Trend Micro™ TippingPoint™ Threat Protection System Release Notes

Version 6.6.0

To ensure that you have the latest versions of product documentation, visit the Online Help Center.

Important note

This release is supported on 1100TX, 5500TX, 8200TX, 8400TX, 5600TXE, 8600TXE, 9200TXE, and vTPS devices only.

- TPS devices running TOS v5.5.4 or earlier and all TX-Series devices must first migrate to v5.5.5 before upgrading to v6.6.0. Learn more.
- If you are upgrading from an earlier, nonsequential TOS, refer to the release notes of any interim releases for additional enhancements.
- Use SMS v6.6.0 and later to manage a TPS device with this release.
- This release ships with Digital Vaccine (DV) versions 3.2.0.10111 and 4.0.0.10111.
- Auto-DV is no longer supported on the TPS. This affects all previous TOS versions as well.
- For information about third party and open source licenses, refer to the *Third-Party Licensing* document.

Release contents

Description	Reference
The vTPS now supports higher throughput inspection: 5G licenses are available for vTPS4 (ESXi) with 8 cores, and a 3G license for vTPS4K (KVM) with 8 cores. See the vTPS User Guide for more information.	New
You can now add failed SSL client connections to SSL Client domain exclusions. Excluded domains are not decrypted or inspected, allowing you to continue to connect to those domains. You can also enable Automatic SSL Client Domain Exclusions to add some future failed connections to the exclusions list automatically. See the SSL Deployment Inspection Guide for more information.	New
File hashes are now calculated for HTTP PUT and POST file operations in addition to HTTP GET.	New
The maximum number of file hashes that you can add in the Reputation Database has been increased from 35,000 to 200,000.	New
This release includes a new certificate management REST API to help automate certificate renewal for SMS TLS inspection. See the API documentation available in the SMS Web Client for more information.	New
An issue where the device file system grew too rapidly in some cases, causing the device to reach critical levels, was fixed in this release.	TIP-139850 TIP-135949 PCT-73191
An issue where the SNMP query for the bypass OID did not work on the first but subsequently worked was fixed. The SNMP query now works correctly the first try.	TIP-138402 PCT-67891
An incorrect code path issue was fixed in this release. The indicated length of the packet was trusted off the network, potentially leading to an overflow and crash if that length was incorrect.	TIP-139231 PCT-68634 PCT-87477
This release includes improved performance for small packet bursts after idle. You can also make some RX burst parameters configurable using debug CLI commands.	TIP-137283 PCT-62221
This release fixes a race condition when processing trust filter actionsets for decrypted connections, like those using SSL proxy. This race issue caused a recently expired trust action to prevent packet inspection in a suspicious flow pipeline. This pipeline depended on the result of the inspection, causing the inspection engine to crash when it was not found.	TIP-139520 PCT-72904 PCT-69733
An issue where an SNMP query for bypass modules was not working the first time after boot, has been fixed.	TIP-138402 PCT-67891
This release fixes an issue where the Network Sensor would be uninstalled if the TPS user disk was physically removed and replaced with a new disk.	TIP-135295

The Remote Syslog over SSH feature has been removed. The SMS provides secure retrieval of the TPS log records.	TIP-135544
An issue that caused an initial upgrade to fail when upgrading from 6.1.0 or 6.2.0 was fixed in this release.	TIP-136505 PCT-65012 PCT-68863
An issue with the packet capture feature where traffic captures for VLAN tagged traffic were not working was fixed.	TIP-133025 PCT-69016 PCT-56140
This release improves how core dumps are handled. Previously core dumps too large for the filesystem were discarded, but now a partial core dump is saved.	TIP-135254 PCT-48813
Fixed a crash issue related to TMC Reputation telemetry.	TIP-134109 PCT-55432 PCT-60671
Fixed a rare issue where IOMs were misidentified, resulting in having to re-seat the module.	TIP-137265 PCT-56941
Fixed a rare issue where CONVISD would spam the system logs with the message '`Failed to start transaction`'.	TIP-134655 PCT-57906
An issue where a 8200TX or 8400TX device could inadvertently enter layer 2 fallback due to pause frames was fixed.	TIP-135603 PCT-58059
This release fixes a condition where the device file system grew too rapidly and reached critical levels in some cases.	TIP-135949 PCT-61387
Fixed a LTTng logging system crash by upgrading to a more stable version for improved system reliability.	TIP-136582 PCT-62940
Fixed an issue where management port IP filters were deleted when renaming a TPS device hostname through the SMS.	TIP-137026 PCT-64424
TPS SSL proxy behavior now adheres to best practices by not presenting the RootCA or entire certificate chain during client handshakes.	TIP-137287 PCT-64962
This release updates fan speed thresholds on 1100TX and 5500TX devices to prevent false high fan speed warnings in the system log.	TIP-139943 PCT-71271
Fixed a bypass IOM timing issue during system startup to reduce the duration of traffic interruptions.	TIP-149757 PCT-71682

Fixed an SNMP OID issue where the CPU busy percentage values intermittently returned -1 instead of the actual values.	TIP-139562 PCT-71931
Fixed an issue where session connections could time out prematurely, causing `'Error writing response header on session socket, Broken pipe'` messages in the system log.	TIP-139643 PCT-72598
Fixed a missing stack monitor daemon heartbeat detection issue, which prevents a rare problem that sometimes caused a fallback.	TIP-130380 PCT-74787
This release added CLI commands '`show arp`' and '`show ndp`' to display the device ARP and NDP tables.	TIP-145901 PCT-77979
Fixed an issue where TippingPoint devices could not distribute profiles because of outdated configuration data. This caused errors indicating that IPS profiles could not be found or UDM archives could not be restored.	TIP-146114 PCT-80554 PCT-74296
This release removes `genteld` and `conmond` system log messages.	TIP-154427 TIP-154927 PCT-83002 PCT-84917
Fixed a rare tosport issue that could occur during IP Reputation database distributions when multiple database operations occurred simultaneously.	TIP-135969 PCT-87445
Fixed an issue where TXE-Series devices experienced prolonged traffic interruption of up to 60 seconds during an SMS-initiated shutdown. Bypass IOMs now switch to bypass mode earlier in the shutdown sequence, reducing traffic downtime to about 1-2 seconds.	TIP-145578 PCT-71682

Known issues

Description	Reference
For SSL server proxy configuration, select *either* RSA *or* ECDSA. Using both types of certificates can cause connection issues.	TIP-116544
When you enable Network Sensor on the TPS, not only is firewall access to the domains required, but the Domain Name Server on the TPS must also be configured to resolve those domains.	TIP-135925

Product support

For assistance, call one of the TippingPoint numbers on the ***Contact Support site*****.**