Overview

ClusterSeven Enterprise Spreadsheet Management (ESM) software monitors spreadsheets, verifies spreadsheet integrity and alerts users to unauthorised changes. It also integrates a discovery capability which allows you to efficiently find and assess End User Developed Applications in your organisation. This document outlines product installation considerations. For further information, please see the product Installation Guide.

Hardware Requirements

ClusterSeven ESM is an enterprise class system with a multi-machine architecture. The following guidelines provide an overview of the typical hardware requirements, but the hardware specification required will depend on the volume of spreadsheets to be monitored. Please consult ClusterSeven to assist with detailed hardware planning.

– ClusterSeven ESM Server is designed to be installed on one or more server class machines.
– The ClusterSeven database is designed to be installed on a server class database server.
– The ClusterSeven ESM Client is designed to be installed on multiple workstation class machines.

Supported Platforms

ESM Server - Operating Systems

Microsoft Windows Server 2019 (with Desktop Experience)
– Standard, Enterprise or Datacenter Edition

Supported ESM Client and ESM Management Console Operating Systems

Microsoft Windows 8.1, 10
– 64 bit only
– Professional or Enterprise Edition

Database Servers

Microsoft SQL Server, 2014 (SP3 minimum), 2016 (SP2 minimum), 2017 (CU15+GDR minimum) or 2019 (GDR1 minimum)
– Standard or Enterprise Edition

– 64-bit

ClusterSeven recommends using the Enterprise edition of SQL Server 2016 SP2 running on 64-bit Windows Server 2016. This recommendation is based on lifecycle support from Microsoft and scalability.

Monitoring Support

Supported File Repositories:

– Standard Microsoft Windows CIFS Shares
– Microsoft Windows Distributed File System (DFS)
– NetApps Filers (via CIFS compatible shares)
– EMC Storage Systems (via CIFS compatible shares)
– Microsoft SharePoint 2016, 2019
– Microsoft SharePoint Online (2016 or later)
– Additional document repositories can be supported via the ESM plug-in architecture.

Supported Excel File Versions

– Microsoft Excel 2019, 2016, 2013, 2010, 2007, 2003, 2002 (XP), 2000, 97

Supported Excel File Types

– xls, xla, xlt
– xlsx, xlsm, xltx, xltm, xlam, xlsb

NOTE: Excel 2013/2016/2019 strict format is not supported.

Software Pre-Requisites

ESM Client and ESM Management Console Software Pre-Requisites

– Microsoft .Net Framework version 4.7.2
– **Optional:** Microsoft Excel (2013, 2016, 2019) - Functionality is restricted if this pre-requisite is not met.

ESM Web-client Pre-Requisites

– Mozilla Firefox
– Google Chrome
– Microsoft Edge
– ESM Risk Checker requires Microsoft Excel 2013, Excel 2016 or Excel 2019 to view results.

ESM Application Server Software Pre-Requisites

– Microsoft .Net Framework version 3.5
– Microsoft .Net Framework version 4.7.2
– SQL XML 4 SP1
– Microsoft SQL Server System 2012 CLR Types
– Microsoft Report Viewer 2012
– Microsoft Excel 2019 (64-bit) with .Net Programmability and VBA installed
– Microsoft Internet Information Services (IIS) 7 or higher with ASP.Net 4.6
– URL Rewrite 2.0 for IIS

Security

Authentication Mechanisms

Microsoft Active Directory

Firewall

Firewalls must be configured to allow TCP traffic for the ESM Web Client. The default configuration installs the web client on port 9876 – this can be customised as required.
SSL is strongly recommended.

Security Requirements

– Installation of ClusterSeven ESM requires local administrator privileges.
– Operation of ClusterSeven ESM requires a domain user account that is a local user on the application server(s) and has privileges to the File Servers on which monitored spreadsheets reside. Please see the full product documentation for details on the specific privileges required. (Functionality may be restricted if sufficient privileges are not granted to the service account).

Remote Access Platforms

Microsoft Remote Desktop Services (RDS)
Citrix XenApp
– Please consult ClusterSeven for details on supported versions.

Virtualisation Platforms

ClusterSeven supports virtualisation of the ESM application server on virtualisation platforms verified by the Windows Server Virtualisation Validation Program, with the condition that issues must be reproducible in a physical environment to qualify for support. Please note that ClusterSeven only provides support for ClusterSeven products and cannot provide support for other companies' solutions.