



ESAP

Release Notes

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Contents


Introduction.....	4
Interoperability and Supported Platforms	4
Noteworthy Changes.....	4
ESAP 3.5.1 and Pulse Connect Secure/Pulse Policy Secure Compatibility Chart	5
V4 List of Supported Products	5
Fixed Issues in ESAP 3.5.1.....	6
Known Issues/Limitations in ESAP3.5.1	7
Documentation.....	7
DocumentationFeedback.....	8
Technical Support.....	8
Revision History	8

Introduction

V3 SDK Version: Mac and Windows 3.6.11667.2

V4 SDK Version: Windows 4.3.994.0, Mac 4.3.926.0

V3V4 Adapter Version: Windows 4.3.705.0, Mac 4.3.688.0

 Note: The SDK embedded in this ESAP version has been tested and qualified to interoperate with an extensive list of endpoint security applications covering most products listed in the supported products list.

Interoperability and Supported Platforms

Please refer to the [ESAP Supported Platforms Guide](#) for supported versions of browsers and operating systems in this release.

Noteworthy Changes

- Pulse Secure introduced support for consuming the latest OPSWAT SDK Version 4 in 8.2R5 PCS and PPS 5.3 R5 PPS release.
 - OPSWAT SDK's are bundled within our Endpoint Security Assessment Plugin (ESAP). From ESAP 3.0.3 onwards, OPSWAT V4 SDK for Windows and Mac are packaged alongside existing V2 and V3 SDKs.
 - Uploading ESAP 3.0.3 or Later on PCS 8.2R4 and below or PPS 5.3R4 and below release will continue to install and leverage the older Version 2 and Version 3 OPSWAT SDKs. There will be no change in the functionality/usage on PCS 8.2R4 / PPS 5.3R4 and below release versions.
 - Uploading ESAP 3.0.3 or later on PCS 8.2R5 PCS or PPS 5.3R5 releases, we will install OPSWAT V4 SDK version along with V2 and V3 SDKs.
 - On the PCS 8.2R5 and PPS 5.3R5 Admin UI, Administrators have a choice to select whether OPSWAT V3 or V4 SDK will be consumed on the device running PCS 8.2R5 or PPS 5.3R5. Please refer to the section "Activating the OPSWAT SDK Version" in the PCS 8.2R5 and PPS 5.3R5 Administration Guide available on [Techpubs](#) website for more information.
 - Endpoint Security Assessment Plug-In (ESAP) provides support for predefined checks on Windows and MAC platforms. ESAP package contains V2, V3 and V4 OPSWAT SDK versions. Support for V2 and V3 OPSWAT SDK is ended. Hence, this ESAP release has only OPSWAT V4 version updated in ESAP package. Refer to KB article http://kb.pulsesecure.net/articles/Pulse_Technical_Bulletin/TSB41055 on Pulse Secure site for more details.

ESAP 3.5.1 and Pulse Connect Secure/Pulse Policy Secure Compatibility Chart

This ESAP package can be installed on the following Pulse Connect Secure/ Pulse Policy Secure software versions.

- PCS 9.1RX
- PCS 9.0RX
- PCS 8.3Rx
- PCS 8.2Rx
- PCS 8.1Rx
- PPS 9.1RX
- PPS 9.0RX
- PPS 5.4Rx
- PPS 5.3Rx
- PPS 5.2Rx
- PPS 5.1Rx



Note:

- The ESAP package may install and function without any errors on older releases. However, as the install has not been tested, we recommend that it be used only on the above versions of software releases.
- This ESAP package contains V3 and V4 versions of OPSWAT SDK. From the above compatibility chart V4 is applicable only for release above 8.2R5 and 5.3R5.

Support Has Been Added for the Following Products in ESAP 3.5.1

V4 List of Supported Products

Windows OS

Antivirus Products

- Cisco Advanced Malware Protection for Endpoints (7.x)
- Cisco Advanced Malware Protection for Endpoints (x86) (5.x)
- Cisco Advanced Malware Protection for Endpoints (x86) (7.x)
- ESET Endpoint Antivirus (7.x)
- F-Secure Anti-Virus (19.x)
- F-Secure Server Security (14.x)
- IKARUS anti.virus in the cloud (0.x)
- LogMeIn Antivirus (6.x)
- Seqrite Endpoint Security (18.x)
- ウイルスバスター クラウド (16.x)

Antispyware Products

- Cisco Advanced Malware Protection for Endpoints (7.x)

- Cisco Advanced Malware Protection for Endpoints (x86) (5.x)
- Cisco Advanced Malware Protection for Endpoints (x86) (7.x)
- ESET Endpoint Antivirus (7.x)
- F-Secure Anti-Virus (19.x)
- F-Secure Server Security (14.x)
- IKARUS anti.virus in the cloud (0.x)
- LogMeIn Antivirus (6.x)
- Seqrite Endpoint Security (18.x)
- ウイルスバスター クラウド (16.x)

Firewall Products

- LogMeIn Antivirus (6.x)
- Seqrite Endpoint Security (18.x)

HardDisk Encryption

- Trend Micro Full Disk Encryption (6.x)

macOS

Antivirus Products

- Avast Mac Security (14.x)

Antispyware Products

- Avast Mac Security (14.x)

Fixed Issues in ESAP 3.5.1

The following table lists Fixed issues in ESAP3.5.1

Problem Report Number	Summary
PRS-380696	Summary: CyberReason detection concerns
PRS-382388	Summary: Need to add support for Avast Pro Antivirus 19.X versions.
PRS-381696	Summary: PDC Connection drops VPN connection when Fire Eye Agent is installed on endpoints
PRS-381753	Summary: To add support for Virus Buster cloud 16.x
PRS-381512	Summary: Multiple windows login prompt when we use Pulse CP with HC
PRS-381936	Summary: Host Checker fails to detect F-Secure Computer Protection 19.7.

PRS-379473	Summary: Host checker remains checking compliance in Windows 10 machine.
PRS-380756	Summary: Need to add support of a few CVE detection in CVE Host Checker rule.
PRS-385097	Summary: ESAP 3.5.0 does not contain ESET Endpoint Antivirus 7.x
PRS-381036	Summary: Hostchecker evaluation failing multiple times on the PCS and the user is not getting the assigned roles and are getting disconnected.

Known Issues/Limitations in ESAP3.5.1

The following table lists known issues/limitations in ESAP3.5.1

Problem Report Number	Release Note
OPSWAT	
958840, 845980	Remediation of Windows Firewall 8 in agentless mode requires administrative privileges and UAC should be turned off.
502783	Endpoint Protection 11.x/12.x is not performed when UAC is enabled or if the scan logs have been deleted or if system scans has never been performed.
495041	The password protection option in the Sunbelt Kerio Firewall product is not supported.
	Remediation and detection of Windows Firewall 7 and Vista in agentless mode requires administrative privileges and UAC to be turned off.
	For Symantec, Hosted Endpoint Protection 2.x installed on server operating systems, GetLastFullSystemScanTime function will return either the last full system scan time or last quick system scan time. Server operating systems include, Server 2008, Server 2008 R2, Server 2003 and XP x64.
785223	FSRTP status for avast! Free Antivirus 7.x will not be detected until user manually configures FSRTP status at least once. That is, user should turn off "File System Shield" and turn it on.
950123	Signatures cannot be downloaded with Trend Micro Office scan Client 10.5 and 10.6. Therefore, the remediation functionality for failing the virus definition check is not supported for Trend Micro Office scan Client 10.5 and 10.6. This is because the executable required to support this functionality is not bundled as part of the TrendMicro product.
PRS-357241	Hostchecker is failing to detect Bitlocker HD encryption 10.x in Windows 10 via browser, but detects with Pulse
PRS-380100	Host Checker stopped working after Upgrading ESAP from 3.3.5 to 3.4.4 or 3.4.5 in Mac OS Mojave 10.14.5 and 10.14.6.

Documentation

Pulse documentation is available at <https://www.pulsesecure.net/techpubs/>

Documentation Feedback

We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can send your comments to techpubs-comments@pulsesecure.net.

Technical Support

When you need additional information or assistance, you can contact "Pulse Secure Global Support Center (PSGSC):

- <https://www.pulsesecure.net/support>
- support@pulsesecure.net
- Call us at 1- 844-751-7629 (toll-free USA)

For more technical support resources, browse the support website <https://www.pulsesecure.net/support>

Revision History

The following table lists the revision history for this document.

Revision	Date	Description
1.0	October 2019	Initial Publication