

SMS Technical Bulletin

VERSION: 6.4.0 and Newer
TOPIC: Electronic License
ISSUE: Installation Procedures

Introduction

*SMS v6.4 Introduces a new electronic license format and licensing process.
The v6.4 Licenses are incompatible with previous electronic licenses.*

SMS v5.3.9 and earlier used a physical USB Key in order to enable specific SMS options on any given computer. In order for the computer to run SMS the USB Key had to be physically inserted in that computer. The process described in this document allows for similar SMS functionality without the physical USB Key, which is no longer supported as of SMS v6.1.0.

NOTE: SMS version 6.0.0 or above requires the use of an Electronic License Key.
SMS v6.1.0 introduced a new internal format for the Electronic License Key to enforce Device Licensing.

SMS v6.3 and newer require that the SMS Electronic License Key version matches the SMS version.

Effective with v6.4, a new one-time use 5-day "Installation License" with unlimited SMS features will be provided on installation or upgrade to SMS v6.4 or newer.

Overview

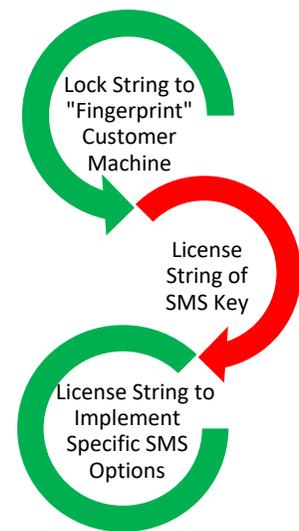
The new SMS Electronic License is a data structure stored in an encrypted file (SMS.lic) located in the SMS BIN folder on the System Processor (SP) host computer. The single license file now also stores the "fingerprint" of the SP host computer which is verified each time the SP reads the license to prevent a license from being moved to a different computer.

The SMS SP will create the "Installation License" the first time the SP is started after a new v6.4 installation or upgrade to v6.4. The SP will collect specific hardware parameters from the SP host computer and store this "fingerprint" into the SMS.lic file to bind the license file to the SP host hardware. The "Installation License" is non-transferrable, and will expire 5-days after created. All SMS parameters (Clients, Online and Offline Devices, etc.) will be unlimited for the 5-day period.

The license is compatible with VMware and Hyper-V virtual environments.

In order to create an Electronic License Key:

- 1 Install or upgrade to SMS v6.4.
- 2 Reboot as instructed or start the System Processor service.
- 3 A one-time use 5-day "Installation License" will be created.
- 4 The SP host computer "fingerprint" will be stored in the SMS.lic file.



Obtaining the Software Key

- 1 It is no longer necessary to manually create a Locking Code. The SP host computer “fingerprint” is automatically generated on initial SP Service startup and will be stored in the SMS license file (SMS.lic).
- 2 Create a Device Inventory Report:

*If Upgrading to SMS v6.4, the Device Inventory Report must be run **prior to upgrading**.*

Navigate to the \Utilities\ElectronicLicenseUtility\ folder on the SMS v6.4 distribution media.

- a) Copy the DeviceInventoryTool.exe file to the SP host computer.
- b) Double-click on the DeviceInventoryTool.exe icon to run the Device Inventory Tool

Device Inventory Tool [Version 6.4.0]

Please provide the following information. When complete, click the "Retrieve Inventory" button. To save your inventory report, click the "Report (Save)" button below. Report Date: 2017/03/27

Dealer Name: Vanderbilt Industries Database Name: 10.10.83.1\SMS
 Client Name: Engineering System Processor: H1WINDOWS10
 Client Location: Parsippany, NJ

System Information:
 Max. Client Count: 16 Max. Guest Pass Count: 15 Max. Online Device Count: 13 Max. Offline Device Count: 12 Max. Video Camera Count: 14
 SMS Version: 6.4.0 SMS License Version: 6.4.0 SMS Level: Enterprise SMS API Enabled: Yes Customer ID: 1

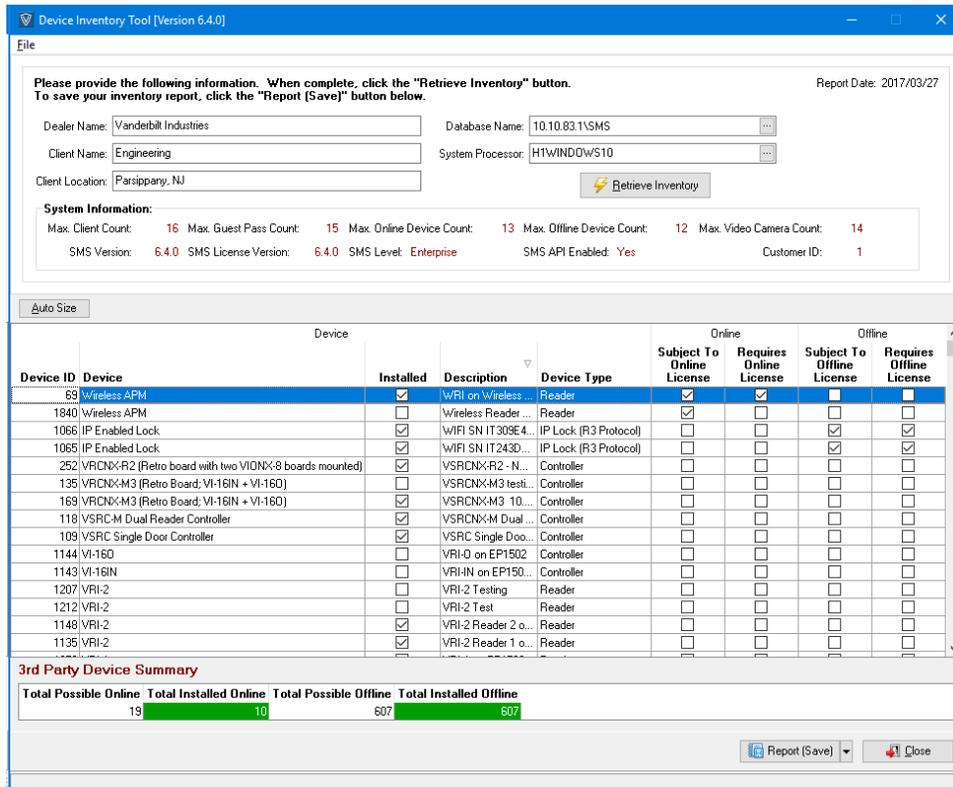
Device ID	Device	Installed	Description	Device Type	Online		Offline	
					Subject To Online License	Requires Online License	Subject To Offline License	Requires Offline License
<No data to display>								

3rd Party Device Summary

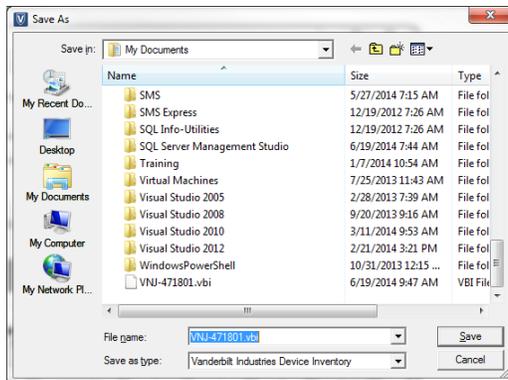
Total Possible Online	Total Installed Online	Total Possible Offline	Total Installed Offline
<No data to display>			

Report (Save) Close

- c) The existing SMS database and System Processor hosts should be populated. Please enter or select the appropriate host systems if not.
- d) Enter the Dealer Name, Client Name and Client Location.
- e) Click the “Retrieve Inventory” button to generate a report listing all currently defined devices in the system. Details of each device will be indicated including if the device is “installed”.
- f) A summary beneath the device detail grid will indicate the total online and offline (local decision) devices in the system indicating which are “installed”. Device Licenses are only required for “installed” devices.



g) Click the “Report (Save)” button. This button also allows you to print a copy for your records if desired.



h) Provide a name for the file and note the saved location. The saved file extension will be “.vbi”.

i) Close the Device Inventory Tool.

- 3 Send a copy of the SMS.lic file from the BIN folder on the SP host computer and the Device Inventory Report to SMS Electronic License Processing at SMSELicense@VanderbiltIndustries.com. In order to expedite the SMS Electronic License process, include either the Vanderbilt Sales Order Number or your PO Number and the End User Name with the files.
- 4 A replacement SMS.lic License File matching the original file “fingerprint” and enabling the specified SMS features and installed 3rd party devices will be prepared and sent back for installation. **The license will not be transferable to another computer.**

*The License will be bound to certain unique hardware properties of the SP host system.
Changes to NIC or hard drive properties may render the license invalid, requiring a replacement license.*

Installing the License File

Once you receive the License File (SMS.lic) from SMS Electronic License Processing, it must be installed. Follow the instructions below to install the License File.

Vanderbilt may rename the license file for ease of license file management.

*The license file **MUST BE RENAMED** to “SMS.lic” or SMS will Not read the license.*

- 1 Access the SMS SP host computer
- 2 Copy the provided SMS.lic file to the SMS BIN folder, overwriting the 5-day “Installation License” file.
- 3 Restart the SP Service in order to force SMS to use the update license immediately. Otherwise, the updated license should take affect within 15-minutes.
- 4 Verify the License changes using the SMS View SP Status application.

Updating an Existing License

If additional SMS clients, Guest Pass Locations, 3rd party online devices, offline devices, V-VMS Cameras, SMS API functionality or an SMS upgrade are required after the initial Electronic License installation, the license must be updated. Additionally, if the hardware component “fingerprint” of the SP host changes, a new license will be required.

In order to update an existing SMS Electronic License, provide a copy of the current license file (SMS.lic) from the SP host to SMS Electronic Licensing along with purchase information for the requested changes. A new License File (SMS.lic) with the updated options will be generated by SMS Electronic License Processing and can be installed as described above.

License changes can be verified using the SMS View SP Status application.