



IPS Engine for FortiOS and FortiAP-S - Release Notes

Version 3.6

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IPS Engine for FortiOS and FortiAP-S 3.6 Release Notes

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Change Log

| Date | Change Description |
|------------|--------------------|
| 2018-11-16 | Initial release. |
| | |
| | |
| | |

Introduction

This document provides the following information for the Fortinet IPS Engine 3.6 build 0539.

- [What's new in AV Engine 3.6 build 0539 on page 6](#)
- [Product integration and support on page 7](#)
- [Resolved issues on page 8](#)

For additional FortiOS documentation, see the [Fortinet Document Library](#).

What's new in AV Engine 3.6 build 0539

| Bug ID | Description |
|--------|---|
| 509926 | The IPS engine now supports both AUTH SSL and AUTH TLS functions for explicit FTPS traffic. |

Product integration and support

Fortinet product support

The following table lists AV engine product integration and support information:

| | |
|------------------|--|
| FortiOS | 5.4.0 and later 5.6.0 and later |
| FortiAP-S | 5.4.1 and later 5.6.0 and later 6.0.0 and later 6.2.0 and later |

Resolved issues

The resolved issues listed below do not list every bug that has been corrected with this release. For inquiries about a particular bug, contact [Customer Service & Support](#).

| Bug ID | Description |
|------------------------------|--|
| 455193 | Flow-based webfilter URL exemptions now generate UTM logs. |
| 476219 | The IPS engine now correctly updates timestamps for allowed tunnel sessions. This fix improves performance because the firewall doesn't have to re-create and re-scan the session. |
| 485025, 508111 | Resolved an issue that caused the IPS engine to use excessive memory. |
| 487249 | Fixed mini TCP stack-related IPS engine crashes. |
| 488848 | Resolved an issue that caused FortiOS to enter kernel conserve mode even when memory use was low. |
| 500565 | TCP sessions are renewed on New TCP Connection Initiations with Reused Ports. |
| 503092 | Resolved static web filtering issues that occurred when application control is enabled. |
| 504002, 504229, 505859 | Resolved an issue that would sometimes cause TLS errors with HTTPS websites when SSL deep inspection is enabled. |
| 506672 | Added a Missing Boundary Check in the IMAP FETCH Response Handler. |
| 507316, 517224 | Resolved a high memory and CPU usage issue caused by unsorted session lists in session groups. |
| 509349 | Tuning improvements to white listing and app deferral. |
| 509349 | Transient segments are now used for implicitly enabled rules. |
| 509349 | The IPS engine now resets the segment length to zero when skipping over transient segments. |
| 509349, 512261 | The IPS engine now uses segment ids to calculate the maximum deferral values. |
| 509840 | SSL/TLS traffic no longer fails when flow-based Web Filtering is enabled. |
| 510709 | Fixed crashes when SSL session is exempted from deep inspection by SNI |
| 511626 | Resolved an issue that sometimes prevented the IPS engine from scanning Windows executable files. |
| 511626 | Do not generate the FIN packet as derived if no derived session. |
| 511662 | Resolved an issue that sometimes caused IPS engine signal 11 crashes. |
| 512244 | The IPS engine now determines FTP file sizes correctly. |

| Bug ID | Description |
|--------|--|
| 512577 | Improved IPS performance on FortiGate devices with SOC2 processors. |
| 518312 | Fix an incorrect TCP sequence error proxy handover when client or server has previous data that was not sent to the proxy. |
| 520777 | Resolved an issue that disabled deep inspection after adding a new address to the deep inspection exemption list. |



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