

## SMS Technical Memorandum

**VERSION:** v7.2.0

**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*

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*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.*

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- Mouse, Keyboard & Monitor
- Operating System:
  - 64-bit Windows 8.1 Professional
  - 64-bit Windows 10 Professional
  - 64-bit Windows 11 Professional
  - 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 2014 Express SP1 or newer
  - SQL Server 2016 Express SP1 or newer
  - SQL Server 2017 Express
  - SQL Server 2019 Express CU10 or newer

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*SMS does NOT support installation in a SQL cluster environment.*

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

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## Multiuser Server (SQL, CIM, SP)

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- 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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*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.*

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- Mouse, Keyboard & Monitor
- Operating System:
  - 64-bit Windows 8.1 Professional
  - 64-bit Windows 10 Professional
  - 64-bit Windows 11 Professional
  - 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
  - 64-bit Windows 2022 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 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

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*SMS does NOT support installation in a SQL cluster environment.*

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## ASSA ABLOY IP-Enabled WiFi or PoE Locks

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- 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 v8.0.20 installed **on a stand-alone host from SMS**

## Optional SMS Web / Guest Pass Web

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- 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

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- 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.**