

SMS Technical Memorandum

VERSION: v7.1.0

TOPIC: Minimum System Requirements

Single User / Client Workstation

- Processor: Intel Core i5
- Memory: 8 Gb RAM
- Disk Space: 120 Gb
- USB Port for SMS Distribution Media
- 100/1000 Base-T network card (NIC) - *must be active for SMS licensing*

*SMS does NOT support hosting a CIM or the SP on a multi-homed system (more than one active NIC).
CIM – SP – Controller communications may be unpredictable on multi-homed systems.
If NIC redundancy is required. Vanderbilt recommends teaming multiple NICs in the same system.*

- Mouse, Keyboard & Monitor
- Operating System:
 - 64-bit Windows 8 Professional (**except Home Edition**)
 - 64-bit Windows 8.1 Professional (**except Home Edition**)
 - 64-bit Windows 10 Professional (**except Home Edition**)
 - MS OLE DB Driver for SQL v18.3 (*will be installed if necessary*)
 - MS ODBC Driver for SQL v17 (*will be installed if necessary*)
 - 32-bit System DSN for ODBC Driver (*will be created*)
 - .NET v4.8 (*will be installed if necessary*)
- Database Engine:
 - SQL Server 2012 Express SP2 or newer
 - SQL Server 2014 Express SP1 or newer
 - SQL Server 2016 Express SP1 or newer
 - SQL Server 2017 Express
 - SQL Server 2019 Express CU10 or newer

SMS does NOT support installation in a SQL cluster environment.

The SMS Install Media Includes 64-bit SQL 2019 Express on Windows 10+ (SQL Express 2017 otherwise)

Multiuser Server (SQL, CIM, SP)

- Processor: Intel Core i7 or Xeon
- Memory: 8 Gb RAM
- Disk Space: 500 Gb
- USB Port for SMS Distribution Media
- 100/1000 Base-T network card (NIC) - *must be active for SMS licensing*

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CIM – SP – Controller communications may be unpredictable on multi-homed systems.
If NIC redundancy is required. Vanderbilt recommends teaming multiple NICs in the same system.*

- Mouse, Keyboard & Monitor
- Operating System:
 - 64-bit Windows 8 Professional (**except Home Edition**)
 - 64-bit Windows 8.1 Professional (**except Home Edition**)
 - 64-bit Windows 10 Professional (**except Home Edition**)
 - 64-bit Windows 2012 Essentials, Standard or Datacenter
 - 64-bit Windows 2012 R2 Essentials, Standard or Datacenter
 - 64-bit Windows 2016 Essentials, Standard or Datacenter
 - 64-bit Windows 2019 Essentials, Standard or Datacenter
 - MS OLE DB Driver for SQL v18.3 (*will be installed if necessary*)
 - MS ODBC Driver for SQL v17 (*will be installed if necessary*)
 - 32-bit System DSN for ODBC Driver (*will be created*)
 - .NET v4.8 (*will be installed if necessary*)
- Database Engine:
 - SQL Server 2012 Standard or Enterprise SP2 or newer
 - SQL Server 2014 Standard or Enterprise SP1 or newer
 - SQL Server 2016 Standard or Enterprise SP1 or newer
 - SQL Server 2017 Standard or Enterprise
 - SQL Server 2019 Standard or Enterprise

SMS does NOT support installation in a SQL cluster environment.

ASSA ABLOY IP-Enabled WiFi or PoE Locks

- ASSA ABLOY Door Service Router (DSR) host meeting ASSA ABLOY current specs (12/19/2019)
 - Up to 128 Locks: 2 CPU Cores; 4 Gb RAM; 50 Gb HD
 - 64-bit Windows 7, Windows 10, Windows Server 2008 R2, 2012, 2016 or 2019
 - Up to 1,024 Locks: 4 CPU Cores; 8 Gb RAM; 75 Gb HD
 - 64-bit Windows Server 2008 R2, 2012, 2016 or 2019
 - Up to 2,048 Locks: 8 CPU Cores; 16 Gb RAM; 100 Gb HD
 - 64-bit Windows Server 2008 R2, 2012, 2016 or 2019

(SMS is certified for a maximum of 750 locks per DSR)

- ASSA ABLOY DSR v8.0.17 installed **on a stand-alone host from SMS**

Optional SMS Web / Guest Pass Web

- Multiuser Server Processor / Memory Specifications
- SMS Enterprise
- IIS Server v7.5 or newer **on a stand-alone host from SMS**
- .NET Framework 2.0
- .NET Framework 4.0 / 4.8
- Installation assistance available via paid Vanderbilt Technical Support
- **SMS Web v7.0.0 release expected approximately 2-months after SMS v7.0.0 release**
- **DNS Reverse Lookup must be enabled across network to utilize SMS Web Portrait Monitor**

Virtual Server Support

- VMware ESX v4.1 through ESX v6.7
- Microsoft Hyper-V on Windows Server 2012 R2 or newer
- Guests Running an SMS Supported Operating System
- Guests Meeting the same Minimum Requirements defined above

The SMS license binds to the SP host system hardware properties

*The SP host system virtual guest must be configured for static NIC and hard drive properties.
SMS does NOT support vMotion or Live Migration for the SP host virtual system.*

SMS does NOT support installation in a Citrix or any terminal server environment.