



Security Management System Release Notes

Version 5.1.1

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

Important notes

- You can upgrade the SMS to v5.1.1 directly from SMS v4.4 or later. If you are upgrading from a release earlier than v4.4 you must first upgrade to SMS 4.4, log in to the SMS to activate a DV, and then upgrade to v5.1.1. For assistance with upgrades from older systems, contact the Technical Assistance Center (TAC).
- 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 time required to upgrade will vary based on the version from which you are upgrading and the quantity of data to migrate. [Learn more](#).
- End of support for NGFW products was announced on December 17, 2015. SMS management support and related bug fixes and patches for NGFW management will continue through the end of support period (January 31, 2019) for the NGFW hardware; however, this SMS release has removed support for NGFW management. SMS management support for NGFW will only occur on SMS 5.0.1 and earlier. When an SMS upgrades to 5.1.1 all NGFW devices that are managed on it become automatically unmanaged. If you attempt to re-manage them or add a new one, an error message returns.

Upgrade limitations

- Upgrading SMS on Gen6 hardware is not supported in this release. 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 result in an error.

- vSMS no longer allows upgrades to systems that do not meet the minimum disk space and memory requirements. To add disk space you must redeploy your vSMS, so ensure your system meets the requirements before installing or upgrading. To upgrade, first back up your vSMS, redeploy a 5.1.1 vSMS, and then restore your backup. Learn more in the [vSMS Getting Started Guide](#).

Product version compatibility

	SMS v5.1.x	SMS v5.0.x	SMS v4.6.0	SMS v4.5.0	SMS v4.4.0
TPS	TOS v5.1.x and earlier	TOS v5.0.x and earlier	TOS v4.2.0 and earlier	TOS v4.2.0 and earlier	TOS v4.1.0 and earlier
vTPS	TOS v5.1.x and earlier	TOS v5.0.x and earlier	TOS v4.2.0 and earlier	TOS v4.0.2	TOS v4.0.2
IPS	TOS v3.9.4 and earlier	TOS v3.8.4 and earlier			
Identity Agent	v1.0.0	v1.0.0	v1.0.0	v1.0.0	v1.0.0

Software updates and migration

The estimated times noted in this table apply to users upgrading from SMS v4.5 and later. Users upgrading to v5.1 directly from SMS v4.4.0 will require more time; refer to the Release Notes for your v4.4.x version.

Step	Task	Process	Estimated time	SMS status
1	Download upgrade package.	Manual	Varies ¹	Available
2	Install upgrade package.	Manual	2-10 minutes	Unavailable
3	Migrate data.	Automatic	30 to 90 minutes ²	Unavailable
4	Migrate report data.	Automatic	Up to 2 hours ³	Available

¹⁾ Network speed determines the time to download 800+ MB file.

²⁾ 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.

³⁾ The SMS is available while report data is migrating, but performance may seem slow until migration completes. When this task is complete, a message appears in the SMS Audit Log.

Release contents

Description	Reference
You can import the Geo Locator Database from the TMC. You can also import Geo IP files from MaxMind. The SMS supports certain GeoLite Legacy and GeoLite2 databases (GeoLite2 City). Zipped database files must be in CSV format. Download the GeoIP database .	125539
In environments with high reputation activity and a large number of devices, distribution failures with a 'Too many open files' error no longer occur.	124848
Inspection events now display correctly in the SMS interface. Previously, the SMS updated the parent device group while refreshing the device at the same time, causing the device group to be overwritten. Now, SMS refresh updates the parent device group before committing the data, resulting in correct inspection events.	125079
The Device Group editor no longer supports removing devices in a stack. To modify stack membership, use the stack editor.	125126
A new syslog field is now available for actionSetName .	117620
Restoring a filter to category settings now correctly removes the filter override. Adding a filter comment no longer forces a filter to be overridden.	124137
An issue causing an SMS filesystem to become full and experience degraded performance has been corrected.	124578
SMS no longer incorrectly names custom filters from the DV toolkit.	124605
SMS is now able to properly import and merge a profile that has reputation filters with mismatching tag categories.	124785
Changes to Rep DV Country Tag Category will no longer generate system log error message.	124292
On the Event Details page, when using the left/right arrow buttons to navigate from an event with additional data to one that does not include additional data, the additional data panel is now removed.	105332
SMS now saves alterations to tables (such as resized column widths) within logs viewable from the SMS client.	122742

By default, sending email on reputation feed download is turned off. The download typically occurs every 2 hours.	124852
DV activation failures due to conflicts with URL forwarding have been addressed in this release.	123295
An issue causing irregular character strings to appear in the audit log records under certain circumstances has been addressed.	123383
An issue with reports containing un-escaped special characters has been addressed.	123973
You are now able to unlock advanced DDoS filters from the SMS interface.	124599
Device management performance improvements are included in this release.	125138
Traffic management filters with IPv6 entries that had source and destination of ANY IPv6, and a user-defined IPv6 subnet of '::0/0', and migrated from 4.6 would have resulted in events on devices even though appropriate traffic management trust filters were configured for the IP address. This issue has been addressed and no longer occurs in this release.	125161
Issues with profile overrides and exceptions have been addressed in this release.	125776
Device hostname configuration now supports non-standard top-level domain names.	125580
Restarting SMS while distributions are in queue no longer suspend the distributions. Restarting in-queue distributions after a restart are also now successful.	126028
Improved threadpool management and usage issues have been addressed in this release. Login failures to the SMS client no longer occur, and port statistics no longer show as blank.	125889
The requirement for Bugtraq ID and CVE ID to end with a comma for Qualys-CSV file imports has been removed.	125852
When a stack is in a degraded state, it no longer shows a special icon or 'fallback'. The degraded state now shows only on the Summary tab.	126110
Filter descriptions now display https links as active links.	125274

Known issues

Description	Reference
A filter comment search returns results only if the search contains a consecutive string of alphanumeric characters with no spaces or special characters.	121433
If you change the SNMP community string from 'public' you must reboot the SMS in order to restart SNMP services.	123299
When you run a Device Traffic – IPS Physical Port report for a device group in which one of the devices has been replaced, the system generates an empty report when you identify the IPS device by name instead of specific ports. To work around this issue, run the report from specific segments or run reports using IPS Devices – Events – Traffic.	120815
Although SMS allows you to add more than 1024 SSL policy exceptions by using groups, this results in a deployment failure. Limit policy exceptions to 1024 for the best performance.	124581
Although SMS allows you to enter DNS domain names that exceed the 254 limit by 1 character, this returns an error on the device. Do not enter domain names longer than 254 characters.	124189
Be sure to select a supported certificate file for SSL inspection. You must select greater than 1K key size.	121879

Product support

For assistance, contact the [Technical Assistance Center \(TAC\)](#).

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