni Graffle XML File | | GRAFFLE | adVECTORGRAPHIC | kpGFLdr |
| PSD_Fmt | 409 | 349 | Photoshop Document | image/vnd.adobe.photoshop | PSD, PSB | adRASTERIMAGE | psdsr |
| Apple_Binary_PLList_Fmt | 410 | 350 | Apple Binary Property List format | | PLIST | adMISC | |
| Apple_iChat_Fmt | 411 | 351 | Apple iChat format | | ICHAT | adWORDPROCESSOR | ichatsr |
| OOUTLINE_Fmt | 412 | 352 | OOutliner File | | OOUTLINE | adWORDPROCESSOR | oo3sr |
| BZIP2_Fmt | 413 | 353 | Bzip 2 Compressed File | application/x-bzip2 | BZ2 | adENCAPSULATION | bzip2sr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------|--------|----------|--|-------------------------------------|--------------------------------|------------------|---|
| ISO_Fmt | 414 | 354 | ISO-9660 CD Disc Image Format | application/x-iso9660-image | ISO | adENCAPSULATION | isosr |
| DocuWorks_Fmt | 415 | 355 | DocuWorks Format | application/vnd.fujixerox.docuworks | XDW | adWORDPROCESSOR | |
| RealMedia_Fmt | 416 | 356 | RealMedia Streaming Media | application/vnd.rm-realmedia | RM, RA | adMOVIE | |
| AC3Audio_Fmt | 417 | 357 | AC3 Audio File Format | audio/ac3 | AC3 | adSOUND | |
| NEF_Fmt | 418 | 358 | Nero Encrypted File | | NEF | adENCAPSULATION | |
| SolidWorks_Fmt | 419 | 359 | SolidWorks Format Files | | SLDASM, SLDPRT, SLDDRW, SLDDRT | adVECTORGRAPHIC | |
| XFDL_Fmt | 420 | 366 | Extensible Forms Description Language | application/x-xfdl | XFDL, XFD | adPRESENTATION | kpXFDLrdr |
| Apple_XML_PLIST_Fmt | 421 | 367 | Apple XML Property List format | | PLIST | adMISC | |
| OneNote_Fmt | 422 | 368 | OneNote Note Format | application/onenote | ONE | adWORDPROCESSOR | kpONErdr |
| IFilter_Fmt | 423 | 369 | iFilter | | | adWORDPROCESSOR | |
| Dicom_Fmt | 424 | 370 | Digital Imaging and Communications in Medicine (Dicom) | application/dicom | DCM | adRASTERIMAGE | dcmsr |
| EnCase_Fmt | 425 | 371 | Expert Witness Compression Format (EnCase) | | E01, L01, Lx01 | adENCAPSULATION | encase2sr , encasesr |
| Scrap_Fmt | 426 | 372 | Shell Scrap Object File | | SHS | adENCAPSULATION | olesr |
| MS_Project_2007_Fmt | 427 | 373 | Microsoft Project 2007 | application/vnd.ms-project | MPP | adSCHEDULE | mppsrsr |
| MS_Publisher_98_Fmt | 428 | 374 | Microsoft Publisher from version 98 | application/x-mspublisher | PUB | adDESKTOPPUBLISH | mspubsr |
| Skype_Fmt | 429 | 375 | Skype Log File | | DBB | adWORDPROCESSOR | skypesr |
| HL7_Fmt | 430 | 377 | Health level7 message | | HL7 | adWORDPROCESSOR | hl7sr |
| MS_OutlookOST_Fmt | 431 | 378 | Microsoft Outlook Offline Folders File (OST) | application/vnd.ms-outlook-pst | OST | adENCAPSULATION | pffsr |
| Epub_Fmt | 432 | 379 | Electronic Publication | application/epub+zip | EPUB | adWORDPROCESSOR | epubsr |
| MS_OEDBX_Fmt | 433 | 380 | Microsoft Outlook Express DBX Message Database | | DBX | adENCAPSULATION | dbxsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--|---------------------------------------|---|-----------------|---|
| BB_Activ_Fmt | 434 | 381 | BlackBerry Activation File | | DAT | adWORDPROCESSOR | |
| DiskImage_Fmt | 435 | 382 | Disk Image | | DMG | adENCAPSULATION | |
| Milestone_Fmt | 436 | 383 | Milestone Document | | MLS, ML3, ML4, ML5, ML6, ML7, ML8, ML9, MLA | adRASTERIMAGE | |
| E_Transcript_Fmt | 437 | 384 | RealLegal E-Transcript File | | PTX | adWORDPROCESSOR | |
| PostScript_Font_Fmt | 438 | 385 | PostScript Type 1 Font | application/x-font | PFB | adFONT | |
| Ghost_DiskImage_Fmt | 439 | 386 | Ghost Disk Image File | | GHO, GHS | adENCAPSULATION | |
| JPEG_2000_JP2_File_Fmt | 440 | 387 | JPEG-2000 JP2 File Format Syntax (ISO/IEC 15444-1) | image/jp2 | JP2, JPF, J2K, JPWL, JPX, PGX | adRASTERIMAGE | jp2000sr , kpjp2000rdr |
| Unicode_HTML_Fmt | 441 | 388 | Unicode HTML | text/html | HTM, HTML | adWORDPROCESSOR | unihtmsr |
| CHM_Fmt | 442 | 389 | Microsoft Compiled HTML Help | application/x-chm | CHM | adENCAPSULATION | chmsr |
| EMCMF_Fmt | 443 | 390 | Documentum EMCMF format | | EMCMF | adENCAPSULATION | msgsr |
| MS_Access_2007_Tmpl_Fmt | 444 | 391 | Microsoft Access 2007 Template | | ACCDT | adDATABASE | |
| Jungum_Fmt | 445 | 392 | Samsung Electronics Jungum Global document | | GUL | adWORDPROCESSOR | |
| JBIG2_Fmt | 446 | 393 | JBIG2 File Format | image/jbig2 | JB2, JBIG2 | adRASTERIMAGE | kpJBIG2rdr |
| EFax_Fmt | 447 | 394 | eFax file | | EFX | adRASTERIMAGE | |
| AD1_Fmt | 448 | 395 | AD1 Evidence file | | AD1 | adENCAPSULATION | ad1sr |
| SketchUp_Fmt | 449 | 396 | Google SketchUp | | SKP | adVECTORGRAPHIC | |
| GWFS_Email_Fmt | 450 | 397 | Group Wise File Surf email | | GWFS | adENCAPSULATION | gwfssr |
| JNT_Fmt | 451 | 398 | Windows Journal format | | JNT | adWORDPROCESSOR | |
| Yahoo_yChat_Fmt | 452 | 399 | Yahoo! Messenger chat log | | YCHAT | adWORDPROCESSOR | |
| PaperPort_MAX_File_Fmt | 453 | 400 | PaperPort MAX image file | image/max | MAX | adRASTERIMAGE | |
| ARJ_Fmt | 454 | 402 | ARJ (Archive by Robert Jung) file format | application/arj | ARJ | adENCAPSULATION | multiarcsr |
| RPMSG_Fmt | 455 | 403 | Microsoft Outlook Restricted Permission | application/x-microsoft-rpmsg-message | RPMSG | adENCAPSULATION | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--|---------------------------|------------------|-----------------|---|
| | | | Message | | | | |
| MAT_Fmt | 456 | 404 | MATLAB file format | application/x-matlab-data | MAT, FIG | adWORDPROCESSOR | |
| SGY_Fmt | 457 | 405 | SEG-Y Seismic Data format | | SGY, SEGY | adWORDPROCESSOR | |
| CDXA_MPEG_PS_Fmt | 458 | 406 | MPEG-PS container with CDXA stream | video/mpeg | MPG | adMOVIE | |
| EVT_Fmt | 459 | 407 | Microsoft Windows NT Event Log | | EVT | adMISC | |
| EVTX_Fmt | 460 | 408 | Microsoft Windows Vista Event Log | | EVTX | adMISC | |
| MS_OutlookOLM_Fmt | 461 | 409 | Microsoft Outlook for Macintosh format | | OLM | adENCAPSULATION | olmsr |
| WARC_Fmt | 462 | 410 | Web ARChive | application/warc | WARC | adENCAPSULATION | |
| JAVACLASS_Fmt | 463 | 411 | Java Class format | application/x-java-class | CLASS | adWORDPROCESSOR | |
| VCF_Fmt | 464 | 412 | Microsoft Outlook vCard file format | text/vcard | VCF | adWORDPROCESSOR | vcfsr |
| EDB_Fmt | 465 | 413 | Microsoft Exchange Server Database file format | | EDB | adENCAPSULATION | |
| ICS_Fmt | 466 | 414 | Microsoft Outlook iCalendar file format | text/calendar | ICS, VCS | adENCAPSULATION | icssr |
| MS_Visio_2013_Fmt | 467 | 415 | Microsoft Visio 2013 | application/vnd.visio | VSDX, VSTX, VSSX | adPRESENTATION | ActiveX components, kpVSDXrdr |
| MS_Visio_2013_Macro_Fmt | 468 | 415 | Microsoft Visio 2013 macro | application/vnd.visio | VSDM, VSTM, VSSM | adPRESENTATION | kpVSDXrdr |
| ICHITARO_Compr_Fmt | 469 | 417 | ICHITARO Compressed format | application/x-js-taro | JTDC | adWORDPROCESSOR | jtdsr |
| IWWP13_Fmt | 470 | 418 | Apple iWork 2013 Pages format | | IWA, PAGES | adWORDPROCESSOR | iwwp13sr |
| IWSS13_Fmt | 471 | 419 | Apple iWork 2013 Numbers format | | IWA, NUMBERS | adSPREADSHEET | iwss13sr |
| IWPG13_Fmt | 472 | 420 | Apple iWork 2013 Keynote format | | IWA, KEY | adPRESENTATION | kplWPG13rdr, kplWPGrdr |
| XZ_Fmt | 473 | 421 | XZ archive format | application/x-xz | XZ | adENCAPSULATION | multiarcsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------------|--------|----------|--------------------------------------|--|---------------|-----------------|--|
| Sony_WAVE64_Fmt | 474 | 422 | Sony Wave64 format | audio/wav64 | W64 | adSOUND | |
| Conifer_WAVPACK_Fmt | 475 | 423 | Conifer Wavpack format | audio/x-wavpack | WV | adSOUND | |
| Xiph_OGG_VORBIS_Fmt | 476 | 424 | Xiph Ogg Vorbis format | audio/ogg | OGG | adSOUND | |
| MS_Visio_2013_Stencil_Fmt | 477 | 415 | MS Visio 2013 stencil format | application/vnd.visio | VSSX | adPRESENTATION | kpVSDXrdr |
| MS_Visio_2013_Stencil_Macro_Fmt | 478 | 415 | MS Visio 2013 stencil Macro format | application/vnd.visio | VSSM | adPRESENTATION | kpVSDXrdr |
| MS_Visio_2013_Template_Fmt | 479 | 415 | MS Visio 2013 template format | application/vnd.visio | VSTX | adPRESENTATION | kpVSDXrdr |
| MS_Visio_2013_Template_Macro_Fmt | 480 | 415 | MS Visio 2013 template Macro format | application/vnd.visio | VSTM | adPRESENTATION | kpVSDXrdr |
| Borland_Reflex_2_Fmt | 481 | 425 | Borland Reflex 2 format | | R2D | adDATABASE | |
| PKCS_12_Fmt | 482 | 426 | PKCS #12 (p12) format | application/x-pkcs12 | P12, PFX | adWORDPROCESSOR | |
| B1_Fmt | 483 | 427 | B1 format | application/x-b1 | B1 | adENCAPSULATION | b1sr |
| ISO_IEC_MPEG_4_Fmt | 484 | 428 | ISO/IEC MPEG-4 (ISO 14496) format | video/mp4 | MP4 | adMOVIE | mpeg4sr |
| RAR5_Fmt | 485 | 429 | RAR5 Format | application/x-rar-compressed | RAR | adENCAPSULATION | multiarcsr |
| Unigraphics_NX_Fmt | 486 | 362 | Unigraphics (UG) NX CAD Format | | PRT | adVECTORGRAPHIC | kpUGrdr |
| PTC_Creo_Fmt | 487 | 430 | PTC Creo CAD Format | | ASM, PRT | adVECTORGRAPHIC | |
| KML_Fmt | 488 | 431 | Keyhole Markup Language | application/vnd.google-earth.kml+xml | KML | adWORDPROCESSOR | xmlsr |
| KMZ_Fmt | 489 | 432 | Zipped Keyhole Markup Language | application/vnd.google-earth.kmz | KMZ | adWORDPROCESSOR | unzip |
| WML_Fmt | 490 | 433 | Wireless Markup Language | text/vnd.wap.wml | WML | adWORDPROCESSOR | xmlsr |
| ODF_Formula_Fmt | 491 | 434 | ODF Formula | application/vnd.oasis.opendocument.formula | ODF | adWORDPROCESSOR | unzip |
| SO_Text_Fmt | 492 | 435 | Star Office 4,5 Writer Text | application/vnd.stardivision.writer | SDW, SGL, VOR | adWORDPROCESSOR | kpsdwrdr , stawsr |
| SO_Spreadsheet_Fmt | 493 | 436 | Star Office 4,5 Calc Spreadsheet | application/vnd.stardivision.calc | SDC | adSPREADSHEET | starcsr |
| SO_Presentation_Fmt | 494 | 437 | Star Office 4,5 Impress Presentation | application/vnd.stardivision.draw | SDD, SDA | adPRESENTATION | kpsddrdr |
| SO_Math_Fmt | 495 | 438 | Star Office 4,5 Math | application/vnd.stardivision.math | SMF | adMISC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------|--------|----------|--|---------------------|--------------|--------------|----------------------|
| STEP_Fmt | 496 | 439 | ISO 10303-21 STEP format | | | adMISC | |
| STL_Fmt | 497 | 364 | 3D Systems STL ASCII format | | | adMISC | |
| AppleScript_Fmt | 498 | 440 | AppleScript Source Code ³ | text/x-applescript | APPLESCRIPT | adSOURCECODE | afsr |
| Assembly_Fmt | 499 | 441 | Assembly Code ³ | text/x-assembly | | adSOURCECODE | afsr |
| C_Fmt | 500 | 442 | C Source Code ³ | text/x-c | C, H | adSOURCECODE | afsr |
| Csharp_Fmt | 501 | 443 | C# Source Code ³ | text/x-csharp | CS | adSOURCECODE | afsr |
| CPlusPlus_Fmt | 502 | 444 | C++ Source Code ³ | text/x-c++ | CPP, HPP | adSOURCECODE | afsr |
| Css_Fmt | 503 | 445 | Cascading Style Sheet ³ | text/css | CSS | adSOURCECODE | afsr |
| Clojure_Fmt | 504 | 446 | Clojure Source Code ³ | text/x-clojure | CLJ, CL2 | adSOURCECODE | afsr |
| CoffeeScript_Fmt | 505 | 447 | CoffeeScript Source Code ³ | text/x-coffeescript | COFFEE, CAKE | adSOURCECODE | afsr |
| Lisp_Fmt | 506 | 448 | Common Lisp Source Code ³ | text/x-common-lisp | EL | adSOURCECODE | afsr |
| Dockerfile_Fmt | 507 | 449 | Dockerfile ³ | text/x-dockerfile | | adSOURCECODE | afsr |
| Eiffel_Fmt | 508 | 450 | Eiffel Source Code ³ | text/x-eiffel | E | adSOURCECODE | afsr |
| Erlang_Fmt | 509 | 451 | Erlang Source Code ³ | text/x-erlang | ERL, ES | adSOURCECODE | afsr |
| Fsharp_Fmt | 510 | 452 | F# Source Code ³ | text/x-fsharp | FS | adSOURCECODE | afsr |
| Fortran_Fmt | 511 | 453 | Fortran Source Code ³ | text/x-fortran | F | adSOURCECODE | afsr |
| Go_Fmt | 512 | 454 | Go Source Code ³ | text/x-go | GO | adSOURCECODE | afsr |
| Groovy_Fmt | 513 | 455 | Groovy Source Code ³ | text/x-groovy | GRT, GVY | adSOURCECODE | afsr |
| Haskell_Fmt | 514 | 456 | Haskell Source Code ³ | text/x-haskell | HS | adSOURCECODE | afsr |
| Ini_Fmt | 515 | 457 | Initialization (INI) file ³ | text/x-ini | | adSOURCECODE | afsr |
| Java_Fmt | 516 | 458 | Java Source Code ³ | text/x-java-source | JAVA | adSOURCECODE | afsr |
| Javascript_Fmt | 517 | 459 | Javascript Source Code ³ | text/javascript | JS | adSOURCECODE | afsr |
| Lua_Fmt | 518 | 460 | Lua Source Code ³ | text/x-lua | LUA | adSOURCECODE | afsr |
| Makefile_Fmt | 519 | 461 | Makefile ³ | text/x-makefile | MAKE | adSOURCECODE | afsr |
| Mathematica_Fmt | 520 | 462 | Wolfram Mathematica Source Code ³ | text/x-mathematica | M | adSOURCECODE | afsr |
| ObjC_Fmt | 521 | 464 | Objective-C Source Code ³ | text/x-objc | | adSOURCECODE | afsr |
| ObjCpp_Fmt | 522 | 465 | Objective-C++ Source | text/x-objectivec++ | | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|--|-------------------|-------------|-----------------|-----------------------|
| | | | Code ³ | | | | |
| ObjJ_Fmt | 523 | 466 | Objective-J Source Code ³ | text/x-objectivej | J | adSOURCECODE | afsr |
| PHP_Fmt | 524 | 467 | PHP Source Code ³ | text/x-php | PHP | adSOURCECODE | afsr |
| PLSQL_Fmt | 525 | 468 | PLSQL Source Code ³ | text/x-plsql | | adSOURCECODE | afsr |
| Pascal_Fmt | 526 | 469 | Pascal Source Code ³ | text/x-pascal | PASCAL | adSOURCECODE | afsr |
| Perl_Fmt | 527 | 470 | Perl Source Code ³ | text/x-perl | PL | adSOURCECODE | afsr |
| Powershell_Fmt | 528 | 471 | PowerShell Source Code ³ | text/x-powershell | PS1 | adSOURCECODE | afsr |
| Prolog_Fmt | 529 | 472 | Prolog Source Code ³ | text/x-prolog | PRO, PROLOG | adSOURCECODE | afsr |
| Puppet_Fmt | 530 | 473 | Puppet Source Code ³ | text/x-puppet | PP | adSOURCECODE | afsr |
| Python_Fmt | 531 | 474 | Python Source Code ³ | text/x-python | PY | adSOURCECODE | afsr |
| R_Fmt | 532 | 475 | R Source Code ³ | text/x-rsrc | R | adSOURCECODE | afsr |
| Ruby_Fmt | 533 | 476 | Ruby Source Code ³ | text/x-ruby | RB | adSOURCECODE | afsr |
| Rust_Fmt | 534 | 477 | Rust Source Code ³ | text/x-rust | RS | adSOURCECODE | afsr |
| Scala_Fmt | 535 | 478 | Scala Source Code ³ | text/x-scala | SC | adSOURCECODE | afsr |
| Shell_Fmt | 536 | 479 | Shell Script ³ | application/x-sh | SH | adSOURCECODE | afsr |
| Smalltalk_Fmt | 537 | 480 | Smalltalk Source Code ³ | text/x-stsrc | ST | adSOURCECODE | afsr |
| ML_Fmt | 538 | 481 | Standard ML Source Code ³ | text/x-ml | ML | adSOURCECODE | afsr |
| Swift_Fmt | 539 | 482 | Swift Source Code ³ | text/x-swift | SWIFT | adSOURCECODE | afsr |
| Tcl_Fmt | 540 | 483 | Tool Command Language (Tcl) Source Code ³ | text/x-tcl | TM | adSOURCECODE | afsr |
| Tex_Fmt | 541 | 484 | TeX Typesetting File ³ | application/x-tex | | adSOURCECODE | afsr |
| TypeScript_Fmt | 542 | 485 | TypeScript Source Code ³ | text/x-typescript | TS | adSOURCECODE | afsr |
| Verilog_Fmt | 543 | 486 | Verilog Source Code ³ | text/x-verilog | V | adSOURCECODE | afsr |
| YAML_Fmt | 544 | 487 | YAML File ³ | text/x-yaml | YML | adSOURCECODE | afsr |
| Wiki_Fmt | 545 | 488 | MediaWiki File | text/x-mediawiki | | adWORDPROCESSOR | afsr |
| MS_Word_2007_Flat_XML_Fmt | 546 | 301 | Microsoft Word 2007 XML - Flat xml | text/xml | XML | adWORDPROCESSOR | mwxsr |
| Matroska_Fmt | 547 | 489 | Matroska video File | video/x-matroska | MKV | adMOVIE | |
| SVG_Fmt | 548 | 490 | Scalable Vector Graphics image | image/svg+xml | SVG | adVECTORGRAPHIC | xmlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|--------------------------|--------|----------|------------------------------------|-------------------------------|---------------|---------------|---------|
| Shapefile_Fmt | 549 | 491 | Shapefile | application/x-shapefile | SHP, SHX | adGIS | |
| Flash_Video_Fmt | 550 | 492 | Flash video File | video/x-flv | FLV | adMOVIE | |
| Embedded_OpenType_Fmt | 551 | 493 | Embedded OpenType font | application/vnd.ms-fontobject | EOT | adFONT | |
| Web_Open_Font_Fmt | 552 | 494 | Web Open Font Format | font/woff | WOFF, WOFF2 | adFONT | |
| OpenType_Fmt | 553 | 495 | OpenType Font | font/otf | OTF | adFONT | |
| MNG_Fmt | 554 | 496 | Multiple-image Network Graphics | video/x-mng | MNG | adANIMATION | |
| JNG_Fmt | 555 | 497 | JPEG Network Graphics | image/x-jng | JNG | adRASTERIMAGE | |
| AppleScript_Binary_Fmt | 556 | 498 | AppleScript Binary Source Code | | SCPT | adSOURCECODE | |
| Maya_Binary_Fmt | 557 | 499 | Autodesk Maya binary file | | MB | adCAD | |
| Jupiter_Tesselation_Fmt | 558 | 363 | UGS Jupiter Tesselation file | | JT | adCAD | |
| OGV_Fmt | 559 | 500 | Ogg Theora Video format | video/ogg | OGV | adMOVIE | |
| OGG_Container_Fmt | 560 | 501 | General Ogg Container format | application/ogg | OGG | adMISC | |
| GNU_Message_Catalog_Fmt | 561 | 502 | GNU Message Catalog format | | MO | adMISC | |
| Windows_Shortcut_Fmt | 562 | 503 | Windows shortcut file | application/x-ms-shortcut | LNK | adMISC | |
| Apple_Typedstream_Fmt | 563 | 504 | Apple/NeXT typedstream data format | | | adMISC | |
| XCF_Fmt | 564 | 505 | GIMP XCF image | image/x-xcf | XCF | adRASTERIMAGE | |
| PaintShop_Pro_Fmt | 565 | 506 | PaintShop Pro image | | PSP, PSPIMAGE | adRASTERIMAGE | |
| SQLite_Database_Fmt | 566 | 507 | SQLite database format | application/x-sqlite3 | QHC | adDATABASE | |
| MySQL_Table_Fmt | 567 | 508 | MySQL table definition file | | FRM | adDATABASE | |
| Microsoft_Program_DB_Fmt | 568 | 509 | Microsoft Program Database format | | PDB | adDATABASE | |
| OpenEXR_Fmt | 569 | 510 | OpenEXR image format | | EXR | adRASTERIMAGE | |
| XMV_Fmt | 570 | 511 | 4X Movie File | | 4XM | adMOVIE | |
| AMV_Fmt | 571 | 512 | AMV video file | | AMV | adMOVIE | |
| NIFF_Fmt | 572 | 513 | Notation Interchange File | | NIF | adSOUND | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------|--------|----------|--|----------------------------|-----------|-----------------|---------|
| | | | Format | | | | |
| CuBase_Fmt | 573 | 514 | Steinberg CuBase file | | | adSOUND | |
| SoundFont_Fmt | 574 | 515 | SoundFont file | | | adSOUND | |
| WebP_Fmt | 575 | 516 | WebP image | image/webp | WEBP | adRASTERIMAGE | |
| ICC_Fmt | 576 | 517 | International Color Consortium files | application/vnd.iccprofile | ICC, ICM | adMISC | |
| PCF_Fmt | 577 | 518 | X11 Portable Compiled Font file | application/x-font-pcf | PCF | adFONT | |
| WebM_Fmt | 578 | 519 | WebM video file | video/webm | WEBM | adMOVIE | |
| AMFF_Fmt | 579 | 520 | Amiga Metafile | | AMF | adVECTORGRAPHIC | |
| ANBM_Fmt | 580 | 521 | IFF Animated Bitmap | | | adRASTERIMAGE | |
| ANIM_Fmt | 581 | 522 | IFF Amiga animated raster graphics format | | | adRASTERIMAGE | |
| DEEP_Fmt | 582 | 523 | IFF-DEEP TVPaint image | | DEEP | adRASTERIMAGE | |
| FAXX_Fmt | 583 | 524 | IFF-FAXX Facsimile image | | | adRASTERIMAGE | |
| ICON_Fmt | 584 | 525 | IFF Glow Icon image | | | adRASTERIMAGE | |
| ILBM_Fmt | 585 | 526 | Interleaved BitMap image | | IFF | adRASTERIMAGE | |
| LWOB_Fmt | 586 | 527 | LightWave Object format | | LWOB | adMISC | |
| MAUD_Fmt | 587 | 528 | IFF-MAUD MacroSystem audio format | | | adSOUND | |
| PBM_Fmt | 588 | 529 | IFF Planar BitMap | | | adRASTERIMAGE | |
| TDDD_Fmt | 589 | 530 | IFF TDDD and Imagine Object animation format | | TDD | adRASTERIMAGE | |
| DjVu_Fmt | 590 | 531 | AT&T DjVu format | image/vnd.djvu | DJVU | adWORDPROCESSOR | |
| InDesign_Fmt | 591 | 532 | Adobe InDesign document | application/x-indesign | INDD | adDESKTOPPUBLSH | |
| Calamus_Fmt | 592 | 533 | Calamus Desktop Publishing | | | adDESKTOPPUBLSH | |
| Adaptive_MultiRate_Fmt | 593 | 534 | Adaptive Multi-Rate audio format | audio/amr | AMR | adSOUND | |
| FLAC_Fmt | 594 | 535 | Free Lossless Audio Codec format | audio/flac | FLAC | adSOUND | |
| Ogg_FLAC_Fmt | 595 | 536 | Ogg Container FLAC audio | | OGG | adSOUND | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------------|--------|----------|--|-----------------------|-----------|---------------|-------------------------|
| | | | format | | | | |
| SAS7BDAT_Fmt | 596 | 537 | SAS7BDAT database storage format | | SAS7BDAT | adDATABASE | |
| Design_Web_Format_Fmt | 597 | 538 | Autodesk Design Web Format | model/vnd.dwf | DWF | adCAD | |
| Adobe_Flash_Audio_Book_Fmt | 598 | 539 | Adobe Flash Player audio book | audio/mp4 | F4B | adSOUND | mpeg4sr |
| Adobe_Flash_Audio_Fmt | 599 | 540 | Adobe Flash Player audio | audio/mp4 | F4A | adSOUND | mpeg4sr |
| Adobe_Flash_Protected_Video_Fmt | 600 | 541 | Adobe Flash Player protected video | video/mp4 | F4P | adMOVIE | mpeg4sr |
| Adobe_Flash_Video_Fmt | 601 | 542 | Adobe Flash Player video | video/x-f4v | F4V | adMOVIE | mpeg4sr |
| Audible_Audiobook_Fmt | 602 | 543 | Audible Enhanced Audiobook | audio/vnd.audible.aax | AAX | adSOUND | mpeg4sr |
| Canon_Camera_Fmt | 603 | 544 | Canon Digital Camera image | | | adRASTERIMAGE | |
| Canon_Raw_Fmt | 604 | 545 | Canon Raw image | | CR3 | adRASTERIMAGE | |
| Casio_Camera_Fmt | 605 | 546 | Casio Digital Camera image | | | adRASTERIMAGE | |
| Convergent_Design_Fmt | 606 | 547 | Convergent Design file | | | adRASTERIMAGE | |
| DMB_MAF_Audio_Fmt | 607 | 548 | DMB MAF audio | | | adSOUND | |
| DMB_MAF_Video_Fmt | 608 | 549 | DMB MAF video | | | adMOVIE | |
| DMP_Content_Fmt | 609 | 550 | Digital Media Project Content Format | | | adMISC | |
| DVB_Fmt | 610 | 551 | Digital Video Broadcast format | video/vnd.dvb.file | DVB | adMOVIE | |
| Dirac_Wavelet_Compression_Fmt | 611 | 552 | ISO-BMFF Dirac Wavelet compression | | | adMISC | |
| HEICS_Image_Sequence_Fmt | 612 | 553 | High Efficiency Image Format HEVC image sequence | image/heic-sequence | HEICS | adRASTERIMAGE | |
| HEIC_Image_Fmt | 613 | 554 | High Efficiency Image Format HEVC image | image/heic | HEIC | adRASTERIMAGE | |
| HEIFS_Image_Sequence_Fmt | 614 | 555 | High Efficiency Image Format image sequence | image/heif-sequence | HEIFS | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------|--------|----------|--|-----------------|-----------|-----------------|---|
| HEIF_Image_Fmt | 615 | 556 | High Efficiency Image Format image | image/heif | HEIF | adRASTERIMAGE | |
| ISMACryp_Fmt | 616 | 557 | ISMACryp 2.0 Encrypted format | | | adENCAPSULATION | |
| ISO_3GPP2_Fmt | 617 | 558 | 3GPP2 video file | video/3gpp2 | 3G2 | adMOVIE | mpeg4sr |
| ISO_3GPP_Fmt | 618 | 559 | 3GPP video file | video/3gpp | 3GP | adMOVIE | mpeg4sr |
| ISO_JPEG2000_JP2_Fmt | 619 | 560 | ISO-BMFF JPEG 2000 image | image/jp2 | JP2 | adRASTERIMAGE | jp2000sr , kjpg2000rdr |
| ISO_JPEG2000_JPM_Fmt | 620 | 561 | ISO-BMFF JPEG 2000 compound image | image/jpm | JPM | adRASTERIMAGE | jp2000sr , kjpg2000rdr |
| ISO_JPEG2000_JPX_Fmt | 621 | 562 | ISO-BMFF JPEG 2000 with extensions | image/jpx | JPX | adRASTERIMAGE | jp2000sr , kjpg2000rdr |
| ISO_QuickTime_Fmt | 622 | 563 | Apple ISO-BMFF QuickTime video | video/quicktime | QT, MOV | adMOVIE | MCI |
| KDDI_Video_Fmt | 623 | 564 | KDDI Video file | video/3gpp2 | | adMOVIE | mpeg4sr |
| MAF_Photo_Player_Fmt | 624 | 565 | MAF Photo Player | | | adMISC | |
| MPEG4_AVC_Fmt | 625 | 566 | ISO-BMFF MPEG-4 with AVC extension | video/mp4 | | adMOVIE | mpeg4sr |
| MPEG4_M4A_Fmt | 626 | 567 | Apple MPEG-4 Part 14 audio | audio/x-m4a | M4A | adSOUND | mpeg4sr |
| MPEG4_M4B_Fmt | 627 | 568 | Apple MPEG-4 Part 14 audio book | audio/mp4 | M4B | adSOUND | mpeg4sr |
| MPEG4_M4P_Fmt | 628 | 569 | Apple MPEG-4 Part 14 protected audio | audio/mp4 | M4P | adSOUND | mpeg4sr |
| MPEG4_M4V_Fmt | 629 | 570 | Apple MPEG-4 Part 14 video | video/x-m4v | M4V | adMOVIE | mpeg4sr |
| MPEG4_Sony_PSP_Fmt | 630 | 571 | Sony PSP MPEG-4 | audio/mp4 | MP4 | adSOUND | mpeg4sr |
| MPEG_21_Fmt | 631 | 572 | MPEG-21 | audio/mp4 | | adMISC | mpeg4sr |
| Mobile_QuickTime_Fmt | 632 | 573 | Mobile QuickTime video | video/quicktime | MQV | adMOVIE | MCI |
| Motion_JPEG_2000_Fmt | 633 | 574 | Motion JPEG 2000 | video/mj2 | MJ2, MJP2 | adMOVIE | jp2000sr , kjpg2000rdr |
| NTT_MPEG4_Fmt | 634 | 575 | NTT MPEG-4 | video/mp4 | | adMOVIE | mpeg4sr |
| Nero_MPEG4_AVC_Profile | 635 | 576 | Nero MPEG-4 profile with AVC extension | video/mp4 | | adMOVIE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------------|--------|----------|--|------------------|-----------|---------------|---|
| Nero_MPEG4_Audio_Fmt | 636 | 577 | Nero AAC audio | audio/mp4 | | adSOUND | mpeg4sr |
| Nero_MPEG4_Profile | 637 | 578 | Nero MPEG-4 profile | video/mp4 | | adMOVIE | |
| OMA_DRM_Fmt | 638 | 579 | OMA DRM (ISOBMFF) Format | | | adMISC | |
| Panasonic_Camera_Fmt | 639 | 580 | Panasonic Digital Camera image | | | adRASTERIMAGE | |
| Ross_Video_Fmt | 640 | 581 | Ross video | | | adMOVIE | |
| SDA_Video_Fmt | 641 | 582 | SDA SD Memory Card video | | | adMOVIE | |
| Samsung_Stereoscopic_Fmt | 642 | 583 | Samsung stereoscopic stream | | | adMISC | |
| Sony_XAVC_Fmt | 643 | 584 | Sony XAVC video | | | adMOVIE | mpeg4sr |
| JPEG_2000_PGX_Fmt | 644 | 585 | JPEG 2000 PGX Verification Model image | | PGX | adRASTERIMAGE | jp2000sr , kpjp2000rdr |
| Apple_Desktop_Services_Store_Fmt | 645 | 586 | Apple Desktop Services Store file | | DS_Store | adMISC | |
| Core_Audio_Fmt | 646 | 587 | Apple Core Audio Format | audio/x-caf | CAF | adSOUND | |
| VICAR_Fmt | 647 | 588 | VICAR image format | | IMG | adRASTERIMAGE | |
| FITS_Fmt | 648 | 589 | Flexible Image Transport System FITS image | image/fits | FIT | adRASTERIMAGE | |
| DIF_Fmt | 649 | 590 | Digital Interface Format (DIF) DV video | | DV | adMOVIE | |
| MPEG_Transport_Stream_Fmt | 650 | 591 | MPEG Transport Stream data | video/MP2T | TS | adMISC | |
| MPEG_Sequence_Fmt | 651 | 592 | MPEG Sequence format | video/mpeg | | adMISC | |
| Ogg_OGM_Fmt | 652 | 593 | Ogg OGM video format | video/ogg | OGM | adMOVIE | |
| Ogg_Speex_Fmt | 653 | 594 | Ogg Speex audio format | audio/ogg | SPX | adSOUND | |
| Ogg_Opus_Fmt | 654 | 595 | Ogg Opus audio format | audio/ogg | OGG | adSOUND | |
| Musepack_Audio_Fmt | 655 | 596 | Musepack audio format | audio/x-musepack | MPC | adSOUND | |
| ART_Image_Fmt | 656 | 597 | ART image format | | ART | adRASTERIMAGE | |
| Vivo_Fmt | 657 | 598 | Vivo audio-video format | video/vnd.vivo | VIV | adMOVIE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------|--------|----------|--|----------------------|-----------|-----------------|---------|
| QCP_Fmt | 658 | 599 | Qualcomm QCP audio | audio/qcelp | QCP | adSOUND | |
| CSP_Codec_Fmt | 659 | 600 | Creative Signal Processor codec | | CSP | adMISC | |
| TwinVQ_Fmt | 660 | 601 | NTT TwinVQ audio format | | VQF | adSOUND | |
| Interplay_MVE_Fmt | 661 | 602 | Interplay MVE video format | | MVE | adMOVIE | |
| IRIX_Moviemaker_Fmt | 662 | 603 | IRIX Silicon Graphics moviemaker video file | video/x-sgi-movie | MV, MOVIE | adMOVIE | |
| Sega_FILM_Fmt | 663 | 604 | Sega FILM video format | | CPK, CAK | adMOVIE | |
| SMAF_Fmt | 664 | 605 | Synthetic music Mobile Application Format | application/vnd.smaf | MMF | adSOUND | |
| NIST_SPHERE_Fmt | 665 | 606 | NIST SPeech HEader REsources format | | NIST | adSOUND | |
| Chinese_AVS_Fmt | 666 | 607 | Chinese AVS video format | | | adMOVIE | |
| VQA_Fmt | 667 | 608 | Westwood Studios Vector Quantized Animation video file | | VQA | adANIMATION | |
| YAFA_Fmt | 668 | 609 | Wildfire YAFA animation | | YAFA | adANIMATION | |
| Origin_MVE_Fmt | 669 | 610 | Origin Wing Commander III MVE movie format | | MVE | adMOVIE | |
| BBC_Dirac_Fmt | 670 | 611 | BBC Dirac video format | video/x-dirac | DRC | adMOVIE | |
| Maya_ASCII_Fmt | 671 | 612 | Autodesk Maya ASCII file format | | MA | adCAD | |
| RenderMan_Fmt | 672 | 613 | Pixar RenderMan Interface Bytestream file | | RIB | adVECTORGRAPHIC | |
| NOFF_Binary_Fmt | 673 | 614 | NOFF 3D Object File Format | | NOFF | adVECTORGRAPHIC | |
| VTK_ASCII_Fmt | 674 | 615 | Visualization Toolkit VTK ASCII format | | VTK | adVECTORGRAPHIC | |
| VTK_Binary_Fmt | 675 | 616 | Visualization Toolkit VTK Binary format | | VTK | adVECTORGRAPHIC | |
| Wolfram_CDF_Fmt | 676 | 617 | Wolfram Mathematica Computable Document Format | application/cdf | CDF | adMISC | |
| Wolfram_Notebook_Fmt | 677 | 618 | Wolfram Mathematica | | NB | adMISC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------------|--------|----------|--|-----------------------------------|-----------|-----------------|---------|
| | | | Notebook Format | | | | |
| HDF4_Fmt | 678 | 619 | Hierarchical Data Format HDF4 | application/x-hdf | HDF, H4 | adMISC | |
| HDF5_Fmt | 679 | 620 | Hierarchical Data Format HDF5 | application/x-hdf | HDF, H5 | adMISC | |
| ARMovie_Fmt | 680 | 621 | Acorn RISC ARMovie video format | | RPL | adMOVIE | |
| Windows_TV_DVR_Fmt | 681 | 622 | Windows Television DVR format | | WTV | adMOVIE | |
| InstallShield_Z_Fmt | 682 | 623 | InstallShield Z archive format | application/x-compress | Z | adENCAPSULATION | |
| MS_DirectDraw_ Surface_Fmt | 683 | 624 | Microsoft DirectDraw Surface container format | | DDS | adENCAPSULATION | |
| Bink_Fmt | 684 | 625 | Bink audio-video container format | | BIK, BK2 | adMOVIE | |
| LZMA_Fmt | 685 | 626 | LZMA compressed data format | application/x-lzma | LZMA | adENCAPSULATION | |
| True_Audio_Fmt | 686 | 627 | True Audio format | audio/x-tta | TTA | adSOUND | |
| Keepass_Fmt | 687 | 628 | Keepass Password file | | KDB, KDBX | adMISC | |
| RPM_Fmt | 688 | 629 | RPM Package Manager file | application/x-rpm | RPM | adENCAPSULATION | |
| Printer_Font_Metrics_ Fmt | 689 | 630 | Adobe Printer Font Metrics format | application/x-font-printer-metric | PFM | adFONT | |
| Adobe_Font_Metrics_ Fmt | 690 | 631 | Adobe Font Metrics ASCII format | application/x-font-adobe-metric | AFM | adFONT | |
| Printer_Font_ASCII_Fmt | 691 | 632 | Adobe Printer Font ASCII format | application/x-font-type1 | PFA | adFONT | |
| Netware_Loadable_ Module_Fmt | 692 | 633 | Netware Loadable Module format | | NLM | adMISC | |
| TCPdump_pcap_Fmt | 693 | 634 | TCPdump packet stream capture savefile format | application/vnd.tcpdump.pcap | PCAP | adMISC | |
| Multiple_Master_Font_ Fmt | 694 | 635 | Adobe Multiple master font format | | MMM | adFONT | |
| TrueType_Font_ Collection_Fmt | 695 | 636 | TrueType font collection format | application/x-font-ttf | TTC | adFONT | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------------|--------|----------|--|-----------------------------------|--------------------|-----------------|---------|
| Shapefile_Spatial_Index_Fmt | 696 | 637 | Shapefile binary spatial index format | application/x-shapefile | SBX, SBN | adGIS | |
| Java_Key_Store_Fmt | 697 | 638 | Java Key Store format | application/x-java-keystore | KS | adMISC | |
| Java_JCE_Key_Store_Fmt | 698 | 639 | Java JCE Key Store format | application/x-java-jce-keystore | | adMISC | |
| Quark_Xpress_Intel_Fmt | 699 | 640 | QuarkXPress Intel format | application/vnd.quark.quarkxpress | QXB | adDESKTOPPUBLSH | |
| Windows_Imaging_Fmt | 700 | 641 | Microsoft Windows Imaging Format WIM | | WIM | adMISC | |
| VMware_Virtual_Disk_Fmt | 701 | 642 | VMware Virtual Disk Format 5.0 | application/x-vmrk | VMDK | adMISC | |
| XPCConnect_Typelib_Fmt | 702 | 643 | XPCConnect Typelib Format | | XPT | adMISC | |
| MS_DOS_Compression_Fmt | 703 | 644 | Microsoft MS-DOS installation compression (SZDD, KWAJ) | application/x-ms-compress | EX_ | adENCAPSULATION | |
| DLS_Fmt | 704 | 645 | DLS Downloadable Sounds format | | DLS | adSOUND | |
| MS_Windows_Registry_Fmt | 705 | 646 | Microsoft Windows Registry format | | | adMISC | |
| Microsoft_Help_2_Fmt | 706 | 647 | Microsoft Help 2.0 format | application/x-ms-reader | HXD, HXW, HXH | adENCAPSULATION | |
| Qt_Translation_Fmt | 707 | 648 | Qt binary translation file format | | QM | adMISC | |
| PEM_SSL_Certificate_Fmt | 708 | 649 | PEM-encoded SSL certificate | application/pkix-cert | CRT, PEM, CER, KEY | adENCAPSULATION | |
| PostScript_Printer_Description_Fmt | 709 | 650 | Adobe PostScript Printer Description file | application/vnd.cups-ppd | PPD | adMISC | |
| Speedo_Font_Fmt | 710 | 651 | Speedo Font format | | SPD | adFONT | |
| InstallShield_Cabinet_Fmt | 711 | 652 | InstallShield Cabinet Archive format | | CAB, HDR | adENCAPSULATION | |
| InstallShield_Uninstall_Fmt | 712 | 653 | InstallShield Uninstall format | | ISU | adENCAPSULATION | |
| MS_OEDBX_Folder_Fmt | 713 | 654 | Outlook Express DBX folder database format | | DBX | adENCAPSULATION | |
| LabVIEW_Fmt | 714 | 655 | National Instruments LabVIEW file format | | VI | adMISC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|---------------------------------------|------------------------------|-----------|-----------------|---------|
| SAP_Archive_SAR_Fmt | 715 | 656 | SAP compression archive SAR format | | SAR | adENCAPSULATION | |
| Netscape_Address_Book_Fmt | 716 | 657 | Netscape Address Book format | | NAB | adMISC | |
| Universal_3D_Fmt | 717 | 658 | Universal 3D file format | | U3D | adVECTORGRAPHIC | |
| Open_Inventor_ASCII_Fmt | 718 | 659 | Open Inventor ASCII format | | IV | adVECTORGRAPHIC | |
| Open_Inventor_Binary_Fmt | 719 | 660 | Open Inventor Binary format | | IV | adVECTORGRAPHIC | |
| X_Window_Dump_Fmt | 720 | 661 | X Window Dump image | image/x-xwindowdump | XWD | adRASTERIMAGE | |
| Git_Packfile_Fmt | 721 | 662 | Git Packfile format | | PACK | adENCAPSULATION | |
| Xara_Xar_Fmt | 722 | 663 | Xara X Xar image format | application/vnd.xara | XAR | adVECTORGRAPHIC | |
| Internet_Archive_ARC_Fmt | 723 | 664 | Internet Archive ARC format | application/x-ia-arc | ARC | adENCAPSULATION | |
| Applix_Builder_Fmt | 724 | 665 | Applix Builder format | | AB | adMISC | |
| Applix_Bitmap_Fmt | 725 | 666 | Applix Bitmap image format | | IM | adRASTERIMAGE | |
| PEM_RSA_Private_Key_Fmt | 726 | 667 | PEM-encoded RSA private key | | PEM | adENCAPSULATION | |
| MIFF_Fmt | 727 | 668 | Magick Image File Format | | MIFF | adRASTERIMAGE | |
| Subversion_Dump_Fmt | 728 | 669 | Subversion Dump format | | | adENCAPSULATION | |
| Virtual_Hard_Disk_Fmt | 729 | 670 | Microsoft Virtual Hard Disk format | application/x-vhd | VHD | adENCAPSULATION | |
| Direct_Access_Archive_Fmt | 730 | 671 | PowerISO Direct Access Archive format | | DAA | adENCAPSULATION | |
| Debian_Binary_Fmt | 731 | 672 | Debian binary package format | application/x-debian-package | DEB | adENCAPSULATION | |
| XUL_Fastload_Fmt | 732 | 673 | Mozilla XUL Fastload format | | MFL | adMISC | |
| Nastran_OP2_Fmt | 733 | 674 | Nastran OP2 format | | OP2 | adCAD | |
| Binary_Logging_Fmt | 734 | 675 | CAD Binary Logging Format | | BLF | adCAD | |
| Measurement_Data_Fmt | 735 | 676 | CAD Measurement Data Format | | MDF | adCAD | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------------|--------|----------|---|----------------|-----------|--------------|------------------------|
| Abaqus_ODB_Fmt | 736 | 677 | Abaqus ODB Format | | ODB | adCAD | |
| Open_Diagnostic_Data_Exchange_Fmt | 737 | 678 | Vector Open Diagnostic Data Exchange format | | ODX | adCAD | xmlsr |
| Vector_ASCII_Fmt | 738 | 679 | Vector CAD ASCII ASC format | | ASC | adCAD | |
| LSDYNA_State_Database_Fmt | 739 | 680 | LS-DYNA State Database format | | | adCAD | |
| LSDYNA_Binary_Output_Fmt | 740 | 681 | LS-DYNA binary output (binout) format | | | adCAD | |
| MS_Power_BI_Fmt | 741 | 682 | Microsoft Power BI Desktop format | | PBIX | adANALYTICS | pbixsr |
| Tableau_Workbook_Fmt | 742 | 683 | Tableau Workbook format | | TWB | adANALYTICS | xmlsr |
| Tableau_Packaged_Workbook_Fmt | 743 | 684 | Tableau Packaged Workbook format | | TWBX | adANALYTICS | unzip |
| Tableau_Extract_Fmt | 744 | 685 | Tableau Extract format | | TDE | adANALYTICS | |
| Tableau_Data_Source_Fmt | 745 | 686 | Tableau Data Source format | | TDS | adANALYTICS | xmlsr |
| Tableau_Packaged_Data_Source_Fmt | 746 | 687 | Tableau Packaged Data Source format | | TDSX | adANALYTICS | unzip |
| Tableau_Preferences_Fmt | 747 | 688 | Tableau Preferences format | | TPS | adANALYTICS | xmlsr |
| Tableau_Map_Source_Fmt | 748 | 689 | Tableau Map Source format | | TMS | adANALYTICS | xmlsr |
| ABAP_Fmt | 749 | 690 | ABAP Source Code ⁴ | text/x-abap | ABAP | adSOURCECODE | afsr |
| AMPL_Fmt | 750 | 691 | AMPL Source Code ⁴ | | AMPL | adSOURCECODE | afsr |
| APL_Fmt | 751 | 692 | APL Source Code ⁴ | | APL | adSOURCECODE | afsr |
| ASN1_Fmt | 752 | 693 | ASN.1 Source Code ⁴ | | ASN | adSOURCECODE | afsr |
| ATS_Fmt | 753 | 694 | ATS Source Code ⁴ | | | adSOURCECODE | afsr |
| Agda_Fmt | 754 | 695 | Agda Source Code ⁴ | text/x-agda | AGDA | adSOURCECODE | afsr |
| Alloy_Fmt | 755 | 696 | Alloy Source Code ⁴ | text/x-alloy | ALS | adSOURCECODE | afsr |
| Apex_Fmt | 756 | 697 | Apex Source Code ⁴ | | CLS | adSOURCECODE | afsr |
| Arduino_Fmt | 757 | 698 | Arduino Source Code ⁴ | text/x-arduino | INO | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|---|-------------------------|--------------------|--------------|----------------------|
| AsciiDoc_Fmt | 758 | 699 | AsciiDoc Source Code ⁴ | text/x-asciidoc | ASC | adSOURCECODE | afsr |
| AspectJ_Fmt | 759 | 700 | AspectJ Source Code ⁴ | text/x-aspectj | AJ | adSOURCECODE | afsr |
| Awk_Fmt | 760 | 701 | Awk Source Code ⁴ | text/x-awk | AWK | adSOURCECODE | afsr |
| BlitzMax_Fmt | 761 | 702 | BlitzMax Source Code ⁴ | text/x-bmx | BMX | adSOURCECODE | afsr |
| Bluespec_Fmt | 762 | 703 | Bluespec Source Code ⁴ | | BSV | adSOURCECODE | afsr |
| Brainfuck_Fmt | 763 | 704 | Brainfuck Source Code ⁴ | text/x-brainfuck | B, BF | adSOURCECODE | afsr |
| Brightscript_Fmt | 764 | 705 | Brightscript Source Code ⁴ | | BRS | adSOURCECODE | afsr |
| CLIPS_Fmt | 765 | 706 | CLIPS Source Code ⁴ | | CLP | adSOURCECODE | afsr |
| CMake_Fmt | 766 | 707 | CMake Source Code ⁴ | text/x-cmake | CMAKE | adSOURCECODE | afsr |
| COBOL_Fmt | 767 | 708 | COBOL Source Code ⁴ | text/x-cobol | CBL, CCP, COB, CPY | adSOURCECODE | afsr |
| CWeb_Fmt | 768 | 709 | CWeb Source Code ⁴ | | W | adSOURCECODE | afsr |
| CartoCSS_Fmt | 769 | 710 | CartoCSS Source Code ⁴ | | MSS | adSOURCECODE | afsr |
| Ceylon_Fmt | 770 | 711 | Ceylon Source Code ⁴ | text/x-ceylon | CEYLON | adSOURCECODE | afsr |
| Chapel_Fmt | 771 | 712 | Chapel Source Code ⁴ | | CHPL | adSOURCECODE | afsr |
| Clarion_Fmt | 772 | 713 | Clarion Source Code ⁴ | | CLW | adSOURCECODE | afsr |
| Clean_Fmt | 773 | 714 | Clean Source Code ⁴ | | DCL, ICL | adSOURCECODE | afsr |
| Component_Pascal_Fmt | 774 | 715 | Component Pascal Source Code ⁴ | text/x-component-pascal | CP | adSOURCECODE | afsr |
| Cool_Fmt | 775 | 716 | Cool Source Code ⁴ | | CL | adSOURCECODE | afsr |
| Coq_Fmt | 776 | 717 | Coq Source Code ⁴ | text/x-coq | V | adSOURCECODE | afsr |
| Creole_Fmt | 777 | 718 | Creole Source Code ⁴ | | CREOLE | adSOURCECODE | afsr |
| Crystal_Fmt | 778 | 719 | Crystal Source Code ⁴ | | CR | adSOURCECODE | afsr |
| Csound_Fmt | 779 | 720 | Csound Source Code ⁴ | | ORC | adSOURCECODE | afsr |
| Csound_Document_Fmt | 780 | 721 | Csound Document Source Code ⁴ | | CSD | adSOURCECODE | afsr |
| Cuda_Fmt | 781 | 722 | Cuda Source Code ⁴ | text/x-cuda | CU | adSOURCECODE | afsr |
| D_Fmt | 782 | 723 | D Source Code ⁴ | text/x-d | DCL, ICL | adSOURCECODE | afsr |
| DIGITAL_Command_Language_Fmt | 783 | 724 | DIGITAL Command Language Source Code ⁴ | | COM | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--|----------------------|------------|--------------|----------------------|
| DTrace_Fmt | 784 | 725 | DTrace Source Code ⁴ | | D | adSOURCECODE | afsr |
| Dart_Fmt | 785 | 726 | Dart Source Code ⁴ | text/x-dart | DART | adSOURCECODE | afsr |
| E_Fmt | 786 | 727 | E Source Code ⁴ | | E | adSOURCECODE | afsr |
| ECL_Fmt | 787 | 728 | ECL Source Code ⁴ | application/x-ecl | ECL | adSOURCECODE | afsr |
| Elm_Fmt | 788 | 729 | Elm Source Code ⁴ | text/x-elm | ELM | adSOURCECODE | afsr |
| Emacs_Lisp_Fmt | 789 | 730 | Emacs Lisp Source Code ⁴ | text/x-emacs-lisp | EL | adSOURCECODE | afsr |
| EmberScript_Fmt | 790 | 731 | EmberScript Source Code ⁴ | | EM | adSOURCECODE | afsr |
| Fantom_Fmt | 791 | 732 | Fantom Source Code ⁴ | application/x-fantom | FAN | adSOURCECODE | afsr |
| Forth_Fmt | 792 | 733 | Forth Source Code ⁴ | text/x-forth | FOR, FORTH | adSOURCECODE | afsr |
| FreeMarker_Fmt | 793 | 734 | FreeMarker Source Code ⁴ | | FTL | adSOURCECODE | afsr |
| Frege_Fmt | 794 | 735 | Frege Source Code ⁴ | | FR | adSOURCECODE | afsr |
| G_code_Fmt | 795 | 736 | G-code Source Code ⁴ | | G | adSOURCECODE | afsr |
| GAMS_Fmt | 796 | 737 | GAMS Source Code ⁴ | | GMS | adSOURCECODE | afsr |
| GAP_Fmt | 797 | 738 | GAP Source Code ⁴ | | | adSOURCECODE | afsr |
| GDScript_Fmt | 798 | 739 | GDScript Source Code ⁴ | | GD | adSOURCECODE | afsr |
| GLSL_Fmt | 799 | 740 | GLSL Source Code ⁴ | text/x-glslsrc | GLSL | adSOURCECODE | afsr |
| Game_Maker_Language_Fmt | 800 | 741 | Game Maker Language Source Code ⁴ | | GML | adSOURCECODE | afsr |
| Gnuplot_Fmt | 801 | 742 | Gnuplot Source Code ⁴ | text/x-gnuplot | GNU, GP | adSOURCECODE | afsr |
| Golo_Fmt | 802 | 743 | Golo Source Code ⁴ | | GOLO | adSOURCECODE | afsr |
| Gosu_Fmt | 803 | 744 | Gosu Source Code ⁴ | text/x-gosu | GS | adSOURCECODE | afsr |
| Gradle_Fmt | 804 | 745 | Gradle Source Code ⁴ | | GRADLE | adSOURCECODE | afsr |
| GraphQL_Fmt | 805 | 746 | GraphQL Source Code ⁴ | | GRAPHQL | adSOURCECODE | afsr |
| Graphviz_DOT_Fmt | 806 | 747 | Graphviz (DOT) Source Code ⁴ | | DOT | adSOURCECODE | afsr |
| HLSL_Fmt | 807 | 748 | HLSL Source Code ⁴ | | HLSL | adSOURCECODE | afsr |
| Hack_Fmt | 808 | 749 | Hack Source Code ⁴ | | | adSOURCECODE | afsr |
| HamI_Fmt | 809 | 750 | HamI Source Code ⁴ | text/x-haml | HAML | adSOURCECODE | afsr |
| Handlebars_Fmt | 810 | 751 | Handlebars Source Code ⁴ | | HBS | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------|--------|----------|--|-------------------|------------|--------------|----------------------|
| Hy_Fmt | 811 | 752 | Hy Source Code ⁴ | text/x-hy | HY | adSOURCECODE | afsr |
| IDL_Fmt | 812 | 753 | IDL Source Code ⁴ | text/x-idl | PRO | adSOURCECODE | afsr |
| IGOR_Pro_Fmt | 813 | 754 | IGOR Pro Source Code ⁴ | text/ipf | IPF | adSOURCECODE | afsr |
| Idris_Fmt | 814 | 755 | Idris Source Code ⁴ | text/x-idris | IDR | adSOURCECODE | afsr |
| Inform_7_Fmt | 815 | 756 | Inform 7 Source Code ⁴ | | I7X | adSOURCECODE | afsr |
| loke_Fmt | 816 | 757 | loke Source Code ⁴ | text/x-iokesrc | IK | adSOURCECODE | afsr |
| Isabelle_Fmt | 817 | 758 | Isabelle Source Code ⁴ | text/x-isabelle | | adSOURCECODE | afsr |
| J_Fmt | 818 | 759 | J Source Code ⁴ | text/x-j | IJS | adSOURCECODE | afsr |
| JSONiq_Fmt | 819 | 760 | JSONiq Source Code ⁴ | | JQ | adSOURCECODE | afsr |
| JSX_Fmt | 820 | 761 | JSX Source Code ⁴ | | JSX | adSOURCECODE | afsr |
| Jasmin_Fmt | 821 | 762 | Jasmin Source Code ⁴ | | J | adSOURCECODE | afsr |
| Jolie_Fmt | 822 | 763 | Jolie Source Code ⁴ | | | adSOURCECODE | afsr |
| Julia_Fmt | 823 | 764 | Julia Source Code ⁴ | text/x-julia | JL | adSOURCECODE | afsr |
| KiCad_Layout_Fmt | 824 | 765 | KiCad Layout Source Code ⁴ | | | adSOURCECODE | afsr |
| KiCad_Schematic_Fmt | 825 | 766 | KiCad Schematic Source Code ⁴ | | SCH | adSOURCECODE | afsr |
| Kotlin_Fmt | 826 | 767 | Kotlin Source Code ⁴ | | KT | adSOURCECODE | afsr |
| LFE_Fmt | 827 | 768 | LFE Source Code ⁴ | text/x-kotlin | LFE | adSOURCECODE | afsr |
| LOLCODE_Fmt | 828 | 769 | LOLCODE Source Code ⁴ | | LOL | adSOURCECODE | afsr |
| Lasso_Fmt | 829 | 770 | Lasso Source Code ⁴ | text/x-lasso | LAS, LASSO | adSOURCECODE | afsr |
| Limbo_Fmt | 830 | 771 | Limbo Source Code ⁴ | text/limbo | | adSOURCECODE | afsr |
| LiveScript_Fmt | 831 | 772 | LiveScript Source Code ⁴ | text/x-livescript | LS | adSOURCECODE | afsr |
| M_Fmt | 832 | 773 | M Source Code ⁴ | | M | adSOURCECODE | afsr |
| MAXScript_Fmt | 833 | 774 | MAXScript Source Code ⁴ | | MS | adSOURCECODE | afsr |
| Markdown_Fmt | 834 | 775 | Markdown Source Code ⁴ | | MD | adSOURCECODE | afsr |
| Matlab_Fmt | 835 | 463 | Matlab Source Code ⁴ | text/x-matlab | M | adSOURCECODE | afsr |
| Max_Code_Fmt | 836 | 776 | Max Source Code ⁴ | | MXT | adSOURCECODE | afsr |
| Mercury_Fmt | 837 | 777 | Mercury Source Code ⁴ | | | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------|--------|----------|--|-------------------|-----------|--------------|----------------------|
| Modelica_Fmt | 838 | 778 | Modelica Source Code ⁴ | text/x-modelica | MO | adSOURCECODE | afsr |
| Modula_2_Fmt | 839 | 779 | Modula-2 Source Code ⁴ | text/x-modula2 | MOD | adSOURCECODE | afsr |
| Monkey_Fmt | 840 | 780 | Monkey Source Code ⁴ | text/x-monkey | MONKEY | adSOURCECODE | afsr |
| Moocode_Fmt | 841 | 781 | Moocode Source Code ⁴ | text/x-moocode | MOO | adSOURCECODE | afsr |
| NL_Fmt | 842 | 782 | NL Source Code ⁴ | | NL | adSOURCECODE | afsr |
| NSIS_Fmt | 843 | 783 | NSIS Source Code ⁴ | text/x-nsis | NSI | adSOURCECODE | afsr |
| NetLogo_Fmt | 844 | 784 | NetLogo Source Code ⁴ | | NLOGO | adSOURCECODE | afsr |
| NewLisp_Fmt | 845 | 785 | NewLisp Source Code ⁴ | text/x-newlisp | NL | adSOURCECODE | afsr |
| Nginx_Fmt | 846 | 786 | Nginx Source Code ⁴ | text/x-nginx-conf | VHOST | adSOURCECODE | afsr |
| Nix_Fmt | 847 | 787 | Nix Source Code ⁴ | text/x-nix | NIX | adSOURCECODE | afsr |
| Nu_Fmt | 848 | 788 | Nu Source Code ⁴ | | NU | adSOURCECODE | afsr |
| OCaml_Fmt | 849 | 789 | OCaml Source Code ⁴ | text/x-ocaml | | adSOURCECODE | afsr |
| OpenCL_Fmt | 850 | 790 | OpenCL Source Code ⁴ | | CL | adSOURCECODE | afsr |
| OpenEdge_ABL_Fmt | 851 | 791 | OpenEdge ABL Source Code ⁴ | text/x-openedge | | adSOURCECODE | afsr |
| OpenSCAD_Fmt | 852 | 792 | OpenSCAD Source Code ⁴ | | SCAD | adSOURCECODE | afsr |
| Ox_Fmt | 853 | 793 | Ox Source Code ⁴ | | OX | adSOURCECODE | afsr |
| Oxygene_Fmt | 854 | 794 | Oxygene Source Code ⁴ | | OXYGENE | adSOURCECODE | afsr |
| Oz_Fmt | 855 | 795 | Oz Source Code ⁴ | | OZ | adSOURCECODE | afsr |
| PAWN_Fmt | 856 | 796 | PAWN Source Code ⁴ | text/x-pawn | PWN | adSOURCECODE | afsr |
| PLpgSQL_Fmt | 857 | 797 | PLpgSQL Source Code ⁴ | text/x-plpgsql | PLSQL | adSOURCECODE | afsr |
| Pan_Fmt | 858 | 798 | Pan Source Code ⁴ | | PAN | adSOURCECODE | afsr |
| Parrot_Assembly_Fmt | 859 | 799 | Parrot Assembly Source Code ⁴ | | PASM | adSOURCECODE | afsr |
| PicoLisp_Fmt | 860 | 800 | PicoLisp Source Code ⁴ | | | adSOURCECODE | afsr |
| Pike_Fmt | 861 | 801 | Pike Source Code ⁴ | text/x-pike | PIKE | adSOURCECODE | afsr |
| Pony_Fmt | 862 | 802 | Pony Source Code ⁴ | | PONY | adSOURCECODE | afsr |
| Processing_Fmt | 863 | 803 | Processing Source Code ⁴ | | PDE | adSOURCECODE | afsr |
| PureBasic_Fmt | 864 | 804 | PureBasic Source Code ⁴ | | PB | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|--------------------|--------|----------|---|--------------------------|------------|--------------|----------------------|
| QMake_Fmt | 865 | 805 | QMake File ⁴ | | | adSOURCECODE | afsr |
| RAML_Fmt | 866 | 806 | RAML Source Code ⁴ | | RAML | adSOURCECODE | afsr |
| RDoc_Fmt | 867 | 807 | RDoc Source Code ⁴ | | RDOC | adSOURCECODE | afsr |
| REXX_Fmt | 868 | 808 | REXX Source Code ⁴ | text/x-rexx | REXX | adSOURCECODE | afsr |
| Racket_Fmt | 869 | 809 | Racket Source Code ⁴ | text/x-racket | | adSOURCECODE | afsr |
| Ragel_Fmt | 870 | 810 | Ragel Source Code ⁴ | | | adSOURCECODE | afsr |
| Rascal_Fmt | 871 | 811 | Rascal Source Code ⁴ | | RSC | adSOURCECODE | afsr |
| Rebol_Fmt | 872 | 812 | Rebol Source Code ⁴ | text/x-rebol | REB, REBOL | adSOURCECODE | afsr |
| Red_Fmt | 873 | 813 | Red Source Code ⁴ | text/x-red | RED | adSOURCECODE | afsr |
| RenPy_Fmt | 874 | 814 | Ren'Py Source Code ⁴ | | RPY | adSOURCECODE | afsr |
| RenderScript_Fmt | 875 | 815 | RenderScript Source Code ⁴ | | RS | adSOURCECODE | afsr |
| Ring_Fmt | 876 | 816 | Ring Source Code ⁴ | | RING | adSOURCECODE | afsr |
| RobotFramework_Fmt | 877 | 817 | RobotFramework Source Code ⁴ | text/x-robotframework | ROBOT | adSOURCECODE | afsr |
| SAS_Fmt | 878 | 818 | SAS Source Code ⁴ | | SAS | adSOURCECODE | afsr |
| SPARQL_Fmt | 879 | 819 | SPARQL format ⁴ | application/sparql-query | | adSOURCECODE | afsr |
| SQL_Fmt | 880 | 820 | SQL format ⁴ | text/x-sql | | adSOURCECODE | afsr |
| SQLPL_Fmt | 881 | 821 | SQLPL Source Code ⁴ | | | adSOURCECODE | afsr |
| SaltStack_Fmt | 882 | 822 | SaltStack Source Code ⁴ | | SLS | adSOURCECODE | afsr |
| Scheme_Fmt | 883 | 823 | Scheme Source Code ⁴ | text/x-scheme | | adSOURCECODE | afsr |
| Scilab_Fmt | 884 | 824 | Scilab Source Code ⁴ | text/scilab | SCI | adSOURCECODE | afsr |
| Squirrel_Fmt | 885 | 825 | Squirrel Source Code ⁴ | | NUT | adSOURCECODE | afsr |
| Stan_Fmt | 886 | 826 | Stan Source Code ⁴ | | STAN | adSOURCECODE | afsr |
| Stata_Fmt | 887 | 827 | Stata Source Code ⁴ | | | adSOURCECODE | afsr |
| Stylus_Fmt | 888 | 828 | Stylus Source Code ⁴ | | STYL | adSOURCECODE | afsr |
| SuperCollider_Fmt | 889 | 829 | SuperCollider Source Code ⁴ | text/supercollider | SC | adSOURCECODE | afsr |
| SystemVerilog_Fmt | 890 | 830 | SystemVerilog Source Code ⁴ | text/x-systemverilog | SV | adSOURCECODE | afsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------|--------|----------|--|------------------------------|-----------|-----------------|-----------------------|
| TXL_Fmt | 891 | 831 | TXL Source Code ⁴ | | TXL | adSOURCECODE | afsr |
| Turing_Fmt | 892 | 832 | Turing Source Code ⁴ | | T | adSOURCECODE | afsr |
| Turtle_Fmt | 893 | 833 | Turtle Source Code ⁴ | text/turtle | TTL | adSOURCECODE | afsr |
| UrWeb_Fmt | 894 | 834 | UrWeb Source Code ⁴ | | UR, URS | adSOURCECODE | afsr |
| Vim_script_Fmt | 895 | 835 | Vim script File ⁴ | text/x-vim | VIM | adSOURCECODE | afsr |
| Visual_Basic_Fmt | 896 | 836 | Visual Basic Source Code ⁴ | text/x-vbasic | VB | adSOURCECODE | afsr |
| WebAssembly_Fmt | 897 | 837 | WebAssembly Source Code ⁴ | | WAT | adSOURCECODE | afsr |
| WebIDL_Fmt | 898 | 838 | WebIDL Source Code ⁴ | | WEBIDL | adSOURCECODE | afsr |
| X10_Fmt | 899 | 839 | X10 Source Code ⁴ | text/x-x10 | X10 | adSOURCECODE | afsr |
| XQuery_Fmt | 900 | 840 | XQuery Source Code ⁴ | text/xquery | XQM | adSOURCECODE | afsr |
| Xojo_Fmt | 901 | 841 | Xojo Source Code ⁴ | | | adSOURCECODE | afsr |
| Xtend_Fmt | 902 | 842 | Xtend Source Code ⁴ | text/x-xtend | XTEND | adSOURCECODE | afsr |
| YANG_Fmt | 903 | 843 | YANG Source Code ⁴ | | YANG | adSOURCECODE | afsr |
| Zephir_Fmt | 904 | 844 | Zephir Source Code ⁴ | | ZEP | adSOURCECODE | afsr |
| eC_Fmt | 905 | 845 | eC Source Code ⁴ | text/x-ecsrc | EC | adSOURCECODE | afsr |
| reStructuredText_Fmt | 906 | 846 | reStructuredText Source Code ⁴ | text/x-rst | | adSOURCECODE | afsr |
| xBase_Fmt | 907 | 847 | xBase Source Code ⁴ | | | adSOURCECODE | afsr |
| Windows_Installer_Fmt | 908 | 848 | MSI Windows Installer format | application/x-ole-storage | MSI | adENCAPSULATION | olesr |
| Autodesk_3ds_Max_Fmt | 909 | 849 | Autodesk 3ds Max format | | MAX | adCAD | |
| PhotoDraw_Mix_Fmt | 910 | 850 | PhotoDraw MIX image | image/vnd.mix | MIX | adRASTERIMAGE | |
| Softimage_SCN_Fmt | 911 | 851 | Softimage Scene SCN format | | SCN | adCAD | |
| Parasolid_XT_Fmt | 912 | 852 | Parasolid ascii XT format | | X_T | adCAD | |
| Parasolid_XB_Fmt | 913 | 853 | Parasolid binary XB format | | X_B | adCAD | |
| IGES_Fmt | 914 | 854 | Initial Graphics Exchange Specification format | model/iges | IGS | adCAD | |
| ACE_Archive_Fmt | 915 | 855 | ACE archive format | application/x-ace-compressed | ACE | adENCAPSULATION | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------------|--------|----------|--|---|-----------|-----------------|-----------------------|
| Grasshopper_GHX_Fmt | 916 | 856 | Grasshopper GHX format | | GHX | adCAD | xmlsr |
| MS_FrontPage_Macro_Fmt | 917 | 857 | Microsoft FrontPage macro file format | | FPM | adWORDPROCESSOR | |
| MS_AtWork_Fax_Fmt | 918 | 858 | Microsoft AtWork Fax format | | AWD | adFAXFORMAT | |
| MS_Image_Composer_Fmt | 919 | 859 | Microsoft Image Composer format | | MIC | adRASTERIMAGE | |
| MS_Visual_InterDev_Fmt | 920 | 860 | Microsoft Visual InterDev web project items file | | WDM | adMISC | |
| Macromedia_Flash_FLA_OLE_Fmt | 921 | 861 | Macromedia Flash FLA Project File OLE format | | FLA | adWORDPROCESSOR | |
| Corel_Draw_X4_Fmt | 922 | 862 | CorelDRAW version X4 onwards | application/x-vnd.corel.zcf.draw.document+zip | CDRX | adVECTORGRAPHIC | |
| Ogg_Daala_Fmt | 923 | 863 | Ogg Daala video format | video/daala | OGV | adMOVIE | |
| Ogg_BBC_Dirac_Fmt | 924 | 864 | Ogg BBC Dirac video format | video/x-dirac | OGV | adMOVIE | |
| PKCS_7_Fmt | 925 | 865 | PKCS #7 cryptographic format | application/pkcs7-signature | P7S | adWORDPROCESSOR | |
| Time_Stamped_Data_Fmt | 926 | 866 | Time-stamped data format | application/timestamped-data | TSD | adENCAPSULATION | |
| Sereal_Fmt | 927 | 867 | Sereal data serialization format | application/sereal | SRL | adMISC | |
| Associated_Signature_Simple_Fmt | 928 | 868 | Associated Signature Container Simple format | application/vnd.etsi.asic-s+zip | ASICS | adENCAPSULATION | |
| Associated_Signature_Extended_Fmt | 929 | 869 | Associated Signature Container Extended format | application/vnd.etsi.asic-e+zip | ASICE | adENCAPSULATION | |
| iBooks_Fmt | 930 | 870 | Apple iBooks format | application/x-ibooks+zip | IBOOKS | adWORDPROCESSOR | |
| PDF_Forms_Data_Fmt | 931 | 871 | PDF Forms Data Format | application/vnd.fdf | FDF | adWORDPROCESSOR | |
| PDF_XML_Forms_Data_Fmt | 932 | 872 | PDF XML Forms Data Format | application/vnd.adobe.xfdf | XPDF | adWORDPROCESSOR | xmlsr |
| AxCrypt_Fmt | 933 | 873 | AxCrypt encrypted document | application/x-axcrypt | AXX | adENCAPSULATION | |
| Unix_Archive_Fmt | 934 | 874 | Unix Archive ar format | application/x-archive | AR | adENCAPSULATION | |
| Berkeley_Btree_ | 935 | 875 | Berkeley DB btree | application/x-berkeley-db | DB | adDATABASE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|--|------------------------------|------------|-----------------|-----------------------|
| Database_Fmt | | | database format | | | | |
| Berkeley_Hash_Database_Fmt | 936 | 876 | Berkeley DB hash database format | application/x-berkeley-db | DB | adDATABASE | |
| Berkeley_Log_Database_Fmt | 937 | 877 | Berkeley DB log database format | application/x-berkeley-db | | adDATABASE | |
| Berkeley_Queue_Database_Fmt | 938 | 878 | Berkeley DB queue database format | application/x-berkeley-db | | adDATABASE | |
| BitTorrent_Fmt | 939 | 879 | BitTorrent file format | application/x-bittorrent | TORRENT | adMISC | |
| Chrome_Extension_Fmt | 940 | 880 | Google Chrome Extension format | application/x-chrome-package | CRX | adENCAPSULATION | |
| Dalvik_Executable_Fmt | 941 | 881 | Dalvik Executable dex format | application/x-dex | DEX | adEXECUTABLE | |
| Foxmail_Fmt | 942 | 882 | Foxmail email format | application/x-foxmail | BOX | adWORDPROCESSOR | |
| GRIB_Fmt | 943 | 883 | General Regularly-distributed Information in Binary form GRIB format | application/x-grib | GRB, GRIB2 | adMISC | |
| Zstandard_Fmt | 944 | 884 | Zstandard compression format | application/zstd | ZSTD | adENCAPSULATION | |
| LZ4_Fmt | 945 | 885 | LZ4 compressed file | application/x-lz4 | LZ4 | adENCAPSULATION | |
| MS_Money_Fmt | 946 | 886 | Microsoft Money format | application/x-msmoney | MNY | adSPREADSHEET | |
| NetCDF_Fmt | 947 | 887 | Network Common Data Form NetCDF format | application/x-netcdf | NC | adMISC | |
| SAS6_Data_Fmt | 948 | 888 | SAS 6 Data storage format | application/x-sas-data-v6 | SD2 | adDATABASE | |
| SAS_Transport_Fmt | 949 | 889 | SAS Transport File XPORT format | application/x-sas-xport | XPT, XPORT | adDATABASE | |
| Snappy_Framed_Fmt | 950 | 890 | Snappy Framed compression format | application/x-snappy-framed | SZ | adENCAPSULATION | |
| Stata_Data_Fmt | 951 | 891 | Stata Data Format | application/x-stata-dta | DTA | adDATABASE | |
| SPSS_SAV_Fmt | 952 | 892 | SPSS Statistics Data File Format | | SAV | adDATABASE | |
| Zoo_Archive_Fmt | 953 | 893 | Zoo Compressed Archive Format | application/x-zoo | ZOO | adENCAPSULATION | |
| CDX_Fmt | 954 | 894 | ChemDraw CDX format | chemical/x-cdx | CDX | adSCIENTIFIC | |
| CDXML_Fmt | 955 | 895 | ChemDraw CDXML format | application/vnd.chemdraw+xml | CDXML | adSCIENTIFIC | xmlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------------|--------|----------|---|-------------------------------|---------------|-----------------|---------|
| BPG_Fmt | 956 | 896 | Better Portable Graphics BPG format | image/x-bpg | BPG | adRASTERIMAGE | |
| Apple_Icon_Fmt | 957 | 897 | Apple Icon image format | image/icns | ICNS | adRASTERIMAGE | |
| NITF_Fmt | 958 | 898 | National Imagery Transmission Format NITF image | image/nitf | NTF, NITF | adRASTERIMAGE | |
| ERDAS_Imagine_Fmt | 959 | 899 | ERDAS Imagine image format | application/x-erdas-hfa | HFA, RRD, AUX | adRASTERIMAGE | |
| MS_Office_Temporary_Owner_Fmt | 960 | 900 | Microsoft Office temporary owner file | application/x-ms-owner | | adMISC | |
| EAC3_Audio_Fmt | 961 | 901 | Enhanced-AC3 (EAC3) Audio File format | audio/eac3 | AC3 | adSOUND | |
| COFF_Relocatable_Fmt | 962 | 902 | Common Object File Format (COFF) relocatable object | application/x-object-file | O | adOBJECTMODULE | |
| COFF_Executable_Fmt | 963 | 903 | Common Object File Format (COFF) executable | application/x-executable-file | | adEXECUTABLE | |
| COFF_Dynamic_Lib_Fmt | 964 | 904 | Common Object File Format (COFF) dynamic library | application/x-library-file | | adLIBRARY | |
| ELF_Core_Fmt | 965 | 905 | ELF Core file | application/x-coreDump | | adMISC | |
| Purify_Fmt | 966 | 906 | Rational Purify data file | | PFY | adMISC | |
| Kryptel_Fmt | 967 | 907 | Kryptel encrypted file | | EDC | adENCAPSULATION | |
| Windows_Core_Dump_Fmt | 968 | 908 | Windows heap or mini core dump file | application/x-dmp | DMP | adMISC | |
| Qt_Prerendered_Font_Fmt | 969 | 909 | Qt Prerendered Font format | | QPF2 | adFONT | |
| AIX_Relocatable_Fmt | 970 | 910 | AIX/RISC COFF relocatable object | application/x-object-file | | adOBJECTMODULE | |
| AIX_Executable_Fmt | 971 | 911 | AIX/RISC COFF executable | application/x-executable-file | | adEXECUTABLE | |
| AIX_Dynamic_Lib_Fmt | 972 | 912 | AIX/RISC COFF dynamic library | application/x-library-file | A | adLIBRARY | |
| HPUX_Relocatable_Fmt | 973 | 913 | HPUX/PA-RISC COFF relocatable object | application/x-object-file | | adOBJECTMODULE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|---|-------------------------------|-----------|-----------------|-------------------------|
| HPUX_Executable_Fmt | 974 | 914 | HPUX/PA-RISC COFF executable | application/x-executable-file | | adEXECUTABLE | |
| HPUX_Dynamic_Lib_Fmt | 975 | 915 | HPUX/PA-RISC COFF dynamic library | application/x-library-file | SL | adLIBRARY | |
| XML_EBCDIC_Fmt | 976 | 916 | EBCDIC-encoded XML file | application/xml | XML | adWORDPROCESSOR | |
| MPEG_JVT_H264_Fmt | 977 | 917 | MPEG JVT-NAL sequence H264 video | video/h264 | 264 | adMOVIE | |
| Material_Exchange_Fmt | 978 | 918 | Material Exchange Format audio-video container format | application/mxf | MXF | adMOVIE | |
| MS_Agent_Character_Fmt | 979 | 919 | Microsoft Agent Character file | | ACS | adMOVIE | |
| Quicken_Fmt | 980 | 920 | Quicken data file | | QDF | adMISC | |
| MS_Outlook_Address_Fmt | 981 | 921 | Microsoft Outlook address file | | WAB | adMISC | |
| MS_Answer_Wizard_Fmt | 982 | 922 | Microsoft Answer Wizard file | | | adMISC | |
| ADX_Fmt | 983 | 923 | ADX audio file | | ADX | adSOUND | |
| System_Deployment_Image_Fmt | 984 | 924 | Microsoft System Deployment Image SDI format | | SDI | adMISC | |
| Free_Lossless_Image_Fmt | 985 | 925 | Free Lossless Image Format (FLIF) | image/flif | FLIF | adRASTERIMAGE | |
| DPX_Fmt | 986 | 926 | Digital Picture Exchange (DPX) image format | image/dpx | DPX | adRASTERIMAGE | |
| Avro_Fmt | 987 | 927 | Apache Avro binary format | | AVRO | adMISC | |
| InstallShield_Archive_Fmt | 988 | 928 | InstallShield archive (early versions) format | | EX_ | adENCAPSULATION | |
| Mac_Executable_Fmt | 989 | 929 | Mac OS-X (Mach-O) executable format | | | adEXECUTABLE | |
| GDSII_Fmt | 990 | 930 | GDSII data format | | GDS, GDS2 | adCAD | gdsiisr |
| ActiveMime_Fmt | 991 | 931 | Microsoft ActiveMime (mso) documents | application/x-mso | MSO | adMISC | |
| SmartCharts_Fmt | 992 | 932 | BizInt SmartCharts data format | | CHP, CHRR | adMISC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|---|-----------|------------------|-----------------------|
| Webex_ARF_Fmt | 993 | 933 | Webex advanced network ARF recordings | | ARF | adMOVIE | |
| Webex_WRF_Fmt | 994 | 934 | Webex local WRF recordings | | WRF | adMOVIE | |
| PGP_NetShare_Fmt | 995 | 935 | Symantec PGP NetShare encrypted file | | | adENCAPSULATION | |
| Ability_WP_OLE_Fmt | 996 | 936 | Ability Write later versions format | | AWW | adWORDPROCESSOR | |
| Ability_SS_OLE_Fmt | 997 | 937 | Ability Spreadsheet later versions format | | AWS | adSPREADSHEET | |
| InDesign_IDML_Fmt | 998 | 938 | Adobe InDesign IDML format | application/vnd.adobe.indesign-idml-package | IDML | adDESKTOPPUBLISH | |
| Executable_JAR_Fmt | 999 | 939 | Executable Java Archive (jar) file | application/java-archive | JAR | adENCAPSULATION | unzip |
| IDOL_IDX_Fmt | 1000 | 940 | IDOL Server IDX file | | IDX | adENCAPSULATION | |
| Android_Package_Kit_Fmt | 1001 | 941 | Android Package Kit (APK) format | application/vnd.android.package-archive | APK | adEXECUTABLE | |
| Android_Binary_XML_Fmt | 1002 | 942 | Android Binary XML (compressed by aapt) format | application/xml | XML | adWORDPROCESSOR | |
| Java_WAR_Fmt | 1003 | 943 | Java WAR file format | | WAR | adENCAPSULATION | |
| Java_EAR_Fmt | 1004 | 944 | Java EAR file format | | EAR | adENCAPSULATION | |
| Atom_Syndication_Fmt | 1005 | 945 | Atom Syndication Format | application/atom+xml | ATOM | adWORDPROCESSOR | xmlsr |
| RSS_Fmt | 1006 | 946 | RSS syndication XML format | application/rss+xml | RSS | adWORDPROCESSOR | xmlsr |
| SMIL_Fmt | 1007 | 947 | Synchronized Multimedia Integration Language (SMIL) XML format | application/smil+xml | SMIL | adWORDPROCESSOR | xmlsr |
| XSLT_Fmt | 1008 | 948 | Extensible Stylesheet Language Transformations (XSLT) format | application/xslt+xml | XSL, XSLT | adWORDPROCESSOR | xmlsr |
| XML_Shareable_Playlist_Fmt | 1009 | 949 | XML Shareable Playlist Format (XSPF) | application/xspf+xml | XSPF | adWORDPROCESSOR | xmlsr |
| FictionBook_Fmt | 1010 | 950 | FictionBook e-book XML format | application/x-fictionbook+xml | FB2 | adWORDPROCESSOR | xmlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|---|--------------------------------|-----------|-----------------|-----------------------|
| Adobe_Premiere_Project_Fmt | 1011 | 951 | Adobe Premiere project format | image/vnd.adobe.premiere | PPJ | adMISC | |
| RDF_XML_Fmt | 1012 | 952 | RDF/XML format | application/rdf+xml | RDF | adWORDPROCESSOR | xmlsr |
| Really_Simple_Discovery_Fmt | 1013 | 953 | Really Simple Discovery (RSD) XML format | application/rsd+xml | RSD | adWORDPROCESSOR | xmlsr |
| SBML_Fmt | 1014 | 954 | Systems Biology Markup Language (SBML) XML format | application/sbml+xml | SBML | adWORDPROCESSOR | xmlsr |
| SRU_Fmt | 1015 | 955 | Search/Retrieve via URL (SRU) XML format | application/sru+xml | SRU | adWORDPROCESSOR | xmlsr |
| SSML_Fmt | 1016 | 956 | Speech Synthesis Markup Language (SSML) XML format | application/ssml+xml | SSML | adWORDPROCESSOR | xmlsr |
| PLS_Fmt | 1017 | 957 | Pronunciation Lexicon Specification (PLS) XML format | application/pls+xml | PLS | adWORDPROCESSOR | xmlsr |
| TEI_Fmt | 1018 | 958 | Text Encoding Initiative (TEI) XML format | application/tei+xml | TEI | adWORDPROCESSOR | xmlsr |
| METS_Fmt | 1019 | 959 | Metadata Encoding and Transmission Standard (METS) XML format | application/mets+xml | METS | adWORDPROCESSOR | xmlsr |
| MODS_Fmt | 1020 | 960 | Metadata Object Description Schema (MODS) XML format | application/mods+xml | MODS | adWORDPROCESSOR | xmlsr |
| Metalink_Fmt | 1021 | 961 | Metalink XML format | application/metalink4+xml | METALINK | adWORDPROCESSOR | xmlsr |
| Open_eBook_Fmt | 1022 | 962 | Open eBook (OEBPS) XML format | application/oebps-package+xml | OPF | adWORDPROCESSOR | xmlsr |
| SRGS_Fmt | 1023 | 963 | Speech Recognition Grammar Specification (SRGS) XML format | application/srgs+xml | SRGS | adWORDPROCESSOR | xmlsr |
| SPARQL_Results_Fmt | 1024 | 964 | SPARQL Query Results XML format | application/sparql-results+xml | SRX | adWORDPROCESSOR | xmlsr |
| Adobe_XML_Data_Package_Fmt | 1025 | 965 | Adobe XML Data Package format | application/vnd.adobe.xdp+xml | XDP | adWORDPROCESSOR | xmlsr |
| ESzigno_Fmt | 1026 | 966 | e-Szigno signed xml document | application/vnd.eszigno3+xml | ES3 | adWORDPROCESSOR | xmlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|--|---------------------------------|-----------|-----------------|-----------------------|
| Mozilla_XUL_Fmt | 1027 | 967 | Mozilla XML User Interface Language (XUL) XML format | application/vnd.mozilla.xul+xml | XUL | adWORDPROCESSOR | xmlsr |
| SyncML_Fmt | 1028 | 968 | Synchronization Markup Language (SyncML) XML format | application/vnd.syncml+xml | XML | adWORDPROCESSOR | xmlsr |
| VoiceXML_Fmt | 1029 | 969 | VoiceXML (VXML) XML format | application/voicexml+xml | VXML | adWORDPROCESSOR | xmlsr |
| TI_Target_Configuration_Fmt | 1030 | 970 | Texas Instruments CCXML target configuration XML format | | CCXML | adWORDPROCESSOR | |
| LZFSE_Fmt | 1031 | 971 | Lempel-Ziv Finite State Entropy (LZFSE) compression format | | LZFSE | adENCAPSULATION | |
| Kindle_eBook_Fmt | 1032 | 972 | Amazon Kindle or Mobipocket eBook format | application/vnd.amazon.ebook | AZW, PRC | adWORDPROCESSOR | |
| Oasis_Stream_Fmt | 1033 | 973 | Open Artwork System Interchange Standard (OASIS) format | | OAS | adMISC | |
| Amazon_KFX_Fmt | 1034 | 974 | Amazon KFX eBook format | | KFX | adWORDPROCESSOR | |
| KTX_Fmt | 1035 | 975 | KTX image format | image/ktx | KTX | adRASTERIMAGE | |
| GMSH_Mesh_Fmt | 1036 | 976 | GMSH Mesh polygon format | model/mesh | MSH | adCAD | |
| Collada_DAE_Fmt | 1037 | 977 | Collada Digital Asset Exchange (DAE) format | model/vnd.collada+xml | DAE | adCAD | xmlsr |
| YIN_Fmt | 1038 | 978 | YIN XML format | application/yin+xml | YIN | adWORDPROCESSOR | xmlsr |
| MPEG_Playlist_Fmt | 1039 | 979 | MPEG audio playlist format | audio/mpegurl | M3U | adSOUND | |
| Windows_Audio_Playlist_Fmt | 1040 | 980 | Windows Audio playlist format | audio/x-ms-wax | WAX | adSOUND | xmlsr |
| DTS_Audio_Fmt | 1041 | 981 | DTS Coherent Acoustics audio format | audio/vnd.dts | DTS | adSOUND | |
| Chemical_Markup_Language_Fmt | 1042 | 982 | Chemical Markup Language (CML) XML format | chemical/x-cml | CML | adWORDPROCESSOR | xmlsr |
| CrystalMaker_Fmt | 1043 | 983 | CrystalMaker chemical format | chemical/x-cmdf | CMDF | adSCIENTIFIC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|--|-----------|-----------------|--------------------------|
| VTK_XML_Fmt | 1044 | 984 | Visualization Toolkit VTK XML format | model/vnd.vtu | VTU | adVECTORGRAPHIC | xmlsr |
| IPFIX_Fmt | 1045 | 985 | IP Flow Information Export (IPFIX) format | application/ipfix | IPFIX | adMISC | |
| Portable_Font_Resource_Fmt | 1046 | 986 | Portable Font Resource font format | application/font-tdpfr | PFR | adFONT | |
| MARC_Fmt | 1047 | 987 | Machine-Readable Cataloging (MARC21) format | application/marc | MARC | adDATABASE | |
| MARC_XML_Fmt | 1048 | 988 | Machine-Readable Cataloging (MARC) XML format | application/marcxml+xml | XML | adWORDPROCESSOR | xmlsr |
| XAR_Fmt | 1049 | 989 | Extensible Archive (XAR) format | | | adENCAPSULATION | |
| Symbian_Installer_Fmt | 1050 | 990 | Symbian installer format | application/vnd.symbian.install | SIS | adENCAPSULATION | |
| SO_Drawing_XML_Fmt | 1051 | 316 | OpenDocument format (OpenOffice 1/StarOffice 6.7) Drawing XML | application/vnd.sun.xml.draw | SXD | adVECTORGRAPHIC | kpodfrdr |
| SO_Text_Global_XML_Fmt | 1052 | 991 | OpenDocument format (OpenOffice 1/StarOffice 6.7) Writer Master document XML | application/vnd.sun.xml.writer.global | SXG | adWORDPROCESSOR | |
| ODF_Chart_Fmt | 1053 | 992 | ODF Chart | application/vnd.oasis.opendocument.chart | ODC | adVECTORGRAPHIC | |
| ODF_Database_Fmt | 1054 | 993 | ODF Database | application/vnd.sun.xml.base | ODB | adDATABASE | |
| ODF_Image_Fmt | 1055 | 994 | ODF Image | application/vnd.oasis.opendocument.image | ODI | adRASTERIMAGE | |
| ODF_Text_Master_Fmt | 1056 | 995 | ODF Text Master | application/vnd.oasis.opendocument.text-master | ODM | adWORDPROCESSOR | |
| ODF_Text_Web_Fmt | 1057 | 996 | ODF Text Web | application/vnd.oasis.opendocument.text-web | OTH | adWORDPROCESSOR | |
| ODF_Chart_Template_Fmt | 1058 | 997 | ODF Chart Template | application/vnd.oasis.opendocument.chart-template | OTC | adVECTORGRAPHIC | |
| ODF_Formula_Template_Fmt | 1059 | 998 | ODF Formula Template | application/vnd.oasis.opendocument.formula-template | OTF | adWORDPROCESSOR | unzip |
| ODF_Drawing_Template_Fmt | 1060 | 316 | ODF Drawing/Graphics Template | application/vnd.oasis.opendocument.graphics-template | OTG | adVECTORGRAPHIC | kpodfrdr |
| ODF_Image_Template_Fmt | 1061 | 999 | ODF Image Template | application/vnd.oasis.opendocument.image-template | OTI | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------------|--------|----------|--|--|-----------|-----------------|--------------------------|
| ODF_Presentation_Template_Fmt | 1062 | 316 | ODF Presentation Template | application/vnd.oasis.opendocument.presentation-template | OTP | adPRESENTATION | kpodfrdr |
| ODF_Spreadsheet_Template_Fmt | 1063 | 315 | ODF Spreadsheet Template | application/vnd.oasis.opendocument.spreadsheet-template | OTS | adSPREADSHEET | odfsssr |
| ODF_Text_Template_Fmt | 1064 | 314 | ODF Text Template | application/vnd.oasis.opendocument.text-template | OTT | adWORDPROCESSOR | odfwpsr |
| ODF_Chart_XML_Fmt | 1065 | 1000 | ODF Chart flat XML format | application/vnd.oasis.opendocument.chart.xml | FODC | adVECTORGRAPHIC | |
| ODF_Drawing_XML_Fmt | 1066 | 1001 | ODF Drawing/Graphics flat XML format | application/vnd.oasis.opendocument.formula.xml | FODG | adWORDPROCESSOR | |
| ODF_Formula_XML_Fmt | 1067 | 1002 | ODF Formula flat XML format | application/vnd.oasis.opendocument.graphics.xml | FODF | adVECTORGRAPHIC | |
| ODF_Image_XML_Fmt | 1068 | 1003 | ODF Image flat XML format | application/vnd.oasis.opendocument.image.xml | FODI | adRASTERIMAGE | |
| ODF_Presentation_XML_Fmt | 1069 | 1004 | ODF Presentation flat XML format | application/vnd.oasis.opendocument.presentation.xml | FODP | adPRESENTATION | |
| ODF_Spreadsheet_XML_Fmt | 1070 | 1005 | ODF Spreadsheet flat XML format | application/vnd.oasis.opendocument.spreadsheet.xml | FODS | adSPREADSHEET | |
| ODF_Text_XML_Fmt | 1071 | 1006 | ODF Text flat XML format | application/vnd.oasis.opendocument.text.xml | FODT | adWORDPROCESSOR | |
| ODF_Extension_Fmt | 1072 | 1007 | ODF Extension format | application/vnd.openofficeorg.extension | OXT | adMISC | |
| StarView_Metafile_Fmt | 1073 | 1008 | OpenOffice StarView MetaFile format | image/x-svm | SVM | adRASTERIMAGE | |
| BBeB_LRF_eBook_Fmt | 1074 | 1009 | Broad Band eBook (BBeB) in LRF format | application/x-ext-lrf | LRF | adWORDPROCESSOR | |
| GPG_Trust_DB_Fmt | 1075 | 1010 | GPG trust database format | | GPG | adMISC | |
| VICE_Emulator_Fmt | 1076 | 1011 | VICE (Versatile Commodore Emulator) format | | VSF | adMISC | |
| Portable_Game_Notation_Fmt | 1077 | 1012 | Portable Game Notation chess format | application/vnd.chess-pgn | PGN | adWORDPROCESSOR | |
| Doom_WAD_Fmt | 1078 | 1013 | Doom IWAD/PWAD format | application/x-doom | WAD | adMISC | |
| Device_Tree_Blob_Fmt | 1079 | 1014 | Linux Device Tree Blob format | | DTB | adMISC | |
| BDF_Font_Fmt | 1080 | 1015 | Glyph Bitmap Distribution Format | application/x-font-bdf | BDF | adFONT | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|---|---|-----------|-----------------|-----------------------|
| PC_Screen_Font_Fmt | 1081 | 1016 | PC Screen Font format | application/x-font-psf | PSF | adFONT | |
| JNLP_Fmt | 1082 | 1017 | Java Network Launching Protocol | application/x-java-jnlp-file | JNLP | adWORDPROCESSOR | xmlsr |
| XAML_Browser_Application_Fmt | 1083 | 1018 | XAML Browser Application (XBAP) format | application/x-ms-xbap | XBAP | adWORDPROCESSOR | xmlsr |
| MS_Binder_Fmt | 1084 | 1019 | Microsoft Office Binder format | application/x-msbinder | OBP | adENCAPSULATION | |
| XAP_Fmt | 1085 | 1020 | Microsoft Silverlight application (XAP) format | application/x-silverlight-app | XAP | adENCAPSULATION | |
| Stuftit_X_Fmt | 1086 | 1021 | Stuftit X (SITX) archive format | application/x-stuffitx | SITX | adENCAPSULATION | |
| FIG_Fmt | 1087 | 1022 | Facility for Interactive Generation of figures (FIG) image format | application/x-fig | FIG | adVECTORGRAPHIC | |
| XPIInstall_Fmt | 1088 | 1023 | XPIInstall Cross-Platform Installer Module (XPI) format | application/x-xpinstall | XPI | adENCAPSULATION | |
| XDF_Fmt | 1089 | 1024 | Extensible Data Format (XDF) XML format | | XDF | adWORDPROCESSOR | xmlsr |
| MXML_Fmt | 1090 | 1025 | MXML UI markup language XML format | | MXML | adWORDPROCESSOR | xmlsr |
| MusicXML_Fmt | 1091 | 1026 | MusicXML format | application/vnd.recordare.musicxml | MXL | adENCAPSULATION | xmlsr |
| Finale_Fmt | 1092 | 1027 | Finale audio format | | MUS | adSOUND | |
| Spotfire_DXP_Fmt | 1093 | 1028 | TIBCO Spotfire DXP data format | application/vnd.spotfire.dxp | DXP | adANALYTICS | |
| MS_Office_Theme_2007_Fmt | 1094 | 1029 | Microsoft Office theme format | application/vnd.ms-officetheme | THMX | adMISC | |
| Adobe_AIR_Installer_Fmt | 1095 | 1030 | Adobe AIR application installer package | application/vnd.adobe.air-application-installer-package+zip | AIR | adENCAPSULATION | |
| Flex_Project_Fmt | 1096 | 1031 | Adobe Flash Flex project file format | application/vnd.adobe.fxp | FXP | adENCAPSULATION | |
| FoxPro_Fmt | 1097 | 1032 | FoxPro compiled source format | | FXP | adLIBRARY | |
| VST_Preset_Fmt | 1098 | 1033 | Virtual Studio Technology (VST) preset format | | FXP | adSOUND | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|---|-----------------------|--------------------------|-----------------|--------------------------|
| Mischief_Image_Fmt | 1099 | 1034 | Mischief vector graphics image format | | ART | adVECTORGRAPHIC | |
| FreeArc_Fmt | 1100 | 1035 | FreeArc archive format | application/x-freearc | ARC | adENCAPSULATION | |
| Autodesk_3ds_Fmt | 1101 | 1036 | Autodesk 3ds format | application/x-3ds | 3DS | adCAD | |
| Monkeys_Audio_Fmt | 1102 | 1037 | Monkey's Audio format | | APE | adSOUND | |
| CALS_Fmt | 1103 | 1038 | CALS raster image format | | CAL | adRASTERIMAGE | |
| Dr_Halo_PAL_Fmt | 1104 | 1039 | Dr Halo raster image PAL file format | | PAL | adRASTERIMAGE | |
| DPG_Fmt | 1105 | 1040 | Nintendo DS DPG video format | | DPG | adMOVIE | |
| JPEG_XR_Fmt | 1106 | 1041 | JPEG XR (extended range) image format | image/vnd.ms-photo | JXR, HDP | adRASTERIMAGE | |
| TCR_eBook_Fmt | 1107 | 1042 | TCR/ZVR (Text Compression for Reader) eBook format | | TCR, ZVR | adWORDPROCESSOR | |
| IHEX_Fmt | 1108 | 1043 | Intel Hex format | | IHEX | adENCAPSULATION | |
| QCOW_Fmt | 1109 | 1044 | QEMU Copy On Write | | QCOW | adENCAPSULATION | |
| VDI_Fmt | 1110 | 1045 | VirtualBox Disk Image | | VDI | adENCAPSULATION | |
| OneNote_Alternate_Fmt | 1111 | 1046 | OneNote Alternative Packaging Format | | | adWORDPROCESSOR | onealtsr |
| RMS_Protected_Fmt | 1112 | 1047 | Rights Management Services (RMS)-protected format | | PFILE, PPDF, PJPJG, PTXT | adWORDPROCESSOR | pfilesr |
| Portfolio_PDF_Fmt | 1113 | 1048 | Portfolio PDF File | application/pdf | PDF | adWORDPROCESSOR | pdfsr |
| Crystal_Reports_Fmt | 1114 | 1049 | SAP Crystal Reports format | application/x-rpt | RPT | adANALYTICS | |
| Thumbs_db_Fmt | 1115 | 1050 | Microsoft Windows thumbs.db format | | DB | adENCAPSULATION | |
| PagePlus_Fmt | 1116 | 1051 | Serif PagePlus format | | PPP | adDESKTOPPUBLSH | |
| MS_Project_Exchange_Fmt | 1117 | 1052 | Microsoft Project Exchange format | | MPX | adSCHEDULE | |
| MS_Management_Pack_MPX_Fmt | 1118 | 1053 | Microsoft Systems Center Operation Manager (SCOM) management pack | | MPX | adMISC | xmlsr |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------------|--------|----------|---|------------------------------------|-----------|-----------------|-----------------------|
| | | | MPX format | | | | |
| AutoCAD_VBA_Project_Fmt | 1119 | 1054 | AutoCAD VBA project format | | DVB | adMISC | |
| PLY_ASCII_Fmt | 1120 | 1055 | Polygon File Format (PLY) ASCII format | | PLY | adCAD | |
| PLY_Binary_Fmt | 1121 | 1056 | Polygon File Format (PLY) binary format | | PLY | adCAD | |
| JavaView_JVX_Fmt | 1122 | 1057 | JavaView XML (JVX) format | | JVX | adCAD | xmlsr |
| X3D_Fmt | 1123 | 1058 | Extensible 3d Graphics (X3D) XML format | model/x3d+xml | X3D | adCAD | |
| ZBrush_Project_Fmt | 1124 | 1059 | ZBrush ZProject (ZPR) format | | ZPR | adCAD | |
| ZBrush_Tool_Fmt | 1125 | 1060 | ZBrush ZTtool (ZTL) format | | ZTL | adCAD | |
| Windows_Installer_Patch_Fmt | 1126 | 1061 | Microsoft Windows Installer Patch Package (MSP) format | | MSP | adENCAPSULATION | |
| Windows_Installer_Transform_Fmt | 1127 | 1062 | Microsoft Windows Installer Transform (MST) format | | MST | adENCAPSULATION | |
| Lotus_Approach_Fmt | 1128 | 1063 | Lotus Approach format | application/vnd.lotus-approach | APR, MPR | adDATABASE | |
| Outlook_SendRcv_Settings_Fmt | 1129 | 1064 | Microsoft Outlook 2002 Send-Receive Settings | | SRS | adMISC | |
| MS_Publisher_Scheme_Fmt | 1130 | 1065 | Microsoft Publisher colour scheme | | SCM | adMISC | |
| SO_Chart_Fmt | 1131 | 1066 | Star Office 4,5 Chart | application/vnd.stardivision.chart | SDS | adVECTORGRAPHIC | |
| SO_Database_Fmt | 1132 | 1067 | Star Office 4,5 Database | application/vnd.stardivision.base | SDB | adDATABASE | |
| SO_Library_Fmt | 1133 | 1068 | Star Office 4,5 Library | | SBL | adLIBRARY | |
| PageMaker_Document_Fmt | 1134 | 1069 | Adobe PageMaker document | application/pagemaker | PMD | adDESKTOPPUBLSH | |
| MS_DTS_Fmt | 1135 | 1070 | Microsoft Data Transformation Services (DTS) package file | | DTS | adMISC | |
| Cognos_PowerPlay_ | 1136 | 1071 | Cognos PowerPlay up to | | PPR | adANALYTICS | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|---------------------------------|--|-----------------|-----------------------|
| PPR_Fmt | | | version 7 (PPR) format | | | | |
| Visual_Studio_SUO_Fmt | 1137 | 1072 | Microsoft Visual Studio solution user options (suo) file | | SUO | adMISC | |
| MS_GraphEdit_Fmt | 1138 | 1073 | Microsoft GraphEdit File format | | GRF | adMISC | |
| ArcGIS_Graph_Fmt | 1139 | 1074 | ArcGIS Graph format | | GRF | adGIS | |
| SID_Audio_Fmt | 1140 | 1075 | SID Audio format | audio/prs.sid | SID | adSOUND | |
| MrSID_Fmt | 1141 | 1076 | LizardTech MrSID image format | image/x-mrsid | SID | adRASTERIMAGE | |
| Cardfile_Fmt | 1142 | 1077 | Microsoft Windows Cardfile address book format | application/x-mscardfile | CRD | adWORDPROCESSOR | |
| MS_Word_Mac_4_Fmt | 1143 | 205 | Microsoft Word for Macintosh (version 4,5) | application/msword | DOC | adWORDPROCESSOR | mbsr |
| WordPerfect_5_Fmt | 1144 | 80 | WordPerfect (version 5) | application/x-corel-wordperfect | WOP, DOC | adWORDPROCESSOR | wosr |
| WordPerfect_6_Fmt | 1145 | 178 | WordPerfect (version 6 and higher) | application/x-corel-wordperfect | WPD | adWORDPROCESSOR | wp6sr |
| WordPerfect_Graphics_1_Fmt | 1146 | 85 | WordPerfect Graphics (version 1) | application/vnd.wordperfect | WPG, QPG | AutoDetNoFormat | |
| Organization_Chart_Fmt | 1147 | 1078 | OrgPlus Organization Chart | application/orgplus | OPX | adDATABASE | |
| Lotus_Organizer_Fmt | 1148 | 1079 | Lotus Organizer documents | application/vnd.lotus-organizer | OR2, OR3, OR4, OR5, OR6 | adSCHEDULE | |
| MS_DBML_Fmt | 1149 | 1080 | Microsoft Database Markup Language XML document | | DBML | adWORDPROCESSOR | |
| XMind_Fmt | 1150 | 1081 | XMind document | application/xmind | XMIND | adPRESENTATION | |
| MSI_Cerius_Fmt | 1151 | 1082 | MSI Cerius chemical formula document | chemical/x-cerius | MSI | adSCIENTIFIC | |
| GenBank_Fmt | 1152 | 1083 | GenBank DNA character sequence document | chemical/x-genbank | GB | adSCIENTIFIC | |
| GIS_World_File_Fmt | 1153 | 1084 | ESRI GIS World file | | BPW, GFW, JGW, J2W, PGW, SDW, TFW, WLD | adGIS | afsr |
| GIS_Projection_ | 1154 | 1085 | ESRI Projection Metadata | | PRJ | adGIS | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------------|--------|----------|---|---------------------------------|------------------------|-----------------|--------------------------|
| Metadata_Fmt | | | (PRJ) file | | | | |
| PowerWorld_Binary_Fmt | 1155 | 1086 | PowerWorld Binary (PWB) file | | PWB | adCAD | |
| PowerWorld_Display_Fmt | 1156 | 1087 | PowerWorld Display (PWD) file | | PWD | adCAD | |
| ArcXML_Fmt | 1157 | 1088 | ESRI ArcIMS project XML file (ArcXML) | | AXL | adGIS | |
| GAMS_GDX_Fmt | 1158 | 1089 | General Algebraic Modeling System (GAMS) Data Exchange (GDX) format | | GDX | adSCIENTIFIC | |
| ArcMap_MXD_Fmt | 1159 | 1090 | ArcMap Map Exchange Document project (MXD) | | MXD | adGIS | |
| RRDtool_Fmt | 1160 | 1091 | RRDtool (Round Robin Database) data file | | RRD | adDATABASE | |
| HWPX_Fmt | 1161 | 1092 | Hangul HWPX document | application/hwp+zip | HWPX | adWORDPROCESSOR | |
| SolidWorks_2015_Fmt | 1162 | 1093 | SolidWorks (2015 onwards) file | | SLDPRT, SLDDRW, SLDASM | adCAD | |
| MS_Photo_Editor_Fmt | 1163 | 1094 | Microsoft Photo Editor 'embedded GIF' file | application/vnd.ms-photo-editor | | adRASTERIMAGE | |
| MS_Word_HTML_Fmt | 1164 | 1095 | Microsoft Word HTML format | | DOC, HTM | adWORDPROCESSOR | |
| MS_Excel_HTML_Fmt | 1165 | 1096 | Microsoft Excel HTML format | | XLS, HTM | adWORDPROCESSOR | |
| Portable_FloatMap_Fmt | 1166 | 1097 | Portable FloatMap (PFM) image | image/x-portable-floatmap | PFM | adRASTERIMAGE | |
| RGBE_Fmt | 1167 | 1098 | Radiance RGBE (HDR) image | image/vnd.radiance | HDR, PIC, RGBE, XYZE | adRASTERIMAGE | |
| APNG_Fmt | 1168 | 1099 | Animated Portable Network Graphics (Animated-PNG) | image/apng | APNG, PNG | adANIMATION | kppngrdr |
| Enhanced_Compressed_Wavelet_Fmt | 1169 | 1100 | Enhanced Compressed Wavelet image | image/ecw | ECW | adRASTERIMAGE | |
| Ensoniq_Waveset_Fmt | 1170 | 1101 | Ensoniq Waveset audio data file | | ECW | adSOUND | |
| Corel_Photo_Paint_Fmt | 1171 | 1102 | Corel Photo Paint (version 7 and higher) | image/x-corelphotopaint | CPT | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|--------------------------|--------|----------|---|--|-----------|-----------------|-----------------------|
| OpenRaster_Fmt | 1172 | 1103 | OpenRaster image | image/openraster | ORA | adRASTERIMAGE | |
| Krita_Fmt | 1173 | 1104 | Krita image | application/x-krita | KRA | adRASTERIMAGE | |
| Gerber_Fmt | 1174 | 1105 | Gerber image format | application/vnd.gerber | GBR | adVECTORGRAPHIC | |
| PGML_Fmt | 1175 | 1106 | Precision Graphics Markup Language | | PGML | adVECTORGRAPHIC | |
| Away3D_Fmt | 1176 | 1107 | Away3D scene file | | AWD | adCAD | |
| CAD_3MF_Fmt | 1177 | 1108 | 3D Manufacturing Format document | application/vnd.ms-package.3dmanufacturing-3dmodel+xml | 3MF | adCAD | |
| AMF_Fmt | 1178 | 1109 | Additive manufacturing file format (AMF) document | application/x-amf | AMF | adCAD | xmlsr |
| C3D_Fmt | 1179 | 1110 | Coordinate 3D (C3D) format | | C3D | adCAD | |
| CAD_3DSystems_BFF_Fmt | 1180 | 1111 | 3D Sprint (3D Systems) SLA Build file | | BFF | adCAD | |
| NRRD_Fmt | 1181 | 1112 | NRRD (nearly raw raster data) image format | | NRRD | adRASTERIMAGE | |
| Cinema_4D_Fmt | 1182 | 1113 | Cinema 4D model | | C4D | adCAD | |
| FBX_ASCII_Fmt | 1183 | 1114 | Kaydara FBX project (ASCII) | | FBX | adCAD | |
| FBX_Binary_Fmt | 1184 | 1115 | Kaydara FBX project (binary) | | FBX | adCAD | |
| Wavefront_OBJ_Fmt | 1185 | 1116 | Wavefront OBJ geometry definition file | | OBJ | adCAD | |
| Wavefront_MTL_Fmt | 1186 | 1117 | Wavefront Material Template Library (MTL) | | MTL | adCAD | |
| MS_Power_BI_Template_Fmt | 1187 | 1118 | Microsoft Power BI Desktop template format | | PBIT | adANALYTICS | |
| Windows_Sticky_Notes_Fmt | 1188 | 1119 | Microsoft Windows Sticky Notes format | | SNT | adWORDPROCESSOR | |
| BlakHole_Fmt | 1189 | 1120 | BlakHole compression format | | BH | adENCAPSULATION | |
| PowerArchiver_Fmt | 1190 | 1121 | PowerArchiver PA compression format | | PA | adENCAPSULATION | |
| PageMagic_Fmt | 1191 | 1122 | NEBS PageMagic format | | DTP | adDESKTOPPUBLSH | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-----------------------------|--------|----------|---|---------------------------|-----------|-----------------|---|
| PIM_Archiver_Fmt | 1192 | 1123 | PIM Archiver format | | PIM | adENCAPSULATION | |
| Softdisk_Text_Compessor_Fmt | 1193 | 1124 | Softdisk Text Compressor format | | CTX | adENCAPSULATION | |
| Ability_PhotoPaint_Fmt | 1194 | 1125 | Ability Office PhotoPaint image | | APX | adRASTERIMAGE | |
| Softlib_Fmt | 1195 | 1126 | Softdisk Softlib compression format | | SLB | adENCAPSULATION | |
| Timeworks_Publisher_Fmt | 1196 | 1127 | Timeworks Publisher (Publish It) format | | DTP | adDESKTOPPUBLSH | |
| Scribe_Fmt | 1197 | 1128 | Scribe markup language and word processing system | | MSS | adWORDPROCESSOR | afsr |
| SQLite_Write_Ahead_Log_Fmt | 1198 | 1129 | SQLite Write-Ahead Log file | | WAL | adDATABASE | |
| SQLite_WAL_Index_Fmt | 1199 | 1130 | SQLite WAL-index (shm) file | | SHM | adDATABASE | |
| AutoForm_Design_Fmt | 1200 | 1131 | AutoForm Design file | | AFD | adCAD | |
| TSV_Fmt | 1201 | 1132 | Tab-separated values (TSV) file | text/tab-separated-values | TSV, TAB | adWORDPROCESSOR | afsr , afsr |
| OpenStreetMap_XML_Fmt | 1202 | 1133 | OpenStreetMap XML data | | OSM | adGIS | |
| OpenStreetMap_PBF_Fmt | 1203 | 1134 | OpenStreetMap Protocolbuffer Binary Format data file (.osm.pbf) | | PBF | adGIS | |
| Nero_Audio_Compilation_Fmt | 1204 | 1135 | Nero Audio-CD compilation file | | NRA | adMISC | |
| Nero_ISO_Compilation_Fmt | 1205 | 1136 | Nero ISO compilation file | | NRI | adMISC | |
| WordStar_for_Windows_Fmt | 1206 | 1137 | WordStar for Windows file | | WSD | adWORDPROCESSOR | stringssr |
| MS_Outlook_PAB_Fmt | 1207 | 1138 | Microsoft Outlook Personal Address Book (PAB) | | PAB | adMISC | |
| HLSL_FXO_Fmt | 1208 | 1139 | DirectX High-Level Shader Language (HLSL) pre-compiled shader | | FXO | adCAD | |
| HLSL_CSO_Fmt | 1209 | 1140 | DirectX High-Level Shader | | CSO | adCAD | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|-------------------------------|----------------|-----------------|---------|
| | | | Language (HLSL) compiled shader object | | | | |
| Oberon_Document_Fmt | 1210 | 1141 | Component Pascal / Oberon Document file | | ODC | adSOURCECODE | |
| Oberon_Symbol_Fmt | 1211 | 1142 | Component Pascal / Oberon Symbol file | | OSF | adOBJECTMODULE | |
| Oberon_Code_Fmt | 1212 | 1143 | Component Pascal / Oberon Code (executable and loadable object) file | | OCF | adEXECUTABLE | |
| Python_Bytecode_Fmt | 1213 | 1144 | Python compiled bytecode | application/x-bytecode.python | PYC | adEXECUTABLE | |
| PCPaint_Fmt | 1214 | 1145 | PCPaint / Pictor Paint image format | | PIC | adRASTERIMAGE | |
| PCRaster_Map_Fmt | 1215 | 1146 | PCRaster Map / Cross System Format geographical data | | MAP, CSF | adGIS | |
| COM_Type_Library_Fmt | 1216 | 1147 | Microsoft Component Object Model (COM) Type library | | TLB | adLIBRARY | |
| MS_Visual_C_Export_Fmt | 1217 | 1148 | Microsoft Visual C++ Export file | | EXP | adLIBRARY | |
| Lotus_Organizer_Report_Fmt | 1218 | 1149 | Lotus Organizer report document | | REP | adSCHEDULE | |
| Audible_Audiobook_AA_Fmt | 1219 | 1150 | Audible Audiobook (AA) file | audio/audible | AA | adSOUND | |
| DOS_RED_Fmt | 1220 | 1151 | MS-DOS RED installer library format | | RED | adLIBRARY | |
| CA_ZIPXP_Fmt | 1221 | 1152 | CA Technologies ZIPXP compressed document | | CAZ | adENCAPSULATION | |
| Kindle_Topaz_Fmt | 1222 | 1153 | Amazon Kindle Topaz eBook | | AZW, AZW1, TPZ | adWORDPROCESSOR | |
| Windows_Shim_Database_Fmt | 1223 | 1154 | Microsoft Windows Shim Database file | | SDB | adDATABASE | |
| MS_Incremental_Linker_Fmt | 1224 | 1155 | Microsoft Visual Studio incremental linker file | | ILK | adMISC | |
| Lotus_Smart_Icon_Fmt | 1225 | 1156 | Lotus Smart Icon image file | | SMI | adRASTERIMAGE | |
| Lotus_Organizer_ | 1226 | 1157 | Lotus Organizer print/paper | | PLT | adSCHEDULE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|--|------------------------------|----------------|-----------------|---------|
| Layout_Fmt | | | layout file | | | | |
| CMZ_Fmt | 1227 | 1158 | CMZ compression format | | CMZ | adENCAPSULATION | |
| RFFlow_Fmt | 1228 | 1159 | RFFlow flowchart document | | FLO | adPRESENTATION | |
| InstallShield_Script_Fmt | 1229 | 1160 | InstallShield script document | | INS | adENCAPSULATION | |
| InstallShield_Rules_Fmt | 1230 | 1161 | InstallShield Compiled Rules file | | INX | adENCAPSULATION | |
| Windows_FTS_Fmt | 1231 | 1162 | Microsoft Windows 95/NT help full-text-search file | | FTS | adDATABASE | |
| DVD_Info_Fmt | 1232 | 1163 | DVD Information (IFO) file | content/dvd | IFO | adDATABASE | |
| Emacs_Lisp_Bytecode_Fmt | 1233 | 1164 | Byte-compiled Lisp (Emacs/XEmacs) | application/x-bytecode.elisp | ELC | adEXECUTABLE | |
| Windows_Resource_Fmt | 1234 | 1165 | Microsoft Windows binary resource file | | RES | adMISC | |
| MS_Precompiled_Header_Fmt | 1235 | 1166 | Microsoft Visual C/C++ binary pre-compiled header | | PCH | adMISC | |
| Borland_Turbo_Project_Fmt | 1236 | 1167 | Borland Turbo C project file | | PRJ | adMISC | |
| PS_Font_Descriptor_Fmt | 1237 | 1168 | PostScript binary Font Descriptor file | | NTF | adFONT | |
| MySQL_Index_Fmt | 1238 | 1169 | MySQL MyISAM Table index | | MYI | adDATABASE | |
| MS_SQL_Fmt | 1239 | 1170 | Microsoft SQL Server primary database file | | MDF | adDATABASE | |
| DNL_eBook_Fmt | 1240 | 1171 | DNAML DNL eBook | | DNL | adWORDPROCESSOR | |
| GD_Image_Fmt | 1241 | 1172 | GD Library image | | GD, GD2 | adRASTERIMAGE | |
| iTunes_Library_Fmt | 1242 | 1173 | Apple iTunes music library | | ITL | adDATABASE | |
| MS_SQM_Fmt | 1243 | 1174 | Microsoft Windows Live Messenger/Mail log file | | SQM | adMISC | |
| VIFF_Fmt | 1244 | 1175 | Khoros Visualization Image File Format (VIFF) | image/x-viff | XV, VIF, VIFF | adRASTERIMAGE | |
| JBIG_Fmt | 1245 | 1176 | JBIG (JBIG1) image | image/jbig | JBG, JBIG, BIE | adRASTERIMAGE | |
| CodeWarrior_Project_ | 1246 | 1177 | CodeWarrior C/C++ project | | MCP | adMISC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|---|-----------------|---------------|-----------------|---------|
| Fmt | | | | | | | |
| PaintShop_Pro_JBF_Fmt | 1247 | 1178 | PaintShop Pro JBF image cache file | image/jbf | JBF | adMISC | |
| Delphi_Diagram_Portfolio_Fmt | 1248 | 1179 | Delphi Diagram Portfolio file | | DDP | adMISC | |
| Adobe_Swatch_Exchange_Fmt | 1249 | 1180 | Adobe Swatch Exchange Format | | ASE, ASEF | adRASTERIMAGE | |
| ASCII_Scene_Exporter_Fmt | 1250 | 1181 | Autodesk 3ds Max ASCII Scene Exporter file | | ASE | adCAD | |
| AVR_Fmt | 1251 | 1182 | AVR (Audio Visual Research) format | | AVR | adSOUND | |
| Winamp_AVS_Fmt | 1252 | 1183 | Winamp AVS (Advanced Visualization Studio) plug-in file | | AVS | adSOUND | |
| After_Effects_Project_Fmt | 1253 | 1184 | Adobe After Effects project | | AEP | adMOVIE | |
| Anfy_Applet_Generator_Fmt | 1254 | 1185 | Anfy (Java) Applet Generator file | | AJP | adMISC | |
| SmartCipher_Fmt | 1255 | 1186 | SmartCipher encrypted file | | | adENCAPSULATION | |
| General_Exchange_Fmt | 1256 | 1187 | General Exchange Format (GXF) | application/gxf | GXF | adMOVIE | |
| Maxis_XA_Fmt | 1257 | 1188 | Maxis XA audio file | | XA | adSOUND | |
| NUT_Fmt | 1258 | 1189 | NUT Open Container Format | | NUT | adMOVIE | |
| OpenMG_Audio_Fmt | 1259 | 1190 | Sony OpenMG Audio (OMA) container file | | OMA, OMG | adSOUND | |
| TXD_Fmt | 1260 | 1191 | Renderware Texture Dictionary (TXD) file | | TXD | adRASTERIMAGE | |
| DFA_Fmt | 1261 | 1192 | DreamForge DFA FMV format | | DFA | adMOVIE | |
| FunCom_ISS_Fmt | 1262 | 1193 | FunCom ISS audio | | ISS | adSOUND | |
| Sony_MSX_Fmt | 1263 | 1194 | Sony Compressed Audio (MSV/DVF) | | DVF, ICS, MSV | adSOUND | |
| THP_Fmt | 1264 | 1195 | GameCube THP Video | | THP | adMOVIE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|------------------------------------|-----------|-----------|---------------|---------|
| Smush_Animation_Fmt | 1265 | 1196 | Smush Animation Format (SAN) | | SAN, NUT | adANIMATION | |
| SIFF_Audio_Fmt | 1266 | 1197 | Beam Software SIFF audio file | | SON | adSOUND | |
| SNES_SPC_Fmt | 1267 | 1198 | SNES SPC700 audio file | | SPC | adSOUND | |
| Sierra_VMD_Fmt | 1268 | 1199 | Sierra Video and Music Data format | | VMD | adMOVIE | |
| VTech_MJP_Fmt | 1269 | 1200 | VTech MHP video format | | MJP | adMOVIE | |
| Nullsoft_Video_Fmt | 1270 | 1201 | Nullsoft Video format (NSV) | | NSV | adMOVIE | |
| Shorten_Fmt | 1271 | 1202 | Shorten audio file | | SHN | adSOUND | |
| Leitch_Video_Fmt | 1272 | 1203 | Leitch Exchange Format video (LXF) | | LXF | adMOVIE | |
| ETV_Fmt | 1273 | 1204 | ETV video file | | ETV | adMOVIE | |
| TAK_Audio_Fmt | 1274 | 1205 | TAK audio file | | TAK | adSOUND | |
| Maelstrom_ANM_Fmt | 1275 | 1206 | Maelstrom ANM animation | | ANM | adANIMATION | |
| SW_ANM_Fmt | 1276 | 1207 | Savage Warriors ANM animation | | ANM | adANIMATION | |
| DeluxePaint_Animation_Fmt | 1277 | 1208 | DeluxePaint animation | | ANM | adANIMATION | |
| Crack_Art_Fmt | 1278 | 1209 | Crack Art image | | CA1 | adRASTERIMAGE | |
| Time_Shift_Video_Fmt | 1279 | 1210 | Time Shift Video (TSV) format | | TSV | adMOVIE | |
| XBV_Fmt | 1280 | 1211 | XBV video | | XBV | adMOVIE | |
| HNM4_Fmt | 1281 | 1212 | CRYO HNM4 video | | HNM | adMOVIE | |
| HNM6_Fmt | 1282 | 1213 | CRYO HNM6 video | | HNM, HNS | adMOVIE | |
| NXV_Fmt | 1283 | 1214 | NXV video | | NXV | adMOVIE | |
| VP5_Fmt | 1284 | 1215 | On2 VP5 video | | VP5 | adMOVIE | |
| FutureVision_FST_Fmt | 1285 | 1216 | FutureVision FST video | | FST | adMOVIE | |
| Electronic_Arts_Audio_Fmt | 1286 | 1217 | Electronic Arts audio file | | STR | adSOUND | |
| YOP_Fmt | 1287 | 1218 | Psygnosis YOP video | | YOP | adMOVIE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------------|--------|----------|---|-----------|-----------------------------------|---------------|---------|
| Matrox_Setup_Program_Fmt | 1288 | 1219 | Matrox Setup Program Archive MVA file | | MVA | adMISC | |
| Vivado_Design_Suite_Fmt | 1289 | 1220 | Xilinx Vivado Design Suite file | | VDS | adMISC | |
| Meridian_Lossless_Packing_Fmt | 1290 | 1221 | Meridian Lossless Packing Audio file | | MLP | adSOUND | |
| Electronic_Arts_SEAD_Fmt | 1291 | 1222 | Electronic Arts SEAD audio | | TGV | adSOUND | |
| Electronic_Arts_MPC_Fmt | 1292 | 1223 | Electronic Arts MPC video | | MPC | adMOVIE | |
| PMP_Fmt | 1293 | 1224 | PMP video | | PMP | adMOVIE | |
| DEGAS_Fmt | 1294 | 1225 | DEGAS (Design & Entertainment Graphic Arts System) image | | PI1, PI2, PI3 | adRASTERIMAGE | |
| DEGAS_Compressed_Fmt | 1295 | 1226 | DEGAS (Design & Entertainment Graphic Arts System) compressed image | | PC1, PC2, PC3 | adRASTERIMAGE | |
| AutoCAD_Plotter_Fmt | 1296 | 1227 | AutoCAD Plot Style and Configuration files | | CTB, STB, PC3, PMP | adCAD | |
| Tiny_Stuff_Fmt | 1297 | 1228 | Tiny Stuff image | | TNY, TN1, TN2, TN3, TN4, TN5, TN6 | adRASTERIMAGE | |
| JV_Video_Fmt | 1298 | 1229 | Bitmap Brothers JV video | | JV | adMOVIE | |
| REDCode_Fmt | 1299 | 1230 | REDCode video format | | R3D | adMOVIE | |
| SIFF_Video_Fmt | 1300 | 1231 | Beam Software SIFF video file | | VB | adMOVIE | |
| VP6_Fmt | 1301 | 1232 | On2 VP6 video | | VP6 | adMOVIE | |
| MTV_Fmt | 1302 | 1233 | Chinese MP4/MTV video | | MTV | adMOVIE | |
| RSO_Fmt | 1303 | 1234 | Mindstorm RSO audio | | RSO | adSOUND | |
| Star3_Fmt | 1304 | 1235 | Creative Labs Star 3 audio | | ST3 | adSOUND | |
| DXA_Fmt | 1305 | 1236 | Runesoft DXA video | | DXA | adMOVIE | |
| MTH_Fmt | 1306 | 1237 | Nintendo GameCube video file | | MTH | adMOVIE | |
| MAD_Fmt | 1307 | 1238 | Electronic Arts MAD video | | MAD | adMOVIE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------|--------|----------|--|-----------------------|-------------------|-----------------|--------------------------|
| | | | file | | | | |
| Bink2_Fmt | 1308 | 1239 | Bink Video 2 audio-video container | | BIK, BK2 | adMOVIE | |
| PVA_Fmt | 1309 | 1240 | TechnoTrend PVA video | | PVA | adMOVIE | |
| Interplay_ACMP_Fmt | 1310 | 1241 | Interplay ACMP audio | | | adSOUND | |
| Ipix_Fmt | 1311 | 1242 | Ipix spherical image | | IPX | adRASTERIMAGE | |
| IVR_Fmt | 1312 | 1243 | RealNetworks Internet Video Recording (IVR) file | | IVR | adMOVIE | |
| NuppelVideo_Fmt | 1313 | 1244 | NuppelVideo file | | NUV | adMOVIE | |
| VFlash_PTX_Fmt | 1314 | 1245 | VTech V.Flash VTX image | | PTX | adRASTERIMAGE | |
| PMD_Ringtone_Fmt | 1315 | 1246 | Polyphonic Ringtone PMD audio | application/x-pmd | PMD | adSOUND | |
| RoQ_Fmt | 1316 | 1247 | RoQ video | | ROQ | adMOVIE | |
| CRYO_APC_Fmt | 1317 | 1248 | CRYO Interactive APC audio | | APC, HNM, BF, ZIK | adSOUND | |
| VGZ_Fmt | 1318 | 1249 | VGZ video | | VGZ | adMOVIE | |
| Novastorm_Video_Fmt | 1319 | 1250 | Novastorm Media video file | | FA, FLM | adMOVIE | |
| UTalk_Fmt | 1320 | 1251 | MicroTalk/UTalk audio | | UTK | adSOUND | |
| Xbox_XMV_Fmt | 1321 | 1252 | Microsoft Xbox XMV video | | XMV | adMOVIE | |
| AbiWord_Fmt | 1322 | 1253 | AbiWord document | application/x-abiword | ABW | adWORDPROCESSOR | |
| AbiWord_Template_Fmt | 1323 | 1254 | AbiWord template | | ABT | adWORDPROCESSOR | |
| Psion_Word_Fmt | 1324 | 1255 | Psion EPOC Word document | | PSI, PSITEXT | adWORDPROCESSOR | stringsr |
| Psion_Sheet_Fmt | 1325 | 1256 | Psion EPOC Sheet spreadsheet | | PSISHEET | adSPREADSHEET | |
| Psion_Sketch_Fmt | 1326 | 1257 | Psion EPOC Sketch image | | | adRASTERIMAGE | |
| Psion_Record_Fmt | 1327 | 1258 | Psion EPOC Record audio | | | adSOUND | |
| Psion_MBM_Fmt | 1328 | 1259 | Psion EPOC Multi-Bitmap (MBM) image | | MBM | adRASTERIMAGE | |
| Psion_TextEd_Fmt | 1329 | 1260 | Psion EPOC TextEd file | | | adWORDPROCESSOR | stringsr |
| Psion_AIF_Fmt | 1330 | 1261 | Psion EPOC Application Information File (AIF) | | AIF | adRASTERIMAGE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------|--------|----------|--|------------------------------|-----------|-----------------|--------------------------|
| Psion_PIC_Fmt | 1331 | 1262 | Psion 3 PIC bitmap | | PIC | adRASTERIMAGE | |
| Psion_Object_Fmt | 1332 | 1263 | Psion 3 OPL Object File | | OPA, OPO | adENCAPSULATION | |
| Psion_Executable_Fmt | 1333 | 1264 | Psion 3 IMG/APP executable | | IMG, APP | adEXECUTABLE | |
| Psion_Sound_Fmt | 1334 | 1265 | Psion 3 Sound file | | WVE | adSOUND | |
| Psion_Database_Fmt | 1335 | 1266 | Psion EPOC Database | | | adDATABASE | |
| Psion_Word_3_Fmt | 1336 | 1267 | Psion 3 Word document | | WRD | adWORDPROCESSOR | stringsr |
| Psion_Sheet_3_Fmt | 1337 | 1268 | Psion 3 Sheet spreadsheet | | SPR | adSPREADSHEET | |
| Zoner_Draw_Fmt | 1338 | 1269 | Zoner Draw / Zoner Callisto Metafile (ZMF) | | ZMF | adVECTORGRAPHIC | |
| Zoner_BMI_Fmt | 1339 | 1270 | Zoner BMI image | | BMI | adRASTERIMAGE | |
| TealDoc_Fmt | 1340 | 1271 | TealDoc PalmOS eBook | | PDB | adWORDPROCESSOR | |
| TealPaint_Fmt | 1341 | 1272 | TealPaint PalmOS eBook | | PDB | adWORDPROCESSOR | |
| PalmDOC_Fmt | 1342 | 1273 | PalmDOC / Aportis DOC eBook | application/x-aportisdoc | PRC, PDB | adWORDPROCESSOR | |
| QiOO_Fmt | 1343 | 1274 | QiOO mobile eBook | | JAR | adWORDPROCESSOR | |
| Plucker_Fmt | 1344 | 1275 | Plucker eBook | application/prs.plucker | PDB | adWORDPROCESSOR | |
| eReader_Fmt | 1345 | 1276 | eReader (Palm Reader/ Peanut Reader) eBook | | PDB | adWORDPROCESSOR | |
| Quickword_Fmt | 1346 | 1277 | PalmOS Quickword document | | PRC | adWORDPROCESSOR | stringsr |
| Quicksheet_Fmt | 1347 | 1278 | PalmOS Quicksheet document | | PRC | adSPREADSHEET | |
| Quickpoint_Fmt | 1348 | 1279 | PalmOS Quickpoint document | | PRC | adPRESENTATION | |
| TealMeal_Fmt | 1349 | 1280 | TealMeal PalmOS database | | PDB | adDATABASE | |
| zTXT_Fmt | 1350 | 1281 | zTXT eBook | application/x-pdb-ztxt-ebook | PDB | adWORDPROCESSOR | |
| TomeRaider_Fmt | 1351 | 1282 | TomeRaider eBook | | TR | adWORDPROCESSOR | |
| TomeRaider_PDB_Fmt | 1352 | 1283 | TomeRaider PDB eBook | | TR2, TR3 | adWORDPROCESSOR | |
| WordSmith_Fmt | 1353 | 1284 | PalmOS Wordsmith document | | | adWORDPROCESSOR | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------------|--------|----------|--|---|-----------|-----------------|---------|
| iSilo_Fmt | 1354 | 1285 | PalmOS iSilo document | application/x-pdb-isilo-ebook | PDB | adWORDPROCESSOR | |
| SuperMemo_Fmt | 1355 | 1286 | PalmOS SuperMemo document | | KNO, PDB | adWORDPROCESSOR | |
| BDicty_Fmt | 1356 | 1287 | PalmOS BDicty document | | PDB | adWORDPROCESSOR | |
| PalmOS_Executable_Fmt | 1357 | 1288 | PalmOS executable | application/vnd.palm | PRC | adEXECUTABLE | |
| PalmOS_Library_Fmt | 1358 | 1289 | PalmOS dynamic library | | PRC | adLIBRARY | |
| Shanda_Bambook_Fmt | 1359 | 1290 | Shanda Bambook eBook | application/x-snb-ebook | SNB | adWORDPROCESSOR | |
| PMLZ_Fmt | 1360 | 1291 | Palm Markup Language (PMLZ) eBook | | PMLZ | adWORDPROCESSOR | |
| Rocket_eBook_Fmt | 1361 | 1292 | Rocket eBook | application/x-rocketbook | RB | adWORDPROCESSOR | |
| iBooks_Author_Fmt | 1362 | 1293 | Apple iBooks Author eBook | application/vnd.apple.ibauthor | IBA | adWORDPROCESSOR | |
| Statistica_Spreadsheet_Fmt | 1363 | 1294 | Statsoft Statistica Spreadsheet | | STA | adSPREADSHEET | |
| Statistica_Graph_Fmt | 1364 | 1295 | Statsoft Statistica Graph File | | STG | adVECTORGRAPHIC | |
| Statistica_Scrollsheet_Fmt | 1365 | 1296 | Statsoft Statistica Scrollsheet | | SCR | adSPREADSHEET | |
| Apple_Newton_Package_Fmt | 1366 | 1297 | Apple Newton executable/installer/file | | PKG | adEXECUTABLE | |
| Adobe_Zip_Extension_Fmt | 1367 | 1298 | Adobe Zip Format Extension Package (ZXP) | application/vnd.adobe.air-ucf-package+zip | ZXP | adENCAPSULATION | |
| Uniform_Office_Fmt | 1368 | 1299 | Uniform Office Format document | | UOF | adWORDPROCESSOR | |
| Uniform_Office_Text_Fmt | 1369 | 1300 | Uniform Office Format word processing document | application/vnd.uof.text | UOF, UOT | adWORDPROCESSOR | |
| Uniform_Office_Spreadsheet_Fmt | 1370 | 1301 | Uniform Office Format spreadsheet | application/vnd.uof.spreadsheet | UOF, UOS | adSPREADSHEET | |
| Uniform_Office_Presentation_Fmt | 1371 | 1302 | Uniform Office Format presentation | application/vnd.uof.presentation | UOF, UOP | adPRESENTATION | |
| Uniform_Office_Zip_Fmt | 1372 | 1303 | Uniform Office Format document, zip format | | UOF | adWORDPROCESSOR | |
| Uniform_Office_Text_Zip_Fmt | 1373 | 1304 | Uniform Office Format word processing | application/vnd.uof.text+zip | UOF, UOT | adWORDPROCESSOR | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------------------|--------|----------|---|--------------------------------------|-----------|-----------------|--------------------------|
| | | | document, zip format | | | | |
| Uniform_Office_Spreadsheet_Zip_Fmt | 1374 | 1305 | Uniform Office Format spreadsheet, zip format | application/vnd.uof.spreadsheet+zip | UOF, UOS | adSPREADSHEET | |
| Uniform_Office_Presentation_Zip_Fmt | 1375 | 1306 | Uniform Office Format presentation, zip format | application/vnd.uof.presentation+zip | UOF, UOP | adPRESENTATION | |
| MacDraft_Fmt | 1376 | 1307 | MacDraft drawing | | DRW, MDD | adCAD | |
| RagTime_Fmt | 1377 | 1308 | RagTime document | | RAG, RTD | adDESKTOPPUBLSH | |
| MacDraw_Fmt | 1378 | 1309 | MacDraw drawing | | | adVECTORGRAPHIC | |
| Wingz_Fmt | 1379 | 1310 | Wingz spreadsheet | | WKZ | adSPREADSHEET | |
| Claris_Draw_Fmt | 1380 | 1311 | Claris Draw document | | | adVECTORGRAPHIC | |
| BeagleWorks_Word_Fmt | 1381 | 1312 | BeagleWorks (later WordPerfect Works) Word Processor document | | BW, WPW | adWORDPROCESSOR | stringsr |
| BeagleWorks_Database_Fmt | 1382 | 1313 | BeagleWorks (later WordPerfect Works) Database document | | BW, WPW | adDATABASE | |
| BeagleWorks_Spreadsheet_Fmt | 1383 | 1314 | BeagleWorks (later WordPerfect Works) Spreadsheet document | | BW, WPW | adSPREADSHEET | |
| BeagleWorks_Paint_Fmt | 1384 | 1315 | BeagleWorks (later WordPerfect Works) Paint document | | BW, WPW | adRASTERIMAGE | |
| BeagleWorks_Draw_Fmt | 1385 | 1316 | BeagleWorks (later WordPerfect Works) Draw document | | BW, WPW | adVECTORGRAPHIC | |
| GreatWorks_Word_Fmt | 1386 | 1317 | Symantec GreatWorks Word Processor document | | | adWORDPROCESSOR | stringsr |
| GreatWorks_Outline_Fmt | 1387 | 1318 | Symantec GreatWorks Outline document | | | adOUTLINE | |
| GreatWorks_Database_Fmt | 1388 | 1319 | Symantec GreatWorks Database document | | | adDATABASE | |
| GreatWorks_Spreadsheet_Fmt | 1389 | 1320 | Symantec GreatWorks Spreadsheet document | | | adSPREADSHEET | |
| GreatWorks_Draw_Fmt | 1390 | 1321 | Symantec GreatWorks Draw document | | | adVECTORGRAPHIC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------------|--------|----------|---|-----------------------|-----------|-----------------|---------|
| GreatWorks_Chart_Fmt | 1391 | 1322 | Symantec GreatWorks Chart document | | | adVECTORGRAPHIC | |
| MS_Works_3_Mac_WP_Fmt | 1392 | 1323 | Microsoft Works for Mac, version 3 and 4, Word Processor document | application/x-msworks | MSW, WPS | adWORDPROCESSOR | |
| MS_Works_3_Mac_DB_Fmt | 1393 | 1324 | Microsoft Works for Mac, version 3 and 4, Database | application/x-msworks | WDB | adDATABASE | |
| MS_Works_3_Mac_SS_Fmt | 1394 | 1325 | Microsoft Works for Mac, version 3 and 4, Spreadsheet | application/x-msworks | WKS | adSPREADSHEET | |
| MS_Works_3_Mac_Comm_Fmt | 1395 | 1326 | Microsoft Works for Mac, version 3 and 4, Communications document | application/x-msworks | | adCOMMUNICATION | |
| MS_Works_3_Mac_Draw_Fmt | 1396 | 1327 | Microsoft Works for Mac, version 3 and 4, Draw document | application/x-msworks | MSW | adVECTORGRAPHIC | |
| SAP_VDS_Fmt | 1397 | 1328 | SAP 3d Visual Enterprise VDS document | | VDS | adCAD | |
| ZIPVFS_Fmt | 1398 | 1329 | ZIPVFS SQLite compressed read/write database | | SQLITE | adDATABASE | |
| Right_Hemisphere_Material_Fmt | 1399 | 1330 | Right Hemisphere Material file | | RH, RHM | adCAD | |
| RH_Thumbnails_Fmt | 1400 | 1331 | Right Hemisphere thumbnail collection file | | \$RH | adCAD | |
| Westwood_Studios_Audio_Fmt | 1401 | 1332 | Westwood Studios Audio file | | AUD | adSOUND | |
| Shockwave_Stream_Fmt | 1402 | 1333 | Shockwave Stream audio-video file | | STREAM | adMOVIE | |
| EGG_Video_Fmt | 1403 | 1334 | EGG video file | | EGG | adMOVIE | |
| IRCAM_Fmt | 1404 | 1335 | IRCAM audio file | | IRCAM | adSOUND | |
| Sierra_Audio_Fmt | 1405 | 1336 | Sierra Entertainment audio file | | SOL | adSOUND | |
| TiVo_Video_Fmt | 1406 | 1337 | TiVo video | | TY+ | adMOVIE | |
| OptimFROG_Fmt | 1407 | 1338 | OptimFROG audio | | OFR, OFS | adSOUND | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|----------------------------|--------|----------|--|--------------------------------|-----------|-----------------|---------|
| LPAC_Fmt | 1408 | 1339 | Lossless Predictive Audio Compression file | | PAC | adSOUND | |
| RK_Audio_Fmt | 1409 | 1340 | RK Audio lossless compressed audio | | RKA | adSOUND | |
| Asylum_Music_Fmt | 1410 | 1341 | Asylum Music Format | | AMF | adSOUND | |
| Novastorm_Audio_Fmt | 1411 | 1342 | Novastorm Media audio file | | SMP | adSOUND | |
| HHE_Fmt | 1412 | 1343 | HHE video | | HHE | adMOVIE | |
| Portable_Voice_Fmt | 1413 | 1344 | Portable Voice Format audio | | PVF | adSOUND | |
| CNM_Video_Fmt | 1414 | 1345 | Arxel CNM audio-video format | | CNM | adMOVIE | |
| Phantom_Cine_Fmt | 1415 | 1346 | Phantom Cine video file | | CINE | adMOVIE | |
| MPEG2_Transport_Stream_Fmt | 1416 | 1347 | MPEG-2 Transport Stream video | | M2TS | adMOVIE | |
| Audacity_Project_Fmt | 1417 | 1348 | Audacity audio project file | application/x-audacity-project | AUP | adSOUND | |
| Voltage_VSF_Fmt | 1418 | 1349 | Micro Focus Voltage VSF encrypted file | | VDF | adENCAPSULATION | |
| XLIFF_Fmt | 1419 | 1350 | XML Localization Interchange File Format (XLIFF) | application/xliff+xml | XLF | adWORDPROCESSOR | |
| XBRL_Fmt | 1420 | 1351 | Extensible Business Reporting Language (XBRL) | | XBRL | adWORDPROCESSOR | |
| AuditXPressX_Fmt | 1421 | 1352 | AuditXPressX file | | AXPX | adWORDPROCESSOR | |
| Box_Note_Fmt | 1422 | 1353 | Box Note document | | BOXNOTE | adWORDPROCESSOR | |
| Hikvision_DVR_Fmt | 1423 | 1354 | Hikvision DVR video | | | adMOVIE | |
| Electronic_Arts_TGV_Fmt | 1424 | 1355 | Electronic Arts TGV video | | TGV | adMOVIE | |
| Electronic_Arts_TGQ_Fmt | 1425 | 1356 | Electronic Arts TGQ video | | TGQ | adMOVIE | |
| Reaper_Video_Fmt | 1426 | 1357 | Reaper Video | | FMV | adMOVIE | |
| Lightweight_Video_Fmt | 1427 | 1358 | Lightweight Video Format (LVF) | | LVF | adMOVIE | |
| Liquid_Audio_Fmt | 1428 | 1359 | Liquid Audio | | LQT | adSOUND | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|------------------------------|--------|----------|--|--|---------------|-----------------|---------|
| Extended_Instrument_Fmt | 1429 | 1360 | eXtended Instrument generic audio tracker | | XI | adSOUND | |
| MAML_Fmt | 1430 | 1361 | Microsoft Assistance Markup Language | | AML | adWORDPROCESSOR | |
| MS_Chat_Character_Fmt | 1431 | 1362 | Microsoft Comic Chat Character | | AVB | adRASTERIMAGE | |
| MS_Border_Fmt | 1432 | 1363 | Microsoft Office Border images | | BDR | adRASTERIMAGE | |
| MS_Binary_Log_Fmt | 1433 | 1364 | Microsoft Binary Log file | | BLG | adMISC | |
| MS_Reader_eBook_Fmt | 1434 | 1365 | Microsoft Reader eBook file | | LIT | adWORDPROCESSOR | |
| MS_Reader_Annotations_Fmt | 1435 | 1366 | Microsoft Reader annotation file | | EBO | adWORDPROCESSOR | |
| Amazon_KFX_Aux_Fmt | 1436 | 1367 | Amazon KFX eBook auxiliary format (2015) | | KFX, AZW | adWORDPROCESSOR | |
| Amazon_KFX_Ion_Fmt | 1437 | 1368 | Amazon KFX eBook Ion format (2015) | | KFX, AZW, ION | adWORDPROCESSOR | |
| MS_DPAPI_Fmt | 1438 | 1369 | Microsoft Data Protection API (DPAPI) data | | | adMISC | |
| MS_Streets_Fmt | 1439 | 1370 | Microsoft Streets & Trips map | | EST | adGIS | |
| MS_Fast_Find_Index_Fmt | 1440 | 1371 | Microsoft Office Fast Find Index | | FFX | adMISC | |
| MS_Fresh_Paint_Fmt | 1441 | 1372 | Microsoft Fresh Paint image | | FPPX | adRASTERIMAGE | |
| MS_Mathematics_Fmt | 1442 | 1373 | Microsoft Mathematics worksheet | | GCW | adSCIENTIFIC | |
| MS_Instrument_Definition_Fmt | 1443 | 1374 | Microsoft MIDI Instrument Definition File | | IDF | adSOUND | |
| MS_Pocket_Streets_Fmt | 1444 | 1375 | Microsoft Pocket Streets map | | MPS | adGIS | |
| Obfuscated_OpenType_Fmt | 1445 | 1376 | Obfuscated OpenType font (ODTTF) | application/vnd.ms-package.obfuscated-opentype | ODTTF | adFONT | |
| Pfaff_PCS_Fmt | 1446 | 1377 | Pfaff PCS embroidery image | | PCS | adVECTORGRAPHIC | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|---------------------------|--------|----------|--|-----------|-----------|-----------------|---------|
| Janome_JEF_Fmt | 1447 | 1378 | Janome JEF embroidery format | | JEF | adVECTORGRAPHIC | |
| Husqvarna_HUS_Fmt | 1448 | 1379 | Husqvarna Viking HUS embroidery format | | HUS | adVECTORGRAPHIC | |
| Husqvarna_VIP_Fmt | 1449 | 1380 | Husqvarna Viking-Pfaff VIP embroidery format | | VIP | adVECTORGRAPHIC | |
| Brother_PEC_Fmt | 1450 | 1381 | Brother PEC embroidery format | | PEC | adVECTORGRAPHIC | |
| Brother_PES_Fmt | 1451 | 1382 | Brother PEC embroidery format | | PES | adVECTORGRAPHIC | |
| Viking_SHV_Fmt | 1452 | 1383 | Viking SHV embroidery format | | SHV | adVECTORGRAPHIC | |
| VP3_Fmt | 1453 | 1384 | VP3 embroidery format | | VP3 | adVECTORGRAPHIC | |
| SEW_Fmt | 1454 | 1385 | SEW embroidery format | | SEW | adVECTORGRAPHIC | |
| Data_Stitch_Tajima_Fmt | 1455 | 1386 | Data Stitch Tajima (DST) embroidery image | | DST | adVECTORGRAPHIC | |
| Singer_XXX_Fmt | 1456 | 1387 | Singer XXX embroidery image | | XXX | adVECTORGRAPHIC | |
| Bernina_ART_Fmt | 1457 | 1388 | Bernina ART embroidery image | | ART | adVECTORGRAPHIC | |
| MS_Prefetch_Fmt | 1458 | 1389 | Microsoft Windows Prefetch (uncompressed) file | | PF | adMISC | |
| MS_Prefetch_Compacted_Fmt | 1459 | 1390 | Microsoft Windows Prefetch (compressed) file | | PF | adMISC | |
| MS_MapPoint_Fmt | 1460 | 1391 | Microsoft MapPoint map | | PTM | adGIS | |
| MS_Live_Meeting_Fmt | 1461 | 1392 | Microsoft Office Live Meeting Connection | | RTC | adSCHEDULE | |
| MS_Speech_Definitions_Fmt | 1462 | 1393 | Microsoft text-to-speech Speech Definitions File | | SDF | adMISC | |
| MS_Speech_Data_Fmt | 1463 | 1394 | Microsoft text-to-speech Speech Data File | | SPD | adDATABASE | |
| MS_SQL_CE_Fmt | 1464 | 1395 | Microsoft SQL Server Compact (CE) edition database | | SDF | adDATABASE | |

| Format Name | Number | Category | Description | MIME Type | Extension | File Class | Readers |
|-------------------------|--------|----------|--|----------------|-----------|-----------------|--------------------------|
| MS_ICE_Project_Fmt | 1465 | 1396 | Microsoft Image Composite Editor (ICE) Project | | SPJ | adMISC | |
| MS_DVR_Fmt | 1466 | 1397 | Microsoft Digital Video Recording (DVR-MS) | video/x-ms-dvr | DVR-MS | adMOVIE | |
| Symbol_Dynamics_EXP_Fmt | 1467 | 1398 | Symbol Dynamics EXP document | | WXP | adWORDPROCESSOR | stringsr |
| XNA_Compiled_Fmt | 1468 | 1399 | Microsoft XNA Compiled Format | | XNB | adENCAPSULATION | |
| Outlook_Shortcut_Fmt | 1469 | 1400 | Microsoft Outlook or Exchange folder shortcut | | XNK | adMISC | |

¹MHT, EML, and MBX files might return either format 2, 233, or 395, depending on the text in the file. In general, files that contain fields such as **To**, **From**, **Date**, or **Subject** are considered to be email messages; files that contain fields such as **content-type** and **mime-version** are considered to be MHT files; and files that do not contain any of those fields are considered to be text files.

²All CAT file extensions, for example CATDrawing, CATProduct, CATPart, and so on.

³This format is returned only if you enable source code identification.

⁴This format is returned only if you enable extended source code identification.

Appendix B: Document Readers

This section lists the KeyView document readers that are available to filter, export, and view supported file formats.

- [Key to Document Readers Table](#) 117
- [Document Readers](#) 119

Key to Document Readers Table

The document readers table includes the following information.

| Column | Description |
|-------------------------|--|
| Reader | The name of the reader. |
| Description | A description of the reader. |
| Filter | Shows whether KeyView can filter text from the main content of the file. |
| Export | Shows whether KeyView supports export to HTML, XML, and PDF. |
| View | Shows whether KeyView provides viewing capability. |
| Extract | Shows whether KeyView can extract sub-files. |
| Metadata | Shows whether KeyView can extract metadata (properties such as title, author, and subject). |
| Charset | Shows whether KeyView can detect and extract the character set. Even though a file format might be able to provide character set information, some documents might not contain character set information. Therefore, the document reader would not be able to determine the character set of the document. |
| H/F | Shows whether KeyView can extract headers and footers. |
| Associated File Formats | The file formats that are supported by the reader. |

Key to Symbols

| Symbol | Description |
|--------|-------------------------------|
| Y | The feature is supported. |
| N | The feature is not supported. |

Key to Symbols, continued

| Symbol | Description |
|---------------|---|
| P | Partial metadata is extracted from this format. Some non-standard fields are not extracted. |
| T | Only text is extracted from this format. Formatting information is not extracted. |
| M | Only metadata (title, subject, author, and so on) is extracted from this format. Text and formatting information are not extracted. |

Document Readers

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|------------------------|--------|--------|----------------|---------|----------|---------|-----|--|
| ActiveX components | Microsoft Visio (2013) | N | N | Y ¹ | N | Y | N | N | MS_Visio_2013_Fmt |
| ad1sr | AD1 | N | N | Y | Y | N | n/a | N | AD1_Fmt |
| afsr | ASCII Text | Y | Y | Y | N | N | N | N | ABAP_Fmt , AMPL_Fmt , APL_Fmt , ASCII_Text_Fmt , ASN1_Fmt , ATS_Fmt , Agda_Fmt , Alloy_Fmt , Apex_Fmt , AppleScript_Fmt , Arduino_Fmt , AsciiDoc_Fmt , AspectJ_Fmt , Assembly_Fmt , Awk_Fmt , BlitzMax_Fmt , Bluespec_Fmt , Brainfuck_Fmt , Brightscript_Fmt , CLIPS_Fmt , CMake_Fmt , COBOL_Fmt , CPlusPlus_Fmt , CWeb_Fmt , C_Fmt , CartoCSS_Fmt , Ceylon_Fmt , Chapel_Fmt , Clarion_Fmt , Clean_Fmt , Clojure_Fmt , CoffeeScript_Fmt , Component_Pascal_Fmt , Cool_Fmt , Coq_Fmt , Creole_Fmt , Crystal_Fmt , Csharp_Fmt , Csound_Document_Fmt , Csound_Fmt , Css_Fmt , |

¹Visio 2013 is supported in Viewing only, with the support of ActiveX components from the Microsoft Visio 2013 Viewer. Image fidelity is supported but other features, such as highlighting, are not.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|-------------|--------|--------|------|---------|----------|---------|-----|---|
| | | | | | | | | | Cuda_Fmt , DIGITAL_Command_Language_Fmt , DTrace_Fmt , D_Fmt , Dart_Fmt , Dockerfile_Fmt , ECL_Fmt , E_Fmt , Eiffel_Fmt , Elm_Fmt , Emacs_Lisp_Fmt , EmberScript_Fmt , Erlang_Fmt , Fantom_Fmt , Forth_Fmt , Fortran_Fmt , FreeMarker_Fmt , Frege_Fmt , Fsharp_Fmt , GAMS_Fmt , GAP_Fmt , GDScript_Fmt , GIS_World_File_Fmt , GLSL_Fmt , G_code_Fmt , Game_Maker_Language_Fmt , Gnuplot_Fmt , Go_Fmt , Golo_Fmt , Gosu_Fmt , Gradle_Fmt , GraphQL_Fmt , Graphviz_DOT_Fmt , Groovy_Fmt , HLSL_Fmt , Hack_Fmt , Haml_Fmt , Handlebars_Fmt , Haskell_Fmt , Hy_Fmt , IDL_Fmt , IGOR_Pro_Fmt , Idris_Fmt , Inform_7_Fmt , Ini_Fmt , Ioke_Fmt , Isabelle_Fmt , JSONiq_Fmt , JSX_Fmt , J_Fmt , Jasmin_Fmt , Java_Fmt , Javascript_Fmt , Jolie_Fmt , Julia_Fmt , KiCad_Layout_Fmt , KiCad_Schematic_Fmt , Kotlin_Fmt , LFE_Fmt , LOLCODE_Fmt , Lasso_Fmt , Limbo_Fmt , Lisp_Fmt , LiveScript_Fmt , Lua_Fmt , MAXScript_Fmt , ML_Fmt , MSDOS_Batch_File_Fmt , M_Fmt , Makefile_Fmt , Markdown_Fmt , Mathematica_Fmt , Matlab_Fmt , Max_Code_Fmt , Mercury_Fmt , Modelica_Fmt , Modula_2_Fmt , Monkey_Fmt , Moocode_Fmt , NL_Fmt , NSIS_Fmt , NetLogo_Fmt , NewLisp_Fmt , Nginx_Fmt , Nix_Fmt , Nu_Fmt , OCaml_ |

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|------------------------|--------|--------|------|---------|----------|---------|-----|--|
| | | | | | | | | | Fmt , ObjC_Fmt , ObjCpp_Fmt , ObjJ_Fmt , OpenCL_Fmt , OpenEdge_ABL_Fmt , OpenSCAD_Fmt , Ox_Fmt , Oxygene_Fmt , Oz_Fmt , PAWN_Fmt , PHP_Fmt , PLSQL_Fmt , PLpgSQL_Fmt , Pan_Fmt , Parrot_Assembly_Fmt , Pascal_Fmt , Perl_Fmt , PicoLisp_Fmt , Pike_Fmt , Pony_Fmt , Powershell_Fmt , Processing_Fmt , Prolog_Fmt , Puppet_Fmt , PureBasic_Fmt , Python_Fmt , QMake_Fmt , RAML_Fmt , RDoc_Fmt , REXX_Fmt , R_Fmt , Racket_Fmt , Ragel_Fmt , Rascal_Fmt , Rebol_Fmt , Red_Fmt , RenPy_Fmt , RenderScript_Fmt , Ring_Fmt , RobotFramework_Fmt , Ruby_Fmt , Rust_Fmt , SAS_Fmt , SGML_Fmt , SPARQL_Fmt , SQLPL_Fmt , SQL_Fmt , SaltStack_Fmt , Scala_Fmt , Scheme_Fmt , Scilab_Fmt , Scribe_Fmt , Shell_Fmt , Smalltalk_Fmt , Squirrel_Fmt , Stan_Fmt , Stata_Fmt , Stylus_Fmt , SuperCollider_Fmt , Swift_Fmt , SystemVerilog_Fmt , TSV_Fmt , TSV_Fmt , TXL_Fmt , Tcl_Fmt , Tex_Fmt , Turing_Fmt , Turtle_Fmt , TypeScript_Fmt , UrWeb_Fmt , Verilog_Fmt , Vim_script_Fmt , Visual_Basic_Fmt , WebAssembly_Fmt , WebIDL_Fmt , Wiki_Fmt , X10_Fmt , XQuery_Fmt , Xojo_Fmt , Xtend_Fmt , YAML_Fmt , YANG_Fmt , Zephir_Fmt , eC_Fmt , reStructuredText_Fmt , xBase_Fmt |
| aiffsr | Audio Interchange File | M | N | N | N | Y | N | N | AIFF_Fmt |

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|---------|--|--------|--------|------|---------|----------|---------|-----|---|
| | Format | | | | | | | | |
| asfsr | Advanced Systems Format (1.2) | N | N | N | N | Y | N | N | ASF_Fmt , WMA_Fmt , WMV_Fmt |
| assr | Applix Spreadsheets (4.2, 4.3, 4.4) | Y | Y | Y | N | N | Y | N | Applix_Spreadsheets_Fmt |
| awsr | Applix Words (3.11, 4, 4.1, 4.2, 4.3, 4.4) | Y | Y | Y | N | N | Y | Y | Applix_Words_Fmt |
| axsr | Applix Asterix | Y | T | T | N | N | N | N | Applix_Alis_Fmt |
| b1sr | B1 | N | N | Y | Y | N | n/a | N | B1_Fmt |
| bkfsr | Microsoft Backup File | N | N | Y | Y | N | n/a | N | BKF_Fmt |
| bmpsr | Windows Bitmap | M | M | N | N | Y | N | N | BMP_Fmt |
| bzip2sr | Bzip2 | N | N | Y | Y | N | n/a | N | BZIP2_Fmt |
| cabsr | Microsoft Cabinet format (1.3) | N | N | Y | Y | N | n/a | N | CAB_Fmt |
| cdsr | Convergent Technologies DEF | Y | T | T | N | N | N | N | CT_DEF_Fmt |

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|--|--------|--------|------|---------|----------|---------|-----|-------------------------------------|
| cebsr ¹ | Founder Chinese E-paper Basic (3.2.1) | Y | N | N | N | N | N | N | Founder_CEB_Fmt |
| chmsr | Microsoft Compiled HTML Help (3) | N | N | Y | Y | N | n/a | N | CHM_Fmt |
| csvsr | Comma Separated Values | Y | Y | Y | N | N | N | N | CSV_Fmt |
| dbfsr | dBase Database (III+, IV) | Y | Y | Y | N | N | N | N | dBase_Fmt |
| dbxsr | Microsoft Outlook DBX (5.0, 6.0) | N | N | Y | Y | Y | Y | N | MS_OEDBX_Fmt |
| dcasr | IBM DCA/RFT (Revisable Form Text) (SC23-0758-1) | Y | Y | Y | N | N | Y | N | DCA_RFT_Fmt |
| dcmsr | Digital Imaging & Communications in Medicine (DICOM) | M | N | N | N | Y | N | N | Dicom_Fmt |
| difsr | Data | Y | Y | Y | N | N | N | N | DIF_SpreadSheet_Fmt |

¹This reader is only supported on Windows 32-bit platforms.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|---|--------|--------|------|---------|----------|---------|-----|---------------------------------------|
| | Interchange Format | | | | | | | | |
| dmgsr | Mac Disk Copy Disk Image | N | N | Y | Y | N | n/a | N | DMG_Fmt |
| dw4sr | DisplayWrite (4) | Y | Y | Y | N | N | Y | N | IBM_Display_Write_Fmt |
| dxlsr | Domino XML Language ¹ | N | N | Y | Y | Y | N | N | Lotus_Domino_DXL_Fmt |
| emlsr ² | Text Mail (MIME) / Microsoft Outlook Express (Windows 6, MacIntosh 5) | Y | T | T | Y | Y | Y | N | SMTP_Fmt |
| emxsr | Legato EMailXtender Archive | N | N | Y | Y | N | n/a | N | EMX_Fmt |
| encase2sr | Expert Witness Compression Format (EnCase) (7) | N | N | Y | Y | N | n/a | N | EnCase_Fmt |
| encasesr | Expert Witness | N | N | Y | Y | N | n/a | N | EnCase_Fmt |

¹Supports non-encrypted embedded files only.

²This reader supports both clear signed and encrypted S/MIME. KeyView supports S/MIME for PST, EML, MBX, and MSG files.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|---------|---|--------|--------|------|---------|----------------|---------|-----|---|
| | Compression Format (EnCase) (6) | | | | | | | | |
| entsr | Microsoft Entourage Database (2004) | N | N | Y | Y | Y | Y | N | ENT_Fmt |
| epubsr | Open Publication Structure eBook (2.0, 3.0) | Y | Y | Y | N | Y | Y | N | Epub_Fmt |
| exesr | Executable | N | N | Y | N | N | n/a | N | MS_Executable_Fmt |
| foliosr | Folio Flat File (3.1) | Y | Y | Y | N | Y | Y | Y | Folio_Flat_Fmt |
| gdsiisr | GDSII | Y | T | T | N | N | N | N | GDSII_Fmt |
| gifsr | GIF (87, 89) | M | M | N | N | Y | N | N | GIF_87a_Fmt , GIF_89a_Fmt |
| gwfssr | GroupWise FileSurf | N | N | Y | Y | Y | N | N | GWFS_Email_Fmt |
| hl7sr | Health level7 (2.0) | Y | Y | Y | N | Y | Y | N | HI7_Fmt |
| htmsr | HTML/XHTML (3, 4) | Y | Y | Y | N | Y ¹ | Y | N | HTML_Fmt , Netscape_Bookmark_File_Fmt |
| hwposr | Haansoft Hangul | Y | Y | Y | Y | Y | Y | N | HWP_Fmt |

¹HTML only supports partial metadata extraction

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-----------------------|--|--------|--------|------|---------|----------|---------|-----|---------------------------------|
| | (2002, 2005, 2007, 2010) | | | | | | | | |
| hwpsr | Haansoft Hangul (97) | Y | Y | Y | N | Y | Y | N | HWP_Fmt |
| ichatsr | Apple iChat Log (1, AV 2, AV 2.1, AV 3) | Y | Y | Y | N | N | N | N | Apple_iChat_Fmt |
| icssr | Microsoft Outlook iCalendar (1.0, 2.0) | N | N | Y | Y | Y | Y | N | ICS_Fmt |
| isosr | ISO | N | N | Y | Y | N | n/a | N | ISO_Fmt |
| iwss13sr ¹ | Apple iWork Numbers ('13, '16, '18, iCloud 2018) | Y | T | T | N | N | Y | N | IWSS13_Fmt |
| iwsssr | Apple iWork Numbers ('08, '09) | Y | Y | Y | N | Y | Y | N | IWSS_Fmt |
| iwwp13sr ² | Apple iWork Pages ('13, '16, '18, iCloud 2018) | Y | T | T | N | N | N | N | IWWP13_Fmt |

¹This reader is available only on Windows (32-bit and 64-bit), Linux (32-bit and 64-bit), and Solaris x86-64.

²This reader is available only on Windows (32-bit and 64-bit), Linux (32-bit and 64-bit), and Solaris x86-64.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|----------|--|--------|--------|------|---------|----------|---------|-----|--|
| iwwpsr | Apple iWork Pages ('08, '09) | Y | Y | Y | N | Y | Y | N | IWWP_Fmt |
| jp2000sr | JPEG (2000) | M | M | N | N | Y | N | N | ISO_JPEG2000_JP2_Fmt , ISO_JPEG2000_JPM_Fmt , ISO_JPEG2000_JPX_Fmt , JPEG_2000_JP2_File_Fmt , JPEG_2000_PGX_Fmt , Motion_JPEG_2000_Fmt |
| jpgsr | JPEG (JFIF) | M | M | N | N | Y | N | N | JPEG_File_Interchange_Fmt |
| jtdsr | JustSystems Ichitaro (8 to 2013, 2018) | Y | Y | Y | N | P | N | Y | ICHITARO_Compr_Fmt , ICHITARO_Fmt |
| kpagrdr | Applix Presents (4.0, 4.2, 4.3, 4.4) | Y | Y | Y | N | N | N | N | Applix_Graphics_Fmt |
| kpanirdr | Windows Animated Cursor | N | Y | Y | N | N | N | N | Windows_Animated_Cursor_Fmt |
| kpbmprdr | Windows Bitmap | N | Y | Y | N | N | N | N | BMP_Fmt |
| kpCATrdr | CATIA formats (5) | Y | N | N | N | Y | N | N | CATIA_Fmt |
| kpcdrdr | CorelDRAW ¹ (through 9.0, 10, 11, 12, X3) | N | Y | Y | N | N | N | N | Corel_Draw_Fmt |

¹CDR/CDR with TIFF header.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-----------------------|--|--------|--------|------|---------|----------|---------|-----|--|
| kpcgmrdr ¹ | Computer Graphics Metafile | Y | Y | Y | N | N | N | N | CGM_Binary_Fmt , CGM_Character_Fmt , CGM_ClearText_Fmt |
| kpchtrdr | Microsoft Excel (2-7) and Lotus 1-2-3 Charts (2-5) | N | Y | Y | N | N | N | N | |
| kpdcxrdr | DCX Fax System | N | Y | Y | N | N | N | N | DCX_Fmt |
| kpDWGrdr ² | AutoCAD Drawing (R13 onwards) | Y | Y | Y | N | Y | Y | N | AutoDesk_DWG_Fmt |
| kpDXFrdr ³ | AutoCAD Drawing Exchange (R13 onwards) | Y | Y | Y | N | Y | Y | N | AutoCAD_DXF_Binary_Fmt , AutoCAD_DXF_Text_Fmt |
| kpemfrdr | Enhanced Metafile | Y | Y | Y | N | Y | N | N | Enhanced_Metafile_Fmt |
| kpepsrdr | Encapsulated PostScript | N | Y | Y | N | N | N | N | EPSF_Fmt , Preview_EPSF_Fmt |

¹Files with non-partitioned data are supported.

²The kpODArdr reader can filter, export, and view all versions but is supported only on Windows, Linux, and macOS. The kpDWGrdr reader is used on AIX, FreeBSD, Solaris, and SPARC platforms, but does not support graphics for versions after 2004 or text for versions after 2013.

³The kpODArdr reader can filter, export, and view all versions but is supported only on Windows, Linux, and macOS. The kpDXFrdr reader is used on AIX, FreeBSD, Solaris, and SPARC platforms, but does not support graphics for versions after 2004.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------------|--|--------|--------|------|---------|----------|---------|-----|--|
| | (raster) (TIFF header) | | | | | | | | |
| kpGFLrdr | Omni Graffle | Y | N | N | N | Y | Y | N | Omni_Graffle_XML_Fmt |
| kpgifdr | GIF (87, 89) | N | Y | Y | N | N | N | N | GIF_87a_Fmt , GIF_89a_Fmt |
| kplicordr | Windows Icon Cursor | N | Y | Y | N | N | N | N | Windows_Icon_Fmt |
| kpIWPG13rdr ¹ | Apple iWork Keynote ('13, '16, '18, iCloud 2018) | Y | T | N | N | N | N | N | IWPG13_Fmt |
| kpIWPGrdr | Apple iWork Keynote (2, 3, '08, '09) | Y | Y | Y | N | Y | Y | N | IWPG13_Fmt , IWPG_Fmt |
| kpJBIG2rdr | JBIG2 | N | Y | Y | N | N | N | N | JBIG2_Fmt |
| kpjp2000rdr | JPEG (2000) | N | Y | Y | N | N | N | N | ISO_JPEG2000_JP2_Fmt , ISO_JPEG2000_JPM_Fmt , ISO_JPEG2000_JPX_Fmt , JPEG_2000_JP2_File_Fmt , JPEG_2000_PGX_Fmt , Motion_JPEG_2000_Fmt |
| kpjpgdr | JPEG (JFIF) | N | Y | Y | N | N | N | N | JPEG_File_Interchange_Fmt |
| kpmacrdr | MacPaint | N | Y | Y | N | N | N | N | MacPaint_Fmt |

¹This reader is available only on Windows (32-bit and 64-bit), Linux (32-bit and 64-bit), and Solaris x86-64.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|----------|---|--------|--------|------|----------------|----------------|---------|----------------|--|
| kpmsordr | Microsoft Office Drawing | N | Y | Y | N | N | N | N | MS_Office_Drawing_Fmt |
| kpODArdr | ODA | Y | Y | Y | N | Y | Y | N | AutoCAD_DXF_Binary_Fmt , AutoCAD_DXF_Text_Fmt , AutoDesk_DWG_Fmt |
| kpodfrdr | OASIS Open Document Format (1, 2 ¹) | Y | Y | Y | Y ² | Y | Y | N | ODF_Drawing_Fmt , ODF_Drawing_Template_Fmt , ODF_Presentation_Fmt , ODF_Presentation_Template_Fmt , SO_Drawing_XML_Fmt , SO_Presentation_XML_Fmt |
| kpONErdr | Microsoft OneNote (2007, 2010, 2013, 2016) | Y | Y | Y | Y | N | Y | N | OneNote_Fmt |
| kpp40rdr | Microsoft PowerPoint (98) | Y | Y | Y | N | P ³ | N | N | PowerPoint_Win_Fmt |
| kpp95rdr | Microsoft PowerPoint Windows (95) | Y | Y | Y | N | P | Y | N | PowerPoint_95_Fmt |
| kpp97rdr | Microsoft PowerPoint (97-2004) | Y | Y | Y | N | P | Y | Y ⁴ | PowerPoint_2000_Fmt , PowerPoint_97_Fmt |

¹Generated by OpenOffice Impress 2.0, StarOffice 8 Impress, and IBM Lotus Symphony Presentation 3.0.

²Supported using the olesr embedded objects reader.

³Microsoft PowerPoint Windows only

⁴Microsoft PowerPoint Windows only

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|------------------------|---|--------|--------|------|---------|----------|---------|-----|---|
| kppctrdr | Macintosh Raster (2) | N | Y | Y | N | N | N | N | Mac_PICT_Fmt |
| kppcxrdr | PC PaintBrush (3) | N | Y | Y | N | N | N | N | PC_Paintbrush_Fmt |
| kppdf2rdr ¹ | Adobe PDF (1.1 to 1.7, 2.0) | N | N | Y | N | N | N | N | PDF_Fmt |
| kppdfdr | Adobe PDF (1.1 to 1.7, 2.0) | N | Y | Y | N | N | N | N | PDF_Fmt |
| kppicrdr | Lotus Pic | Y | Y | Y | N | N | N | N | Lotus_PIC_Fmt |
| kppngrdr | Portable Network Graphics | N | Y | Y | N | N | N | N | APNG_Fmt , PNG_Fmt |
| kpppxrdr | Microsoft PowerPoint Windows XML (2007 onwards) | Y | Y | Y | Y | Y | Y | Y | MS_PPT_2007_Fmt , MS_PPT_Macro_2007_Fmt |
| kpprerdr | Lotus Freelance Graphics 2 (2) | Y | Y | Y | N | N | N | N | Freelance_OS2_Fmt , Freelance_Win_Fmt |
| kpprzrdr | Lotus Freelance Graphics (96, 97, 98, R9, 9.8) | Y | Y | Y | N | N | N | N | Freelance_96_Fmt , Freelance_97_Fmt , Freelance_DOS_Fmt |

¹kppdf2rdr is an alternate graphic-based reader that produces high-fidelity output but does not support other features such as highlighting or text searching.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-----------|--|--------|--------|------|---------|----------|---------|-----|--|
| kpsddrdr | StarOffice Impress (3, 4, 5) | Y | T | N | N | N | N | N | SO_Presentation_Fmt |
| kpsdwrdr | Lotus AMIDraw Graphics | N | Y | Y | N | N | N | N | Ami_Pro_Draw_Fmt , SO_Text_Fmt |
| kpsgirdr | SGI RGB Image | N | Y | Y | N | N | N | N | SGI_Image_Fmt |
| kpsdwrdr | Corel Presentations (6, 7, 8, 9, 10, 11, 12, X3) | Y | Y | Y | N | N | N | N | Corel_Presentations_Fmt |
| kpsunrdr | Sun Raster Image | N | Y | Y | N | N | N | N | Sun_Raster_Fmt |
| kpTGArdr | Truevision Targa (2) | N | Y | Y | N | N | N | N | Targa_Fmt |
| kptifdr | Tagged Image File (through 6.0 ¹) | N | Y | Y | N | N | N | N | TIFF_Fmt |
| kpUGrdr | Unigraphics (UG) NX | Y | N | N | N | N | N | N | Unigraphics_NX_Fmt |
| kpVSD2rdr | Microsoft Visio | Y | Y | Y | N | Y | Y | N | MS_Visio_Fmt |

¹The following compression types are supported: no compression, CCITT Group 3 1-Dimensional Modified Huffman, CCITT Group 3 T4 1-Dimensional, CCITT Group 4 T6, LZW, JPEG (only Gray, RGB and CMYK color space are supported), and PackBits.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-----------|--|----------------|--------|------|---------|----------|---------|-----|---|
| | (4, 5, 2000, 2002, 2003, 2007, 2010 ¹) | | | | | | | | |
| kpVSDXrdr | Microsoft Visio (2013) | Y | Y | Y | Y | Y | Y | N | MS_Visio_2013_Fmt , MS_Visio_2013_Macro_Fmt , MS_Visio_2013_Stencil_Fmt , MS_Visio_2013_Stencil_Macro_Fmt , MS_Visio_2013_Template_Fmt , MS_Visio_2013_Template_Macro_Fmt |
| kpwg2rdr | WordPerfect Graphics 2 (2, 7) | N | Y | Y | N | N | N | N | WordPerfect_Graphics_Fmt |
| kpwmfrdr | Windows Metafile (3) | Y ² | Y | Y | N | N | N | N | Windows_Metafile_Fmt , Windows_Metafile_NoHdr_Fmt |
| kpwpgrdr | WordPerfect Graphics 1 (1) | N | Y | Y | N | N | N | N | WordPerfect_Graphics_Fmt |
| kpXFDLrdr | Extensible Forms Description Language | Y | Y | Y | N | Y | Y | N | XFDL_Fmt |
| kvgz | GZIP (2) | N | N | Y | N | N | n/a | N | GZ_Compress_Fmt |

¹Viewing and Export use the graphic reader, kpVSD2rdr for Microsoft Visio 2003, 2007, and 2010, and vsdsr for all earlier versions. Image fidelity in Viewing and Export is therefore only supported for versions 2003 and above. Filter uses the graphic reader kpVSD2rdr for Microsoft Visio 2003, 2007, and 2010, and vsdsr for all earlier versions.

²Windows Metafiles can contain both raster images (KeyView file class 4) and vector graphics (KeyView file class 5). Filtering is supported only for vector graphics (class 5).

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|----------|---|--------|--------|------|---------|----------------|----------------|----------------|--|
| kvgzsr | GZIP (2) | N | N | N | Y | N | n/a | N | GZ_Compress_Fmt |
| kvhqxsr | BinHex | N | N | Y | Y | N | n/a | N | BinHex_Fmt |
| kvzee | UNIX Compress | N | N | Y | N | N | n/a | N | Compress_Fmt |
| kvzeesr | UNIX Compress | N | N | N | Y | N | n/a | N | Compress_Fmt |
| l123sr | Lotus 1-2-3 (96, 97, R9, 9.8) | Y | Y | Y | N | P | Y | N | Lotus_123_97_Fmt , Lotus_123_Format_Fmt , Lotus_123_R9_Fmt |
| lasr | Lotus AMI Pro and Write Plus (2, 3) | Y | Y | Y | N | P ¹ | Y ² | Y | Ami_Pro_Fmt , Ami_Pro_StyleSheet_Fmt |
| lwpsr | Lotus Word Pro and SmartMaster (96, 97, R9) | Y | Y | Y | N | P ³ | N | Y ⁴ | Lotus_Word_Pro_96_Fmt , Lotus_Word_Pro_97_Fmt |
| lzhsr | Microsoft Compressed Folder | N | N | N | Y | N | n/a | N | LZH_Fmt |
| macbinsr | MacBinary | N | N | Y | Y | N | n/a | N | MacBinary_Fmt |
| mbsr | Microsoft Word | Y | Y | Y | N | Y | N | Y | MS_Word_Mac_4_Fmt , MS_Word_Mac_ |

¹Lotus AMI Pro only

²Lotus AMI Pro only

³Lotus Word Pro only

⁴Lotus Word Pro only

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|--|----------------|--------|------|---------|----------|----------------|-----|---|
| | Macintosh (4, 5, 6, 98) | | | | | | | | Fmt |
| mbxsr ¹ | Text Mail (MIME), Microsoft Outlook Express (Windows 6, MacIntosh 5), Mailbox ² (Thunderbird 1.0, Eudora 6.2) | Y ³ | N | T | Y | Y | Y | N | MIME_Fmt |
| MCI | Microsoft Media Control Interface | N | N | Y | N | N | N | N | AIFF_Fmt , AU_Audio_Fmt , ISO_QuickTime_Fmt , MIDI_Audio_Fmt , MPEG_Audio_Fmt , MS_Video_Fmt , MS_WAVE_Audio_Fmt , Mobile_QuickTime_Fmt , QuickTime_Fmt |
| mdbsr | Microsoft Access (95 onwards) | Y | T | T | N | N | Y ⁴ | N | MS_Access_2000_Fmt , MS_Access_2007_Fmt , MS_Access_95_Fmt , MS_Access_97_Fmt , MS_Access_Fmt |
| mhtsr | MIME HTML | Y | Y | Y | N | Y | Y | N | MHT_Fmt |

¹This reader supports both clear signed and encrypted S/MIME. KeyView supports S/MIME for PST, EML, MBX, and MSG files.

²KeyView supports MBX files created by Eudora Email and Mozilla Thunderbird. MBX files created by other common mail applications are typically filtered, converted, and displayed.

³Text Mail only

⁴Charset is not supported for Microsoft Access 95 or 97.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|---------|--|--------|--------|------|---------|----------|---------|-----|---|
| mifsr | Adobe FrameMaker Interchange Format (5, 5.5, 6, 7) | Y | Y | Y | N | N | Y | N | Maker_Interchange_Fmt |
| misr | Microsoft Word Windows (1.0, 2.0) | Y | Y | Y | N | N | N | Y | MS_Word_Win_Fmt |
| mp3sr | MPEG-1 Audio layer3 (ID3 v1 and v2) | M | M | Y | N | Y | N | N | MPEG_Audio_Fmt |
| mpeg4sr | MPEG video | M | N | N | N | Y | N | N | Adobe_Flash_Audio_Book_Fmt , Adobe_Flash_Audio_Fmt , Adobe_Flash_Protected_Video_Fmt , Adobe_Flash_Video_Fmt , Audible_Audiobook_Fmt , ISO_3GPP2_Fmt , ISO_3GPP_Fmt , ISO_IEC_MPEG_4_Fmt , KDDI_Video_Fmt , MPEG4_AVC_Fmt , MPEG4_M4A_Fmt , MPEG4_M4B_Fmt , MPEG4_M4P_Fmt , MPEG4_M4V_Fmt , MPEG4_Sony_PSP_Fmt , MPEG_21_Fmt , NTT_MPEG4_Fmt , Nero_MPEG4_Audio_Fmt , QuickTime_Fmt , Sony_XAVC_Fmt |
| mppsr | Microsoft Project (2000 onwards) | Y | Y | Y | Y | Y | Y | N | MS_Project_2000_Fmt , MS_Project_2007_Fmt , MS_Project_41_Fmt , MS_Project_4_Fmt , MS_Project_98_Fmt |

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-------------------------|--|----------------|----------------|----------------|---------|----------|----------------|-----|---|
| msgsr ¹ | Microsoft Outlook (97 onwards), Documentum EMCMF | Y ² | T ³ | Y ⁴ | Y | Y | Y ⁵ | N | EMCMF_Fmt , MS_Outlook_Fmt |
| mspubsr | Microsoft Publisher (98 to 2016) | Y | T | T | Y | Y | Y | N | MS_Publisher_98_Fmt , MS_Publisher_Fmt |
| msw6sr | Microsoft Works (6, 2000) | Y | Y | Y | N | N | N | Y | MS_Works_Win_WP_Fmt |
| mwsr | Microsoft Works (1, 2, 3, 4) | Y | Y | Y | N | N | N | Y | MS_Works_Win_WP_Fmt |
| multiarcsr ⁶ | Compressed formats | N | N | Y ⁷ | Y | N | n/a | N | ARJ_Fmt , RAR5_Fmt , XZ_Fmt |
| mw6sr | Microsoft Word Windows (6, 7, 8, 95) | Y | Y | Y | N | Y | Y | Y | MS_Word_95_Fmt |

¹This reader supports both clear signed and encrypted S/MIME. KeyView supports S/MIME for PST, EML, MBX, and MSG files.

²Except Documentum EMCMF

³Except Documentum EMCMF

⁴For Outlook this is Text only

⁵Returns "Unicode" character set for Outlook version 2003 and up, and "Unknown" character set for previous versions.

⁶zip is supported with the multiarcsr reader on some platforms for Extract.

⁷zip and SUN PEX archives only

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|---|--------|--------|------|----------------|----------|----------------|----------------|---|
| mw8sr | Microsoft Word (97-2004) | Y | Y | Y | Y ¹ | Y | Y | Y ² | MS_Word_2000_Fmt , MS_Word_97_Fmt |
| mwsr | Microsoft Word PC (4-6) and Windows Write (1-3) | Y | Y | Y | N | N | Y ³ | Y ⁴ | MS_Windows_Write_Fmt , MS_Word_PC_Driver_Fmt , MS_Word_PC_Fmt , MS_Word_PC_Glossary_Fmt , MS_Word_PC_Misc_Fmt , MS_Word_PC_StyleSheet_Fmt |
| mwssr | Microsoft Works Spreadsheet (2, 3, 4) | Y | Y | Y | N | N | Y | N | MS_Works_DOS_SS_Fmt , MS_Works_Mac_SS_Fmt , MS_Works_Win_SS_Fmt |
| mwxsr | Microsoft Word XML (2007 onwards) | Y | Y | Y | Y | Y | Y | Y | MS_Word_2007_Flat_XML_Fmt , MS_Word_2007_Fmt , MS_Word_Macro_2007_Fmt |
| nnsr | NBI Net Archive | Y | T | T | N | N | N | N | NBI_Net_Archive_Fmt |
| nsfsr | Lotus Notes database (4, 5, 6.0, 6.5, 7.0, 8.0) | N | N | Y | Y | Y | N | N | Lotus_Notes_NSF_Fmt |
| oa2sr | Fujitsu Oasys (7) | Y | Y | Y | N | P | N | N | Oasys_Fmt |
| odfssr | OASIS Open | Y | Y | Y | Y ⁶ | Y | Y | N | ODF_Spreadsheet_Fmt , ODF_ |

¹Supported using the embedded objects reader olesr.

²Microsoft Word for Windows only

³Microsoft Windows Write only

⁴Microsoft Word PC only

⁶Supported using the embedded objects reader olesr.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|----------|---|--------|--------|------|----------------|----------|---------|-----|--|
| | Document Format (1, 2 ¹) | | | | | | | | Spreadsheet_Template_Fmt |
| odfwpsr | OASIS Open Document Format (1, 2 ²) | Y | Y | Y | Y ³ | Y | Y | Y | ODF_Text_Fmt , ODF_Text_Template_Fmt , SO_Text_XML_Fmt |
| olesr | Windows Scrap File | N | N | N | Y | N | n/a | N | OLE_Fmt , Scrap_Fmt , Windows_Installer_Fmt |
| olmsr | Microsoft Outlook for Macintosh (2011) | N | N | Y | Y | N | Y | N | MS_OutlookOLM_Fmt |
| onealtsr | Microsoft OneNote Alternate Format (2007 onwards) | Y | T | T | Y | N | N | N | OneNote_Alternate_Fmt |
| onmsr | Legato Extender | N | N | Y | Y | Y | N | N | Legato_Extender_ONM_Fmt |
| oo3sr | Omni Outliner (v3, OPML, OOutline) | Y | Y | Y | N | N | Y | N | OO3_Fmt , OOUTLINE_Fmt , OPML_Fmt |
| pbixsr | Microsoft Power BI (1.11) | Y | T | T | N | N | Y | N | MS_Power_BI_Fmt |

¹Generated by OpenOffice Calc 2.0, StarOffice 8 Calc, and IBM Lotus Symphony Spreadsheet 3.0.

²Generated by OpenOffice Writer 2.0, StarOffice 8 Writer, and IBM Lotus Symphony Documents 3.0.

³Supported using the embedded objects reader olesr.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|---|----------------|----------------|----------------|----------------|----------------|---------|-----|---|
| pdf2sr | Adobe PDF (1.1 to 1.7, 2.0) | N | Y | N | N | N | N | N | PDF_Fmt |
| pdfsr | Adobe PDF (1.1 to 1.7, 2.0) | Y | Y | N | Y ¹ | Y | Y | N | PDF_Fmt , Portfolio_PDF_Fmt |
| pffsr ² | Microsoft Outlook Offline Storage File (97 onwards) | N | N | Y | Y | Y | Y | N | MS_OutlookOST_Fmt |
| pfilesr | pFiles | Y ³ | T ⁴ | T ⁵ | N | Y | N | N | RMS_Protected_Fmt |
| pngsr | Portable Network Graphics | M | M | N | N | Y | N | N | PNG_Fmt |
| psdsr | Adobe Photoshop | N | N | N | N | Y ⁶ | N | N | PSD_Fmt |

¹Includes support for extraction of subfiles from PDF Portfolio documents.

²The reader pffsr is available only on Windows and Linux.

³KeyView filters only the internal redirection text. The underlying document text is not accessible without the decryption key.

⁴KeyView filters only the internal redirection text. The underlying document text is not accessible without the decryption key.

⁵KeyView filters only the internal redirection text. The underlying document text is not accessible without the decryption key.

⁶Only XMP metadata is extracted for this format.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|---|--------|--------|------|---------|----------|---------|-----|-----------------------------------|
| pstnsr | Microsoft Outlook Personal Folder ¹ (97 onwards) | N | N | Y | Y | Y | Y | N | MS_OutlookPST_Fmt |
| pstsr ² | Microsoft Outlook Personal Folder ³ (97 onwards) | N | N | Y | Y | Y | N | N | MS_OutlookPST_Fmt |
| pstxsr | Microsoft Outlook Personal Folder ⁴ (97 onwards) | N | N | Y | Y | Y | Y | N | MS_OutlookPST_Fmt |

¹KeyView provides several readers capable of processing PST files. The pstsr reader uses the Microsoft Messaging Application Programming Interface (MAPI), works only on Windows, and requires that you have Microsoft Outlook installed. The pstxsr reader is available for Windows (32-bit and 64-bit) and Linux (64-bit only) and does not require Microsoft Outlook. The pstnsr reader is an alternative reader that does not require Microsoft Outlook, for all platforms not supported by pstxsr. For more information about these readers, see "Extract Subfiles from Outlook Personal Folders Files" in Chapter 3.

²This reader supports both clear signed and encrypted S/MIME. KeyView supports S/MIME for PST, EML, MBX, and MSG files.

³KeyView provides several readers capable of processing PST files. The pstsr reader uses the Microsoft Messaging Application Programming Interface (MAPI), works only on Windows, and requires that you have Microsoft Outlook installed. The pstxsr reader is available for Windows (32-bit and 64-bit) and Linux (64-bit only) and does not require Microsoft Outlook. The pstnsr reader is an alternative reader that does not require Microsoft Outlook, for all platforms not supported by pstxsr. For more information about these readers, see "Extract Subfiles from Outlook Personal Folders Files" in Chapter 3.

⁴KeyView provides several readers capable of processing PST files. The pstsr reader uses the Microsoft Messaging Application Programming Interface (MAPI), works only on Windows, and requires that you have Microsoft Outlook installed. The pstxsr reader is available for Windows (32-bit and 64-bit) and Linux (64-bit only) and does not require Microsoft Outlook. The pstnsr reader is an alternative reader that does not require Microsoft Outlook, for all platforms not supported by pstxsr. For more information about these readers, see "Extract Subfiles from Outlook Personal Folders Files" in Chapter 3.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|-----------|--|--------|--------|------|---------|----------|---------|-----|---|
| pwsr | Primeword | Y | T | T | N | N | N | N | PRIMEWORD_Fmt |
| qpssr | Corel Quattro Pro (5, 6, 7, 8) | Y | Y | Y | N | P | Y | N | Quattro_Pro_Win_Fmt |
| qpwsr | Corel Quattro Pro (X4) | Y | N | Y | N | P | Y | N | QPW_Fmt |
| rarsr | RAR archive (2.0 through 3.5) | N | N | N | Y | N | n/a | N | RAR_Fmt |
| riffr | Microsoft Wave Sound | M | N | N | N | Y | N | N | MS_WAVE_Audio_Fmt |
| rtfsr | Rich Text Format (1 through 1.7) | Y | Y | Y | N | P | Y | Y | MS_Pocket_Word_Fmt , MS_RTF_Fmt |
| skypesr | Skype Log (3) | Y | Y | Y | N | N | N | N | Skype_Fmt |
| sosr | OpenOffice, LibreOffice(1-5), StarOffice (6-9) | Y | T | T | N | Y | Y | N | SO_Spreadsheet_XML_Fmt |
| starcsr | StarOffice Calc (3, 4, 5) | Y | T | T | N | N | N | N | SO_Spreadsheet_Fmt |
| starwsr | StarOffice Writer (3, 4, 5) | Y | T | T | N | N | N | N | SO_Text_Fmt |
| stringssr | Generic 'strings' reader | Y | T | T | N | N | N | N | BeagleWorks_Word_Fmt , CEOwrite_Fmt , CPT_Comm_Fmt , CWK_Fmt , DG_CDS_Fmt , DSA101_Fmt , Data_Point_VistaWord_Fmt , Enable_WP_Fmt , |

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|---------------------------|--------|--------|------|---------|----------|----------------|-----|--|
| | | | | | | | | | GreatWorks_Word_Fmt, HP_Word_PC_Fmt, IBM_DCF_Script_Fmt, IBM_Writing_Assistant_Fmt, Lotus_Notes_CDF_Fmt, Lyrix_Fmt, MASS_11_Fmt, MS_Works_DOS_WP_Fmt, MS_Works_Mac_WP_Fmt, MacWrite_Fmt, MacWrite_II_Fmt, Multimate_Adv_Fmt, Multimate_Adv_Fnote_Fmt, Multimate_Adv_II_Fmt, Multimate_Adv_II_Fnote_Fmt, Multimate_Fmt, Multimate_Fnote_Fmt, Navy_DIF_Fmt, ODA_Q1_11_Fmt, ODA_Q1_12_Fmt, Office_Writer_Fmt, Psion_TextEd_Fmt, Psion_Word_3_Fmt, Psion_Word_Fmt, Q_A_DOS_Fmt, Q_A_Win_Fmt, Quadratron_Q_One_v1_Fmt, Quadratron_Q_One_v2_Fmt, Quickword_Fmt, SAMNA_Word_IV_Fmt, Symbol_Dynamics_EXP_Fmt, Targon_Word_Fmt, Uniplex_WP_Fmt, Volkswriter_Fmt, WANG_WITA_Fmt, WANG_WPS_Comm_Fmt, WPS_PLUS_Fmt, WordERA_Fmt, WordMARC_Fmt, WordPerfect_Fmt, WordStar_2000_Fmt, WordStar_Fmt, WordStar_for_Windows_Fmt, Word_Connection_Fmt, WriteNow_Fmt, Xerox_860_Comm_Fmt, Xerox_Writer_Fmt |
| swfsr | Macromedia Flash (through | Y | Y | Y | N | N | Y ¹ | N | Macromedia_Flash_Fmt |

¹The character set cannot be determined for versions 5.x and lower.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|----------|---|--------|--------|----------------|---------|----------|---------|-----|--|
| | 8.0) | | | | | | | | |
| swsr | SmartWare II Word Processor | Y | T | T | N | N | N | N | SmartWare_II_WP_Fmt |
| tarsr | Tape Archive | N | N | Y | Y | N | n/a | N | TAR_Fmt |
| tifsr | Tagged Image File (through 6.0 ¹) | M | M | N | N | Y | N | N | TIFF_Fmt |
| tnefsr | Transport Neutral Encapsulation Format | N | N | Y | Y | Y | Y | N | TNEF_Fmt |
| unihtmsr | Unicode HTML | Y | Y | Y | N | Y | Y | N | Unicode_HTML_Fmt |
| unisr | Unicode Text (3, 4) | Y | Y | Y | N | N | Y | N | Unicode_Fmt |
| unzip | PKZIP/Zip Compression | N | N | Y ² | Y | N | n/a | N | Executable_JAR_Fmt , KMZ_Fmt , ODF_Formula_Fmt , ODF_Formula_Template_Fmt , PKZIP_Fmt , Tableau_Packaged_Data_Source_Fmt , Tableau_Packaged_Workbook_Fmt |
| uudsr | UUEncoding (all versions) | N | N | Y | Y | N | n/a | N | UUEncoded_Fmt |

¹The following compression types are supported: no compression, CCITT Group 3 1-Dimensional Modified Huffman, CCITT Group 3 T4 1-Dimensional, CCITT Group 4 T6, LZW, JPEG (only Gray, RGB and CMYK color space are supported), and PackBits.

²PKZIP, WinZip, and Java Archive only

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|--|--------|--------|------|----------------|----------|---------|-----|--|
| vcfsr | Microsoft Outlook vCard Contact (2.1, 3.0, 4.0) | Y | Y | T | N | Y | N | N | VCF_Fmt |
| vsdsr | Microsoft Visio (4, 5, 2000, 2002, 2003, 2007, 2010 ¹) | Y | Y | Y | Y ² | Y | Y | N | MS_Visio_Fmt |
| wkssr | Lotus 1-2-3 (2, 3, 4, 5) | Y | Y | Y | N | N | Y | N | Lotus_123_Worksheet_Fmt |
| wosr | Corel WordPerfect Windows (5, 5.1) | Y | Y | Y | N | P | Y | Y | WordPerfect_5_Fmt |
| wp6sr | Corel WordPerfect (6 onwards) | Y | Y | Y | N | P | Y | N | WordPerfect_6_Fmt |
| wpmsr | Corel WordPerfect Macintosh (1.02, 2, 2.1, 2.2, 3, 3.1) | Y | Y | Y | N | N | Y | N | WordPerfect_Mac_Fmt |
| xlsbsr | Microsoft Excel Binary Format | Y | Y | Y | N | Y | N | N | MS_Excel_Binary_2007_Fmt |

¹Viewing and Export use the graphic reader, kpVSD2rdr for Microsoft Visio 2003, 2007, and 2010, and vsdsr for all earlier versions. Image fidelity in Viewing and Export is therefore only supported for versions 2003 and above. Filter uses the graphic reader kpVSD2rdr for Microsoft Visio 2003, 2007, and 2010, and vsdsr for all earlier versions.

²Extraction of embedded OLE objects is supported for Filter on Windows platforms only.

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------|--|--------|--------|------|----------------|----------|---------|----------------|---|
| | (2007 onwards) | | | | | | | | |
| xlsr | Microsoft Excel (2.2 to 2004) | Y | Y | Y | Y ¹ | Y | Y | Y ² | Excel_2000_Fmt , Excel_95_Fmt , Excel_97_Fmt , Excel_Chart_Fmt , Excel_Fmt , Excel_Macro_Fmt |
| xlsxr | Microsoft Excel Windows XML (2007 onwards) | Y | Y | Y | Y | Y | Y | Y | MS_Excel_2007_Fmt , MS_Excel_Macro_2007_Fmt |
| xmlsr | XML | Y | T | T | N | Y | Y | N | AMF_Fmt , Adobe_XML_Data_Package_Fmt , Atom_Syndication_Fmt , CDXML_Fmt , Chemical_Markup_Language_Fmt , Collada_DAE_Fmt , ESzigno_Fmt , FictionBook_Fmt , Grasshopper_GHX_Fmt , JNLP_Fmt , JavaView_JVX_Fmt , KML_Fmt , MARC_XML_Fmt , METS_Fmt , MODS_Fmt , MS_Excel_XML_Fmt , MS_Management_Pack_MPX_Fmt , MS_Visio_XML_Fmt , MS_Word_XML_Fmt , MXML_Fmt , Metalink_Fmt , Mozilla_XUL_Fmt , MusicXML_Fmt , Open_Diagnostic_Data_Exchange_Fmt , Open_eBook_Fmt , PDF_XML_Forms_Data_Fmt , PLS_Fmt , RDF_XML_Fmt , RSS_Fmt , Really_Simple_Discovery_Fmt , SBML_Fmt , SMIL_Fmt , SPARQL_Results_Fmt , SRGS_Fmt , SRU_Fmt , SSML_Fmt , SVG_Fmt , SyncML_Fmt , TEI_Fmt , |

¹Supported using the embedded objects reader olesr.

²Microsoft Excel for Windows only

| Reader | Description | Filter | Export | View | Extract | Metadata | Charset | H/F | Associated File Formats |
|--------------------|--------------------------|--------|--------|------|---------|----------|---------|-----|--|
| | | | | | | | | | Tableau_Data_Source_Fmt , Tableau_Map_Source_Fmt , Tableau_Preferences_Fmt , Tableau_Workbook_Fmt , VTK_XML_Fmt , VoiceXML_Fmt , WML_Fmt , Windows_Audio_Playlist_Fmt , XAML_Browser_Application_Fmt , XDF_Fmt , XML_Fmt , XML_Shareable_Playlist_Fmt , XSLT_Fmt , YIN_Fmt |
| xpssr | XML Paper Specification | Y | T | T | N | N | N | N | MS_XPS_Fmt |
| xywsr | XyWrite (4.12) | Y | Y | Y | N | N | N | N | XyWrite_Fmt |
| yimsr ¹ | Yahoo! Instant Messenger | Y | Y | Y | N | N | N | N | YIM_Fmt |
| z7zsr | 7-Zip (4.57) | N | N | Y | Y | N | n/a | N | Z7Z_Fmt |

¹To successfully use this reader, you must set the KV_YAHOO_ID environment variable to the Yahoo user ID. You can optionally set the KV_OTHER_YAHOO_ID environment variable to the other Yahoo user ID. If you do not set it, "Other" is used by default. If you enter incorrect values for the environment variables, erroneous data is generated.

Appendix C: Character Sets

This section provides information on the handling of character sets in the KeyView suite of products, which includes KeyView Filter SDK, KeyView Export SDK, and KeyView Viewing SDK.

- [Multibyte and Bidirectional Support](#) 148
- [Coded Character Sets](#) 156

Multibyte and Bidirectional Support

The KeyView SDKs can process files that contain multibyte characters. A multibyte character encoding represents a single character with consecutive bytes. KeyView can also process text from files that contain bidirectional text. Bidirectional text contains both Latin-based text which is read from left to right, and text that is read from right to left (Hebrew and Arabic).

The following table indicates which character encodings are supported by KeyView for each format.

Multibyte and bidirectional support

| Format | Single-byte | Multibyte | Bidirectional |
|--|-------------|-----------|---------------|
| Archive | | | |
| 7-Zip (7Z) | n/a | n/a | n/a |
| AD1 Evidence file | n/a | n/a | n/a |
| ADJ | n/a | n/a | n/a |
| B1 | n/a | n/a | n/a |
| BinHex (Hqx) | n/a | n/a | n/a |
| Bzip2 (BZ2) | n/a | n/a | n/a |
| EnCase – Expert Witness Compression Format (E01) | n/a | n/a | n/a |
| GZIP (GZ) | n/a | n/a | n/a |
| ISO (ISO) | n/a | n/a | n/a |
| Java Archive (JAR) | n/a | n/a | n/a |
| Legato EMailXtender Archive (EMX) | n/a | n/a | n/a |
| MacBinary (BIN) | n/a | n/a | n/a |
| Mac Disk Copy Disk Image (DMG) | n/a | n/a | n/a |
| Microsoft Backup File (BKF) | n/a | n/a | n/a |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|--|--------------------|------------------|----------------------|
| Microsoft Cabinet format (CAB) | n/a | n/a | n/a |
| Microsoft Compiled HTML Help (CHM) | n/a | n/a | n/a |
| Microsoft Compressed Folder (LZH) | n/a | n/a | n/a |
| PKZip (ZIP) | n/a | n/a | n/a |
| Microsoft Outlook DBX (DBX) | Y | Y | Y |
| Microsoft Outlook Offline Storage File (OST) | Y | Y | Y |
| RAR Archive (RAR) | n/a | n/a | n/a |
| Tape Archive (TAR) | n/a | n/a | n/a |
| UNIX Compress (Z) | n/a | n/a | n/a |
| UUEncoding (UUE) | n/a | n/a | n/a |
| Windows Scrap File (SHS) | n/a | n/a | n/a |
| WinZip (ZIP) | n/a | n/a | n/a |
| Binary | | | |
| Executable (EXE) | n/a | n/a | n/a |
| Link Library (DLL) | n/a | n/a | n/a |
| Computer-aided Design | | | |
| AutoCAD Drawing (DWG) | Y | Y | Y |
| AutoCAD Drawing Exchange (DXF) | Y | Y | Y |
| CATIA formats (CAT) | Y | N | N |
| Microsoft Visio (VSD) | Y | Y | Y |
| Database | | | |
| dBase Database | Y | N | N |
| Microsoft Access (MDB) | Y | Y | N |
| Microsoft Project (MPP) | Y | Y | N |
| Desktop Publishing | | | |
| Microsoft Publisher | N | Y | N |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|--|--------------------|------------------|----------------------|
| Display | | | |
| Adobe Portable Document Format (PDF) | Y | Y ¹ | Y |
| Graphics | | | |
| Computer Graphics Metafile (CGM) | Y | N | N |
| Corel DRAW (CDR) | n/a | n/a | n/a |
| DCX Fax System (DCX) | Y | N | N |
| DICOM – Digital Imaging and Communications in Medicine (DCM) | n/a | n/a | n/a |
| Encapsulated PostScript (EPS) | Y | N | N |
| Enhanced Metafile (EMF) | Y | Y | N |
| Graphic Interchange Format (GIF) | n/a | n/a | n/a |
| JBIG2 | n/a | n/a | n/a |
| JPEG | n/a | n/a | n/a |
| JPEG 2000 | n/a | n/a | n/a |
| Lotus AMIDraw Graphics (SDW) | n/a | n/a | n/a |
| Lotus Pic (PIC) | n/a | n/a | n/a |
| Macintosh Raster (PICT/PCT) | n/a | n/a | n/a |
| MacPaint (PNTG) | n/a | n/a | n/a |
| Microsoft Office Drawing (MSO) | n/a | n/a | n/a |
| Omni Graffiti (GRAFFLE) | Y | N | N |
| PC PaintBrush (PCX) | n/a | n/a | n/a |

¹Multibyte PDFs are supported, provided the PDF document is created by using either Character ID-keyed (CID) fonts, predefined CJK CMap files, or ToUnicode font encodings, and does not contain embedded fonts. See the Adobe website and the Adobe Acrobat documentation for more information. Any multibyte characters that are not supported are displayed using the replacement character. By default, the replacement character is a question mark (?).

To determine the type of font encodings that are used in a PDF, open the PDF in Adobe Acrobat, and select File > Document Info > Fonts. If the Encoding column lists Custom or Embedded encodings, you might encounter problems converting the PDF.

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|---|--------------------|------------------|----------------------|
| Portable Network Graphics (PNG) | n/a | n/a | n/a |
| SGI RGB Image (RGB) | n/a | n/a | n/a |
| Sun Raster Image (RS) | n/a | n/a | n/a |
| Tagged Image File (TIFF) | Y | N | N |
| Truevision Targa (TGA) | n/a | n/a | n/a |
| Windows Animated Cursor (ANI) | n/a | n/a | n/a |
| Windows Bitmap (BMP) | n/a | n/a | n/a |
| Windows Icon Cursor (ICO) | n/a | n/a | n/a |
| Windows Metafile (WMF) | Y | Y | N |
| WordPerfect Graphics 1 (WPG) | Y | N | N |
| WordPerfect Graphics 2 (WPG) | Y | N | N |
| Mail | | | |
| Documentum EMC MF Format | Y | Y | Y |
| Domino XML Language (DXL) | Y | Y | N |
| GroupWise FileSurf | Y | N | N |
| Legato Extender (ONM) | Y | Y | N |
| Lotus Notes database (NSF) | Y | Y | Y |
| Mailbox (MBX) | Y | Y | Y |
| Microsoft Entourage Database | Y | Y | Y |
| Microsoft Outlook (MSG) | Y | Y | Y |
| Microsoft Outlook Express (EML) | Y | Y | Y |
| Microsoft Outlook iCalendar | Y | Y | Y |
| Microsoft Outlook for Macintosh | Y | Y | Y |
| Microsoft Outlook Offline Storage File | Y | Y | Y |
| Microsoft Outlook Personal File Folders (PST) | Y | Y | Y |
| Microsoft Outlook vCard Contact | | | |
| Text Mail (MIME) | Y | Y | Y |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|---|-------------------------|--|----------------------|
| Transport Neutral Encapsulation Format | Y | Y | Y |
| Multimedia | | | |
| Advanced Systems Format (ASF) | n/a | n/a | n/a |
| Audio Interchange File Format (AIFF) | n/a | n/a | n/a |
| Microsoft Wave Sound (WAV) | n/a | n/a | n/a |
| MIDI (MID) | n/a | n/a | n/a |
| MPEG 1 Audio Layer 3 (MP3) | n/a | n/a | n/a |
| MPEG 1 Video (MPG) | n/a | n/a | n/a |
| MPEG 2 Audio (MPEGA) | n/a | n/a | n/a |
| MPEG 4 Audio (MP4) | n/a | n/a | n/a |
| NeXT/Sun Audio (AU) | n/a | n/a | n/a |
| QuickTime Movie (QT/MOV) | n/a | n/a | n/a |
| Windows Video (AVI) | n/a | n/a | n/a |
| Presentations | | | |
| Apple iWork Keynote (GZ) | Y | Y | N |
| Applix Presents (AG) | character set 1252 only | N | N |
| Corel Presentations (SHW) | character set 1252 only | N | N |
| Extensible Forms Description Language (XFD) | Y | Y | N |
| Lotus Freelance Graphics 2 (PRE) | character set 850 only | N | N |
| Lotus Freelance Graphics (PRZ) | Y | Japanese, Simple Chinese, Traditional Chinese, Thai only | N |
| Macromedia Flash (SWF) | Y | Y | N |
| Microsoft OneNote | Y | Y | N |
| Microsoft PowerPoint PC (PPT) | character set 1252 only | Traditional Chinese only | N |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|---|-------------------------|--|----------------------|
| Microsoft PowerPoint Windows (PPT) | Y | Japanese, Simple Chinese, Traditional Chinese, Korean only | Hebrew only |
| Microsoft PowerPoint Macintosh (PPT) | Y | N | N |
| Microsoft PowerPoint Windows XML 2007 and 2010 (PPTX) | Y | Y | Y |
| OASIS Open Document (ODP) | Y | Y | N |
| OpenOffice Impress (ODP) | Y | Y | N |
| StarOffice Impress (ODP) | Y | Y | N |
| Spreadsheets | | | |
| Apple iWork Numbers (GZ) | Y | Y | N |
| Applix Spreadsheets (AS) | character set 1252 only | N | N |
| Comma Separated Values (CSV) | character set 1252 only | N | N |
| Corel Quattro Pro (QPW/WB3) | Y | N | N |
| Data Interchange Format (DIF) | Y | Y | Y ¹ |
| Lotus 1-2-3 (123) | Y | Y | Y |
| Lotus 1-2-3 (WK4) | Y | Y | N |
| Lotus 123 Charts (123) | Y | Y | N |
| Microsoft Excel Charts (XLS) | Y | Y | N |
| Microsoft Excel Macintosh (XLS) | Y | N | N |
| Microsoft Excel Windows (XLS) | Y | Y | Y ² |
| Microsoft Excel Windows XML 2007 (XLSX) | Y | Y | N |
| Microsoft Office Excel Binary Format (XLSB) | Y | Y | N |
| Microsoft Works Spreadsheet (S30/S40) | Y | N | N |
| OASIS Open Document (ODS) | Y | Y | N |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|--------------------------------------|------------------------------|------------------|----------------------|
| OpenOffice Calc (ODS) | Y | Y | N |
| StarOffice Calc (ODS) | Y | Y | N |
| Text and Markup | | | |
| ANSI (TXT) | Y | Y | Y ² |
| ASCII (TXT) | Y | Y | Y ² |
| HTML (HTM) | Y | Y | Y ^{2, 2} |
| Microsoft Excel Windows XML 2003 | Y | Y | Y |
| Microsoft Word for Windows XML 2003 | Y | Y | Y |
| Microsoft Visio XML 2003 | Y | Y | Y |
| Rich Text Format (RTF) | Y | Y | Y ³ |
| Unicode HTML | Y | Y | Y ^{2,3} |
| Unicode Text (TXT) | Y | Y | Y ² |
| XHTML | Y | Y | Y ³ |
| XML | Y | Y | Y |
| Word Processing | | | |
| Adobe Maker Interchange Format (MIF) | character set 1252 only | N | N |
| Apple iChat Log (ICHAT) | Y | Y | N |
| Apple iWork Pages (GZ) | Y | Y | N |
| Applix Words (AW) | character set 1252 only | N | N |
| DisplayWrite (IP) | character set 500, 1026 only | N | N |
| Folio Flat File (FFF) | character set 1252 only | N | N |
| Founder Chinese E-paper Basic (CEB) | Y | Y | N |
| Fujitsu Oasys (OA2) | Y | Y | N |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|--|----------------------------------|---|--------------------------|
| Hangul (HWP) | Y | Y | N |
| Health level7 (HL7) | Y | Y | Y |
| IBM DCA/RTF (DC) | character sets 500, 1026 only | N | N |
| JustSystems Ichitaro (JTD) | Y | Y | N |
| Lotus AMI Pro (SAM) | Y | Simple Chinese, Traditional Chinese, Japanese, Thai only | Y |
| Lotus AMI Professional Write Plus (AMI) | Y | Simple Chinese, Traditional Chinese, Japanese, Thai only | N |
| Lotus Word Pro (LWP) | Y | Y | Y ³ |
| Lotus SmartMaster (MWP) | Y | Y | N |
| Microsoft Word PC (DOC) | character set 1252 only | N | N |
| Microsoft Word Windows V1-2 (DOC) | Y | N | N |
| Microsoft Word Windows V6, 7, 8, 95 (DOC) | Y | Y | Hebrew only ³ |
| Microsoft Word Windows V97 through 2003 (DOC) | Y | Y | Y ³ |
| Microsoft Word Windows XML 2007 and 2010 (DOCX) | Y | Y | Y ³ |
| Microsoft Word Macintosh (DOC) | Y | N | Y ³ |
| Microsoft Works (WPS) | Y | Japanese only | N |
| Microsoft Write (WRI) | Y | Japanese only | N |
| OASIS Open Document (ODT) | Y | Y | N |
| Omni Outliner (OO3) | Y | Y | N |
| OpenOffice Writer (ODT) | Y | Y | N |
| Open Publication Structure eBook (EPUB) | Y | Y | Y |
| StarOffice Writer (ODT) | Y | Y | N |
| Skype Log (DBB) | Y | Y (null-terminated charsets) | N |

Multibyte and bidirectional support, continued

| Format | Single-byte | Multibyte | Bidirectional |
|--------------------------------|----------------------------|------------------------------|---------------|
| WordPad (RTF) | Y | Y | Y |
| WordPerfect Linux (WPS) | Y | N | N |
| WordPerfect Macintosh (WPS) | Y | N | N |
| WordPerfect Windows (WO) | Y | N | N |
| XML Paper Specification (XPS) | Y | Y | N |
| XYWrite Windows (XY4) | character set 1252 only | N | N |
| Yahoo! Instant Messenger (DAT) | Y | Y (null-terminated charsets) | N |

¹The text direction in the output file might not be correct.

²In Export SDK, a bidirectional right-to-left (RTL) tag is extracted from this format and included in the direction element (<dir=RTL>) of the output.

Coded Character Sets

This section lists which character set you can use to specify the target character set. The coded character sets are enumerated in `kvcharset.h` and defined in the Export class.

Code Character Sets

| Coded Character Set | Description | Can be set as target charset? |
|---------------------|--|-------------------------------|
| KVCS_UNKNOWN | Unknown character set | N |
| KVCS_SJIS | Japanese (uses multibyte encoding), cp932 | Y |
| KVCS_GB | Simplified Chinese (China, Singapore, Malaysia) cp936 | Y |
| KVCS_BIG5 | Traditional Chinese (Taiwan, Hong Kong, Macaw) cp950 | Y |
| KVCS_KSC | Korean, cp949 | Y |
| KVCS_1250 | Windows Latin 2 (Central Europe) | Y |
| KVCS_1251 | Windows Cyrillic (Slavic) | Y |

Code Character Sets, continued

| Coded Character Set | Description | Can be set as target charset? |
|----------------------------|--|--------------------------------------|
| KVCS_1252 | Windows Latin 1 (ANSI) | Y |
| KVCS_1253 | Windows Greek | Y |
| KVCS_1254 | Windows Latin 5 (Turkish) | Y |
| KVCS_1255 | Windows Hebrew | Y |
| KVCS_1256 | Windows Arabic | Y |
| KVCS_1257 | Windows Baltic Rim | Y |
| KVCS_1258 | Windows Vietnamese | Y |
| KVCS_8859_1 | ISO 8859-1 Latin 1 (Western Europe, Latin America) | Y |
| KVCS_8859_2 | ISO 8859-2 Latin 2 (Central Eastern Europe) | Y |
| KVCS_8859_3 | ISO 8859-3 Latin 3 (S.E. Europe) | Y |
| KVCS_8859_4 | ISO 8859-4 Latin 4 (Scandinavia/Baltic) | Y |
| KVCS_8859_5 | ISO 8859-5 Latin/Cyrillic | Y |
| KVCS_8859_6 | ISO 8859-6 Latin/Arabic | Y |
| KVCS_8859_7 | ISO 8859-7 Latin/Greek | Y |
| KVCS_8859_8 | ISO 8859-8 Latin/Hebrew | Y |
| KVCS_8859_9 | ISO 8859-9 Latin/Turkish | Y |
| KVCS_8859_14 | ISO 8859-14 | Y |
| KVCS_8859_15 | ISO 8859-15 | Y |
| KVCS_437 | DOS Latin US | Y |
| KVCS_737 | DOS Greek | Y |
| KVCS_775 | DOS Baltic Rim | Y |
| KVCS_850 | DOS Latin 1 | Y |
| KVCS_851 | DOS Greek | Y |
| KVCS_852 | DOS Latin 2 | Y |
| KVCS_855 | DOS Cyrillic | Y |

Code Character Sets, continued

| Coded Character Set | Description | Can be set as target charset? |
|----------------------------|---|--------------------------------------|
| KVCS_857 | DOS Turkish | Y |
| KVCS_860 | DOS Portuguese | Y |
| KVCS_861 | DOS Icelandic | Y |
| KVCS_862 | DOS Hebrew | Y |
| KVCS_863 | DOS Canadian French | Y |
| KVCS_864 | DOS Arabic | Y |
| KVCS_865 | DOS Nordic | Y |
| KVCS_866 | DOS Cyrillic Russian | Y |
| KVCS_869 | DOS Greek 2 | Y |
| KVCS_874 | Thai | Y |
| KVCS_PDFMACDOC | PDF MAC DOC | N |
| KVCS_PDFWINDOC | PDF WIN DOC | N |
| KVCS_STDENC | Adobe Standard Encoding | N |
| KVCS_PDFDOC | Adobe standard PDF character set | N |
| KVCS_037 | EBCDIC code page 037 | Y |
| KVCS_1026 | EBCDIC code page 1026 | Y |
| KVCS_500 | EBCDIC code page 500 | Y |
| KVCS_875 | EBCDIC code page 875 | Y |
| KVCS_LMBCS | Lotus multibyte character set Group 1 and Group 2 | N |
| KVCS_UNICODE | Unicode, UCS-2 | |
| KVCS_UTF16 | 16-bit Unicode transformation format | |
| KVCS_UTF8 | 8-bit Unicode transformation format | Y |
| KVCS_UTF7 | 7-bit Unicode transformation format | Y |
| KVCS_2022_JP | ISO 2022-JP, Japanese mail and news safe encoding (JIS-7) | N |

Code Character Sets, continued

| Coded Character Set | Description | Can be set as target charset? |
|----------------------------|---|--------------------------------------|
| KVCS_2022_CN | ISO 2022-CN, Chinese mail and news safe encoding | N |
| KVCS_2022_KR | ISO 2022-KR, Korean mail and news safe encoding | N |
| KVCS_WP6X | Word Perfect 6.x and higher character mapping | N |
| KVCS_10000 | Western European (Macintosh) | Y |
| KVCS_KSC5601 | Unified Hangul | Y |
| KVCS_GB2312 | Simplified Chinese (China, Singapore, Hong Kong) | Y |
| KVCS_GB12345 | Traditional Chinese (China) - analogue of GB2312 | Y |
| KVCS_CNS11643 | Traditional Chinese - Taiwan. Supplement to Big5 | Y |
| KVCS_JIS0201 | Japanese - contains ASCII character set (JIS-Roman) | N |
| KVCS_JIS0212 | Japanese. Supplement to JIS0208. | Y |
| KVCS_EUC_JP | Japanese Extended UNIX Code | Y |
| KVCS_EUC_GB | Simplified Chinese Extended UNIX Code | Y |
| KVCS_EUC_BIG5 | Traditional Chinese Extended UNIX Code | N |
| KVCS_EUC_KSC | Korean Extended UNIX Code | N |
| KVCS_424 | EBCDIC Hebrew | N |
| KVCS_856 | PC Hebrew (old) | N |
| KVCS_1006 | IBM AIX Pakistan (Urdu) | N |
| KVCS_KOI8R | Cyrillic (Russian) | Y |
| KVCS_PDF_JAPAN1 | Adobe-Japan1-2 character collection | N |
| KVCS_PDF_KOREA1 | Adobe-Korea1-0 character collection | N |
| KVCS_PDF_GB1 | Adobe-GB1-3 character collection | N |
| KVCS_PDF_ | Adobe-CNS1-2 character collection | N |

Code Character Sets, continued

| Coded Character Set | Description | Can be set as target charset? |
|----------------------------|--|--------------------------------------|
| CNS1 | | |
| KVCS_2022_JP_8 | ISO 2022-JP, Japanese mail and news safe encoding (JIS8) | N |
| KVCS_720 | Arabic DOS-720 | Y |
| KVCS_VISCII | Vietnamese VISCII | Y |
| KVCS_8859_10 | ISO 8859-10 (Latin 6 Nordic) | Y ¹ |
| KVCS_8859_13 | ISO 8859-13 (Latin 7 Baltic) | Y ¹ |
| KVCS_57002 | ISCII Devanagari (x-iscii-de) | Y ¹ |
| KVCS_57003 | ISCII Bengali (x-iscii-be) | Y ¹ |
| KVCS_57004 | ISCII Tamil (x-iscii-ta) | Y ¹ |
| KVCS_57005 | ISCII Telugu (x-iscii-te) | Y ¹ |
| KVCS_57006 | ISCII Assamese (x-iscii-as) | Y ¹ |
| KVCS_57007 | ISCII Oriya (x-iscii-or) | Y ¹ |
| KVCS_57008 | ISCII Kannada (x-iscii-ka) | Y ¹ |
| KVCS_57009 | ISCII Malayalam (x-iscii-ma) | Y ¹ |
| KVCS_57010 | ISCII Gujarathi (x-iscii-gu) | Y ¹ |
| KVCS_57011 | ISCII Panjabi (x-iscii-pa) | Y ¹ |
| KVCS_GB18030b2 | Reserved for internal use | n/a |
| KVCS_GB18030 | GB18030 (Chinese 4-byte character set) | Y |
| KVCS_8859_11 | ISO 8859-11 (Thai) | Y |
| KVCS_8859_16 | ISO 8859-16 (Latin-10 South-Eastern Europe) | Y |
| KVCS_ARABICMAC | Arabic Mac (x-mac-arabic) | Y |
| KVCS_KOI8U | Cyrillic (KOI8U Ukrainian) | Y |
| KVCS_HZGB2312 | The 7-bit representation of GB 2312 / RFC 1842 | n/a |
| KVCS_UTF32 | 32-bit Unicode transformation format | N |

¹The character set cannot be forced as output in Export SDK and Viewing SDK because the character set is not supported by the major browsers.

Appendix D: File Format Detection

This section describes how file formats are detected in the KeyView Export SDK.

- [Introduction](#) 162
- [Extract Format Information](#) 162
- [Determine Format Support](#) 162
- [Translate Format Information](#) 164
- [Determine a Document Reader](#) 166
- [Category Values in formats_e.ini](#) 166

Introduction

The KeyView format detection module (`kwad`) detects a file's format, and reports the information to the API, which in turn reports the information to the developer's application. If the detected format is supported by the KeyView SDK, the detection module also loads the appropriate structured access layer and document reader for further processing.

For a list of supported formats, see [Document Readers, on page 117](#).

Extract Format Information

You can extract format information from a document by using the `fpGetStreamInfo()` function. If required, this format information can then be reported to the developer's application. The `fpGetStreamInfo()` function extracts format information, such as file class, format, and version, and populates the `ADDOCINFO` structure. This structure is defined in the `adinfo.h` header file.

For information on how to translate the extracted format information, see [Translate Format Information, on page 164](#).

Determine Format Support

After the file format is extracted, the detection module uses the `formats_e.ini` file to determine whether the format is supported by KeyView, and the appropriate structured access layer and reader to load.

The `formats_e.ini` file is in the directory `install\OS\bin`, where `install` is the path name of the Export installation directory and `OS` is the name of the operating system. It contains the following information:

- Coded format information. To translate this information, see [Translate Format Information, on page 164](#).
- The reader associated with each format. See [Determine a Document Reader, on page 166](#).

- Configuration parameters for out-of-process conversions.
- Locale settings for internal use.

Below are some entries from the `formats_e.ini` file:

```
123=mw
152=xyw
178=wp6
189=mw6
2=af
200=pdf
205=mb
210=htm
251=htm
```

NOTE: The `formats_e.ini` file applies to all formats except graphics. Detection of graphics formats is handled by an internal module named KeyView Picture Interchange Format (KPIF).

Refine Detection of Text Files

During text detection, KeyView analyzes the first 1 kB and last 1 kB of data in a document; if less than 10% of that data consists of non-ASCII characters, KeyView detects the document as a text file.

However, depending on the type of documents you are working with, the default settings might not provide the desired level of accuracy. Configuration flags allow you to change the amount of data to read at the end of a file, the percentage of non-ASCII characters permitted in a text file, and whether to use or ignore the file extension to determine the document format.

Change the Amount of File Data to Read

During file detection, KeyView reads characters from the beginning and end of a file—by default, it reads the first and last 1,024 bytes of data. Large text files might contain many irrelevant characters at the end of a file, so KeyView might not accurately detect the file format. You can set a configuration flag to increase the amount of data to read from the end of a file during detection.

To change the amount of data to read during detection

- In the `formats_e.ini` file, set the following flag in the `detection_flags` section:

```
[detection_flags]
non_ascii_chars_end_block_size=kB
```

where *kB* is the number of kilobytes to read from the end of the file, from 0 to 10. The default value is 1.

NOTE: The file size must be greater than the value specified in the flag. If the flag value is greater than the file size, KeyView does not use the flag.

Change the Percentage of Allowed Non-ASCII Characters

By default, if less than 10% of the analyzed data in a document consists of non-ASCII characters, it is detected as a text file. Depending on the type of files you are working with, changing the default percentage might increase detection accuracy.

To change the percentage of non-ASCII characters allowed in text files

- In the `formats_e.ini` file, set the following flag in the `detection_flags` section:

```
[detection_flags]
non_ascii_chars_in_text=N
```

where *N* is the percentage of non-ASCII characters to allow in text files. Files that contain a lower percentage of non-ASCII characters than *N* are detected as text files. The default value is 10.

Use the File Extension for Detection

Sometimes KeyView detects certain file formats (such as CSV) as ASCII because of the content of the documents. In such cases, you can configure KeyView to use the file extension to determine the document format. Using the file extension can improve detection of formats such as CSV, but might not detect text files successfully if they have incorrect file extensions.

To use the file extension for ASCII files during detection

- In the `formats.ini` file, set the following flag in the `detection_flags` section:

```
[detection_flags]
use_extension_for_ascii=1
```

The default is 0 (do not use the file extension).

Allow Consecutive NULL Bytes in a Text File

By default, if a document contains consecutive NULL bytes, it is not detected as text. Depending on the type of files you are working with, changing the default might increase detection accuracy.

To allow consecutive NULL bytes of ASCII characters in text files

In the `formats.ini` file, set the following flag in the `detection_flags` section:

```
[detection_flags]
ascii_allow_null_bytes=1
```

The default value is 0 (do not allow consecutive NULL bytes).

Translate Format Information

Format information can include file attributes in the following categories:

- Major format
- File class
- Minor format
- Major version
- Minor version

Not all categories are required. Many formats only include major format and file class, or major format only.

The format information has the following structure:

```
MajorFormat.FileClass.MinorFormat.MajorVersion.MinorVersion
```

For example:

```
81.2.0.9.0
```

Each number in the format information represents a file attribute. The entry 81.2.0.9.0 represents a Lotus 1-2-3 Spreadsheet file version 9.0, where:

81 = Lotus 1-2-3 Spreadsheet (major format)

2 = Spreadsheet (file class)

0 = not defined (minor format)

9 = 9 (major version)

0 = 0 (minor version)

The example above applies to `formats_e.ini` file. When extracting format information by using the `fpGetStreamInfo()` function method, the same format information is represented as 294.2.0.9.

NOTE: The format values returned by `fpGetStreamInfo()` differ from those in `formats_e.ini` because the former defines a unique ID for each major format, whereas the latter uses a major version, minor version, and minor format to distinguish between formats.

Distinguish Between Formats

The `ADDDOCINFO` structure method provides a unique ID for each major format. For example, a call to `fpGetStreamInfo()` returns 351.1.0 for a Microsoft Word 2003 XML format. The major format 351 is unique to this format.

Unlike `ADDDOCINFO`, the `formats_e.ini` file distinguishes between formats by using the major version number. For example, in `formats_e.ini`, a Microsoft Word 2003 XML format is defined as 285.1.0.100.0. The major format 285 and file class 1 are the same values for generic XML. The major version 100 distinguishes the format as Microsoft Word 2003 XML.

The major version is used in `formats_e.ini` to specify the following formats:

- The Microsoft Office 2003 XML format has the same major format and file class as generic XML (285.1). It is distinguished from generic XML by using the following major versions:

- Word: 100
- Excel: 101
- Visio: 110
- The XHTML format has the same major format and file class as HTML (210.1). It is distinguished from HTML by using the major version 100.

Determine a Document Reader

The format detection module uses the `formats_e.ini` file to determine whether a format is supported and which reader should be used to parse a format. The entries in the `formats_e.ini` file lists each format's coded value, and an abbreviation for the format's reader. For example:

```
81.2.0.9.0=1123
```

The reader abbreviation is a truncated version of the reader's library name. Adding "sr" to the end of an abbreviation creates the name of the reader. The example entry above specifies that a Lotus 1-2-3 Spreadsheet file version 9.0 is parsed by the Lotus 1-2-3 reader, 1123sr.

[Files Required for Redistribution, on page 170](#) lists the document readers provided with KeyView.

Category Values in `formats_e.ini`

The [Supported Formats](#) section lists all of the file formats that can be detected by KeyView, with associated category values for use in the `formats_e.ini` file. The following tables provide the list of possible file classes and minor formats.

- [File Classes](#)
- [Minor Formats](#)

File Classes

| Attribute Number | Description | File class |
|------------------|----------------|-----------------|
| 0 | No file class | AutoDetNoFormat |
| 01 | Word processor | adWORDPROCESSOR |
| 02 | Spreadsheet | adSPREADSHEET |
| 03 | Database | adDATABASE |
| 04 | Raster image | adRASTERIMAGE |
| 05 | Vector graphic | adVECTORGRAPHIC |
| 06 | Presentation | adPRESENTATION |

File Classes, continued

| Attribute Number | Description | File class |
|------------------|------------------------|-----------------|
| 07 | Executable | adEXECUTABLE |
| 08 | Encapsulation | adENCAPSULATION |
| 09 | Sound | adSOUND |
| 10 | Desktop publishing | adDESKTOPPUBLSH |
| 11 | Outline/planning | adOUTLINE |
| 12 | Miscellaneous | adMISC |
| 13 | Mixed format | adMIXED |
| 14 | Font | adFONT |
| 15 | Time scheduling | adSCHEDULE |
| 16 | Communications | adCOMMUNICATION |
| 17 | Object module | adOBJECTMODULE |
| 18 | Library module | adLIBRARY |
| 19 | Fax | adFAXFORMAT |
| 20 | Movie | adMOVIE |
| 21 | Animation | adANIMATION |
| 22 | Source Code | adSOURCECODE |
| 23 | Computer-Aided Design | adCAD |
| 24 | BI and analysis tools | adANALYTICS |
| 25 | Scientific data | adSCIENTIFIC |
| 26 | Geographic Info System | adGIS |

Minor Formats

| Attribute Number | Minor Format |
|------------------|--------------------------|
| 00 | Minor format not defined |
| 01 | Standard |
| 02 | Book |

Minor Formats, continued

| Attribute Number | Minor Format |
|-------------------------|---------------------|
| 03 | Chart |
| 04 | Macro |
| 05 | Text |
| 06 | Binary |
| 07 | PC |
| 08 | Windows |
| 09 | DOS |
| 10 | Macintosh |
| 11 | RGB |
| 12 | TIFF |
| 13 | IFF |
| 14 | Experimental |
| 15 | Format Information |
| 16 | RLE |
| 17 | Symbol |
| 18 | Old |
| 19 | Footnote |
| 20 | Style |
| 21 | Palette |
| 22 | Configuration |
| 23 | Activity |
| 24 | Resource |
| 25 | Calculation |
| 26 | Glossary |
| 27 | Spelling |
| 28 | Thesaurus |

Minor Formats, continued

| Attribute Number | Minor Format |
|-------------------------|---------------------|
| 29 | Hyphenation |
| 30 | Miscellaneous |
| 31 | UNIX |
| 32 | VAX |
| 33 | Driver |
| 34 | Archive |

Appendix E: Files Required for Redistribution

This section lists the Export files that can be redistributed in your applications under the licensing agreement. Unless noted, these files are in the directory *install\OS\bin*, where *install* is the path of the Export installation directory and *OS* is the operating system platform.

- [Core Files](#) 170
- [Support Files](#) 171
- [Document Readers and Writers](#) 173

NOTE: On Windows systems, the libraries are .dll files. On UNIX systems, the libraries are .so, .a, or .sl files.

Core Files

The following core files can be redistributed with your application.

| File | Description |
|------------------|--|
| formats_e.ini | Initialization file. For more information on this file, see Determine Format Support, on page 162 . |
| *htmllexport.* | Required by the Java API. |
| KeyView.jar | Interface for Java support. NOTE: This file can be found at the path <i>install/javaapi/KeyView.jar</i> where <i>install</i> is the Export SDK installation directory. |
| kpifcnvt.* | Graphic conversion routines. |
| kpifutil.* | Graphic utility routines. |
| kvdecrypt.* | Decryption utility functions |
| kvxtract.* | File Extraction interface. |
| kvexport.* | Export C API. Interface to the HTML and XML Export C APIs. |
| kvexportdotnet.* | Interface for .NET support. |
| kvolefio.* | Embedded OLE object writer. |
| kvpdf.* | PDF Export C API. |
| kvutil.* | Internal KeyView utility functions. |
| kvxpgsa.* | Interface between presentations or graphic readers and the Export API. |

| File | Description |
|--------------|--|
| kvxssa.* | Interface between spreadsheet readers and the Export API. |
| kvxwpsa.* | Interface between word processing readers and the Export API. |
| kvzip.* | Zip writer |
| kwad.* | File auto-recognition module. |
| regsvr32.exe | A Microsoft Windows program used to register in-process COM objects. |
| txtcnv.* | Converter for document token stream. |
| *xmlexport.* | Required by the Java API. |
| vcredist* | (Windows platforms only) Microsoft Visual C++ Redistributable Packages. NOTE: This folder can be found in the Export SDK installation directory. |

Support Files

The following support files can be redistributed with your application.

| File | Description |
|------------------------|--|
| datafiles* | (Folder) Required by kvlangdetect. |
| NSFtemplates* | (Folder) Templates used by nsfsr to format Lotus mail notes. |
| 7z.* | Required by z7zsr and multiarcsr. |
| bentofio.* | Required by 1123sr.* and kpprzrdr.*. |
| browser.dll | Required by PDF export on Windows. |
| cbmap.map | Character mappings for Adobe Portable Document Format (PDF). |
| CEBDLL.dll | Required by cebsr. |
| chartbls.ux | Character mapping tables. |
| chmdll.* | Required by chmsr. |
| codeidentifierplugin.* | Required for source code identification. |
| cpstsdk* | Required by pstxsr. |
| DFECore.dll | Required by cebsr. |
| Filter.dll | Required by cebsr. |
| headless_lib.pak | Required by PDF export on Windows. |

| File | Description |
|-------------------|--|
| icudtl.dat | Required by PDF export on Windows. |
| kp3dwrld.* | Required for 3D charts. |
| kpchtrdr.* | Required for all spreadsheets (chart support). |
| kpjavwrt.* | Java utility routines. |
| kpjpeg.* | JPEG file interchange format shared routines. |
| kppng.* | Portable Network Graphics (PNG) utilities. |
| kvlangdetect.* | Utility functions for language and character set detection. |
| kvxconfig.ini | Contains element extraction settings for source XML files. |
| kvgraph.* | Required for all spreadsheets (chart support). |
| kvpie.* | Required for all spreadsheets (chart support). |
| kvradar.* | Required for all spreadsheets (chart support). |
| kv.lic | Contains license information for KeyView products. This file is opened and validated when a KeyView API is used. |
| kvraster.class | Java program used to convert vector graphics on UNIX and Linux. |
| kvthread.* | Required for multithreaded out-of-process functionality. |
| kvVector.class | Java applet used to convert vector graphics on UNIX and Linux. |
| kvvector.jar | Java applet used to convert vector graphics on UNIX and Linux. This must reside in the output directory. |
| *langdetecttext.* | Required by kvlangdetect.* |
| libbrowser.so | Required by PDF export on Linux. |
| libcrypto* | SSL utility functions used by KeyView mail format readers. |
| libgcc_s.so.1 | Required by PDF export on Linux. |
| libgomp.so.1 | Required by PDF export on Linux. |
| libpff.* | Required by pffsr. |
| libstdc++.so.6 | Required by PDF export on Linux. |
| libstlport.so.1 | (Solaris platforms only) Solaris Studio Redistributable. This file is located in <i>install/OS/lib</i> . |
| libwkoopclient.so | Required by PDF export on Linux. |

| File | Description |
|-------------------|--|
| natives_blob.bin | Required by PDF export on Windows. |
| oleaut32.* | Microsoft OLE Automation Controls. |
| olepro32.* | Microsoft OLE property support library. |
| Osmesa.dll | Required by PDF export on Windows. |
| servant.* | Executable required for out-of-process conversions. |
| snapshot_blob.bin | Required by PDF export on Windows. |
| unzipjpg.* | Required for JPEG decompression. |
| WKOOP.cfg | Configuration information required by WKOOP.exe (in PDF Export). |
| WKOOP.exe | Executable required for PDF export. |
| wkoopClient.dll | Required by PDF export on Windows. |
| wpmap.* | Extended character mapping for WordPerfect and Corel Presentation. |
| xmlsh.* | Contains a library of content handlers for each XML file type. Required by the Expat XML parser. |

Document Readers and Writers

The following readers and writers can be redistributed with your application.

| File | Description |
|-----------|--------------------------------------|
| ad1sr.* | AD1 Evidence file reader |
| afsr.* | ASCII reader |
| assr.* | Applix spreadsheet reader |
| awsr.* | Applix Words reader |
| bkfsr.* | Microsoft Backup File reader |
| bmpsr.* | Windows bitmap (BMP) reader |
| bzip2sr.* | Bzip2 reader |
| cabsr.* | Microsoft Cabinet format reader |
| cebsr.* | Founder Chinese E-paper Basic reader |
| chmsr.* | Microsoft Compiled HTML Help reader |

| File | Description |
|-------------|--|
| csvsr.* | Comma-Separated Values reader |
| dbfsr.* | dBase Database reader |
| dbxsr.* | Microsoft Outlook Express DBX reader |
| dcasr.* | Document Content Architecture/Revisable Form Text (DCA/RFT) reader |
| difsr.* | Data Interchange Format reader |
| dmgsr.* | Mac Disk Copy Disk Image File reader |
| dw4sr.* | DisplayWrite 4 reader |
| dx1sr.* | Domino XML Language reader |
| em1sr.* | Microsoft Outlook Express (EML) reader. This is used to convert EML files when the MBX reader is not licensed. |
| emxsr.* | Legato EMailXtender archive (EMX) reader |
| encasesr.* | Expert Witness Compression Format (EnCase) v6 reader |
| encase2sr.* | Expert Witness Compression Format (EnCase) v7 reader |
| entsr.* | Microsoft Entourage Database Format reader |
| epubsr.* | Open Publication Structure eBook reader |
| foliosr.* | Folio Flat File reader |
| gdsiisr.* | Graphic Database System (GDSII) reader |
| gifsr.* | Graphics Interchange Format (GIF) reader |
| gwfssr.* | GroupWise FileSurf reader |
| h17sr.* | Health level7 reader (metadata only) |
| htmsr.* | HTML and XHTML reader |
| hwposr.* | Hangul 2002, 2005, 2007 reader |
| hwpsr.* | Hangul 97 reader |
| ichatsr.* | Apple iChat Log reader |
| icssr.* | Microsoft Outlook iCalendar reader |
| isosr.* | ISO-9660 CD Disc Image Format reader |
| iwss13sr.* | iWork 13 Numbers reader |
| iwsssr.* | Apple iWork Numbers reader |

| File | Description |
|---------------|---|
| iwwp13sr.* | iWork 13 Pages reader |
| iwwpsr.* | Apple iWork Pages reader |
| jp2000sr.* | JPEG 2000 metadata reader |
| jpgsr.* | JPEG metadata reader |
| jtdsr.* | JustSystems Ichitaro reader |
| kpagrdr.* | Applix Presents reader |
| kpanindr.* | Animated cursor reader |
| kpbmprdr.* | Windows Bitmap reader |
| kpbmpwrt.* | Windows Bitmap writer |
| kpcdrdr.* | Corel Draw |
| kpcgmrdr.* | Computer Graphics Metafile reader |
| kpcgmwrt.* | Computer Graphics Metafile writer |
| kpdcxrdr.* | DCX (fax) reader |
| kpdwgrdr.* | AutoCAD Drawing format reader |
| kpdfxrdr.* | AutoCAD Drawing Exchange format reader |
| kpemfrdr.* | Enhanced Metafile reader |
| kpemfwrt.* | Enhanced Metafile writer |
| kpepsrdr.* | Encapsulated PostScript (EPS) reader |
| kpgflrdr.* | OmniGraffle Picture reader |
| kpgifrdr.* | Graphic Interchange Format (GIF) reader |
| kpgifwrt.* | Graphic Interchange Format (GIF) writer |
| kpicodr.* | Windows Icon reader |
| kpiwgrdr.* | Apple iWork Keynote reader |
| kpiwpg13rdr.* | Apple iWork Keynote 13 reader |
| kpjbig2rdr.* | JBIG2 reader |
| kpjp2000rdr.* | JPEG 2000 reader |
| kpjpgdr.* | JPEG file interchange format reader |

| File | Description |
|-------------|---|
| kpjpgwrt.* | JPEG file interchange format writer |
| kpmacrdr.* | MacPaint reader |
| kpmsondr.* | Microsoft Office Drawing Objects (office 97, 2000, and XP) reader |
| kpnbmpdr.* | IBM Notes Bitmap reader (for embedded images in DXL files) |
| kpodfrdr.* | Oasis Open Document Format presentation (ODP) reader |
| kpodardr.* | AutoCAD reader (Windows only) |
| kpoxdrdr.* | Open Office XML Diagram Graphics reader |
| kpp40rdr.* | Microsoft PowerPoint PC 4.0 and PowerPoint Mac reader |
| kpp95rdr.* | Microsoft PowerPoint 95 reader |
| kpp97rdr.* | Microsoft PowerPoint 97 and higher reader |
| kppctrdr.* | Macintosh Quick Draw Picture (PICT) reader |
| kppcxrdr.* | PC Paintbrush (PCX) reader |
| kppdfdrdr.* | Adobe Portable Document File (PDF) graphic-based reader |
| kppdf2rdr.* | High-fidelity Adobe Portable Document File (PDF) graphic-based reader |
| kppicrdr.* | Pictor PC Paint format (PIC) reader |
| kppngrdr.* | Portable Network Graphics (PNG) reader |
| kppngwrt.* | Portable Network Graphics (PNG) writer |
| kpppxrdr.* | Microsoft PowerPoint XML reader 2007 |
| kpprerdr.* | Lotus Freelance Graphics for Windows V2.0 reader |
| kpprzrdr.* | Lotus Freelance Graphics 96/97/98 reader |
| kprawrdr.* | ODA Internal Raster (RAW) Picture reader |
| kpsddrdr.* | StarOffice Draw / Impress reader |
| kpsdwrdr.* | Lotus Ami Pro Graphics reader |
| kpsgirdr.* | SGI RGB reader |
| kpshwrdr.* | Corel Presentations reader |
| kpsprdr.* | Shape Stream reader |
| kpsvgwrt.* | Scalable Vector Graphics (SVG) writer |

| File | Description |
|--------------|---|
| kpsunrdr.* | Sun Raster reader |
| kptgardr.* | Truevision Targa reader |
| kptifrdr.* | Tagged Image File Format (TIFF) reader |
| kpvsd2rdr.* | Microsoft Visio reader |
| kpvsdxrdr.* | Microsoft Visio 2013 reader |
| kpwg2rdr.* | WordPerfect Graphics 2 reader |
| kpwmfrdr.* | Windows Metafile reader |
| kpwmfwrt.* | Windows Metafile writer |
| kpwpgrdr.* | WordPerfect Graphics 1 reader |
| kpxfd1rdr.* | Extensible Forms Description Language reader |
| kvgzsr.* | GZIP reader |
| kvhqxsr.* | BinHex reader |
| kvzeesr.* | UNIX Compress reader |
| l123sr.* | Lotus 123 v96/97/98 reader |
| lasr.* | Lotus AMI Pro reader |
| ltbenn30.dll | Lotus Word Pro support (supported on Windows x86 platform only) |
| ltscsn10.dll | Lotus Word Pro support (supported on Windows x86 platform only) |
| lwpapin.dll | Lotus Word Pro support (supported on Windows x86 platform only) |
| lwppann.dll | Lotus Word Pro support (supported on Windows x86 platform only) |
| lwpsr.dll | Lotus Word Pro reader (supported on Windows x86 platform only) |
| lzhsr.* | Microsoft Compression Folder reader |
| macbinsr.* | MacBinary reader |
| mbsr.* | Microsoft Word Macintosh reader |
| mbxsr.* | Mailbox (MBX) ¹ and Microsoft Outlook Express (EML) reader |
| mdbsr.* | Microsoft Access reader. |

¹This reader is an advanced feature and is sold and licensed separately from KeyView Export SDK.

| File | Description |
|--------------|---|
| mhtsr.* | MIME HTML reader |
| mifsr.* | Adobe Maker Interchange Format reader |
| misr.* | Microsoft Word 2 reader |
| mp3sr.* | MP3 reader for metadata extraction |
| mppsрr.* | Microsoft Project reader |
| msgsr.* | Microsoft Outlook (MSG) reader |
| mspubsr.* | Microsoft Publisher reader |
| msw6sr.* | Microsoft Works 6 and 2000 reader |
| mswsr.* | Microsoft Works V1 and 2 reader |
| multiarcsr.* | ARJ reader |
| mw6sr.* | Microsoft Word 95 reader |
| mw8sr.* | Microsoft Word 97, 2000, and XP reader |
| mwsr.* | Microsoft Word for DOS and Microsoft Write reader |
| mwssr.* | Microsoft Works Spreadsheet reader |
| mwxsr.* | Microsoft Word 2007 XML reader |
| nsfsr.* | IBM Notes Database reader ¹ |
| oa2sr.* | Fujitsu Oasys reader |
| odfssr.* | Oasis Open Document Format spreadsheets (ODS) reader |
| odfwpsr.* | Oasis Open Document Format word processing (ODT) reader |
| olesr.* | Embedded OLE object reader. |
| olmsr.* | Microsoft Outlook for Macintosh reader |
| onealtsr.* | Microsoft OneNote Alternate Format reader |
| onesr.* | Microsoft OneNote Format reader |
| onmsr.* | Legato EMailXtender Native Message reader |
| oo3sr.* | Omni Outliner reader |

¹This reader is an advanced feature and is sold and licensed separately from KeyView Export SDK.

| File | Description |
|------------|---|
| pbixsr.* | Microsoft Power BI file (PBIX) reader |
| pdf2sr.* | Alternative Adobe Portable Document Format file (PDF) reader |
| pdfsr.* | Adobe Portable Document File (PDF) reader |
| pffsr.* | Microsoft Outlook Offline Storage File reader |
| pfilesr.* | Microsoft Rights Management System encryption file reader |
| pngsr.* | Portable Network Graphics (PNG) reader |
| pstsr.dll | Microsoft Outlook Personal Folders file MAPI-based reader (supported on Windows platform only) ¹ |
| pstnsr.* | Microsoft Outlook Personal Folders file native reader ² |
| pstxsr.* | Microsoft Outlook Personal Folders file native reader ³ |
| qpssr.* | Quattro Pro spreadsheet reader |
| rarsr.* | RAR Archive reader |
| rtfsr.* | Microsoft Rich Text Format reader |
| skypesr.* | Skype log file reader |
| sosr.* | StarOffice/OpenOffice reader |
| starcsr.* | StarOffice Calc reader |
| starwsr.* | StarOffice Writer reader |
| swfsr.* | Macromedia Flash reader |
| tarsr.* | Tape archive reader |
| tifsr.* | TIFF reader (metadata only) |
| tnefsr.* | Transfer Neutral Encapsulation Format reader |
| unihtmsr.* | Unicode HTML reader |
| unisir.* | Unicode reader |
| unzip.* | Zip file reader |

¹This reader is an advanced feature and is sold and licensed separately from KeyView Export SDK.

²This reader is an advanced feature and is sold and licensed separately from KeyView Export SDK.

³This reader is an advanced feature and is sold and licensed separately from KeyView Export SDK.

| File | Description |
|----------|--|
| uudsr.* | UUEncoding reader |
| vsdsr.* | Microsoft Visio reader |
| vcfsr.* | Microsoft Outlook vCard Contact reader |
| wkssr.* | Lotus 1-2-3 v2.0 through 5.0 reader |
| wosr.* | WordPerfect 5.x reader |
| wp6sr.* | WordPerfect 6.0 through 10.0 reader |
| wpmsr.* | WordPerfect for Macintosh reader |
| xlsbsr.* | Microsoft Office 2007 Excel Binary Format reader |
| xlssr.* | Microsoft Excel reader |
| xlsxsr.* | Microsoft Excel 2007 XML reader |
| xmlsr.* | Generic XML reader |
| xpssr.* | XML Paper Specification reader |
| xywsr.* | XYWrite reader |
| yimsr.* | Yahoo! Instant Messenger reader |
| z7zsr.* | 7-Zip reader |

Appendix F: Password Protected Files

This section lists supported password-protected container and non-container files and describes how to open them.

- [Supported Password Protected File Types](#) 181
- [Export Password Protected Files](#) 182

Supported Password Protected File Types

The following table lists the password-protected file types that KeyView supports.

Key to support table

| Symbol | Description |
|--------|--|
| Y | Format is supported. |
| N | Format is not supported. |
| S | Support for viewing subfiles. |
| V | Support for viewing content. |
| P | Password required. |
| C | Password and certificate or User ID file required. |

Supported password-protected file types

| File Type | Version | Filter | Export | Extract | View | Credentials |
|--------------------------------|---------|--------|--------|---------|------|-------------|
| PST (Windows) | n/a | N | N | Y | S | P |
| PST (non-Windows) ¹ | n/a | N | N | Y | S | N |
| ZIP | n/a | N | N | Y | S | P |
| 7-Zip | n/a | N | N | Y | S | P |
| RAR | n/a | N | N | Y | S | P |
| SMIME in MSG, EML, MBX | n/a | N | N | Y | N | C |

¹The native PST readers, pstxsr and pstnsr, do not require credentials to open password-protected PST files that use compressible encryption.

Supported password-protected file types, continued

| File Type | Version | Filter | Export | Extract | View | Credentials |
|------------------|-------------------------|--------|--------|---------|------|-------------|
| Lotus Notes NSF | n/a | N | N | Y | N | C |
| Adobe PDF | n/a | Y | Y | Y | V | P |
| Microsoft Office | 97-2003 2007 2010 | Y | Y | Y | V | P |

Export Password Protected Files

To export a password-protected file, supply the password through the [KVPDFOptions](#) structure.

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