IPCONFIGURE



Enterprise Surveillance Manager Version 6.0 Installation Manual

This document provides installation 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

Holient 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 <u>drive partition(s)</u>.
- 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.

î.	Add Roles and Features Wizard
Select installation	n type DESTINATION SERVER WINI-70/ISC2LADCG.redmond.corp.microsoft.com
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD). Role-based or feature-based installation Configure a single server by adding roles, role services, and features. Remote Desktop Services Installation Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.
	< Previous Next > Install Cancel

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.

elect server ro	bles	Wit	DESTINATION SERV N-7QIBC2LADCG.redmond.corp.microsoft.co
Before You Begin Installation Type	Select one or more roles to install on the selected server	r.	Description
Server Selection Server Roles Features Confirmation Results	 Application Server DHCP Server DNS Server Fax Server ■ File and Storage Services (1 of 12 installed) Hyper-V Network Policy and Access Services Print and Document Services Remote Access Remote Desktop Services Volume Activation Services Web Server (IIS) Windows Deployment Services Windows Server Essentials Experience Windows Server Update Services 		Active Directory Certificate Service (AD C5) is used to create certification authorities and relate role services that allow you to issu and manage certificates used in a variety of applications.

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.

elect features		DESTINATION SERVE WIN-6U47L8TIFA
Before You Begin Installation Type	Select one or more features to install on the selected server. Features	Description
Server Roles Features Confirmation Results	INET framework 4:35 Features Image: Intermet i	power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provid the ability to model a range of business processes.

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).

Select features	Select one or more features to install on the selected server.	DESTINATION SERVER WIN-6U47L8TIFAA
Installation Type	Features	Description
Server Selection Server Roles Features Confirmation Results	P Branch Schner Telnet Client Image: Server TTTP Client Image: Server Graphical Management Tools and Infrastructur Image: Server Graphical Management Tools and Infrastructur Image: Server Graphical Shell (Installed) Image: Server Graphical Server Gra	Desktop Experience includes features of Windows 8.1, including Windows Search. Windows Search lets you search your device and the Internet from one place. To learn more about Desktop Experience, including how to disable web results from Windows Search, read http:// go.microsoft.com/fwlink/? Linkld=390729

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.

Name	Version	Action
.NET Framework 4.5.2	Required: 4.5.20000 or higher	Skip
✓ SQL Server 2008 R2 Express SP2	Required: any. Found: nothing.	Download

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.

5	SQL Server 2	008 R2 Setup	>
Feature Selection Select the Express with Advance	d Services features to install.		
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Features: ☐ Database Engine Service ☐ Outabase Engine Service ☐ SOL Server Replication Shared Features ☐ Management Tools - Ba ☐ SOL Client Connectivity Redistributable Features	s on sie SDK	Description: Server features are instance-aware and have their own registry hives. They support multiple instances on a computer.
	Select All Unselect All Shared feature directory: Shared feature directory (x86):	D:\Program Files\Microsoft \$ D{\Program Files (x86)\Micro	SQL Server\
		< Back Next	t > Cancel Help

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.

5	SQL S	Server 200 <mark>8</mark> R	2 Setup		_ _ ×
Instance Configuration Specify the name and instance Setup Support Rules	D for the instance of SQL S • Default instance	erver. Instance II) becomes part of th	e installation path.	
Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress	O Named instance:	MSSQLSERVE	iR		
	Instance ID: Instance root directory SQL Server directory: Installed instances:	MSSQLSERVE C:\Program I C:\Program F	R iiles\Microsoft SQL S iiles\Microsoft SQL S	ierver\ ierver\MSSQL10_50.M	ISSQLSERVER
	Instance Name	Instance ID	Features	Edition	Version
			< Back	Next > Car	icel Help

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.

Database Engine Config	auration	
Database Engine Config Specify Database Engine authen Setup Support Rules Feature Selection Installation Rules Installation Rules Installation Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Juration tication security mode, administrators and data directories. Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Authentication Mode Windows authentication mode Mixed Mode (SQL Server authentication and Windows authenticati Specify the password for the SQL Server system administrator (sa) acc Enter password:	Engine.
	Confirm password: •••••••• Specify SQL Server administrators	SQL Server administrators have unrestricted access to the Database Engine.
	< Back Next >	Cancel Help

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

閿	ipConfigure ESM 6.0 Setup
Syste Sel	em Components lect the components to be installed
	Full Install Image: Server Image: Archive Server Image: Server
Advance	d Installer < Back Next > Cancel

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.

谩	ipConfigure ESM 6.0 Setup	x
SQL Server Configure SQL Cor	nection	
Database Server:	(local)	
Port:	1433	
	✓ Trusted Connection.	
SQL Username:		
SQL Password:		
Advanced Installer ——		_
	< Back Next > Cancel	

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.

uthentication	
Values required to configure authors	entication for ipConfigure ESM 6.0
O Internal Authentication	
Active Directory	
Active Directory Settings	
Fully Qualified Domain Name:	
Active Directory Group for ESM Sy	ystem Admins:
The Active Directory group needs administer the system needs to be	s to exist and the initial User ID that will be used to e a member of this group.
nced Installer	
	< Back Next > Cano

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.

₿	ipConfigure ESM 6.0 Setup
ESM System Prope 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.

Į.	ipConfigure ESM 6.0 Setup
SMTP settings SMTP settings are re	equired if you wish to receive email notifications
SMTP Server:	Port: 25 Use SSL
SMTP User Name:	
SMTP Password:	
SMTP From:	
Ivanced Installer	
	< Back Next > Cancel

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

This is 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.

閿	ipConfigure ESM 6.0 Setup	
Select F This is	the folder where ipConfigure ESM 6.0 will be installed.	Set t user
Select the Archive V To install "Browse"	e path where ipConfigure ESM 6.0 will store the User Interface files and store i'deo. Typically should be on the largest attached volume. in this folder, click "Next". To install to a different folder, enter it below or click ,	This avail
Eolder: C:\ipCor	nfigure\ Browse	Click folde next
		Whe Finis
Advanced Ir	staller < Back Next > Cancel	

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



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.

IPConfigure ESM v6.0 Installation Manual

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