



Release Notes

IPS Engine 7.6



FORTINET DOCUMENT LIBRARY

<https://docs.fortinet.com>

FORTINET VIDEO LIBRARY

<https://video.fortinet.com>

FORTINET BLOG

<https://blog.fortinet.com>

CUSTOMER SERVICE & SUPPORT

<https://support.fortinet.com>

FORTINET TRAINING & CERTIFICATION PROGRAM

<https://www.fortinet.com/training-certification>

FORTINET TRAINING INSTITUTE

<https://training.fortinet.com>

FORTIGUARD LABS

<https://www.fortiguard.com>

END USER LICENSE AGREEMENT

<https://www.fortinet.com/doc/legal/EULA.pdf>

FEEDBACK

Email: techdoc@fortinet.com



TABLE OF CONTENTS

Change log	4
Introduction	5
Product integration and support	6
Resolved issues	7

Change log

Date	Change description
2025-05-02	Initial release.
2025-05-26	Updated Resolved issues on page 7 .
2025-07-21	Updated Resolved issues on page 7 .
2025-10-02	Updated Resolved issues on page 7 .

Introduction

This document provides the following information for the Fortinet IPS Engine 7.6 build 1040 (7.001040):

- [Product integration and support on page 6](#)
- [Resolved issues on page 7](#)

IPS Engine 7.6 build 1040 is a built-in release for FortiOS 7.6.3. It is not a release to FortiGuard.

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

Product integration and support

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

FortiOS	7.6.3
----------------	-------

Resolved issues

The resolved issues listed 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
992967	TLS session resumption using session ID does not work when DPI is enabled.
1074608	Certificate verification failures occur when FNBAM errors are mistakenly treated as untrusted certificates instead of verification failures.
1075613	FortiOS denies legitimate traffic matching app="Acrobat.Cloud" and saasinfo=11 .
1093456	First trace route packet is dropped when using FortiGate next generation firewall (NGFW) policy-based mode with virtual wire pair due to improper ICMP error packet handling.
1097216	FortiOS cannot detect https://www.virusanalyst.com/eicar.zip in flow mode and deep inspection.
1097687	A corner case pertaining to a specific URL pattern causes unexpected behavior in IPS engine.
1098473	TLS active probe is not seen with sni-server-cert-check disabled on IPS Engine.
1108238	Entry level FortiGate models may enter extreme low memory mode due to high memory usage during IPS engine database reloads.
1112737	DNS translation fails to process all requests due to packet sizing issue while using flow-based mode.
1113201	SSL protocol error occurs when FortiOS incorrectly handles TLS 1.3 session IDs during flow-based deep inspection of client-to-proxy and proxy-to-Internet traffic.
1113473	Traffic logs for tunneled traffic include inner packet details instead of outer session information when an IPS signature triggers.
1116920	Unexpected behavior observed in IPS engine (7.004.559) after upgrading from version 7.0.8 to 7.4.6.
1117043	After upgrade, event log shows logdesc="IPSA driver update failed" msg="Fail to update IPSA driver status!".
1122188	Internal diagnostic commands fail or are delayed when ipsmonitor processes each request sequentially due to sequential forwarding to IPS daemon processes.
1130821	Incomplete log entries occur when attack context logging is enabled for attacks involving long user-agent strings.
1131911	Memory usage issue observed in IPSEngine 7.00560 during high SMTP traffic due to improper memory management
1133054	Network slowness and random RDP connection drops in NGFW mode due to memory allocation error

Bug ID	Description
1136945	TLS 1.3 sessions fail after certificate verification during initial website access
1139653	IPS on hold signatures show internal IPS signatures on CLI



www.fortinet.com

Copyright© 2025 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's Chief Legal Officer, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.