



ArcSight SmartConnectors

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Configuration Guide for IBM NVAS for z/OS File SmartConnector

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Configuration Guide for IBM NVAS for z/OS File SmartConnector

This guide provides information for installing the SmartConnector for IBM NVAS for z/OS File and configuring the device for log event collection. NVAS VERSION 2.1 is supported.

Intended Audience

This guide provides information for IT administrators who are responsible for managing the ArcSight software and its environment.

Additional Documentation

The ArcSight SmartConnector documentation library includes the following resources:

- [Technical Requirements Guide for SmartConnector](#), which provides information about operating system, appliance, browser, and other support details for SmartConnector.
- [Installation and User Guide for SmartConnectors](#), which provides detailed information about installing SmartConnectors.
- [Configuration Guides for ArcSight SmartConnectors](#), which provides information about configuring SmartConnectors to collect events from different sources.
- [Configuration Guide for SmartConnector Load Balancer](#), which provides detailed information about installing Load Balancer.

For the most recent version of this guide and other ArcSight SmartConnector documentation resources, visit the [documentation site for ArcSight SmartConnectors 8.4](#).

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Product Overview

NetView Access Services (NVAS) acts as a mediator between a mainframe user and multiple applications sessions assigned to the user. This session management tool provides a single consistent user interface to access one or more VTAM applications in the network from a single 3270 or compatible device. The SmartConnector for OS/390 NVAS File takes advantage of NVAS's single log point for security.

Configuration

Exported Log Files

The SmartConnector for *SmartConnector for IBM NVAS for z/OS File* parses the information contained in exported files transferred from the OS/390 system to the host running the SmartConnector. Typically, OS/390 administrators will create a script to export and transfer the log file periodically to the host running the connector. The SmartConnector will monitor a configurable folder for new files transferred; once a new file is detected, the connector processes it (and deletes it after it has been processed completely). If there are any problems with the file (for example, if the file was not in the correct format), the SmartConnector will move the file to the subfolder **Bad** so the problem can be investigated further.

Creating Export Files

The export files must be sent in a specific format. See IBM's [DSPJRN \(Display Journal\) Command Description](#) at the IBM Server iSeries Information Center.

Differing Primary Languages

Be aware of the following when using FTP in an environment with different primary languages.

When data is transferred using EBCDIC, the data is stored as is and therefore will be in the EBCDIC code page of the file from which it came. This can result in the stored file being tagged with an inappropriate CCSID value when the primary language of the two servers is different.

For example, when data in code page 237 is sent using TYPE E to the QSYS.LIB file system on a machine where the file does not exist, the data is stored as is in a new file tagged with CCSID 65535. If the receiving file already exists, then the data will be received as is and tagged with the existing file CCSID which may not be 237.

To avoid incorrect CCSID tagging, you can use the TYPE C CCSID subcommand (for example, TYPE C 237) to specify the CCSID of the data being transferred. When a CCSID is specified on a transfer and the data is written to an existing file, the data is converted to the CCSID of the existing file. If no target file exists before the transfer, a file is created and tagged with the specified CCSID.

In the preceding example, if the target file does not exist, a file with a CCSID of 237 is created on the receiving system. When the target file already exists, the data is converted from CCSID 237 to the CCSID of the target file.

When starting the FTP client, message TCP3C14: Unable to convert data from CCSID &1 to CCSID &2, may be displayed. This occurs if no character conversion is available between the EBCDIC CCSID specified by your job and the ASCII CCSID specified for the this FTP session.

You can change the ASCII CCSID by specifying a value for the coded character set identifier parameter of the STRTCPFTP CL command. CCSID 850, which contains the IBM Personal Computer Latin-1 coded character set, is an ASCII CCSID for which character conversions are available to all valid job CCSID values.

Specify Mapping Tables in the FTP Command

For FTP client, the ASCII mapping tables are specified in the FTP command. For FTP server this is done in the Change FTP Attributes (CHGFTP) command. To specify the FTP client mapping tables:

1. Enter the command FTP.
2. Press **PF4**. The **Start TCP/IP FTP** screen is displayed.
3. Press **F10**. The prompts for outgoing and incoming ASCII/EBCDIC tables are displayed.
4. Specify the CCSID (and hence the mapping tables) to be used for the FTP client. When the *DFT value is not changed, the CCSID value 00819 (ISO 8859-1 8 bit ASCII) is used. You may also specify a specific CCSID for both inbound and outbound transfers. The use of CCSIDs is discussed in National Language Support considerations for FTP.



Double-byte character set (DBCS) CCSID values are not permitted for the CCSID parameter on the CHGFTP command. The DBCS CCSID values can be specified using the TYPE (Specify File Transfer Type) subcommand



IBM includes mapping support in FTP to ensure compatibility with releases prior to V3R1. Use of mapping tables for incoming TYPE A file transfers results in the loss of CCSID tagging if the target file must be created. IBM strongly recommends that you use CCSID support for normal operations.

Installing the SmartConnector

The following sections provide instructions for installing and configuring your selected SmartConnector.



Connector Appliance/ArcSight Management Center supports mounting for Network File System (NFS) and CIFS (Windows) shares. When you install this connector on one of these devices, establish a CIFS mount on the device before adding the connector. Provide this share name during connector configuration. For more information, see **Remote File Systems** in the Connector Appliance or ArcSight Management Center Administrator's Guide.

Preparing to Install the SmartConnector

Before you install any SmartConnectors, make sure that the OpenText ArcSight products with which the connectors will communicate have already been installed correctly (such as ArcSight ESM or ArcSight Logger).

For complete product information, refer to the *Administrator's Guide to ArcSight Platform*, available on [ArcSight Documentation](#).

If you are adding a connector to the ArcSight Management Center, see the *ArcSight Management Center Administrator's Guide* available on [ArcSight Documentation](#) for instructions.

Before installing the SmartConnector, make sure that the following are available:

- Local access to the machine where the SmartConnector is to be installed
- Administrator passwords

Configuring and Installing the SmartConnector

1. Start the installation wizard.
2. Follow the instructions in the wizard to install the core software.
3. Specify the relevant [Global Parameters](#), when prompted.
4. From the **Type** drop-down menu, select **IBM NVAS for z/OS File** and click **Next**.
5. Enter the required SmartConnector parameters to configure the SmartConnector, then click **Next**.

Parameter	Description
Folder	Absolute path to the folder containing the log files.

6. Select a [destination and configure parameters](#).
7. Specify a name for the connector.
8. (Conditional) If you have selected **ArcSight Manager** as the destination, the certificate import window for the ArcSight Manager is displayed. Select **Import the certificate to the connector from destination**, and then click **Next**. The certificate is imported and the **Add connector Summary** window is displayed.



Note: If you select Do not import the certificate to connector from destination, the connector installation will end.

9. Select whether you want to install the connector as a service or in the standalone mode.
10. Complete the installation.
11. [Run the SmartConnector](#).

For instructions about upgrading the connector or modifying parameters, see [Installation and User Guide for SmartConnector](#).

Device Event Mapping to ArcSight Fields

The following section lists the mappings of ArcSight data fields to the device's specific event definitions. For more information about the ArcSight data fields, see the [ArcSight Console User's Guide](#).

IBM NVAS for z/OS Event Mappings to ArcSight ESM Fields

ArcSight ESM Field	Device-Specific Field
Device Custom Number 1	NUMBER OF SESSIONS
Device Custom String 1	FULL NAME
Device Custom String 2	RESOURCE ID
Device Custom String 3	JOB NAME
Device Custom String 4	USER GROUP
Device Custom String 5	TERMINAL
Device Event Category	MessageType
Device Event Class Id	Message Type
Device Host Name	HostName
Device Product	OS/390 NVAS
Device Vendor	IBM
Name	Event

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