

Enterprise Surveillance Manager Version 6.0 Installation Manual

This document provides installation, setup, and system configuration instructions for IPConfigure Enterprise Surveillance Manager (ESM) version 6.0.

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System Requirements

➤ Server Hardware/Software Minimum Requirements

Enterprise Surveillance Manager 6.0 recording and management functions utilize a x64 hardware platform with the following **MINIMUM** requirements.

OS:	Windows Server 2012 R2
Browser	Internet Explorer 11 w/ FLASH installed
CPU:	Intel Core i3
RAM:	8 GB
Network:	1 Gbps
Hard drives:	SATA 6 Gb/s 7200 RPM Surveillance or Enterprise Class
Graphics card:	1 GB onboard video memory
UPS:	Initiates formal shutdown during power interruptions

➤ Client Hardware/Software Minimum Requirements

Client user and administrative access to Enterprise Surveillance Manager 6.0 software is provided through a web browser equipped workstation with the following **MINIMUM** requirements.

OS:	Windows 7 Pro 64-bit
Browser	Internet Explorer 11 w/ FLASH installed
CPU:	Intel Core i7
RAM:	8 GB
Network:	1 Gbps
Graphics card:	1 GB onboard video memory

OS Installation & Configuration

➔ Windows Server 2012 R2 Setup

Microsoft provides up to date content for IT professionals to plan, deploy, manage, troubleshoot, and support servers running the Windows Server 2012 R2 and Windows Server 2012 operating systems. For more information, see the following link: Microsoft Tech Net Windows Server 2012 R2, <https://technet.microsoft.com/library/hh801901.aspx>.

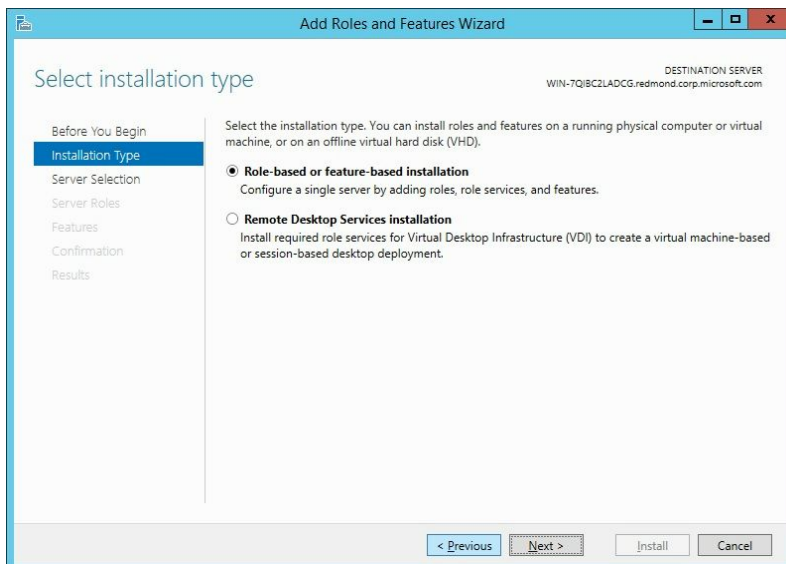


OS Installation Steps:

1. Install operating system.
2. Setup [drive partition\(s\)](#).
3. Assign password to built-in administrator account.
4. Connect to Internet (optional).
5. Check for Windows Updates (optional).

➔ Server Roles and Features Dependency Installation

IIS servers the Enterprise Surveillance Manager 6.0 web browser interface and needs to be installed as a server role in Windows Server. To install and configure IIS, open the Server Manager and click the Manage button in the top toolbar, then click Add Roles and Features.

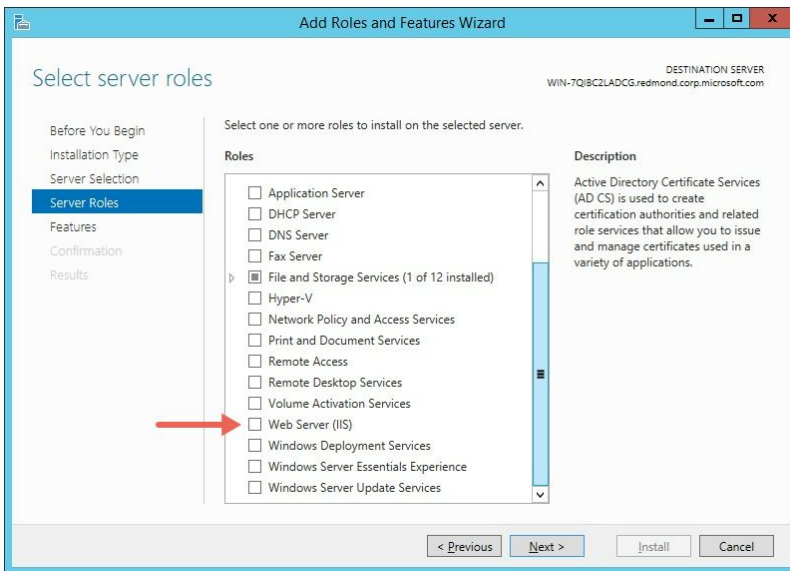


Click Next on the Before you Begin page.

Role-based or feature-based installation should be selected on the Installation Type page. Click Next to continue.

On the Server Selection page, ensure the server you're setting up is selected (this should only be required if a Server Pool has been setup).

Click the Next button.

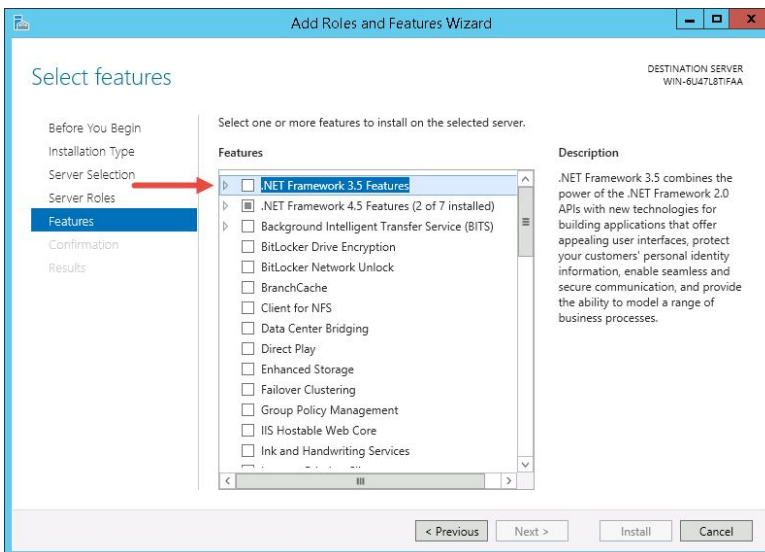


On the Server Roles page, select **Web Server (IIS)**.

A new window will appear asking if you want to add any additional features for IIS.

Leave everything at the default and click the **Add Features** button to close the window.

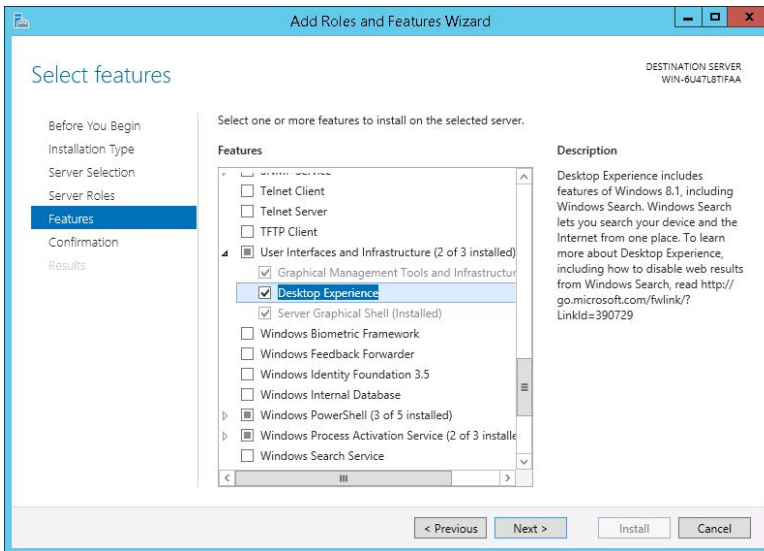
Click **Next** to continue to the **Features** page.



Select **.NET Framework 3.5 Features**.

Click the drop-down button for **.NET Framework 4.5 Features** and expand the **WCF Services** section.

Check **HTTP Activation, TCP Activation, and TCP Port Sharing** (if it is not already checked).



Scroll down and select **Media Foundation**.

Scroll down and expand the **User Interfaces and Infrastructure** section. Select **Desktop Experience**.

Click **Next** to continue to the **Confirmation** page.

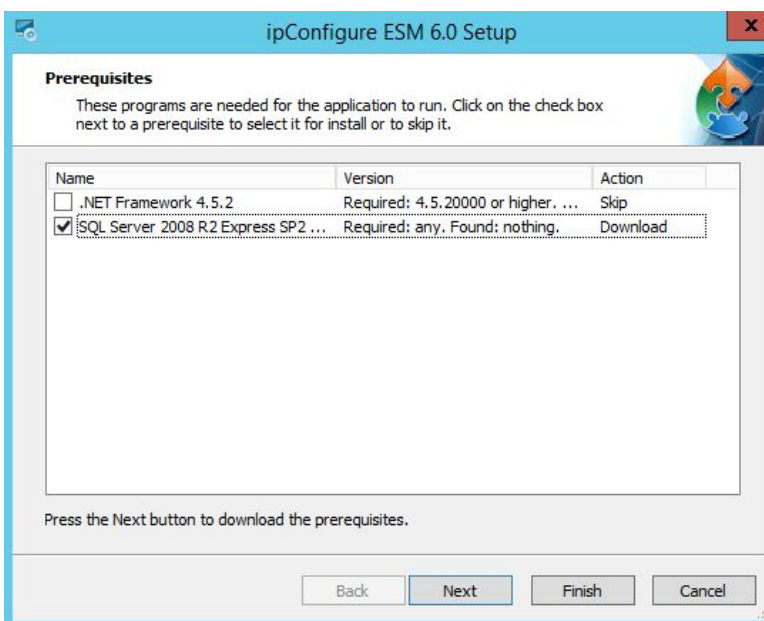
Click the **Install** button to the selected features.

Once the wizard completes, **restart the server** to finish the installation.

ESM & SQL Server Installation

➔ ESM Prerequisite Installation

The ESM installation package is able to install .NET Framework 4.5.2 and Microsoft SQL Server 2008 (or higher) if they are not installed already. However, you will need an internet connection for the installation. .NET Framework 4.5.2 should only need to be installed if you are using Windows Server 2008.



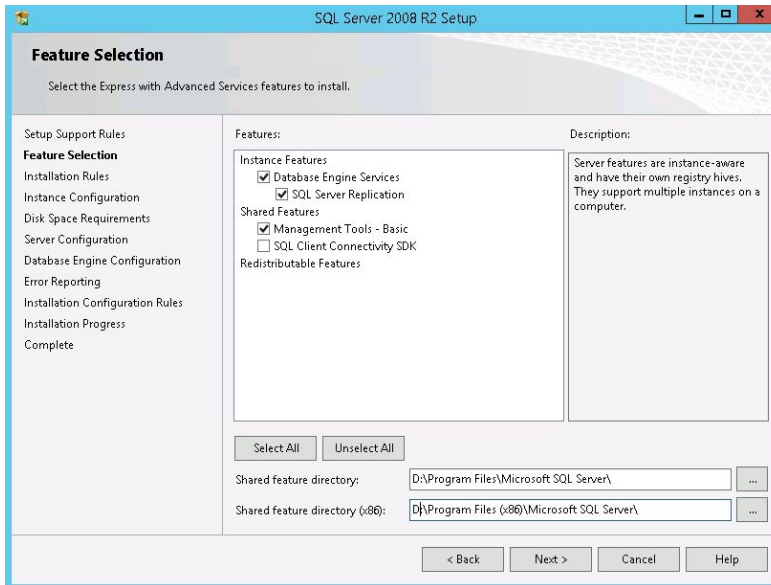
The Prerequisites page will automatically select .NET Framework 4.5.2 and SQL Server if they need to be installed. Click **Next**.

The installer will begin downloading and installing .NET Framework and SQL Server as needed.

Their respective installation wizards will open in new windows once they are installed.

➔ SQL Server Installation

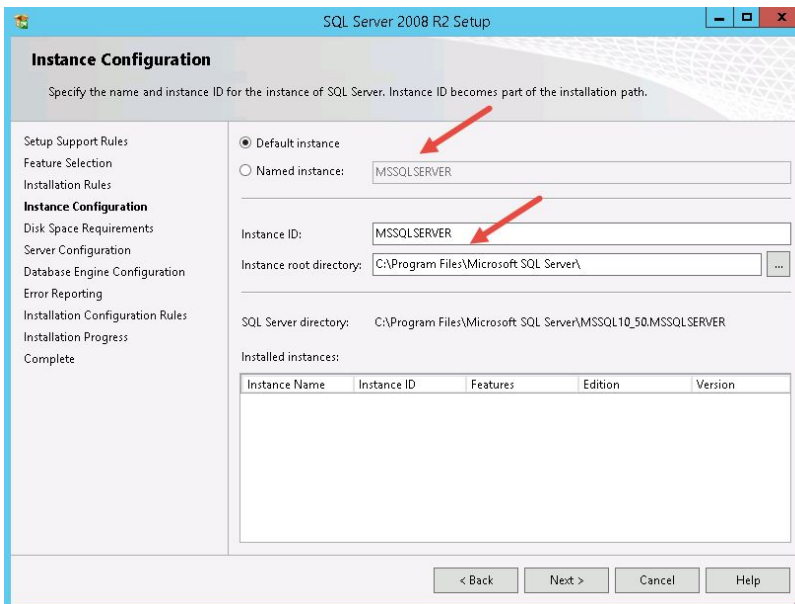
Accept the installation license license terms and click **Next** until you reach the **Feature Selection** page. The installer will automatically scan your system and determine what needs to be installed.



The default features can be left checked.

We recommend setting the **Shared feature directory** and **Shared feature directory (x86)** to be installed on your largest storage volume.

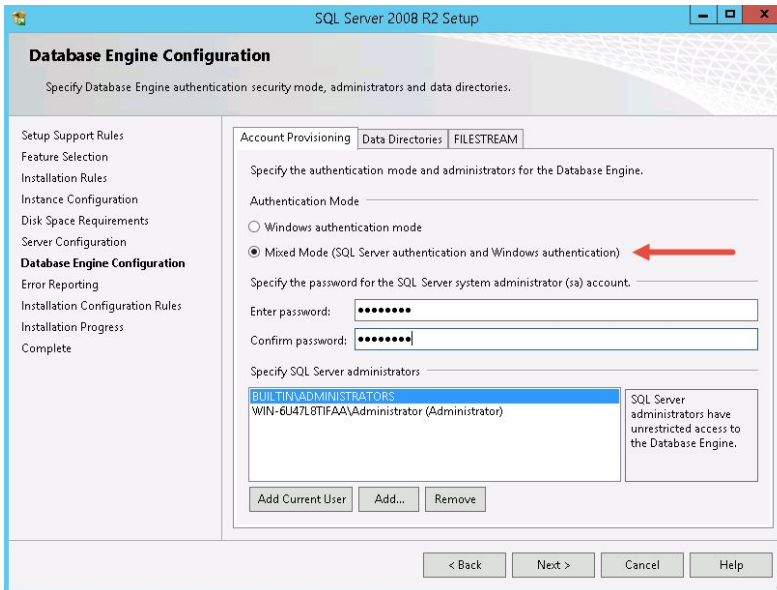
When ready, click the **Next** button to proceed with the installation.



The **Named instance** and the **Instance ID** both need to be set to **MSSQLSERVER**

Update the **Instance root directory** to match the same drive you set for the **Shared feature directory** in the previous step.

Click the **Next** button until you reach the **Database Engine Configuration** page.



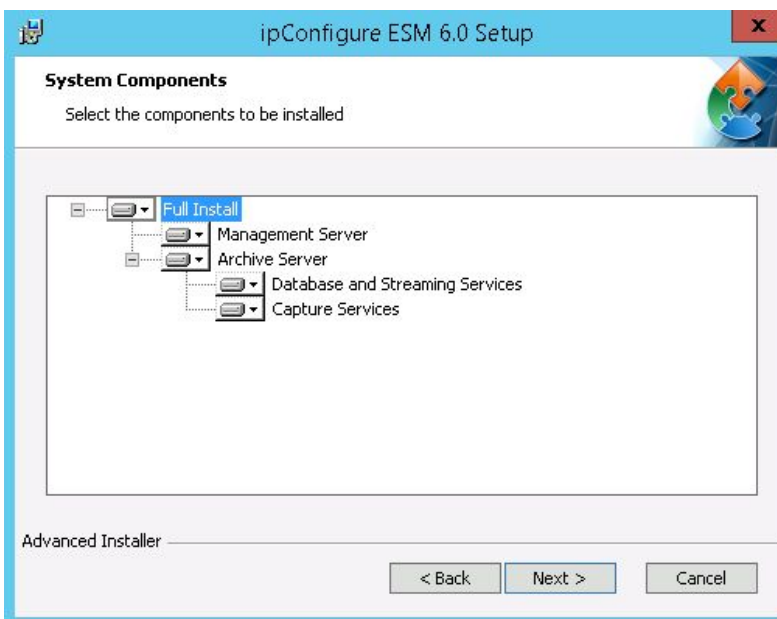
Set the **Authentication Mode** to **Mixed Mode** and set the password to:

P@ssword

Leave everything else as the default setting and click the **Next** button twice to complete the installation.

The ESM installation wizard will automatically open once SQL has finished installing.

➔ ESM Installation



Select the ESM components you want to install.

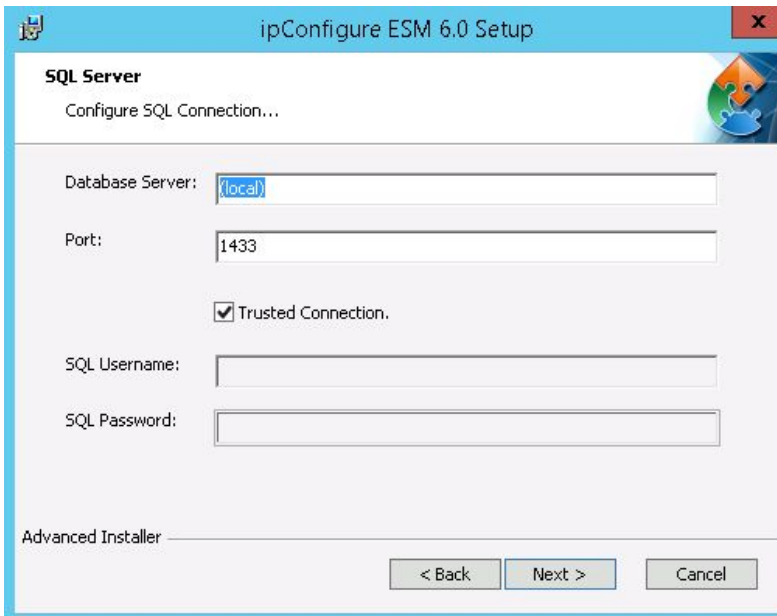
Full Install: Installs both the management server software and the archive server software, allowing one server to serve both purposes.

Management Server: Only installs the software for the management side of ESM.

Archive Server: Installs both a database and the capture services used for archiving video.

Click the **Next** button once you have selected the components you want installed.

Tip: Consult the diagram **ESM Installation Options** on page 11 for schematics of several common ESM installation architectures, with explanations of which components should be installed on which servers.

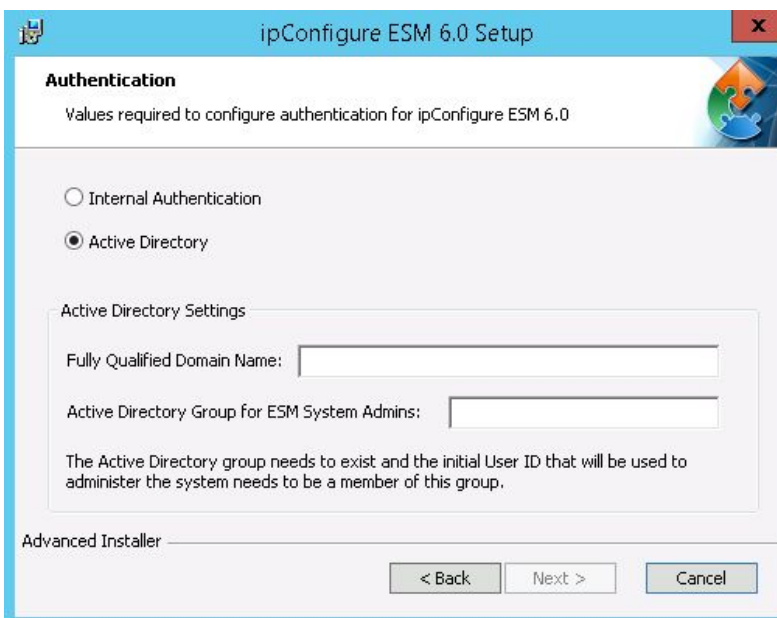


Input the IP address or hostname of the server your SQL database is running on. This would only apply if you are doing a **3rd Tier Installation**.

In most cases, the database will be running on the same server as ESM and the default setting of (local) will work.

The **SQL Username** and **Password** fields can be left blank.

Click **Next** once you have set the database settings.



Select the authentication method you want ESM to use.

Internal Authentication will set ESM to use its own authentication system, managed within the ESM admin interface.

Active Directory will set ESM to use an already setup Active Directory server.

For **Active Directory**, the domain name and system admin group will need to be set in the **Active Directory Settings** section.

Click **Next** to proceed.

ESM System Properties
Values required to configure ipConfigure ESM 6.0

System Title Text: Enterprise Surveillance Manager

Management Server: WIN-6U47L8TIFAA

Archive Server: WIN-6U47L8TIFAA

Advanced Installer

< Back Next > Cancel

The System Title Text sets the page titles for ESM that will appear in the browser and can be set to your preference, or left at the default.

The **Management Server** and **Archive Server** fields must be either the IP addresses or hostnames of the respective servers.

Click the **Next** button to continue to the SMTP settings.

SMTP settings
SMTP settings are required if you wish to receive email notifications

SMTP Server: Port: 25 Use SSL

SMTP User Name:

SMTP Password:

SMTP From:

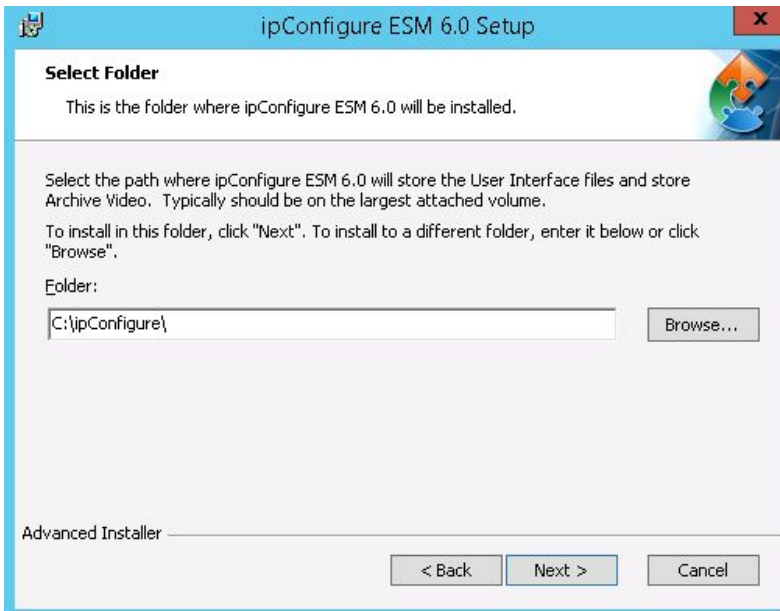
Advanced Installer

< Back Next > Cancel

Enter the server and username information for the E-mail account ESM will use to send E-mail alerts.

This can be left blank if you do not intend to have ESM send automated reports and alerts through E-mail.

Click the **Next** button when ready.



Set the folder where ESM will store the user interface files and archive video.

This should be the largest volume available on the server.

Click **Next** once you have set the install folder, then the **Install** button on the next page to complete the installation.

When the installation finishes, click the **Finish** button to close the installer.

Restart the server when prompted by the installation wizard is complete to finish installing ESM.

ESM Installation Options

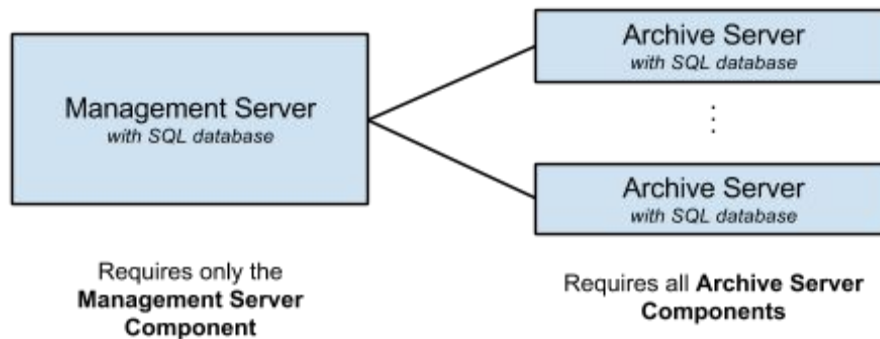
Full Installation (Single Server) *Recommended for small systems*



All Components are installed
on one server

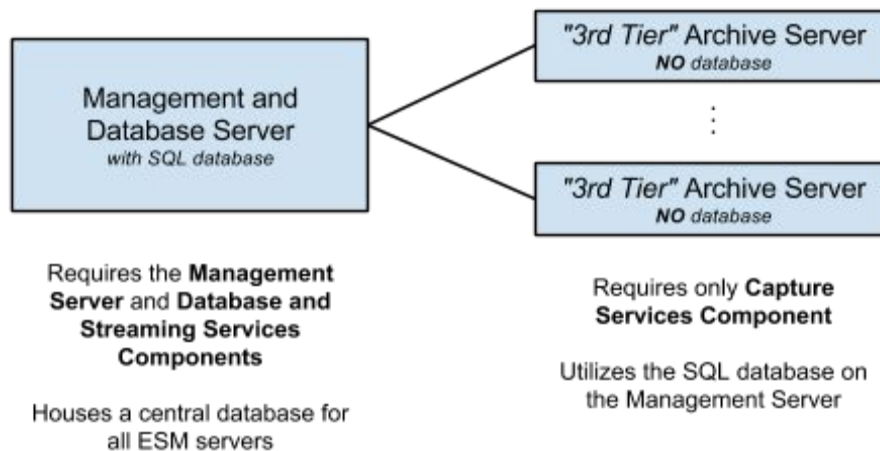
Additional Archive Servers can
be linked later

Distributed Installation (Multiple Servers) *Recommended for large systems*



Each server includes a local SQL database server

3rd Tier Installation (Multiple Servers) *Recommended for advanced users and specialized applications only*



Note: In any installation, there can only be one Management Server, but there can be multiple Archive Servers used for recording, each linked back to a single Management Server.

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