

Release Notes

Title: Vanderbilt Security Management System 7.1.0 Release

Date: December 2021

Superseded Version: v7.0.0

PREREQUISITES

Read and follow the instructions in this document while installing or upgrading Vanderbilt SMS Version 7.1.0. Failure to do so may result in software malfunction after installing Version 7.1.0.

Vanderbilt strongly recommends backing up the SMS database(s) before performing this upgrade. The Database Maintenance Utility (DatabaseMaintenance.exe) is accessible from the Bin folder and can be used to back up the database(s). If an error occurs during the upgrade, and no backup is available, all the data in the database(s) may be lost.

The SMS v7.1.0 upgrade is fully compatible with SMS version 6.2.0 and higher. Installations upgrading from a version lower than 6.2.0 should contact Vanderbilt Technical Support for assistance before performing the upgrade.

SMS Web compatible with SMS v7.x is expected to be released 4 – 6 weeks after SMS v7.1.0 release. Existing SMS Web installations will cease to function after upgrade to SMS v7.1.0.

Free disk space on the SMS PC / Server for an upgrade should be at least four times the total size of the SMS database(s). Please contact Vanderbilt Technical Support at techsupport@vanderbiltindustries.com for assistance determining the size of the SMS SQL database(s).

NOTICE

SMS v6.3.x and above require version specific licensing. A v7.1 license is required to upgrade to v7.1.x and the cost is included with the upgrade if licensed clients, licensed Guest Pass locations, licensable video cameras and licensable 3rd party devices have not changed.

This document outlines the major bug fixes, new modules, enhancements and features that are added to SMS Software v7.1.0. SMS v7.1.0 is designated to work with VRCNX-A / VSRC-A firmware v7.57A and VRCNX-M / VSRC-M firmware v7.14M. VSRC / VRCNX-R (legacy) controllers should be updated to v6.70V. SRCNX (legacy) controllers should be upgraded to firmware v6.58L. All SMS v7.1.0 features are not supported on legacy controllers. SMS v7.1.0 is designed to work with Authentic Mercury protocol controllers VMRC-1, VMRC-1L, VMRC-2, & VMRC-2L with firmware v1.29.x. While it is possible to utilize the SMS v7.1.0 software with lower firmware versions not all new features will be available. It is recommended that all controllers be updated to the latest firmware version available.

VANDERBILT SMS VERSION INSTALLATION REQUIREMENTS

OPERATING SYSTEM

Vanderbilt SMS v7.1.0 software is compatible with the following operating systems:

- Microsoft Windows 8 or 8.1 (*except Home edition*)
- Microsoft Windows 10 (*except Home edition*)
- Microsoft Windows Server 2012 or 2012 R2 Essentials, Standard or Datacenter Editions
- Microsoft Windows Server 2016 Essentials, Standard or Datacenter Editions
- Microsoft Windows Server 2019 Essentials, Standard or Datacenter Editions

*Windows 7 and Windows Server 2008 and 2008 R2 are not supported
32-bit Operating Systems are not supported*

SQL SERVER

Vanderbilt SMS v7.1.0 software supports the following versions of Microsoft SQL Server:

- SQL Server 2012: Express / Standard / Enterprise SP2 or above
- SQL Server 2014: Express / Standard / Enterprise SP1 or above
- SQL Server 2016: Express / Standard / Enterprise SP1 or above
- SQL Server 2017: Express / Standard / Enterprise
- SQL Server 2019: Express / Standard / Enterprise

The SMS Install Media Includes 64-bit SQL 2017 and 2019 (Win10 +) Express

UPGRADE

You may install Vanderbilt SMS v7.1.0 upgrade on any of the following SMS Versions:

- v6.2.x
- v6.3.x
- v6.4.x
- v6.5.x
- v7.0.x

WHAT'S NEW?

LICENSING

All SMS v7.1.x installations require a v7.1 Electronic License Key.

ELECTRONIC LICENSE KEY

- SMS requires an Electronic License Key
- **All v7.0.x and below Electronic License Keys must be replaced**
- The Electronic License is tied to a specific computer and cannot be transferred
- Easily upgradable when expanding SMS features such as concurrent client workstations in use, V-VMS cameras integrated, Guest Pass Locations, etc.
- New or upgraded v7.1.x installations will include a one-time use, unlimited SMS functionality, 5-day “Installation License”

THIRD PARTY DEVICE LICENSING

Vanderbilt SMS v6.1.0 and newer requires individual licensing for all non-Vanderbilt devices:

- The Electronic License Key contains the maximum number of 3rd party online devices which may be activated within SMS
- The Electronic License Key contains the maximum number of offline (local decision) devices which may be activated within SMS
- Device licensing is easily upgradeable

ENHANCEMENTS

ALL APPLICATIONS

- SMS Operators are now assigned the minimum SQL permissions required based on the SMS applications that their security group is assigned.
- Elevated permissions are required for the following applications/functions: System Security, System Manager, UDF Editor and Report Launcher – Restore Archives. See the respective chapters in the SMS Software Manual for the elevated permissions which will be assigned.
- Operators without access to the above will only be granted the db_datareader and db_datawriter roles for the SMS database.
- SMS Operators in Administrators security group are also granted the role db_owner for the SMS database.
- The SMSAdmin account is now assigned the minimum SQL permissions required instead of sysadmin: the SQL Server Roles dbcreator, bulkadmin and diskadmin; the SQL Server permission “Alter Any Login” and the Database Role db_owner for the SMS database.

SMSAdmin is used in the SMS context when no Operator is logged into SMS (i.e. start-up applications).

SYSTEM SECURITY

- Elevate or demote Operator permissions as required depending on the SMS applications available to the Security Group as Operator Security Group assignments are updated.
- Elevate or demote Operator permissions as required depending on the SMS applications available to the Security Group are updated/changed.
- Add Login Requirements option “Hide Single Signon Login checkbox”.

GATEKEEPER

- Pass “Hide Single Signon Login checkbox” Login Requirement to Launcher.
- Reject Single Signon with password if “Hide Single Signon Login checkbox” enabled.

LAUNCHER

- Hide Single Signon Login checkbox based on Login Requirements.
- Hide Change Password Login checkbox when Single Signon is enabled.

DATABASE MAINTENANCE

- Database Maintenance functions will now be performed by a new Database Maintenance Windows service running on the SP host instead of SQL Agent or Windows Task jobs to reduce required SQL permissions. The service account for the Windows Service requires the SMS database role db_owner and the server roles dbcreator and diskadmin.

FIXES

The following issues have been resolved in this version:

SYSTEM PROCESSOR (SP)

- The Operator recorded acknowledging an alarm could be incorrect for some auto-acknowledged alarms under certain circumstances.

SYSTEM SECURITY

- AD-Linked Operator could not be created unless the AD users primary UPN matched the login domain.

MERCURY CIM (MCIM)

- An exception can occur under certain circumstances if a peripheral device is moved with the parent controller offline.

DSR BRIDGE (ASSA ABLOY IP-ENABLED LOCKS)

- Optimize downloading of SMS defined holidays to prevent lock memory overflow.

UPGRADES

- SMS database upgrades can fail in some circumstances on systems that were originally installed using SMS v5.1.0 where ANSI_NULLS was not enabled for some data tables.

VANDERBILT PRIVACY POLICY

SMS does not transmit any data back to Vanderbilt. Any personal data collected within SMS is managed and used exclusively by the end-user of SMS entirely on customer owned equipment. Vanderbilt does not collect, manage or sell personal data. Please visit the Vanderbilt website at <https://usa.vanderbiltindustries.com/legal> for more information on our privacy policy.