

Implementation requirements

09.09.2021

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Requirements

Client stations

Please make sure that the client stations meet the recommended requirements listed below:

Hardware requirements	Processor: 2,4 GHz 32-bit (x86) or 64-bit(x64) dual-core processor RAM: 2 GB Hard drive requirements: 2 GB of free space
Operating system	Windows 7, 8.1, 10 (x86 or x64), Windows Server 2012+, MAC OS 10.10+

Server

Please make sure that your server meets the recommended* requirements listed below.

Additional information: <https://www.safetica.com/products/features-overview>

Depending on the number of endpoints Safetica Management Service might be installed on the same server as SQL database (first table), or they might be on different servers (second table).

Same server for Safetica Management Service and SQL database:

Seats	Up to 200	Up to 500	Up to 2 000
Processor	Quad-core	8-core	8-core
RAM	8 GB	16 GB	32 GB
Hard drive**	100 GB free disk space	250 GB free disk space	500 GB free disk space
Operating system	Windows Server 2012 or newer with IIS 7.5 and .NET 4.5.2 or newer		
Database type and version	MS SQL Server 2012 or newer (including MS SQL Express editions); MS SQL Server 2019 recommended / AzureSQL S1 or S2	MS SQL Server 2012 or newer; MS SQL Server 2019 recommended / AzureSQL S2 or S3	MS SQL Server 2012 or newer; MS SQL Server 2019 recommended / AzureSQL S4, S6 or P1

Two servers for Safetica Management Service and SQL database:

Seats	Up to 5 000	Up to 10 000
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	Server for SMS	Server for SQL database	Server for SMS	Server for SQL database
Processor	8-core	8-core	8-core	8-core
RAM	16 GB	32 GB	32 GB	32+ GB
Hard drive**	100 GB free space (SSD)	1 TB+ free space (SSD or 15k+ HDD in RAID configuration)	100 GB free space (SSD)	1 TB+ free space (SSD or 15k+ HDD in RAID configuration)
Operating system	Windows Server 2012 or newer with IIS 7.5 and .NET 4.5.2 or newer			
Database type and version	MS SQL Server 2019 recommended / AzureSQL DTU (P4), vCore (8 cores)		MS SQL Server 2019 recommended / AzureSQL DTU (P6), vCore (8 cores)	

* In order to ensure smooth performance and best experience, we recommend prior consultation of the hardware requirements with our technical consultant.

** Hard Drive requirements take into consideration required space for database and backups. Free space on disk with transaction protocol before update to a newer version should be at least five times the current size of database.

Other requirements

Please prepare the following environment for Proof of Concept implementation:

Access	Please arrange the local or remote access for all client stations chosen for Proof of Concept implementation.
SQL database	<p>Please prepare SQL database in supported version (see above). There is also an option to use MS SQL Express which is part of Safetica Installer.</p> <p>If you create SQL database manually (either MS SQL or Azure SQL), it must have “_data” suffix (for example safetica_data).</p> <p>Please install .NET framework 4.5.2 on server station.</p>
Network	<p>Stations chosen for installation of Safetica Endpoint Client must be able to connect to the server with Safetica Management Service and to the database server.</p> <p>Server needs to have firewall exceptions on following ports: 1433 (SMS – DB, outbound), 4438 (SMS – SEC, inbound), 4441 (SMS – SMC, inbound) and 4442 (update, inbound).</p> <p>E-mail account for sending of automated alerts. (optional)</p> <p>Structure in Microsoft® Active Directory® (preferably without duplicities among groups).</p>
Client stations	<p>Please arrange the possibility to restart client stations.</p> <p>Also, please arrange the possibility to temporarily deactivate the antivirus on client stations.</p> <p>Please install .NET framework 4.7.2 or higher on client stations.</p>
Email client	Monitoring of email communication using StartTLS is not supported.

Environment

Security software	Please fill in security software being used in your organization (antivirus, firewall, ...)
Other software	Please fill in other software being used on client stations

Customer cooperation

To ensure that every step goes as smoothly as possible there is a minimal level of customer cooperation required. It includes:

- List of client stations chosen for Proof of Concept implementation (20 – 30; not business critical; heterogeneous group)
- Output of Safetica Support Tool from client station of every type (hardware configuration and software equipment)
- Remote access to the station where Safetica Management Service will be installed
- Remote access to the station where Safetica Management Console will be installed (possibly same station where Safetica Management Service is installed)
- Means of local or remote installation of Safetica Agent component (e.g. Group Policy Microsoft® Active Directory®)
- Creating an exception for Safetica processes in antivirus, firewall and VPN settings
- Remote access to station where Safetica Management Console is installed for correct data collection check on week basis
- Tool for database administration (e.g. SQL Server Management Studio in case of MS SQL Server being used)
- On demand cooperation of every person involved in realisation

Note: Either ISL Online, Microsoft Remote Desktop or Team Viewer 11 can be used to provide remote access.