# Security Management System (SMS)
# Release Notes

Version 5.0.1

To ensure that you have the latest versions of product documentation, download the documents from the *Threat Management Center*.

## Important notes for SMS

- You can upgrade the SMS to v5.0.1 directly from SMS v4.4 or later. If you are upgrading to 5.0.1 from a release earlier than v4.4 must first upgrade to SMS 4.4, log in to the SMS to activate a DV, and then upgrade to v5.0.1.  For assistance with upgrades from older systems, contact the *Technical Assistance Center (TAC).*

- SMS v5.0.0-106258 has been removed from the Threat Management Center (TMC) due to a critical issue pertaining to the distribution of profiles to S-Series, N-Series and NX-Series devices. This issue can cause some filters that have filter overrides applied to revert back to Category Settings following a profile push, such as filters previously disabled becoming re-enabled.

    - For more information about this issue, refer to [Product Bulletin #1078](#).

    - The fix to address this issue is included in this release.

    - This issue does not apply to TPS (T-Series or TX-Series devices) or Next Generation Firewall devices.

- The SMS server automatically reboots after you install this release. You will then be prompted to update the SMS client.

- 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](#).

## Software updates and migration

The estimated times noted in this table apply to users upgrading from SMS v4.5 and later.  Users upgrading to v5.0.1 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 |

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[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

The following items are new or changed in this release.

| Description | Reference |
|---|---|
| An issue with the distribution of inspection profiles to S-Series, N-Series and NX-Series devices has been corrected in this release. This issue caused some filters that had filter overrides applied to revert back to Category Settings following an inspection profile distribution.  As a result, some filters previously disabled would be re-enabled. | 123030 |
| Deep Discovery Inspector integration failures and ArcSight ESM remediation failures have been resolved in this release. | 121598 |
| IPS profile distribution no longer fails when more than 15 DDOS filters are in the profile. | 122932 |
| In High Availability configurations, a heartbeat (ssh echo) timeout no longer results in a notification indicating that the active SMS lost connection with the peer. | 122635 |
| Attempts to query the SMS Alerts table with the Web API GetData method no longer fail to return event information. | 121269 |
| If you used an SMS password containing an ampersand to access the SMS Web API, it erroneously logged data to the SMS web access log file due to attempted parsing of the URL. This no longer appears in the SMS web access logs. | 122627 |
| The stack status no longer displays an invalid state in the Stack Members table after the device is powered off. | 122740 |
| Previously, Packet Capture (PCAP) exporter would degrade SMS performance by consuming memory if database cleanup or reset occurred while the packet trace offload feature was exporting traces.  In this release, it now properly supports database cleanup.  Previously this issue would cause the SMS to become unstable and negatively impact overall SMS performance. | 117694 |
| The Packet Capture (PCAP) export functionality uses either NFS or SMB mounts to copy packet traces from the SMS to the configured mount point. Previously, the SMS did not properly mount this mount point after SMS HA cluster synchronization or during SMS HA host state changes. In this release, SMS HA cluster synchronization host and state changes correctly bring up the mount point and allow the Packet Capture offload feature to work properly with an SMS HA cluster. | 122859 |

## Known issues

This release contains the following known issues.

| Description | Reference |
|---|---|
| When importing a new DV Toolkit package a known issue exists in older versions of the DV Toolkit software that results in duplicate filter names or renumbered filter IDs. It is recommended that you update to the newest DV Toolkit on the TMC to avoid issues of this nature. <br><br> To view filter IDs, perform a filter search for all filters and select **Additional Criteria – Filter Source > DV Toolkit > <ANY>**. In the search results, right click and select **Table Properties**. Navigate to the table row **DV Toolkit Filter #** and mark the checkbox in the **Visible** row. Press **OK**. This displays the actual unique DV Toolkit filter ID numbers for all results. | 118557 |
| Remote Syslog Notifications for some types of Remote Syslog events may stop being processed if you reset the SMS Events table. This affects any Remote Syslog configured that uses data from the SMS Events table. To recover from this scenario, delete the configured Remote Syslog server and recreate it to allow events to be processed again. For assistance or alternate recovery methods, contact the *Technical Assistance Center (TAC)*. | 123486 |

## Product support

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