



## Security Management System Release Notes

Version 5.5

To ensure that you have the latest versions of product documentation, visit the [Online Help Center](#).

- If you are upgrading from an earlier version, refer to the release notes of any interim releases for additional enhancements.
- If your SMS system is operating in High Availability (HA) mode, you must break HA and upgrade each SMS independently before re-establishing your SMS HA cluster.
- SMS v5.5 upgrades are only supported from an SMS installed with SMS v5.3.0 or later. Attempts to upgrade from an older release will return an error.
- The time required to upgrade will vary based on the version from which you are upgrading and the quantity of data to migrate. [Learn more](#).

## Product version compatibility

For TPS and vTPS managed devices, your SMS must have the same or later version of the TOS that the managed device has. For example:

- **Correct:** SMS v5.5 managing TPS v5.5
- **Incorrect:** SMS v5.3.0 managing TPS v5.5

Use SMS v5.0.1 Patch 2 and later for managing IPS devices running TOS v3.9.6 and earlier.

Use SMS v4.4 or later to manage Identity Agent v1.0.0.

**Note:** As a best practice, be sure to update the SMS before upgrading the device TOS.

## Software updates and migration

You cannot upgrade any SMS or vSMS from a version that is no longer supported. [Learn more](#) about which versions are no longer supported.

- Upgrading SMS on Gen6 hardware is not supported. Learn more in [Product Bulletin 1041](#). Gen6 is a hardware platform that shows as system model SMS H1 in the SMS CLI. To determine your system model, run the `get sys.model` command from the SMS CLI:

```
smsdev SMS=> get sys.model  
System model (sys.model) = SMS H1
```

Attempting to upgrade to this release on Gen6 hardware will return an error.

- You must upgrade the SMS from SMS v5.3.0 or later. If you are upgrading from a release earlier than v5.3.0, you must first upgrade to SMS v5.3.0, log in to the SMS to activate a Digital Vaccine, and then upgrade to v5.5. [Learn more](#).
- If your SMS system is operating in High Availability (HA) mode, you must break HA and upgrade each SMS independently before re-establishing your SMS HA cluster.

The estimated times noted in the following table apply to users upgrading from SMS v5.4.0 and later. You can monitor your upgrade status from the VGA console or virtual console.

Step	Task	Process	Estimated time	SMS status
1	Download upgrade package.	Manual	Varies <sup>1</sup>	Available
2	Install upgrade package.	Manual	10-15 minutes	Unavailable
3	Migrate data.	Automatic	30 to 90 minutes <sup>2</sup>	Unavailable

<sup>1</sup>) Network speed determines the time to download a 750+ GB file.

<sup>2</sup>) Depends on the amount of data to migrate. The SMS automatically reboots after step 2 and is not available for logins until step 3 has completed. **Do not reboot the SMS during this time.**

## Release contents

Description	Reference
<p>The network performance of SMB and TLS (non-decrypted) traffic has been improved.</p> <p>Contact support prior to removing manual traffic bypass actions to ensure that ongoing performance needs are met.</p>	TIP-50715
<p>Integrate your SMS server with Vision One to get the most security value out of your SMS deployment. This integration leverages Vision One's superior threat detection technology to help protect your network from suspicious objects, including known malicious or potentially malicious domains, IP addresses, or URLs. Learn more about integrating with Vision One in the <i>SMS User Guide</i>.</p>	TIP-63828
<p>Using the SMS web management console, you can use RESTful APIs to access SMS functionality (<b>Help &gt; Tools and Resources &gt; SMS REST API Online Help</b>).</p> <p>Using new APIs in this release, you can now export all enabled and disabled filters and corresponding CVEs for a profile to audit and assess if appropriate security controls are in place.</p> <p>Using new APIs in this release, you can now retrieve all user defined reputation entries.</p>	<p>TIP-64097</p> <p>TIP-62723</p> <p>TIP-52354</p>
<p>SMS administrators can now assign segments to groups when adding a new device, and add descriptions to segments and segment groups to capture the network configuration or describe the segments within the group. They can also provide extended descriptions up to 2048 characters for profiles to capture and audit profile changes.</p>	<p>TIP-59314</p> <p>TIP-56393</p> <p>TIP-56394</p> <p>TIP-57257</p>
<p>When using nested device groups, SMS administrators now have full path visibility for a device and can use the left hand navigation tree to locate a device.</p>	TIP-55001
<p>SMS now sends a notification when a device has not been associated with a license.</p> <p>You can also navigate to the Devices tab to identify those devices without a license, and view the current utilization of licensed devices to determine those nearing the limit.</p>	<p>TIP-46736</p> <p>TIP-35469</p>
<p>A user with operator role capabilities can now view:</p> <ul style="list-style-type: none"> <li>- secondary NTP server settings on the Device summary page</li> <li>- read-only device configurable settings</li> </ul>	<p>TIP-56395</p> <p>TIP-27659</p>
<p>A banner message is now displayed on an SMS that is configured for HA and is passive, indicating that console access is disabled.</p>	<p>TIP-63714</p> <p>TIP-31346</p>
<p>Additional SMBv3 support was added for exporting SMS backups, profiles, and reports.</p> <p>Reports now can be successfully exported to an SMB share containing subdirectories.</p>	<p>TIP-62429</p> <p>TIP-54956</p>

Disk partition sizes are now properly increased when the disk is dynamically expanded on a vSMS.	TIP-54547
An issue affecting 8x00TX platforms has been corrected in which application filters were not completely evaluated. This caused the defined action to not be taken or notifications to not be sent.	TIP-62730
The maximum number of active sessions for AD, RADIUS, and TACACS are now enforced. If you reach the maximum number of active sessions, your login will fail.	TIP-56667
An issue in which Filter Taxonomy Criteria was not populating has been corrected. Criteria re-population requires that you activate the Digital Vaccine and restart the SMS client.	TIP-63626
An issue causing filters with special characters to display incorrectly has been corrected.	TIP-49259
With v5.5, displaying charts with large amounts of historical data no longer takes several minutes; charts appear within seconds.	TIP-49359
Although the limit of 5 concurrent packet traces is enforced, new packet traces can now be started if no more than 4 packet traces are actively running. Previously, under certain conditions, when the total number of packet traces started since the device was booted reached 5, additional packet traces could not start until the device was rebooted, even if no packet traces were actively running.	TIP-63585
Intermittent backup failures resulting in a Mysql backup write error message no longer occur.	TIP-63031
When you change the <b>Device Port Stats</b> polling interval, SMS now calculates the proper value for the amount of data input or output to a segment.	TIP-59429
The SMS now uses Named IP addresses if a match is found when configuring Host IP Filters, SNMP Settings, Remote Syslog, Servers, Time Settings, and sFlow. This does not occur for newly managed devices.	TIP-56661
Device hostname is now included among the information that the SMS uploads to the TMC. This enables License Manager to identify devices by name.	TIP-65151 SEG-41243
Changing the Active Directory (AD) server password would sometimes reset the AD Group Mapping configuration as well. This issue has been fixed.	TIP-67232
Log file management was modified to prevent disk space utilization warnings for the OS file system.	TIP-67745 SEG-112054

## Known issues

Description	Reference
1G fiber module does not support auto-negotiation. SMS will currently report auto-negotiation as enabled; however, any changes from SMS, LSM, or CLI will not take effect.	TIP-66924
Attempts to upgrade from a release earlier than v5.3.0 result in an error message. If the error message is blank, check the SMS system log for the entire error message.	TIP-47930
Performing a backup and restore of the SMS database will not preserve Filter Performance Correlation data.	TIP-42709
SSL inspection cannot occur when web mode is enabled. By default, web mode is disabled.	TIP-64243
<p>The <b>Edit Bulk</b> action does not remove tag categories from user-provided Reputation entries. To remove tag categories from an entry, go to <b>Profiles &gt; Reputation Database &gt; Search Entries</b>, search for an entry, select entries in the search results, and click <b>Edit</b>.</p> <p>The search results display the first 10,000 entries. If you are modifying more than 10,000 entries, you must repeat this procedure. When searching for URL entries, the search results table will not automatically refresh. Click <b>Search</b> to refresh the table.</p>	TIP-37913
<p>Certain naming configurations could trigger a condition that causes profile distributions to fail.</p> <p>To prevent failures, make sure that the names of your profiles, segments, virtual segments, and certificates are less than 55 characters.</p>	TIP-45073 TIP-38808
<p>The SMS web management console shows the incorrect time zone only when set to GMT +/- 00:30 time zones.</p> <p>For the correct time, refer to the SMS Client console.</p>	TIP-33377
The SMS does not activate a Digital Vaccine package when it contains a significant number of malware tags for a filter.	TIP-33378
When you attempt to distribute too many TLS/SSL certificates to a device, the resulting error message incorrectly specifies CA certificates as the problem.	TIP-44753
When you remove a CA certificate used for authentication from the SMS Authentication CA certificate list—for example, when you delete the authentication configuration from the SMS—the CA certificate is also deleted from the device. If this same CA certificate was distributed to a device as part of the SSL server certificate chain, the device would have an SSL server with a missing CA certificate in its SSL certificate chain.	TIP-44645

## **Product support**

For assistance, contact the Technical Assistance Center (TAC).

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