

OpenText™ Database Activity Monitoring

Installation Guide

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1. Installation Guide

OpenText™ Database Activity Monitoring (DAM) is a security solution used to monitor and analyze database activity for potential security threats or policy violations. DAM captures events in real-time, allowing organizations to detect and respond to suspicious activities and compliance violations. With the increasing volume and complexity of data and database systems, DAM has become essential in protecting sensitive information and ensuring regulatory compliance.

This document provides information about:

- meeting installation prerequisites
- configuration settings for installation
- installing Database Activity Monitoring

Abbreviations

Information about the abbreviations used in this guide are given in the table below.

| Abbreviations | Definition |
|---------------|--------------------------------|
| DAM | Database Activity Monitoring |
| IIS | Internet Information Services |
| IP | Internet Protocol |
| IPv4 | Internet Protocol Version Four |
| SSMS | SQL Server Management Studio |

1.1. Prerequisites

Before installing Database Activity Monitoring, you must make sure that you have met the following prerequisites on the machine on which the installation is performed.

This section includes:

- [Obtain OpenText™ Database Activity Monitoring software](#)
- [Database Activity Monitoring installation overview](#)

Obtain OpenText™ Database Activity Monitoring software

The latest software for OpenText™ Database Activity Monitoring `DAM_25.3.0_Installation.zip` can be found on OpenText Software Support Online.

Starting with Database Activity Monitoring 25.1.0, a setup script has been designed to facilitate the installation of all DAM components and compatible third-party applications.



Important

It is recommended to contact OpenText support to make configuration changes in the script.

Database Activity Monitoring installation overview

Before you can use Database Activity Monitoring to monitor and analyze database activity, you need to install the software.

1. Download **DAM_25.3.0_Installation.zip** to the **C:** and extract it to the same location.
All the files are now extracted to the folder **C:\DAM_25.3.0_Installation**.
2. On **C:** create a folder named **DSMedia**.
3. Move all the files and folder from the extracted folder **C:\DAM_25.3.0_Installation** to **C:\DSMedia** folder.
4. The **C:\DSMedia** folder must contain all the setup files required for installation.
5. Installation files for **Agent** are available in the location **C:\DSMedia\agent**. To install Agent, refer to the *OpenText™ Database Activity Monitoring Admin Guide*.
6. Installing Database Activity Monitoring must meet the requirements for your machine. See [Requirements](#).

1.2. Requirements

The following are the system requirements:

- [Supported Operating System](#)
- [Disk Partitioning](#)
- [Static IP Address Settings](#)
- [Timezone Settings](#)
- [Administrative Privileges](#)

1.2.1. Supported Operating System

The installation script is compatible exclusively with the following Windows Server versions:

- Windows Server 2019
- Windows Server 2022
- Windows Server 2025

1.2.2. Disk Partitioning

The system partition resides on Disk **C**, which serves as the primary drive for the operating system.

Partition the remaining disks according to the recommended specifications below to optimize product performance and security.

| Purpose of Use | Drive | Min. Disk Capacity | Min. Disk Performance |
|---------------------------|----------------|--------------------|-----------------------|
| DAM Real-time Data | E: (ESDATA) | 500GB | 1000(MB/s) |
| DAM Backup Data | F: (ESBACKUP) | 250GB | 250(MB/s) |
| DAM Archive Data | S: (ESARCHIVE) | 250GB | 250(MB/s) |
| Product Configuration | G: (SQL) | 50GB | 250(MB/s) |
| Microsoft Message Queuing | Q (MSMQ) | 50GB | 1500(MB/s) |

1.2.3. Static IP Address Settings

Before starting the installation process, make sure that the machine running the script has a static IP address configured.

Assigning the Static IP Address

To get the IP address of the machine,

1. Open the Command Prompt, type `ipconfig`, and press **Enter**.
2. Copy the address for **IPv4 Address**.

To define IPv4 Address as a static IP address,

1. Go to **Control Panel > All Control Panel Items > Network Connections**.
2. Right click **Ethernet1** and choose **Properties**.
3. Clear **Internet Protocol Version 6 (TCP/IPv6)**.
4. Choose **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.
5. Choose **Use the following IP address**.
6. Paste or type the following fields of the machine:
 - IP address
 - Subnet mask
 - Default gateway
7. Click **OK**.
8. Check statistics of IP using the `ping` command.

1.2.4. Region and Timezone Settings

Make sure that the **Region and Time Zone Settings** of the server are configured appropriately according to your local time zone.

**Important**

The timezone setting directly impacts the timestamp of DAM logs.

Setting the machine Timezone

To set the Timezone of the machine:

1. Go to **Control Panel > All Control Panel Items > Region**.
2. In the **Formats** tab, from the **Format** drop down, select English (US) or English (UK).
3. Click **Apply**.
4. In the **Administrative** tab, click **Copy settings**.
5. Select the following check boxes of **Copy your current settings to**:
 - **Welcome screen and system accounts**
 - **New user accounts**.
6. Click **OK**.
7. Go to **All settings > Time & Language**.
8. Choose the **Time Zone** as your local time zone.

1.2.5. Administrative Privileges

**Important**

Make sure you have the administrator access to the machine where you want to install DAM, otherwise the installation script execution fails with warning

1.3. Configuration

The configuration application **ConfigEditor** handles all configuration settings required during the installation process.

1. Navigate to **C:\DSMedia\tools**.
2. Launch **ConfigEditor**.
3. Enter the required values in the following fields:
 - **Host IP address** - If the server does not have at least one static IP address configured, this field is automatically set to **127.0.0.1** and this value cannot be modified.
 - **Mandatory** - These fields must be configured separately, as they may differ from installation to installation.

| Field | Function | Configuration |
|-------------------|--|---|
| ipaddress | Static IP Address of the main Server | Valid IP address must be provided (i.e., 192.168.1.100) |
| msmsg.storage | Queue Storage folder path for DAM Data | Path must be provided (i.e., Q:\MSMQ\Storage) |
| msmsg.Logs | Storage path for MSMQ logs | Path must be provided (i.e., Q:\MSMQ\Logs) |
| msmsg.transaction | MSMQ transaction data storage path | Path must be provided (i.e., Q:\MSMQ\Transaction) |
| sql.username | SQL Server admin username | Default value is given as sa and can be changed |
| sql.password | SQL Server admin password | Provided by customer during the installation |
| sql.datapath | Storage path for SQL Server data | Path must be provided (i.e., G:\SQL) |
| sql.logpath | Storage path for SQL Server log data | Path must be provided (i.e., G:\SQL) |
| sql.historypath | Storage path for SQL Server historical records | Path must be provided (i.e., G:\SQL) |
| sql.fulltextpath | Storage path for SQL Server full text indexes | Path must be provided (i.e., G:\SQL) |

| | | |
|-----------------------------------|--|---|
| elasticsearch.configuration.esUrl | URL Address for Elasticsearch service | In cluster installations, it is essential to enter the server's static IP address (default value is set to http://127.0.0.1:9200) |
| elasticsearch.clusterName | Definitive name for Elasticsearch Cluster | Private name must be provided by customer (i.e., DS_Cluster) |
| elasticsearch.nodeName | Definitive name for Elasticsearch node | Private name must be provided by customer (i.e., DS_Node1) |
| elasticsearch.networkHost | Network connection address of Elasticsearch | URL must be provided (i.e., 127.0.0.1) |
| elasticsearch.pathData | Main data folder | Path must be provided (i.e., E:\ESDATA) |
| elasticsearch.esHotArchive | Archive folder (Data older than the current day's data will be archived daily at 01:00 AM) | Path or UNC file path must be provided (i.e., F:\ESARCHIVE or \\NASSERVER\ESREPO\HOTARCHIVE) |
| elasticsearch.esBackup | Backup folder (The data will be backed up daily at 01:00 AM.) | Path or UNC file path must be provided (i.e., F:\ESBACKUP) |
| elasticsearch.hotCapacity | Daily Hot data capacity (The live data allows for searches to be conducted for the last <hotcapacity> number of days on the search screen) | Adjustable numeric field (default value is 180) |
| elasticsearch.warmCapacity | Daily Warm data capacity (The live data allows for searches to be conducted for the number of days specified by <warmcapacity> prior to the HOT data on the search screen) | Adjustable numeric field (default value is 180) |

| | | |
|-------------------------------|---|--|
| elasticsearch.archiveCapacity | Daily Archive capacity | Adjustable numeric field (default value is 735) |
| elasticsearch.shardcount | Index shard count (The index shard count specifies how many different data nodes a single day's data will be divided into.) | The default value is set to "1". In cluster installations, it should be equal to the number of data nodes. |
| elasticsearch.replicacount | Data replication factor | The default value is set to "0". If there is a need for data replication (High Availability), it can be adjusted to "1". |

- **Optional** - User can choose to configure this or use the default values. Contact OpenText support for any changes required in this configuration settings.
- **Advanced** - You must use the default values. Contact OpenText support for any changes required in this configuration settings.
- **Other** - You must use only the default values.

1.4. Installation

Follow the below instructions to install Database Activity Monitoring:

1. Navigate to the location **C:\DSMedia**.
2. Open the Windows Powershell with administrative privileges.
3. Run the below command to execute script **setup-script.ps1**.
`.\setup-script.ps1`
4. Once the installation starts, all required components and third-party components will be installed one at a time.



Note

- During the installation process, the system may require several restarts. After restarting the system, the installation will resume after logging in to the server.
- If an error occurs during the installation process, a detailed explanation of the error is displayed in the PowerShell console. You can also view the error details in the log file available in C:\DSMedia\logs directory.

5. When the installation is successful, the following window appears. This shows that all required configurations have been made and the installation is successful

```
Event sent successfully. ID: 1rHN_JMB1_ySfAzxvINK
Running Curator Task
SUCCESS: Attempted to run the scheduled task "InfraskopeESCuratorTask".
'InfraskopeESCuratorTask' task successfully started.
Installing Console
The IS Console has been successfully installed.
Installing ISServer
The DAM Server has been successfully installed.
Installing DAM Collector
The DAM Collector has been successfully installed.
Configuring antivirus exceptions...
True
Product Installation completed successfully!
Installing additional tools. You can start using DAM Server!
Installing SQL Server Management Studio
SSMS installed successfully.
True
Installing Notepad++...
Installing Notepad++
Notepad++ has been installed successfully.
True
Installing Chrome
Installation completed successfully!
Please restart your computer to finish installation. Press Enter to exit..:
```

6. Restart the server

1.5. Licensing

A 14-day trial license is provided for the Database Activity Monitoring. The license file `app.license` available in **C:\DSMedia** are copied to **C:\inetpub\wwwroot\ElfWebService** during installation.

1. Open dashboard from the Database Activity Monitoring desktop icon.
2. Enter the following:
 - **Server Name** : hostname / IP
 - **User Name** : logadmin
 - **Password** : password1

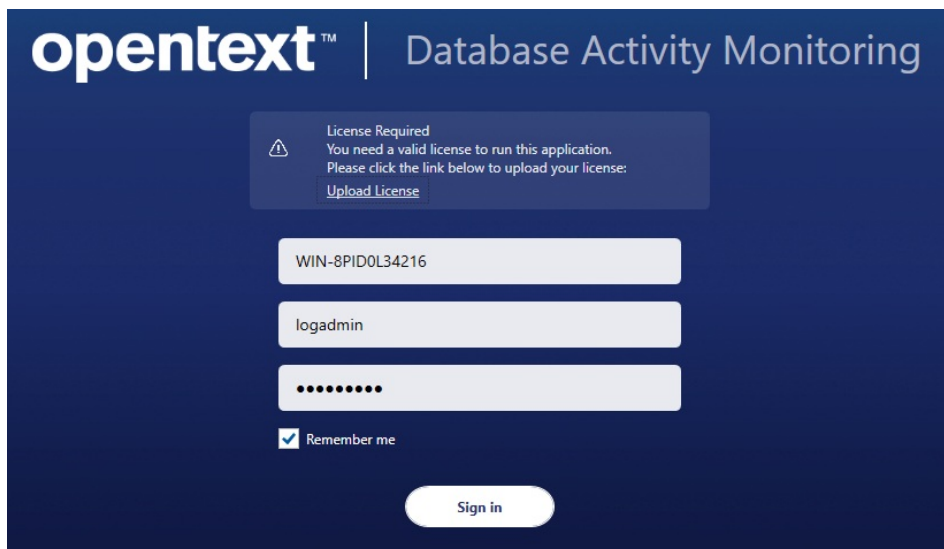
Recommendation

Change the default password after the first login.

3. After successful login, license expiration and Product Installed information are displayed on the dashboard.

opentext™ | Database Activity Monitoring | Evaluation | 14 days left.

Once the trial period expires, a notification appears during the login.



4. Click **Upload License** to upload the license you purchased from OpenText. This replaces the trial license file located in folder **C:\inetpub\wwwroot\ElfWebService**.

Recommendation

You can purchase license before the trial version expires.

1.6. Elasticsearch Security Configuration



Important

It is recommended to change the default password to avoid the significant security vulnerabilities. Make sure that this step is not missed and that a strong, secure password is used instead.

To change the default password:

1. Navigate to **Settings > Storage**.
2. Select the **Security** tab.



Note

The **Old Password** information can be obtained from the System Administrator or through the **C:\DSMedia\tools\ConfigEditor.exe** application by clicking the **Copy EsPassword** to Clipboard button.

1.7. Post-Config within Console

To mask the SQL Password information, use the following regex in the **sql_text** field on the **All Settings > DataMaskExpressions** screen:

```
(?ix)(?: (?<=\bpassword\s*=\s*'')[^']+?(?='') | (?<=\bpassword\s*=\s*"")[^"]+(?=") | (?<=\bcreate\s+(?:user|role)\b.*?\b(?:encrypted\s+)?password\s*'')[^']+?(?='') | (?<=\bcreate\s+(?:user|role)\b.*?\b(?:encrypted\s+)?password\s*"")[^"]+(?=") | (?<=\bcreate\s+(?:user|role)\b.*?\bpassword\s*'')[^']+?(?='') | (?<=\bcreate\s+(?:user|role)\b.*?\bpassword\s*"")[^"]+(?=") | (?<=\bcreate\s+(?:user|role)\b.*?\b(?:encrypted\s+)?password\s+)[^\s;'"=]+ | (?<=\balter\s+user\b.*?\bidentified\s+by\s+)[^\s;'"=]+ | (?<=\bupdate\b.*?\bset\s+password\s*=\s*'')[^']+?(?='') | (?<=\bupdate\b.*?\bset\s+password\s*=\s*"")[^"]+(?=") | (?<=\bset\s+password\s+for\b.*?\s*=\s*'')[^']+?(?='') | (?<=\bset\s+password\s+for\b.*?\s*=\s*"")[^"]+(?=") )
```

1.8. Upgrading DAM Components

If you already have an older version of the product installed on your server, you can upgrade it directly to the latest version using the component installers.



Note

- Direct upgrade to the latest version is supported from version 24.x and 25.x.

Upgrading DAM Web Service

1. Double click on the **C:\DSMedia\components\elfweb service_o_win64_*.msi** file.

The advanced installer will start.

2. Click **Next** on the opened page.
3. The End-User License Agreement page will open. Accept the license agreement and click **Next**.
4. The Installation Folder page will open. Select the folder that you want to install and click Next.
5. The Ready to Install page will open. Click **Install** to start the update.
6. Once the update has been completed, click **Finish** to exit the installer.
7. If you are upgrading from a version older than 25.2, the **Web Service** component requires the following additional steps. Or else you can continue with [Upgrading DAM Server](#).

1. Once the update is completed successfully, the following code should be added just before the `</configuration>` line in the **web.config** file:

```
<runtime>
  <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
    <dependentAssembly>
      <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe"
        publicKeyToken="b03f5f7f11d50a3a" culture="neutral" />
      <bindingRedirect oldVersion="0.0.0.0-6.0.0.0" newVersion="6.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="Serilog" publicKeyToken="24c2f752a8e58a10"
        culture="neutral" />
      <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
    </dependentAssembly>
  </assemblyBinding>
</runtime>
```

2. After the addition, the content of the **web.config** file should look like the following.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>...</configSections>
  <appSettings>...</appSettings>
  <connectionStrings />
  ...
  <system.web>...</system.web>
  <applicationSettings>...</applicationSettings>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe" publicKeyToken="b03f5f7f11d50a3a" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0-6.0.0.0" newVersion="6.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="Serilog" publicKeyToken="24c2f752a8e58a10" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
    </assemblyBinding>
  </runtime>
</configuration>
```

**Note**

Steps 7.1 and 7.2, which are usually done manually, can be performed automatically using the PowerShell script below:

fix-webservice-after-update.ps1

```
# 1. Path to your config file
$path = "C:\inetpub\wwwroot\ElfWebService\web.config"

# 2. The XML fragment you want to insert
$runtimeFragment = @"
<runtime>
  <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
    <dependentAssembly>
      <assemblyIdentity
name="System.Runtime.CompilerServices.Unsafe"
publicKeyToken="b03f5f7f11d50a3a" culture="neutral" />
      <bindingRedirect oldVersion="0.0.0.0-6.0.0.0"
newVersion="6.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="Serilog"
publicKeyToken="24c2f752a8e58a10" culture="neutral" />
      <bindingRedirect oldVersion="0.0.0.0-4.2.0.0"
newVersion="4.2.0.0" />
    </dependentAssembly>
  </assemblyBinding>
</runtime>
"@

# 3. Load the existing XML document
$xml = Get-Content $path

# 4. Parse the fragment into an XML document
$xmlFragment = $runtimeFragment

# 5. Import the <runtime> node and append it under
<configuration>
$runtimeNode = $xml.ImportNode($runtimeFragment.runtime, $true)
$xml.DocumentElement.AppendChild($runtimeNode) | Out-Null

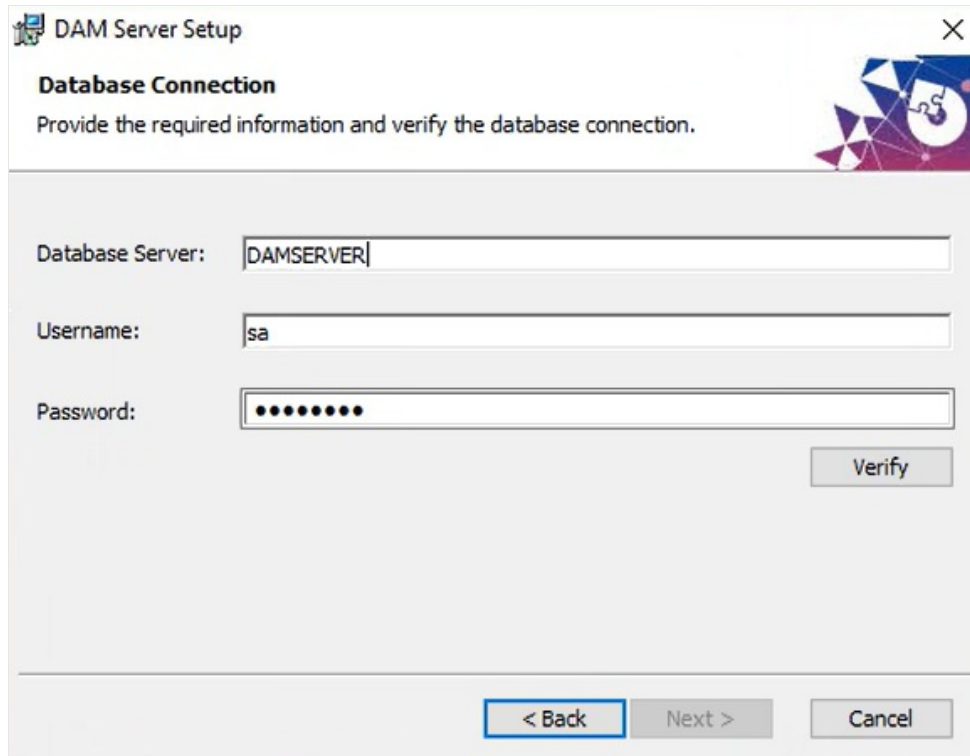
# 6. Save the updated XML back to disk
$xml.Save($path)

Write-Host "Runtime section successfully added to $path"
```

Upgrading DAM Server

1. Double click on the **C:\DSMedia\components\isserver_o_win64_*.msi** file.
The advanced installer will start.
2. Click **Next** on the opened page.
3. The End-User License Agreement page will open. Accept the license agreement and click **Next**.
4. The Installation Folder page will open. Select the folder that you want to install and click **Next**. The Database Connection page will open.

5. Enter Database Server, Username, and Password.



6. Click **Verify** to check the connection. If the connection is successful, then click **Next**. The Ready to Install page will open.
7. Click **Install** to start the update.
8. Once the update has been completed, click **Finish** to exit the installer.

Upgrading DAM Collector

1. Double click on the **C:\DSMedia\components\damclassiccollector_o_win64_*.msi** file. The advanced installer will start.
2. Click **Next** on the opened page.
3. The End-User License Agreement page will open. Accept the license agreement and click **Next**.
4. The Installation Folder page will open. Select the folder that you want to install and click **Next**.
5. The Ready to Install page will open. Click **Install** to start the update.
6. Once the update has been completed, click **Finish** to exit the installer.

Upgrading DAM Console

Upgrading the DAM Console can be performed in two different ways:

1. You can upgrade each component individually or all together [Using Control Panel](#).
2. Alternatively, you can upgrade the DAM Console directly by [Running Installation File](#), which updates all Console components at once.

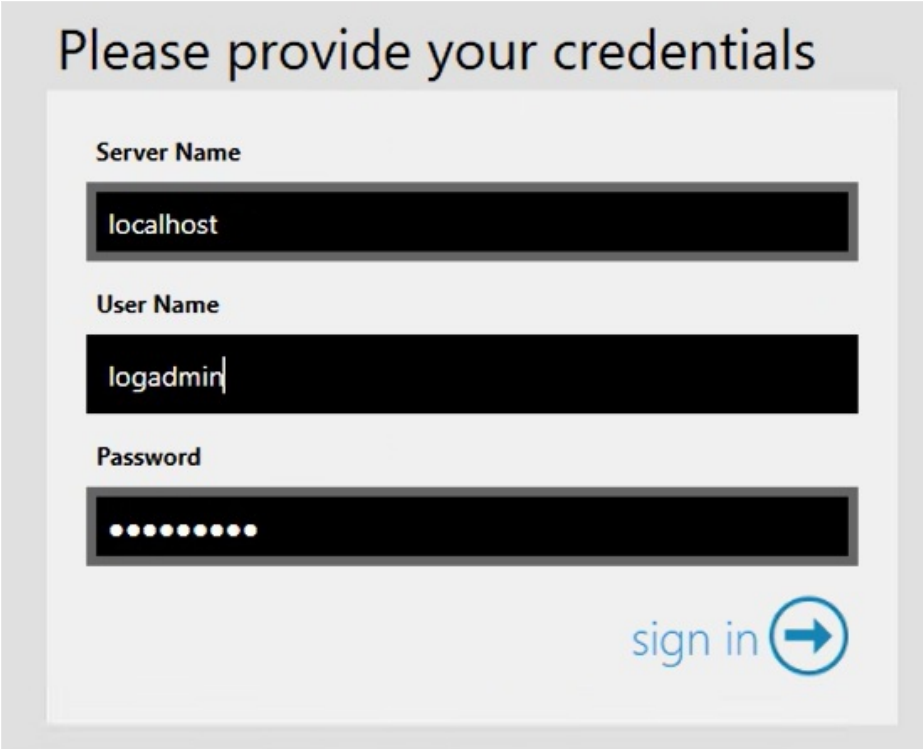
Using Control Panel

Install DAM Control Panel

1. Double click on the **C:\DSMedia\components\controlpanel_o_win64_*.msi** file.
2. The advanced installer will start. Click **Next** on the opened page.
3. The End-User License Agreement page will open. Accept the licence agreement and click **Next**.
4. The Installation Folder page will open. Select the folder that you want to install and click **Next**.
5. The Ready to Install page will open. Click **Install** to start the update.
6. Once the update has been completed, click **Finish** to exit the installer.

Upgrading DAM Console Components

1. Double click on the **Control Panel** icon on the Desktop.
2. Enter the **Server Name**, **User Name**, and **Password**. Click **sign in**.



Please provide your credentials

Server Name

localhost

User Name

logadmin

Password

.....

sign in →

3. If you are installing for the first time, you should enter the Company Info details and click **REGISTER**.

Info! All fields required!

Company Name:

Email Address:

Password:

Repeat Password:

Security Question:


Secret Answer:

REGISTER

CANCEL

4. Product list will be displayed. Select the components that you want to update and click **Proceed**.

DAM Control Panel v.25.20.2

 1 product available to install. 6 products updates available.

SELECT ALL ☒

| | |
|---|---|
| DAM Database Updater | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |
| DAM API | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |
| DAM Curator | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |
| DAM Scheduled Reports | INSTALL <input checked="" type="checkbox"/> |
| DAM Installer API | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |
| DAM Event Exporter | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |
| DAM TIFeed | UPDATE <input checked="" type="checkbox"/> |
| 25.1.5.48 Tue Apr 29, 2025 10: 22 AUTOMATEDTESTS2 | |

Connected as: logadmin [Change Password](#)

PROCEED

EXIT

5. Enter **Currently connected server**, **Database username**, and **Password**.
6. Click **TEST CONNECTION**. After the connection is successful, click **Save**.

This opens the Register page.

Verification is required for the selected Infraskope API and Infraskope Installer API services' database connection string. If you wish, you can modify this connection string.

Currently connected server:

Database user name:

Password:

Provide the required parameters and click Save.

- Once the update is completed, click **Exit** to exit the updater.

DAM Control Panel v.25.20.2

7 installed products.

| | |
|---|-----------|
| DAM Database Updater | INSTALLED |
| 25.20.1.0 Tue Apr 29, 2025 11: 09 AUTOMATEDTESTS2 | |
| DAM API | INSTALLED |
| 25.20.5.0 Tue Apr 29, 2025 11: 09 AUTOMATEDTESTS2 | |
| DAM Curator | INSTALLED |
| 25.20.2.0 Tue Apr 29, 2025 11: 09 AUTOMATEDTESTS2 | |
| DAM Scheduled Reports | INSTALLED |
| 25.20.3.0 Tue Apr 29, 2025 11: 09 AUTOMATEDTESTS2 | |
| DAM Installer API | INSTALLED |
| 25.20.3.0 Tue Apr 29, 2025 11: 09 AUTOMATEDTESTS2 | |
| DAM Event Exporter | INSTALLED |
| 25.20.1.0 Tue Apr 29, 2025 11: 10 AUTOMATEDTESTS2 | |
| DAM TIFeed | INSTALLED |
| 25.20.3.0 Tue Apr 29, 2025 11: 10 AUTOMATEDTESTS2 | |
| STATUS | |
| Updating DAM Database Updater DAM Database Updater Updated Updating DAM API DAM API Updated Updating DAM Curator DAM Curator Updated | |

Connected as: logadmin [Change Password](#)

Running Installation File

- Double click on the **C:\DSMedia\components\esui_k_win64_*.msi** file.
- The advanced installer will start. Click **Next** on the opened page.

3. The End-User License Agreement page will open. Accept the licence agreement and click **Next**.
4. The Installation Folder page will open. Select the folder that you want to install and click **Next**.
5. The Ready to Install page will open. Click **Install** to start the update.
6. Once the update has been completed, click **Finish** to exit the installer.



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