



# Pulse Policy Secure: Supported Platforms Guide

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Build- 5509

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*Pulse Policy Secure: Supported Platforms Guide*

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# Content

CONTENT .....	i
REVISION HISTORY .....	1
INTRODUCTION .....	1
HARDWARE .....	2
ADMINISTRATOR WEB USER INTERFACE .....	3
PULSE SECURE CLIENT SOFTWARE .....	4
THIRD-PARTY WIRELESS LAN CONTROLLER .....	5
THIRD-PARTY 802.1X SUPPLICANTS .....	6
AGENTLESS ACCESS (BROWSERS) .....	7
AGENTLESS ACCESS (JAVA-BASED) .....	9
HOST CHECKER .....	10
PLATFORM SUPPORT FOR DEVICE ONBOARDING .....	12
PLATFORM SUPPORT FOR AAA .....	13
MDM SOLUTIONS .....	15
802.1X AUTHENTICATORS IN LAYER 2 NETWORK ACCESS CONTROL DEPLOYMENTS	16
ENDPOINT SECURITY ASSESSMENT PLUG-IN (ESAP) COMPATIBILITY .....	17

INFRANET ENFORCERS IN LAYER 3 RESOURCE POLICY DEPLOYMENTS.....	18
ADMISSION/IDENTITY CONTROL.....	19
TACACS+.....	20
HTTP ATTRIBUTE SERVER.....	21
BEHAVIORAL ANALYTICS .....	22
IF-MAP COMPATIBILITY.....	23
POLICY ENFORCEMENT USING SNMP .....	24
PROFILING USING NETWORK INFRASTRUCTURE DEVICE COLLECTOR .....	25
AGENTLESS HOST CHECKER WITH PROFILER.....	26
GENERAL NOTES.....	26
DOCUMENTATION .....	26
TECHNICAL SUPPORT .....	27

# Revision History

**Table 1** lists the revision history for this document.

Table 1 Revision History

Revision	Description
February 2021	PPS 9.1R11 updates
December 2020	PPS 9.1R10 updates.
October 2020	PPS 9.1R9 updates.
July 2020	PPS Release 9.1R8 updates.
June, 2020	PPS Release 9.1R7 updates.
April 6, 2020	PPS Release 9.1R5 updates.
January 2020	PPS Release 9.1R4 updates.
September 2019	PPS Release 9.1R3.1 updates
September 2019	PPS Release 9.1R3 updates
July 2019	PPS Release 9.1R2 updates
May 2019	Added Juniper switch model as qualified for Policy Enforcement using SNMP (ACL based).
April 2019	PPS Release Notes 9.1R1 updates.



# Introduction

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This document describes the client environments and IT infrastructure that are compatible with this release.

In this document, we identify compatibility testing for this release with the following terminology:

- Qualified (Q) –Indicates that the item was systematically tested by QA for this release.
- Compatible (C)–Indicates that the item was not tested for this release, but based on testing done for previous releases, we support it.

Pulse Secure supports all items listed as qualified or compatible.

# Hardware

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You can install and use Release software on the following platforms.

- PSA300
- PSA3000
- PSA5000
- PSA7000f
- PSA7000c
- Virtual Appliances (PSA-V) on ESXi, KVM and Hyper-V, Microsoft Azure, Amazon Web Services (AWS).



# Administrator Web User Interface

**Table** lists supported platforms for the administrator user interface.

**Table** Admin User Interface

Operating System	Browsers/Java	Qualified	Compatible
Windows			
<ul style="list-style-type: none"> <li>Windows 10, 20H2 (19042)</li> <li>Windows 10, 2004</li> <li>Windows 8.1 Enterprise, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Firefox 78 ESR</li> <li>Google Chrome 83</li> <li>Internet Explorer 11/Edge 83</li> </ul>	Q	
<ul style="list-style-type: none"> <li>Windows 10, Redstone 5 (1909), 64-bit</li> <li>Windows 10, Redstone 4, 64-bit</li> <li>Windows 10, Redstone 3 (1709) Enterprise, 64-bit</li> <li>Windows 10, Redstone 2 (1703) Enterprise, 64-bit</li> <li>Windows 8.1 Enterprise, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Internet Explorer 11/Edge Browser</li> <li>Firefox 52 ESR</li> <li>Microsoft Chromium</li> </ul>	Q	
<ul style="list-style-type: none"> <li>Windows 8.1 Professional, 64-bit</li> <li>Windows 8 basic edition / Enterprise / Professional, 32-bit or 64-bit</li> <li>Windows Vista Enterprise / Ultimate / Business / Home-Basic / Home-Premium, 32-bit or 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Internet Explorer 7.0</li> <li>Google Chrome</li> <li>Firefox 3.0 and later</li> </ul>		C
Mac			
<ul style="list-style-type: none"> <li>Mac OSX 11.1 (Silicon)</li> <li>Mac OSX 11.1, 64-bit</li> <li>Mac OSX 10.15.7, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Safari 14.0</li> <li>Google Chrome 88</li> </ul>	Q	
<ul style="list-style-type: none"> <li>Mac OSX 11.0.1</li> <li>Mac OSX 10.15.6, 64-bit</li> <li>Mac OSX 10.15.5, 64-bit</li> <li>Mac OSX 10.15.2, 64-bit</li> <li>Mac OSX 10.14.6, 64-bit</li> <li>Mac OS X 10.14.5, 64-bit</li> <li>Mac OS X 10.13, 64-bit</li> <li>Mac OS X 10.12, 64-bit</li> <li>Mac OS X 10.11, 64-bit</li> <li>Mac OS X 10.11, 64-bit</li> <li>Mac OS X 10.10, 64-bit</li> <li>Mac OS X 10.9, 64-bit</li> <li>Mac OS X 10.8, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Safari 13.0.5</li> <li>Safari 12</li> <li>Safari 11.1</li> <li>Safari 11.0</li> <li>Safari 10.0</li> <li>Safari 9.0</li> <li>Safari 8.0</li> <li>Safari 7.0</li> <li>Safari 5.1</li> <li>Microsoft Chromium</li> </ul>		C

## Pulse Secure Client Software

For a list of supported platforms for the Pulse Secure desktop client, please consult the Pulse Secure Desktop Client Supported Platforms Guide, which can be found [here](#)

**Note:** 802.1x is not supported with Mac OSX Pulse Client.

# Third-Party Wireless LAN Controller

Table 2 lists platform requirements for third-party wireless LAN Controller.

Table 2 Third-Party Wireless Controller

Platform	Environment	Qualified	Compatible
<b>Cisco</b>			
	<ul style="list-style-type: none"> <li>Cisco WLC - Model 2500 8.5.135.0</li> <li>Cisco 2500 WLC [version 8.0.140.0]</li> <li>AIR-CAP702I [version is 15.2(4) JB6]</li> <li>Cisco catalyst 3850 [Cisco IOS Software, IOS-XE Software, Catalyst L3 Switch Software (CAT3K_CAA-UNIVERSALK9-M), Version 03.07.00E]</li> <li>AIR-CAP702I (version is 15.3(3) JNB)</li> </ul>	Q	
	<ul style="list-style-type: none"> <li>Cisco 5500 Series WLC</li> <li>Cisco 7500 Series WLC</li> <li>Cisco 8500 Series WLC</li> </ul>		C
<b>Aruba</b>			
	<ul style="list-style-type: none"> <li>Aruba 650 WLC [Aruba OS 6.1.3.6], AP-105 [ArubaOS Version 6.1.3.6]</li> <li>Aruba 3400 WLC [Aruba OS 6.4.4.6], AP-205 [ArubaOS Version 6.4.2.4]</li> <li>Aruba Instant Access Point 205 AP-205 [6.4.2.3-4.1.1.3]</li> </ul>	Q	
	<ul style="list-style-type: none"> <li>Aruba 600 Series WLC</li> <li>Aruba 3200 Series WLC</li> <li>Aruba 3600 Series WLC</li> <li>Aruba Instant Access Point 200 Series</li> </ul>		C
<b>Ruckus</b>			
	<ul style="list-style-type: none"> <li>Zone Director 1200 Series WLC [9.9.0.0.216]</li> <li>Virtual SmartZone – High Scale [3.2.0.0.790]</li> <li>Access Points (Zone flex R500 &amp; Zone flex R310)</li> </ul>	Q	
<b>Cisco Meraki</b>	<ul style="list-style-type: none"> <li>Model: MR 42</li> <li>Firmware version: MR 25.13</li> </ul>	Q	
<b>Huawei</b>	<ul style="list-style-type: none"> <li>V200R011C10SPC500</li> </ul>	Q	
<b>Juniper Mist</b>	<ul style="list-style-type: none"> <li>AP Model: AP41</li> <li>Version: 0.5.17122</li> </ul>	Q	

# Third-Party 802.1X Supplicants

Table 3 lists platform requirements for third-party 802.1X supplicants.

Table 3 Third-Party 802.1X Supplicants

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	<ul style="list-style-type: none"> <li>Windows 10, 20H2 (19042)</li> <li>Windows 10, 2004</li> <li>Windows 8.1 Enterprise, 64-bit</li> </ul>	Q	
	<ul style="list-style-type: none"> <li>Windows 10, Redstone 5 (1909), 64-bit</li> <li>Windows 10, Redstone 3 (1709) Enterprise, 64-bit</li> <li>Windows 10, Redstone 2 (1703) Enterprise, 64-bit</li> <li>Windows 10, Redstone 1 (1607) Enterprise, 64-bit</li> <li>Windows 8 basic edition / Professional / Enterprise, 32-bit or 64-bit</li> <li>Windows Vista Ultimate / Business / Home-Basic / Home-Premium with SP 2, 32-bit or 64-bit</li> </ul>		C
<b>Mac</b>			
	<ul style="list-style-type: none"> <li>Mac OSX 11.1 (Silicon)</li> <li>Mac OSX 11.1, 64-bit</li> <li>Mac OSX 10.15.7, 64-bit</li> </ul>	Q	
	<ul style="list-style-type: none"> <li>Mac OSX 11.0.1, 64-bit</li> <li>Mac OS X 10.15.6, 64-bit</li> <li>Mac OS X 10.15.5, 64-bit</li> <li>Mac OS X 10.15.3, 64-bit</li> <li>Mac OS X 10.14, 64-bit</li> <li>Mac OS X 10.13, 64-bit</li> <li>Mac OS X 10.12, 64-bit</li> </ul>		C
<b>Google Android</b>			
	Android 9.0	Q	
	Android 8.1, 8.0		C
<b>Apple iOS</b>			
	iOS 13.1.2	Q	
	iOS 12.1, 11.2.6, 10, 9.0, 8.0		C

# Agentless Access (Browsers)

**Table 4** lists desktop platform requirements for the agentless access using browsers.

Table 4 Agentless Access (Browsers)

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 10, 20H2 (19042)	<ul style="list-style-type: none"> <li>Firefox 78 ESR</li> </ul>	Q	
Windows 10, 2004	<ul style="list-style-type: none"> <li>Google Chrome 83.0</li> </ul>		
Windows 8.1 Enterprise, 64-bit	<ul style="list-style-type: none"> <li>Oracle JRE 8</li> <li>Microsoft Edge 83</li> </ul>		
Windows 10, Redstone 5 (1909), 64-bit	<ul style="list-style-type: none"> <li>Internet Explorer 11/Edge Browser</li> </ul>		C
Windows 10, Redstone 3 (1709) Enterprise, 64-bit	<ul style="list-style-type: none"> <li>Firefox 68 ESR</li> </ul>		
Windows 10, Redstone 2 (1703) Enterprise, 64-bit	<ul style="list-style-type: none"> <li>Google Chrome</li> <li>Oracle JRE 8</li> </ul>		
Windows 10, Redstone 1 (1607) Enterprise, 64-bit	<ul style="list-style-type: none"> <li>Internet Explorer 11/Edge Browser</li> <li>Firefox 60 ESR</li> <li>Firefox 52 ESR</li> <li>Google Chrome</li> <li>Oracle JRE 8</li> </ul>		C
<ul style="list-style-type: none"> <li>Windows 8.1 Professional, 64-bit</li> <li>Windows 8 basic edition / Enterprise / Professional, 32-bit or 64-bit</li> <li>Windows Vista Ultimate / Business / Home-Basic / Home-Premium with SP 2, 32-bit, or 64-bit platforms</li> </ul>	<ul style="list-style-type: none"> <li>Internet Explorer 11</li> <li>Internet Explorer 10</li> <li>Internet Explorer 9.0</li> <li>Internet Explorer 8.0</li> <li>Internet Explorer 7.0</li> <li>Firefox 3.0 and later</li> <li>Google Chrome</li> <li>Oracle JRE 6 and later</li> </ul>		C
Mac			
<ul style="list-style-type: none"> <li>Mac OSX 11.1 (Silicon)</li> <li>Mac OSX 11.1, 64-bit</li> <li>Mac OSX 10.15.7, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Safari 14.0</li> <li>Google Chrome 88</li> </ul>	Q	
<ul style="list-style-type: none"> <li>Mac OSX 11.0.1, 64-bit</li> <li>Mac OSX 10.15.5, 64-bit</li> <li>Mac OS X 10.14.6, 64-bit</li> <li>Mac OS X 10.13, 64-bit</li> <li>Mac OS X 10.12, 64-bit</li> </ul>	<ul style="list-style-type: none"> <li>Safari 13.0.4</li> <li>Safari 11.1.1</li> <li>Google Chrome</li> </ul>		C
Linux			

Operating System	Browsers/Java	Qualified	Compatible
<ul style="list-style-type: none"> <li>• Ubuntu 18.04</li> <li>• Ubuntu 14.x</li> <li>• openSUSE 12.1</li> </ul>	<ul style="list-style-type: none"> <li>• Firefox ESR</li> <li>• Oracle JRE 8</li> </ul>		C
<ul style="list-style-type: none"> <li>• openSUSE 10.x and 11.x</li> <li>• Ubuntu 9.10, 10.x, and 11.x</li> <li>• Red Hat Enterprise Linux 5</li> </ul>	<ul style="list-style-type: none"> <li>• Firefox 3.0 and later</li> <li>• Google Chrome</li> <li>• Oracle JRE 6 and later</li> </ul>		C
Solaris			
<ul style="list-style-type: none"> <li>• Solaris 10, 32-bit</li> </ul>	<ul style="list-style-type: none"> <li>• Firefox ESR</li> </ul>		C
<ul style="list-style-type: none"> <li>• Solaris 10, 32-bit</li> </ul>	<ul style="list-style-type: none"> <li>• Mozilla 2.0 and later</li> </ul>		C

Table 5 lists requirements for the smart mobile devices that can gain agentless access to the network using the Web browsers indicated.

Table 5 Smart Mobile Devices for Layer 3 Access

Device/Operating System	Browsers/Java	Qualified	Compatible
Apple 13.1.2	Safari	Q	
Apple iOS 12.1.1, 11.4.1	Safari		C
Apple iOS 12	Safari		C
Google Android			
Android 9.0	Android native browser	Q	
Android 8.0			C
Android smart phones with Android 4.4 and later	Android native browser		C

# Agentless Access (Java-Based)

Table 6 lists platform requirements for the agentless access that is Java-based.

Table 6 Agentless Access (Java-Based)

Operating System	Browsers/Java	Qualified	Compatible
<ul style="list-style-type: none"> <li>Linux</li> </ul>			
<ul style="list-style-type: none"> <li>openSUSE 12.1, 32-bit</li> <li>Ubuntu 18.x, 32-bit</li> <li>Ubuntu 14.x, 32-bit</li> </ul>	<ul style="list-style-type: none"> <li>Firefox ESR</li> <li>Oracle JRE 8 Iced Tea</li> </ul>		C
<ul style="list-style-type: none"> <li>openSUSE 11.x and 10.x</li> <li>Ubuntu 11.x, 10.x, and 9.10</li> <li>Red Hat Enterprise Linux 5</li> </ul>	<ul style="list-style-type: none"> <li>Firefox 3.0 and later</li> <li>Oracle JRE 6 and later</li> </ul>		C
<ul style="list-style-type: none"> <li>Solaris OS 12</li> </ul>	Firefox ESR		C

# Host Checker

Table 7 lists the HC support on different platforms.

Table 7 Host Checker

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			
Windows 10, 20H2 (19042) Windows 10, 2004, 64-bit	Firefox 78 ESR Google Chrome 83 Oracle JRE 8 Internet Explorer 11, Microsoft Edge 83	Q	
Windows 10, Redstone 5 (1909), 64-bit Windows-10 Redstone 4 OS Build 1803 Version 10.0.17134, 64-bit	Google Chrome 74, Firefox ESR, Oracle JRE 8 update 144		C
Windows 10 Enterprise/Pro/Home	Internet Explorer 11, Edge Google Chrome 74 Firefox 60 ESR, Oracle JRE 8		C
Windows 8.1 Update/ Professional / Enterprise, 64-bit	Internet Explorer 11, Google Chrome 83 and Firefox 68 ESR, Oracle JRE 8	Q	
Windows 8.1 Update/ Professional / Enterprise, 32-bit	Internet Explorer 11, Google Chrome 74 and Firefox 60 ESR, Oracle JRE 8		C
Windows 8 Basic edition / Professional/ Enterprise, 32-bit & 64-bit	Internet Explorer 10, Google Chrome 74 and Firefox 60 ESR, Oracle JRE 7 and later		C
<b>Mac OSX</b>			
<ul style="list-style-type: none"> <li>Mac OSX 11.1 (Silicon)</li> <li>Mac OSX 11.1, 64-bit</li> <li>Mac OSX 10.15.7, 64-bit</li> </ul>	Safari 14.0, Google Chrome 88	Q	
Mac OSX 11.1, 64-bit Mac OSX 11.0.1, 64-bit Mac OSX 10.15.6, 64-bit Mac OS X 10.14.6, 64-bit Mac OS Mojave Version 10.14.5	Safari 13.0.4, Google Chrome 83 Safari 13, Google Chrome 83		C
Mac OS High Sierra Version 10.13	Safari 11.0, Google Chrome 75		C
<b>Linux</b>			
openSUSE 12.1	Firefox 38 ESR Firefox 52 ESR, 32-bit		C



Operating System	Browsers/Security Products	Qualified	Compatible
openSUSE 11.x, 10.x	Oracle JRE 8		C
Ubuntu 16.04 LTS	Firefox 52, ESR, 64-bit		C
Ubuntu 15.04	Firefox 52, ESR, 64-bit		C
Ubuntu 14.04 LTS	Firefox 52, ESR, 64-bit		C
Ubuntu 12.04 LTS, 11.x, 10.x, 9.10	Oracle JRE 7 and later		C
RHEL 5,7	Firefox 52 ESR, 32-bit, 64-bit		C
Fedora 23 (32 bit, 64 bit)	Firefox 52 ESR 32-bit, 64-bit		C
CentOS 6.4	Firefox 52, 32- bit, 64- bit		C

# Platform Support for Device Onboarding

**Table 8** lists platform requirements for device onboarding features that are qualified with this release.

Table 8 Device Onboarding Features

Operating System/Feature	Certificate	Wifi
iOS 13.1.2	Q	Q
iOS 12.1	C	C
*Android 9.0	Q	Q
*Android 8.0	C	C
Windows 10	Q	Q
Windows 8.1 Desktop	C	C
Mac OS X 10.14.6	Q	Q

Enterprise onboarding is not working on Android devices. See the [Release Notes](#) for more details.

# Platform Support for AAA

**Table 9** lists platform requirements for third-party AAA servers that are compatible with this release.

Table 9 Third-Party AAA Servers

Third-Party AAA Server	Qualified	Compatible
Active Directory	<ul style="list-style-type: none"> <li>Windows Server 2019</li> </ul>	<ul style="list-style-type: none"> <li>Windows 2016</li> <li>Windows 2012</li> </ul>
LDAP using Active Directory	<ul style="list-style-type: none"> <li>Windows Server 2019</li> </ul>	<ul style="list-style-type: none"> <li>Windows 2016</li> <li>Windows 2012</li> </ul>
LDAP using Novell eDirectory		Novell Client for Windows 2000 / XP Version 4.91 SP2
LDAP using Sun ONE iPlanet Server		Sun ONE Directory Server 5.2
LDAP with Greatbay Endpoint Profiler		Beacon 4.2.0_42
LDAP (other standards-compliant servers)	OpenLDAP 2.3.27	Authentication and authorization based on user attributes or group membership
RADIUS	<ul style="list-style-type: none"> <li>Steel-Belted Radius (SBR) 6.1</li> <li>RSA Authentication Manager 6.1</li> <li>Defender 5.2</li> <li>Windows IAS 2008</li> </ul>	
RADIUS (other standards-compliant servers)		C
ACE	<ul style="list-style-type: none"> <li>RSA Authentication Manager 7.1 SP4</li> <li>RSA Authentication Manager 6.1</li> <li>RSA Authentication Manager 5.2</li> </ul>	
Siteminder	<ul style="list-style-type: none"> <li>CA Siteminder 12.0 SP3</li> <li>CA Siteminder 6.0 SP4</li> <li>CA Siteminder 5.5</li> </ul>	
Certificate	<ul style="list-style-type: none"> <li>Windows Server 2008 R2 Certificate Services</li> <li>RSA Keon Certificate Manager 6.5.1</li> </ul>	
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C

Third-Party AAA Server	Qualified	Compatible
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, PCS, Azure AD	Ping Federate

For information on the SAML SSO profiles, bindings, and protocols that are supported, see [here](#)

# MDM Solutions

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**Table 10** lists the requirements for integration with mobile device management (MDM) vendors.

Table 10 MDM Vendors

Solution	Qualified	Compatible
AirWatch (Cloud service, Appliance OS, Virtual appliance OS)		C
MobileIron (Cloud service, Appliance OS, Virtual appliance OS)		C
Microsoft Intune		C (with AD user names only)

# 802.1X Authenticators in Layer 2 Network Access Control Deployments

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**Table** lists the 802.1X authenticators that have been qualified with this release. 802.1X authenticators are Layer 2 Ethernet switches. In addition to the qualified platforms, other 802.1X standards-compliant Ethernet switches are compatible.

Table 11 802.1X Authenticators

Platforms	Hardware Models	OS Version	Qualified	Compatible
EX Series	EX 8200 EX 6200 EX 4500 EX 4200	Junos OS 15.1R4, 17.0	Q	
Cisco Series	Cisco 2960 Cisco 3850 Cisco 3750 Cisco WLC 2500 Series Meraki MR 42	15.2(6) E2 16.9.1 12.2(55) SE11 8.5.135.0 MR 25.13	Q	
Huawei	Huawei S5720	5.170	Q	
HP Procurve	2920 series	WB.15.12.0015	Q	
Aruba	Aruba3400	6.4.4.6	Q	
Ruckus	Zone Director SmartZone	9.9.0.0 build 216 3.5.1.0.296	Q	
SRX Series	SRX 650 SRX VM	Junos 12.3X48-D30.7 Junos 15.1X49-D140.2	Q	
SRX Series	SRX 3400 SRX 1400 SRX 240 SRX 220 SRX 210 SRX 100	Junos OS 12.1X46-D35.1		C
802.1X (other standards-compliant Ethernet switches)				C

## Endpoint Security Assessment Plug-in (ESAP) Compatibility

The default version for ESAP is 3.4.8

# Infranet Enforcers in Layer 3 Resource Policy Deployments

**Table 12** lists Infranet Enforcers that have been qualified with this release. Infranet Enforcers are enforcement points in Layer 3 resource policy deployments. In addition to the qualified platforms, other Screen OS, SRX Series, and EX Series models are compatible, provided the firewall or switch model and software version supports integration with Pulse Policy Secure.

Table 12 Infranet Enforcers

Platform	Hardware Models	Software Versions
Checkpoint Firewall	Virtual Appliance	R80.40
		R80.20
		R80.10
Palo Alto Network	Virtual Appliance	9.1.2
SRX Series	• SRX 220	Junos OS 12.3X48-D30.7
	• SRX 650	Junos OS 12.3X48-D70.3
*ScreenOS	<ul style="list-style-type: none"> <li>• SSG550</li> <li>• SSG20</li> <li>• ISG-1000</li> </ul>	ScreenOS 6.3.0R21
FortiGate Firewall	900D	V6.0.4 Build 0231



# Admission/Identity Control

**Table 13** lists the IDP devices that are supported.

Table 13 IDP Devices in Admission Control Deployments

Hardware Models	Software Versions
Fortinet Fortigate Firewall	Fortinet Firewall: V6.4.1 Build 1637 Fortinet Firewall: v6.0.4 build0231 (GA) Fortinet Firewall: v6.0.2 build0163 (GA) Fortinet Firewall v5.6.2, build1486 (GA) Fortinet Firewall: v5.4.2, build1100 (GA)
Forti Authenticator	v6.0.0, build0010 (GA) v 5.5.0, build0366(GA) v5.2.1, build0161 (GA) v4.00-build0019-20151007-patch00
Forti Analyzer	v6.0.4-build0292 190109 (GA) v6.0.2-build0205 180813 (GA) v5.4.2-build1151 161213 (GA) v5.6.2-build1151 161213 (GA)
Palo Alto Networks Firewall	9.1.2
Juniper SDSN Solution	Junos SRX 15.1X49-D140.2 Junos Space 18.3
Nozomi Network SCADAguardian Device	20.0.2-04240901_A6A9C
Check Point	R80.10
McAfee ePO	5.10.0

# TACACS+

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Table 14 lists the switch models that are supported.

Table 14 TACACS+

Hardware Models	Software Versions
Juniper Switch – Model EX 2200-48t-4g	15.1R4.6
F5 Load Balancer Build: 2,0.291	11.5.4)
Arista Switch – Model DCS-7010T-48-R , Hardware version: 12.03	4.22.1FX-CLI
Cisco Switch - Model WS-C3650-24TS	16.06.05
Cisco Switch - Model WS-C3850-24T	16.9.1
Cisco Switch - Model WS-C2960X-24PD-L	15.2(6)E2
HP Procurve Switch - 2920 series	WB.16.02.0014
Cisco WLC - Model- 2500	8.5.135.0

# HTTP Attribute Server

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**Table 15** lists the switch models that are supported.

Table 15 HTTP Attribute Server

Hardware Models	Software Versions
Nozomi Networks	20.0.2-04240901_A6A9C
McAfee ePO	5.10.0

# Behavioral Analytics

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Table 16 lists the switch models that are supported.

Table 16 switch models

Hardware Models	Software Versions
Cisco 3850	03.06.08E
Cisco 2960	15.2(6)E1

# IF-MAP Compatibility

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Table 17 lists the IF-MAP clients that are supported.

Table 17 IF-MAP clients

IF-MAP Client	Qualified	Compatible
Pulse Connect Secure	Q	
Pulse Policy Secure	Q	Older than 9.0R3

# Policy Enforcement Using SNMP

**Table 18** lists the switches which are qualified for Policy Enforcement using SNMP.

Table 18 Switch List

Platform	Hardware Models	Software Version	Qualified
VLAN/ACL Based			
Cisco	2960 Series	15.0.(2)EX5	Q
	3750 Series	12.2(55)ES8	
HP	2920 Series	A3600-24	Q
HP 3Com	A3600-24 Series	Version 5.20.99, Release 2108P01	Q
Dell	N3024	6.3.3.10	Q
Juniper	EX4200	15.1R4.6	Q
Alcatel-Lucent Enterprise	OS6450-24	6.7.2.191.R04 GA	Q
Arista	12.03	4.22.1FX-CLI	Q
Huawei	S5720	5.170 (S5720 V200R011C10SPC500)	Q

# Profiling using Network Infrastructure Device collector

**Table 19** lists the devices which are qualified for device profiling using Network Infrastructure Device Collector.

Table 19 Device List

Platform	Hardware Models	Software Version	Qualified	Compatible
Cisco	2960 Series	15.2(2) E3	Q	
HP	2920 Series	WB.15.12.0015	Q	
Juniper	EX 2200 Series	12.3R12.4	Q	
Foundry	FESX424 Series	07.2.02		C
Nortel	2526T Series	4.0.0.000		
D-Link	DES-3226S	4.01-B21		C
Cisco WLC	2500 WLC	7.6.130.0	Q	
Aruba WLC	3400 WLC	6.4.2.4	Q	
Ruckus WLC	1200 WLC	9.9.0.0.216	Q	
Trapeze WLC	WLC-V	9.0.1.2.0		C
FortiGate	100D	5.4.2-1000	Q	
Palo Alto Networks Firewall	PA 3000	OS 9.1.7/OS 9.1.7 (VM)	Q	
Huawei	S5720		Q	
Viptela	NA	vEdge-1000 VM Viptela OS 18.4.4	Q	

# Agentless Host Checker with Profiler

**Table 20** lists supported Windows platforms and Security Products for Agentless Host checking with Profiler.

**Note:** Applicable with ESAP version 3.3.5 and greater.

Table 20 Agentless Host Checker with Profiler

Operating System	Security Products (Antivirus / Firewall / Antispyware)	Qualified	Compatible
Windows 8/64-bit	McAfee Total Protection 16.x	Q	
Windows 8/64-bit	Symantec Endpoint Protection 14.x		C
Windows 10/64-bit	Symantec Endpoint Protection 14.x	Q	
Windows 10/64-bit	McAfee Total Protection 16.x		C
Windows 8/32-bit	Symantec Endpoint Protection 14.x McAfee Total Protection 16.x		C
Windows 10/32-bit	Symantec Endpoint Protection 14.x McAfee Total Protection 16.x		C
Windows 8 and later/64-Bit	Windows Defender 4.x	Q	

## General Notes

For policy reasons, security issues are not normally mentioned in release notes. To find more information about our security advisories, please see our [security advisory page](#).

## Documentation

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



# Technical Support

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

- <https://support.pulsesecure.net>
- [support@pulsesecure.net](mailto:support@pulsesecure.net)

Call us at 1- 844-751-7629 (toll-free USA)

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

