FORTRA

Event Manager
6.9
System Requirements

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Overview

This document can be used to determine the system requirements needed for various sizes of installation of Event Manager.

To use Event Manager at its full potential, an installation of HelpSystems Insite is recommended. If Insite is installed, the Core engine server requirements should be increased taking into account the Insite requirements.

Generic Requirements

Requirements

If the installation server does not have either access to the installation of Windows features, or an internet connection, the following Windows features should be enabled prior to starting the installation of Event Manager.

SERVER ROLES

- Web Server (IIS)
    - Web Server Role
        - Common HTTP features
        - Default Document
    - Security
        - Request Filtering
    - Application Development
        - .NET Extensibility 4.5
        - ASP .NET 4.5
        - ISAPI Extensions
        - ISAPI Filters

FEATURES

- .NET Framework 3.5 Features

- .NET Framework 4.5 Features

  - WCF Services

    - HTTP Activation

    - TCP Port Sharing

- Windows Process Activation Service

  - Process Model

  - Configuration APIs

> **IMPORTANT:** If you are installing multiple monitoring nodes or the monitoring node is on a separate system, the bandwidth requirements are 0.5 Mbit/s per 1,000.000 of messages a day. It is recommended to allow 1.5 Kbit/s per asset. For example: 1000 assets would need 1.5 Mbit/s.

Follow this link to access the Database Requirements Calculator.

Production Environment - Small Project

- Up to 50 IT Infrastructure monitored assets in Event Manager.

Option 1 - One server for Event Manager and the databases engine

One server only for the Event Manager software and the databases engine is required as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> **NOTE:** All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 8 cores ☐ RAM: 16 GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**) ☐ Database: 500GBs ☐ Databases Disk: Please refer to the document:	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher * ☐ SQL Server 2016 Standard edition or Higher (SQL Full-text Filter service is required for Event Manager Installations)	☐ Monitoring Node ☐ Core Engine Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event Manager Config (AccessServer, Orchestrator and Reports)

Server	Hardware	3rd Party Software	Event Manager Software
			☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_ SmartConsole_Hist ☐ Event Manager PMDB

Option 2 - One server for Event Manager and one server for the databases engine

One dedicated Windows server and a separate SQL Server engine are required to run the Event Manager software as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> **NOTE:** All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Monitoring Node ☐ Core Engine

Server	Hardware	3rd Party Software	Event Manager Software
Database Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**SQL Server should be installed here!**) ☐ Database: 500GBs ☐ Databases Disk: (**Databases should be installed here!**) Please refer to the document Event Manager Database Requirements Calculator	☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event Manager Config (AccessServer, Orchestrator and Reports) ☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_

Server	Hardware	3rd Party Software	Event Manager Software
			SmartConsole_Hist ☐ Event Manager_ PMDB

Production Environment - Medium Project

- Up to 1000 monitored assets in Event Manager.

Option 1 - One server for Event Manager and the databases engine

One server only for the Event Manager software and the databases engine is required as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> **NOTE:** All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 12 cores ☐ RAM: 24GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher* ☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	☐ Monitoring Node ☐ Core Engine Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event ManagerConfig (AccessServer, Orchestrator and Reports)

Server	Hardware	3rd Party Software	Event Manager Software
			☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_ SmartConsole_Hist ☐ Event Manager_ PMDB

Option 2 - One server for Event Manager and one server for the databases engine

One dedicated Windows server and a separate SQL Server engine are required to run the Event Manager software as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> NOTE: All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 12 cores ☐ RAM: 24GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Monitoring Node ☐ Core Engine

Server	Hardware	3rd Party Software	Event Manager Software
Database Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**SQL Server should be installed here!**) ☐ Databases Disk: (**Databases should be installed here!**) Please refer to the document: Event Manager Database Requirements Calculator	☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event ManagerConfig (AccessServer, Orchestrator and Reports) ☐ HS_APPSEC_ SmartConsole

Server	Hardware	3rd Party Software	Event Manager Software
			☐ HS_APPSEC_ SmartConsole_Hist ☐ Event Manager_ PMDB

Production Environment - Big Project

- More than 1000 monitored assets in Event Manager.

One server for Event Manager and one server for the databases engine.

One dedicated Windows server and a separate SQL Server engine are required to run the Event Manager software as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> NOTE: All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 16 cores ☐ RAM: 32GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Monitoring Node ☐ Core Engine

Server	Hardware	3rd Party Software	Event Manager Software
Database Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**SQL Server should be installed here!**) ☐ Databases Disk: (**Databases should be installed here!**) Please refer to the document:	☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event Manager Config (AccessServer, Orchestrator and Reports) ☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_

Server	Hardware	3rd Party Software	Event Manager Software
			SmartConsole_Hist ☐ Event Manager_ PMDB

> **IMPORTANT:** A new monitoring node is required if you are receiving more than 2 million messages per hour from Syslog. This applies if the messages are not held in the database. If they are held in the database a limit of 500,000 messages applies.

> **IMPORTANT:** If you are installing multiple monitoring nodes or the monitoring node is on a separate system, the bandwidth requirements are 0.5 Mbit/s per 1,000.000 of messages a day. It is recommended to allow 1.5 Kbit/s per asset. For example: 1000 assets would need 1.5 Mbit/s.

Production Environment- Big Project Distributed Installation

- More than 1000 monitored assets in Event Manager.

One server for Event Manager and one server for the databases engine.

One dedicated Windows server and a separate SQL Server engine are required to run the Event Manager software as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> NOTE: All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Core Engine
Collection Node	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Monitoring Node As many monitoring nodes as required can be installed. The limitation is 4000 assets per monitoring node comprised of up to 1000 assets of the same type (Linux, Windows, and so on)

Server	Hardware	3rd Party Software	Event Manager Software
Database Server	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**SQL Server should be installed here!**) ☐ Databases Disk: Please refer to the document: (**Databases should be installed here!**)	☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event Manager Config (AccessServer, Orchestrator and Reports) ☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_

Server	Hardware	3rd Party Software	Event Manager Software
			SmartConsole_Hist ☐ Event Manager_ PMDB

> **IMPORTANT:** A new monitoring node is required if you are receiving more than 2 million messages per hour from Syslog. This applies if the messages are not held in the database. If they are held in the database a limit of 500,000 messages applies.

> **IMPORTANT:** If you are installing multiple monitoring nodes or the monitoring node is on a separate system, the bandwidth requirements are 0.5 Mbit/s per 1,000.000 of messages a day. It is recommended to allow 1.5 Kbit/s per asset. For example: 1000 assets would need 1.5 Mbit/s.

Production Environment- Very Big Project Distributed Installation

- From 10000 to 20000 monitored assets in Event Manager.

One server for Event Manager and one server for the databases engine.

One dedicated Windows server and a separate SQL Server engine are required to run the Event Manager software as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications. The disk space needed is allocated by the calculation found in the Event Manager Database Requirements Calculator for all required Event Manager databases.

> NOTE: All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 16 cores ☐ RAM: 32GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**)	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Core Engine
Collection Node	☐ CPU: 8 cores ☐ RAM: 16GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher*	☐ Monitoring Node As many monitoring nodes as required can be installed. The limitation is 4000 assets per monitoring node comprised of up to 1000 assets of the same type (Linux, Windows, and so on)

Server	Hardware	3rd Party Software	Event Manager Software
Database Server	☐ CPU: 16 cores ☐ RAM: 32GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**SQL Server should be installed here!**) ☐ Databases Disk: Please refer to the document: (**Databases should be installed here!**)	☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event ManagerConfig (AccessServer, Orchestrator and Reports) ☐ HS_APPSEC_ SmartConsole

Server	Hardware	3rd Party Software	Event Manager Software
			☐ HS_APPSEC_ SmartConsole_Hist ☐ Event Manager_ PMDB

> **IMPORTANT:** A new monitoring node is required if you are receiving more than 2 million messages per hour from Syslog. This applies if the messages are not held in the database. If they are held in the database a limit of 500,000 messages applies.

> **IMPORTANT:** If you are installing multiple monitoring nodes or the monitoring node is on a separate system, the bandwidth requirements are 0.5 Mbit/s per 1,000.000 of messages a day. It is recommended to allow 1.5 Kbit/s per asset. For example: 1000 assets would need 1.5 Mbit/s.

Test Environment

- One server for Event Manager and the databases engine.

- One server only for the Event Manager software and the databases engine is required as shown in the following table.

The SQL Server engine can be shared on a pool mode with other applications, as long as 100 GB of disk space are allocated for all required Event Manager databases.

All servers should be granted with internet connection so they can be accessed remotely by Fortra technical teams through a WebEx, VPN connection, or any equivalent technology.

Server	Hardware	3rd Party Software	Event Manager Software
Monitoring Server	☐ CPU: 8 cores ☐ RAM: 16 GBs ☐ System Disk: 100GBs ☐ Data Disk: 100GBs (**the product should be installed here!**) ☐ Databases Disk: Please refer to the document:	☐ Microsoft Windows 2016 R2 Server Standard Edition or higher* ☐ SQL Server 2016 Standard edition or higher (SQL Full-text Filter service is required for Event Manager Installations)	☐ Monitoring Node ☐ Core Engine Databases needed (automatically created at the time of installation): ☐ HS_APPSEC_ Events ☐ HS_APPSEC_ Events_Hist ☐ HS_APPSEC_ Events_Arch ☐ HS_APPSEC_ Security ☐ HS_APPSEC_ Security_Hist ☐ HS_APPSEC_ Security_Arch ☐ Event Manager Config (AccessServer, Orchestrator and

Server	Hardware	3rd Party Software	Event Manager Software
			Reports) ☐ HS_APPSEC_ SmartConsole ☐ HS_APPSEC_ SmartConsole_Hist ☐ Event Manager_ PMDB

Event Manager Module

Please make sure that all the following prerequisites are in place before you begin the installation process on each of the Event Manager Servers.

Event Manager Core Engine

User Requirements

OS	Prerequisites	Check
Windows	Administration rights on the servers where you want to install Event Manager	☐
IBM i	If using VISUAL Message Center for iSeries you will need a QSECOFR user for the installation, and a QPGMR user for updating the solution. Please see the VMC (iSeries Modules) - Installation Guide for further details.	☐

Licensing

Before requesting a Event Manager license please check how many are required for the task in hand.

After your purchase, you will receive an email from Fortra with your license code attached.

To license the software you have two options:

- Enter the license key during the installation process
- After the installation process, you can enter the license key through the Event Manager website.