



# **Ivanti Policy Secure Supported Platforms Guide**

22.1R1-22.7R1.2

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# Revision History

Table lists the revision history for this document.

Revision	Description
October 2024	Support for Cisco switch C9300L
July 2024	Ruckus OS update
May 2024	Updated browser versions
November 2023	Openstack Support
August 2023	Updated browser versions
April 2023	Updated new client version
January 2023	Updated new client version
November 2022	Updated details of browser and Operating system.
July 2022	Updated details of Client and AWS
February 2022	Initial Release

# Introduction

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.

Ivanti supports all items listed as qualified or compatible.

The IPS Gateway versions listed below are the supported versions to use with Gateway for respective releases.

## Build Details for 22.7R1.2

Product Version	Build
IPS	1485
Profiler Version	FPDB Version 54
ISAC 22.7 R4	30859
Default ESAP	4.3.8

## Build Details for 22.7R1.1

- IPS 22.7R1.1 Build 1321
- Profiler Version (FPDB Version 54)
- ISAC 22.7R3 Build 30777
- Default ESAP version 4.3.8

## Build Details for 22.7R1

- IPS 22.7R1 Build 1067

- Profiler Version (FPDB Version 52)
- ISAC 22.7R2 Build 29103
- Default ESAP version 4.3.8

### **Build Details for 22.6R1**

- IPS 22.6R1 Build 595
- Profiler Version (FPDB Version 52)
- ISAC 22.6R31 Build 26825
- Default ESAP version 4.0.5

### **Build Details for 22.5R1**

- IPS 22.5R1 Build 553
- Profiler Version (FPDB Version 52)
- ISAC 22.3R3 Build 19959
- Default ESAP version 4.0.5

### **Build Details for 22.4R1**

- IPS 22.4R1 Build 373
- Profiler Version (FPDB Version 51)
- ISAC 22.3R1 Build 18209
- Default ESAP version 4.0.5

### **Build Details for 22.3R1**

- IPS 22.3R1 Build 469
- Profiler Version (FPDB Version 51)
- ISAC 22.2R1 Build 18209

- Default ESAP version 4.0.5

### **Build Details for 22.2R1**

- IPS 22.2R1 Build 461
- Pulse Profiler Version (FPDB Version 48)
- PDC 9.1R15 Build 15819
- ISAC 22.2R1 Build 1295
- Default ESAP version 3.7.5

### **Build Details for 22.1R6**

- 22.1R6 Build 281

### **Build Details for 22.1R1**

- IPS 22.1R1 Build 211
- Pulse Profiler Version (FPDB Version 48)
- PDC 9.1R14 Build 13525
- Default ESAP version 3.7.5

# Hardware

- ISA6000
- ISA8000



# Virtual Appliances

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

## Virtual appliance qualified in 22.7R1.2/22.7R1.1/22.7 R1

Variant	Platform	vCPU	RAM	Disk Space
VMware ESXi 7.0.3	ISA4000-V	4	8 GB	80 GB
	ISA6000-V	8	16 GB	80 GB
	ISA8000-V	12	32 GB	80 GB
AWS	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	80 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	80 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	80 GB
Azure	ISA4000-V (Standard DS3 V2 - 3NICs)	4	14 GB	80 GB
	ISA4000-V (Standard_D4s_v3 - 2NICs)	4	14 GB	80 GB
	ISA6000-V (Standard DS4 V2 -3 NICs )	8	28 GB	80 GB
	ISA6000-V (Standard D8s V3)	8	32 GB	80 GB
	ISA8000-V (Standard D16s V3)	16	64 GB	80 GB
	ISA4000-V (F4s_v2)	4	8 GB	80 GB
	ISA6000-V (F8s_v2)	8	16 GB	80 GB
	ISA8000-V (F16s_v2)	16	32 GB	80 GB

Variant	Platform	vCPU	RAM	Disk Space
Hyper-V Microsoft Hyper-V Server 2016 and 2019	ISA4000-V	4	8 GB	80 GB
	ISA6000-V	8	16 GB	80 GB
	ISA8000-V	12	32 GB	80 GB
OpenStack Wallaby on Ubuntu 20.04 LTS	(4 vCPUs / ISA4000-v), (8 vCPUs,ISA6000-v), (12 vCPUs, ISA8000-v)	4	8 GB	80 GB

### Virtual appliance qualified in 22.6 R1

Variant	Platform	vCPU	RAM	Disk Space
VMware ESXi 7.0.3	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB
AWS	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	40 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	40 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	40 GB

Variant	Platform	vCPU	RAM	Disk Space
Azure	ISA4000-V (Standard DS3 V2 - 3NICs)	4	14 GB	40 GB
	ISA4000-V (Standard_D4s_v3 - 2NICs)	4	14 GB	40 GB
	ISA6000-V (Standard DS4 V2 - 3 NICs )	8	28 GB	40 GB
	ISA6000-V (Standard D8s V3)	8	32 GB	40 GB
	ISA8000-V (Standard D16s V3)	16	64 GB	40 GB
	ISA4000-V (F4s_v2)	4	8 GB	40 GB
	ISA6000-V (F8s_v2)	8	16 GB	40 GB
	ISA8000-V (F16s_v2)	16	32 GB	40 GB
Hyper-V Microsoft Hyper-V Server 2016 and 2019	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB
OpenStack Wallaby on Ubuntu 20.04 LTS	(4 vCPUs / ISA4000-v), (8 vCPUs, ISA6000-v), (12 vCPUs, ISA8000-v)	4	8 GB	80 GB

### Virtual appliance qualified in 22.5R1

Variant	Platform	vCPU	RAM	Disk Space
VMware ESXi 7.0.3	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB

Variant	Platform	vCPU	RAM	Disk Space
AWS	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	40 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	40 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	40 GB
Azure	ISA4000-V (Standard DS3 V2 - 3NICs)	4	14 GB	40 GB
	ISA4000-V (Standard_D4s_v3 - 2NICs)	4	14 GB	40 GB
	ISA6000-V (Standard DS4 V2 -3 NICs )	8	28 GB	40 GB
	ISA6000-V (Standard D8s V3)	8	32 GB	40 GB
	ISA8000-V (Standard D16s V3)	16	64 GB	40 GB
	ISA4000-V (F4s_v2)	4	8 GB	40 GB
	ISA6000-V (F8s_v2)	8	16 GB	40 GB
	ISA8000-V (F16s_v2)	16	32 GB	40 GB
Hyper-V Microsoft Hyper-V Server 2016 and 2019	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB

### Virtual appliance qualified in 22.4R1

Variant	Platform	vCPU	RAM	Disk Space
VMware ESXi 7.0.3	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB

Variant	Platform	vCPU	RAM	Disk Space
AWS-V	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	40 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	40 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	40 GB
Azure	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	40 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	40 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	40 GB

### Virtual appliance qualified in 22.3R1, 22.2R1, and 22.1R1

Variant	Platform	vCPU	RAM	Disk Space
VMware ESXi 7.0.3	ISA4000-V	4	8 GB	40 GB
	ISA6000-V	8	16 GB	40 GB
	ISA8000-V	12	32 GB	40 GB
AWS-V	ISA4000-V (M5.xlarge - 3 NICs)	4	16 GB	40 GB
	ISA6000-V ( M5.2xlarge - 3 NICs)	8	32 GB	40 GB
	ISA8000-V (M5.4xlarge - 3 NICs)	16	64 GB	40 GB

# Administrator Web User Interface

Table lists supported platforms for the administrator user interface.

## Supported platforms in 22.7R1.2

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 24H2 (26120)	Firefox 128 Google Chrome 129 Edge 129		
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115		C
Mac			
Mac OSX 15 (Sequoia)	Safari 18.1 Google Chrome 129	Q	
Mac OSX 14.7 (Sonoma)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 13.7 (Ventura)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.6 (Big Sur) (M1/Intel)	Safari 16.6 Google Chrome 115		C

**Supported platforms in 22.7R1.1, 22.7R1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 10, 22H2 (22621) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124		C
Mac			
Mac OSX 14.4.1 (Sonoma)	Safari 17.4.1 Google Chrome 124		
Mac OSX 13.6.6 (Ventura)	Safari 17.4.1 Google Chrome 124	Q	
Mac OSX 12.6.7 (Monterey)	Safari 17.4.1 Google Chrome 124	Q	
Mac OSX 12.6 (Monterey)	Safari 17.4.1 Google Chrome 124		C
Mac OSX 12.4 (Monterey)	Safari 17.4.1 Google Chrome 124		C

**Supported platforms in 22.6R1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			

Operating System	Browsers/Java	Qualified	Compatible
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115		C
Mac			
Mac OSX 13.5 (Ventura)	Safari 16.6 Google Chrome 115	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 115	Q	
Mac OSX 12.6 (Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 12.4 (Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.6 (Big Sur)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.5 (M1/Intel)	Safari 16.6 Google Chrome 115		C

### Supported platforms in 22.5R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 115	Q	



Operating System	Browsers/Java	Qualified	Compatible
	Edge 115		
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115		C
Mac			
Mac OSX 13.5 (Ventura)	Safari 16.6 Google Chrome 115	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 115	Q	
Mac OSX 12.6 (Monterey)	Safari 16.6 Google Chrome115		C
Mac OSX 12.4(Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.6 (Big Sur)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.5 (M1/Intel)	Safari 16.6 Google Chrome 115		C

### Supported platforms in 22.4R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	

Operating System	Browsers/Java	Qualified	Compatible
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 107 Edge 107		C
Mac			
Mac OSX 13.2 (Ventura)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 12.4 (Monterey)	Safari 16.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0		C
Mac OSX 11.5 (M1/Intel)	Safari 15.0 Google Chrome 96.0		C

### Supported platforms in 22.3R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 107 Edge 107	Q	
Windows 10, 21H2 (19044) Enterprise 64-bit	Firefox 102 Google Chrome 107 Edge 107	Q	

Operating System	Browsers/Java	Qualified	Compatible
Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Enterprise 64-bit	Firefox 78 ESR Google Chrome 92 Edge 91		C
Mac			
Mac OSX 13.1 (Ventura)	Safari 16.1 Google Chrome 107	Q	
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome 107	Q	
Mac OSX 12.4 (Monterey)	Safari 15.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0		C
Mac OSX 11.5 (M1/Intel)	Safari 15.0 Google Chrome 96.0		C

### Supported platforms in 22.2R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 78.14 Google Chrome 96 Edge 96	Q	
Windows 10, 21H2 (19044) Enterprise 64-bit	Firefox 78.14 Google Chrome 96 Edge 96	Q	
Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Enterprise 64-bit	Firefox 78 ESR Google Chrome 92 Edge 91		C
Mac			

Operating System	Browsers/Java	Qualified	Compatible
Mac OSX 12.4 (Monterey)	Safari 15.1 Google Chrome 96.0	Q	
Mac OSX 12.0 (Monterey)	Safari 15.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0	Q	
Mac OSX 11.5 (M1/Intel)	Safari 15.0 Google Chrome 96.0		C

### Supported platforms in 22.1R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 78.14 Google Chrome 96 Edge 96	Q	
Windows 10, 21H2 (19044) Enterprise 64-bit	Firefox 78.14 Google Chrome 96 Edge 96	Q	
Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Enterprise 64-bit	Firefox 78 ESR Google Chrome 92 Edge 91		C
Mac			
Mac OSX 12.0 (Monterey)	Safari 15.1 Google Chrome 96.0	Q	
Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel)	Safari 15.0 Google Chrome 96.0	Q	

## Ivanti Secure Access Client Software

For a list of supported platforms for the Ivanti Secure Access Client , please consult the Ivanti Secure Access Client Supported Platforms Guide, which can be found [here](#).

802.1x is not supported with Mac OSX Ivanti Secure Access Client.



Pulse Secure Client is referred as Ivanti Secure Access Client. The release numbering is updated to 22.RX. Complete UX rebranding and the UI upgrade is implemented. There is also an option to switch between the Classic UI and New-UI to maintain user experience. For more information refer KB45301.

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# Third-Party Wireless LAN Controller

lists platform requirements for third-party wireless LAN Controller.

Platform	Environment	Qualified	Compatible
<b>Cisco</b>			
	Cisco WLC - Model 2500 8.5.135.0 Cisco 2500 WLC [version 8.0.140.0] AIR-CAP702I [version is 15.2(4) JB6] Cisco catalyst 3850 [Cisco IOS Software, IOS-XE Software, Catalyst L3 Switch Software (CAT3K_CAA-UNIVERSALK9-M), Version 03.07.00E] AIR-CAP702I (version is 15.3(3) JNB)	Q	
	Cisco 5500 Series WLC Cisco 7500 Series WLC Cisco 8500 Series WLC		C
<b>Aruba</b>			
	Aruba 650 WLC [Aruba OS 6.1.3.6], AP-105 [ArubaOS Version 6.1.3.6] Aruba 3400 WLC [Aruba OS 6.4.4.6], AP-205 [ArubaOS Version 6.4.2.4] Aruba Instant Access Point 205 AP-205 [6.4.2.3-4.1.1.3]	Q	
	Aruba 600 Series WLC Aruba 3200 Series WLC Aruba 3600 Series WLC Aruba Instant Access Point 200 Series		C
<b>Ruckus</b>			
	Virtual SmartZone – High Scale [6.1.2.0.404] Access Point (Zone flex R550) Zone Director 1200 Series WLC [9.9.0.0.216] Virtual SmartZone – High Scale [3.2.0.0.790]	Q	

Platform	Environment	Qualified	Compatible
	Access Points (Zone flex R500 & Zone flex R310)		
<b>Cisco Meraki</b>	Model: MR 42 Firmware version: MR 25.13	Q	
<b>Huawei</b>	V200R011C10SPC500	Q	
<b>Juniper Mist</b>	AP Model: AP41 Version: 0.5.17122	Q	

# Third-Party 802.1X Supplicants

The following table lists platform requirements for third-party 802.1X supplicants.

## Supported platforms in 22.7R1.2

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 24H2 (26120)	Firefox 128 Google Chrome 129 Edge 129		
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 115 Edge 115		C
Mac			
Mac OSX 15 (Sequoia)	Safari 18.1 Google Chrome 129	Q	
Mac OSX 14.7 (Sonoma)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 13.7 (Ventura)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.6 (Big Sur) (M1/Intel)	Safari 16.6		C



Operating System	Browsers/Java	Qualified	Compatible
	Google Chrome 115		
<b>Google Android</b>			
	Android 14.0	Q	
	Android 13.0	Q	
	Android 12.0		C
<b>Apple iOS</b>			
	iOS17.6.1	Q	
	iOS 16.4	Q	
	iOS 16.0.3		C

#### Platform requirements 22.7R1/22.7R1.1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 23H2 (22631) Enterprise 64-bit	Q	
	Windows 11, 22H2 (22612)	Q	
	Windows 10, 22H2 (22621)	Q	
	Windows 11, 22H2 (22621) Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)		C
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit		C
<b>Mac</b>	MAC OSX 14.4.1 (Sonoma) Mac OSX 13.6.6 (Ventura)	Q	

Platform	Environment	Qualified	Compatible
	Mac OSX 12.6.7 (Monterey)		
	Mac OSX 12.6 (Monterey) Mac OSX 12.4(Monterey)		C
<b>Google Android</b>			
	Android 14.0	Q	
	Android 13.0	Q	
	Android 12.0		C
<b>Apple iOS</b>			
	iOS17.4.1	Q	
	iOS 16.4	Q	
	iOS 16.0.3		C

### Platform requirements 22.6R1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 22H2 (22612)	Q	
	Windows 10, 22H2 (19045)	Q	
	Windows 11, 22H2 (22621) Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)		C
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Q	

Platform	Environment	Qualified	Compatible
	Mac OSX 13.1 (Ventura) Mac OSX 12.6 (Monterey) Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel)		C
<b>Google Android</b>			
	Android 13.0	Q	
	Android 12.0		C
<b>Apple iOS</b>			
	iOS 16.4	Q	
	iOS 16.0.3		C

**Platform requirements 22.5R1**

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 22H2 (22612)	Q	
	Windows 10, 22H2 (19045)	Q	
	Windows 11, 22H2 (22621) Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)		C
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Q	
	Mac OSX 13.1 (Ventura) Mac OSX 12.6 (Monterey) Mac OSX 11.6 (Big Sur)		C

Platform	Environment	Qualified	Compatible
	Mac OSX 11.5 (M1/Intel)		
<b>Google Android</b>			
	Android 13.0	Q	
	Android 12.0		C
<b>Apple iOS</b>			
	iOS 16.4	Q	
	iOS 16.0.3		C

### Platform requirements 22.4R1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 22H2 (22612)	Q	
	Windows 10, 22H2 (19045)	Q	
	Windows 11, 22H2 (22621) Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)		C
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Q	
	Mac OSX 13.1 (Ventura) Mac OSX 12.6 (Monterey) Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel)		C
<b>Google Android</b>			

Platform	Environment	Qualified	Compatible
	Android 13.0	Q	
	Android 12.0		C
<b>Apple iOS</b>			
	iOS 16.4	Q	
	iOS 16.0.3		C

### Platform requirements 22.3R1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 22H2 (22621) Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)	Q	
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit	Q	
	Windows 10, Redstone 5 (1909), 64-bit Windows 10, Redstone 3 (1709) Enterprise, 64-bit Windows 10, Redstone 2 (1703) Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 13.1 (Ventura) Mac OSX 12.6 (Monterey)	Q	
	Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel)		C
<b>Google Android</b>			

Platform	Environment	Qualified	Compatible
	Android 12.0	Q	
	Android 11.0		C
<b>Apple iOS</b>			
	iOS 16.0.3	Q	
	iOS 13.1.2		C

### Platform requirements 22.2R1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)	Q	
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit	Q	
	Windows 10, Redstone 5 (1909), 64-bit Windows 10, Redstone 3 (1709) Enterprise, 64-bit Windows 10, Redstone 2 (1703) Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 12.4 (Monterey) Mac OSX 12 (Monterey) Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel) Mac OSX 10.15.7, 64-bit	Q	
	Mac OSX 11.0.1, 64-bit Mac OS X 10.15.6, 64-bit Mac OSX 10.15.5, 64-bit Mac OS X 10.15.3, 64-bit		C

Platform	Environment	Qualified	Compatible
<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		

## Platform requirements 22.1R1

Platform	Environment	Qualified	Compatible
<b>Windows</b>			
	Windows 11, 21H2 (22000) Windows 10, 21H2 (19044)	Q	
	Windows 10, 21H1 (19043) Windows 10, 20H2 (19042) Windows 10, 2004 Windows 8.1 Enterprise, 64-bit	Q	
	Windows 10, Redstone 5 (1909), 64-bit Windows 10, Redstone 3 (1709) Enterprise, 64-bit Windows 10, Redstone 2 (1703) Enterprise, 64-bit		C
<b>Mac</b>	Mac OSX 12 (Monterey) Mac OSX 11.6 (Big Sur) Mac OSX 11.5 (M1/Intel) Mac OSX 10.15.7, 64-bit	Q	
	Mac OSX 11.0.1, 64-bit Mac OS X 10.15.6, 64-bit Mac OSX 10.15.5, 64-bit Mac OS X 10.15.3, 64-bit		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		



# Agentless Access (Browsers)

lists desktop platform requirements for the agentless access using browsers.

## Supported platforms in 22.7R1.2

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 24H2 (26120)	Firefox 128 Google Chrome 129 Edge 129		
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 128 Google Chrome 115 Edge 115	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 128 Google Chrome 115 Edge 115	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 128 Google Chrome 115 Edge 115		C
Mac			
Mac OSX 15 (Sequoia)	Safari 18.1 Google Chrome 129	Q	
Mac OSX 14.7 (Sonoma)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 13.7 (Ventura)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 115		C
Mac OSX 11.6 (Big Sur) (M1/Intel)	Safari 16.6 Google Chrome 115		C

**Agentless Access supported in 22.7R1/22.7R1.1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 11, 22H2 (22612)	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 10, 22H2 (22621)	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124		C
Mac			
Mac OSX 14.4.1 (Sonoma)	Safari 17.4.1 Google Chrome 124		
Mac OSX 13.6.6 (Ventura)	Safari 17.4.1 Google Chrome 124	Q	
Mac OSX 12.6.4 (Monterey)	Safari 17.4.1 Google Chrome 124	Q	
Mac OSX 12.6 (Monterey)	Safari 17.4.1 Google Chrome 124		C
Mac OSX 12.4(Monterey)	Safari 17.4.1 Google Chrome 124		C

**Agentless Access supported in 22.6R1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22612)	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 22H2 (19045)	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 107 Edge 107		C
Mac			
Mac OSX 13.2 (Ventura)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 12.4 (Monterey)	Safari 16.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0		C

**Agentless Access supported in 22.5R1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22612)	Firefox 102 Google Chrome 111 Edge 107	Q	

Operating System	Browsers/Java	Qualified	Compatible
Windows 10, 22H2 (19045)	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 102 Google Chrome 107 Edge 107		C
Mac			
Mac OSX 13.2 (Ventura)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 12.4 (Monterey)	Safari 16.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0		C

### Agentless Access supported in 22.4R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22612)	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 22H2 (19045)	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000)	Firefox 102 Google Chrome 107		C

Operating System	Browsers/Java	Qualified	Compatible
Enterprise 64-bit	Edge 107		
Mac			
Mac OSX 13.2 (Ventura)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome107		C
Mac OSX 12.4(Monterey)	Safari 16.1 Google Chrome 96.0		C
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96.0		C

### Agentless Access supported in 22.3R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 22H2 (22621)	Google Chrome 107 Firefox 102 Microsoft Edge 107	Q	
Windows 11, 21H2 (22000)	Google Chrome 107 Firefox 102 Microsoft Edge 107	Q	
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Mac			
Mac OSX 13.1 (Ventura)	Safari 16.1 Google Chrome 107	Q	

Operating System	Browsers/Java	Qualified	Compatible
Mac OSX 12.6 (Monterey)	Safari 16.1 Google Chrome 107	Q	
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96		C
Mac OSX 11.5 (M1/Intel)	Safari 14.1 Google Chrome 94		C

### Agentless Access supported in 22.2R1

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 21H2 (22000)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Mac			
Mac OSX 12.4. (Monterey)	Safari 15.1 Google Chrome 96	Q	
Mac OSX 12.0. (Monterey)	Safari 15.1 Google Chrome 96	Q	
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96	Q	
Mac OSX 11.5 (M1/Intel)	Safari 14.1 Google Chrome 94	Q	

**Agentless Access supported in 22.1R1**

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 21H2 (22000)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Mac			
Mac OSX 12.0. (Monterey)	Safari 15.1 Google Chrome 96	Q	
Mac OSX 11.6 (Big Sur)	Safari 15.0 Google Chrome 96	Q	
Mac OSX 11.5 (M1/Intel)	Safari 14.1 Google Chrome 94	Q	

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

**Agentless Access supported for Mobile devices in 22.4R1**

Device/Operating System	Browsers/Java	Qualified	Compatible
Apple 16.4	Safari	Q	
Google Android			
Android 13	Android native browser	Q	

**Agentless Access supported for Mobile devices in 22.3R1, 22.2R1, and 22.1R1**

<b>Device/Operating System</b>	<b>Browsers/Java</b>	<b>Qualified</b>	<b>Compatible</b>
Apple 16.0.3	Safari	Q	
Google Android			
Android 12	Android native browser	Q	



# Host Checker

Table lists the HC support on different platforms.

## Supported platforms in 22.7R1.2

Operating System	Browsers/Java	Qualified	Compatible
Windows			
Windows 11, 24H2 (26120)	Firefox 128 Google Chrome 129 Edge 129		
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 128 Google Chrome 129 Edge 129	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 128 Google Chrome 129 Edge 129	Q	
Windows 10, 21H1 (19044) Windows 11, 21H2 (22000) Enterprise 64-bit	Firefox 128 Google Chrome 129 Edge 129		C
Mac			
Mac OSX 15 (Sequoia)	Safari 18.1 Google Chrome 129	Q	
Mac OSX 14.7 (Sonoma)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 13.7 (Ventura)	Safari 18.0 Google Chrome 129	Q	
Mac OSX 12.6.7 (Monterey)	Safari 16.6 Google Chrome 129		C
Mac OSX 11.6 (Big Sur) (M1/Intel)	Safari 16.6 Google Chrome 129		C

**HC support in 22.7R1/22.7R1.1**

<b>Operating System</b>	<b>Browsers/Security Products</b>	<b>Qualified</b>	<b>Compatible</b>
<b>Windows</b>			
Windows 11, 23H2 (22631) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 10, 22H2 (22621) Enterprise 64-bit	Firefox 115 Google Chrome 124 Edge 124	Q	
Windows 11, 22H2 (22621)	Firefox 115 Google Chrome 124 Edge 124		C
Windows 11, 21H2 (22000)	Firefox 115 Google Chrome 124 Edge 124		C
Windows 10, 21H2 (19044)	Firefox 115 Google Chrome 124 Edge 124		C
<b>Mac OSX</b>			
Mac OSX 14.4.1 (Sonoma)	Safari 17.4.1 Google Chrome 124		
Mac OSX 13.6.6 (Ventura) Mac OSX 12.6.4 (Monterey)	Safari 17.4.1 Google Chrome 124	Q	
Mac OSX 13.0 (Ventura) Mac OS 12.4 (Monterey)	Safari 17.4.1 Google Chrome 124		C

**HC support in 22.6R1**

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 11, 22H2 (22621)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 11, 21H2 (22000)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96		C
<b>Mac OSX</b>			
Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 13.0 (Ventura) Mac OS 12.4 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 11.5 (M1/Intel) Mac OSX 11.6 (Big Sur)	Safari 14.1, Google Chrome 92		C

**HC support in 22.5R1**

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			

Operating System	Browsers/Security Products	Qualified	Compatible
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 11, 22H2 (22621)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 11, 21H2 (22000)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96		C
<b>Mac OSX</b>			
Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 13.0 (Ventura) Mac OS 12.4 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 11.5 (M1/Intel) Mac OSX 11.6 (Big Sur)	Safari 14.1, Google Chrome 92		C

### HC support in 22.4R1

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			
Windows 11, 22H2 (22612) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	

Operating System	Browsers/Security Products	Qualified	Compatible
Windows 10, 22H2 (19045) Enterprise 64-bit	Firefox 102 Google Chrome 111 Edge 107	Q	
Windows 11, 22H2 (22621)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 11, 21H2 (22000)	Firefox 102 Google Chrome 107 Edge 107		C
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96		C
<b>Mac OSX</b>			
Mac OSX 13.2 (Ventura) Mac OSX 12.6.4 (Monterey)	Safari 16.1 Google Chrome 111	Q	
Mac OSX 13.0 (Ventura) Mac OS 12.4 (Monterey)	Safari 16.1 Google Chrome 107		C
Mac OSX 11.5 (M1/Intel) Mac OSX 11.6 (Big Sur)	Safari 14.1, Google Chrome 92		C

### HC support in 22.3R1

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			
Windows 11, 22H2 (22621)	Firefox 102 Google Chrome 107 Edge 107	Q	
Windows 11, 21H2 (22000)	Firefox 102 Google Chrome 107 Edge 107	Q	

Operating System	Browsers/Security Products	Qualified	Compatible
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96		
<b>Mac OSX</b>			
Mac OSX 13.0 (Ventura) Mac OS 12.4 (Monterey)	Safari 16.1 Google Chrome 107	Q	
Mac OSX 11.5 (M1/Intel) Mac OSX 11.6 (Big Sur)	Safari 14.1, Google Chrome 92		C

**HC support in 22.2R1**

Operating System	Browsers/Security Products	Qualified	Compatible
<b>Windows</b>			
Windows 11, 21H2 (22000)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
<b>Mac OSX</b>			
Mac OS 12.4 (Monterey) Mac OSX 11.6 (Big Sur)	Safari 14.1, Google Chrome 92	Q	
Mac OSX 11.5 (M1/Intel) Mac OSX 10.15.7, 64-bit	Safari 14.1, Google Chrome 92		C

**HC support in 22.1R1**

<b>Operating System</b>	<b>Browsers/Security Products</b>	<b>Qualified</b>	<b>Compatible</b>
<b>Windows</b>			
Windows 11, 21H2 (22000)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
Windows 10, 21H2 (19044)	Google Chrome 96 Firefox 78.14 Microsoft Edge 96	Q	
<b>Mac OSX</b>			
Mac OS (Monterey)	Safari 14.1, Google Chrome 92	Q	
Mac OSX 11.5 (M1/Intel) Mac OSX 10.15.7, 64-bit	Safari 14.1, Google Chrome 92		C

# Platform Support for Device Onboarding

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

## Platform Support 22.7R1.2

Operating System/Feature	Certificate	Wifi
iOS 17.6.1	Q	Q
*Android 14.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

## Platform Support 22.7R1/22.7R1.1

Operating System/Feature	Certificate	Wifi
iOS 17.4.1	Q	Q
*Android 14.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

## Platform Support 22.6R1

Operating System/Feature	Certificate	Wifi
iOS 16.4	Q	Q
*Android 13.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C



**Platform Support 22.5R1**

Operating System/Feature	Certificate	Wifi
iOS 16.4	Q	Q
*Android 13.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

**Platform Support 22.4R1**

Operating System/Feature	Certificate	Wifi
iOS 16.4	Q	Q
*Android 13.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

**Platform Support 22.3R1**

Operating System/Feature	Certificate	Wifi
iOS 16.0.3	Q	Q
*Android 12.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

**Platform Support 22.2R1**

Operating System/Feature	Certificate	Wifi
iOS 15.5	Q	Q

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Operating System/Feature	Certificate	Wifi
*Android 12.0	Q	Q
Windows 10	C	C
Mac OS X 10.14.6	C	C

**Platform Support 22.1R1**

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

Enterprise onboarding is not working on Android devices. See the *Release Notes* for more details.

# Platform Support for AAA

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

## Platform Support for third-party AAA servers in 22.7R1.2

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
LDAP using Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
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	Steel-Belted Radius (SBR) 6.1 RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	

Third-Party AAA Server	Qualified	Compatible
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

#### Platform Support for third-party AAA servers in 22.7R1/22.7R1.1

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
LDAP using Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
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	Steel-Belted Radius (SBR) 6.1	

Third-Party AAA Server	Qualified	Compatible
	RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

### Platform Support for third-party AAA servers in 22.6R1

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
LDAP using Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
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	Steel-Belted Radius (SBR) 6.1 RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	

Third-Party AAA Server	Qualified	Compatible
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

### Platform Support for third-party AAA servers in 22.5R1

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
LDAP using Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
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	Steel-Belted Radius (SBR) 6.1 RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	

Third-Party AAA Server	Qualified	Compatible
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

### Platform Support for third-party AAA servers in 22.4R1

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019



Third-Party AAA Server	Qualified	Compatible
LDAP using Active Directory	Windows Server 2022	Windows 2016 Windows 2012 Windows Server 2019
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	Steel-Belted Radius (SBR) 6.1 RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	
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, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

### Platform Support for third-party AAA servers in 22.3R1, 22.2R1, and 22.1R1

Third-Party AAA Server	Qualified	Compatible
Active Directory	Windows Server 2019	Windows 2016 Windows 2012
LDAP using Active Directory	Windows Server 2019	Windows 2016 Windows 2012
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	Steel-Belted Radius (SBR) 6.1 RSA Authentication Manager 6.1 Defender 5.2 Windows IAS 2008	
RADIUS (other standards compliant servers)		C
ACE	RSA Authentication Manager 7.1 SP4 RSA Authentication Manager 6.1 RSA Authentication Manager 5.2	

Third-Party AAA Server	Qualified	Compatible
Certificate	Windows Server 2008 R2 Certificate Services RSA Keon Certificate Manager 6.5.1	
Certificate (other standards-compliant servers)		C
SQL	Oracle 11g Express Edition	C
MSSQL	SQL Server 2019	C
MYSQL	MYSQL 8.0	C
*SAML 2.0,1.1	Okta, Ping One, ADFS, ICS	Ping Federate
OAuth ( Supported in 22.2R1)	Any Open ID Provider	

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

# MDM Solutions

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

Solution	Supported Version
<b>VMWare Workspace One(formerly Airwatch)</b>	
VMWare Workspace One(formerly Airwatch) Cloud Intelligent Hub Application	22.4.0.6 (2204) 22.06.0.11; Android version 12 iOS version 17.6.1
<b>Ivanti (formerly MobileIron)</b>	
Endpoint Manager Mobile (formerly MobileIron Core)	Core 11.5.0.0 Build 11
Mobile work application on endpoint	11.7.1.0.8R(662) Android OS: 13, Model: Pixel5 12.11.71a iOS: 17.6.1 iPhone 12 pro
Neurons for MDM (formerly MobileIron Cloud)	MI cloud server version : Cloud 87
Mobileiron go version	85.2.0.6 Android OS: 13, Model: Pixel 5 85.1.0a(85.1.0.11 64-bit) iOS: 17.6.1, iPhone 12 pro
<b>Microsoft Intune</b>	
Cloud service	Release version 2106

# 802.1X Authenticators in Layer 2 Network Access Control Deployments

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.

**802.1X authenticators qualified in 22.7 R1.2, 22.7R1.1, 22.7R1, 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1**

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 C9300L Cisco WLC 2500 Series Meraki MR 42	15.2(6) E2 16.9.1 17.12.03 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 VM	Junos 19.R4 Junos 15.1X49- D140.2	Q	

Platforms	Hardware Models	OS Version	Qualified	Compatible
SRX Series	SRX 650	Junos 12.3X48-D30.7		C
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

### 802.1X authenticators qualified in 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1

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 VM	Junos 19.R4	Q	

Platforms	Hardware Models	OS Version	Qualified	Compatible
		Junos 15.1X49-D140.2		
SRX Series	SRX 650	Junos 12.3X48-D30.7		C
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

### 802.1X authenticators qualified in 22.1R1

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	9.9.0.0 build 216	Q	

Platforms	Hardware Models	OS Version	Qualified	Compatible
	SmartZone	3.5.1.0.296		
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 4.3.8.



# Infranet Enforcers in Layer 3 Resource Policy Deployments

Table 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 Ivanti Policy Secure.

## Infranet Enforcers Supported in 22.7R1.2, 22.7R1.1, 22.7R1, 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1

Platform	Hardware Models	Software Versions
Checkpoint Firewall	Virtual Appliance	R81.10 R80.40 R80.20
Palo Alto Network	Virtual Appliance	11.1.0
SRX Series	SRX VM	Junos 19.R4 Junos 15.1X49-D140.2
*ScreenOS	SSG550 SSG20 ISG-1000	ScreenOS 6.3.0R21
FortiGate Firewall		V7.4.1Build 2463

## Infranet Enforcers Supported in 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1

Platform	Hardware Models	Software Versions
Checkpoint Firewall	Virtual Appliance	R81.10 R80.40 R80.20
Palo Alto Network	Virtual Appliance	10.1.3
SRX Series	SRX VM	Junos 19.R4 Junos 15.1X49-D140.2

Platform	Hardware Models	Software Versions
*ScreenOS	SSG550 SSG20 ISG-1000	ScreenOS 6.3.0R21
FortiGate Firewall		V6.0.4 Build 0231

### Infranet Enforcers Supported in 22.1R1

Platform	Hardware Models	Software Versions
Checkpoint Firewall	Virtual Appliance	R80.40 R80.20 R80.10
Palo Alto Network	Virtual Appliance	9.1.7
SRX Series	SRX 220 SRX 650	Junos OS 12.3X48-D30.7 Junos OS 12.3X48-D70.3
*ScreenOS	SSG550 SSG20 ISG-1000	ScreenOS 6.3.0R21
FortiGate Firewall		V6.0.4 Build 0231

# Admission/Identity Control

Table lists the IDP devices that are supported.

## Devices Supported in 22.7R1.2, 22.7R1.1, 22.7R1, 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1

Hardware Models	Software Versions
Fortinet Fortigate Firewall	Fortinet Firewall: V7.4.1 Build 2463 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	11.1.0 10.1.3
Juniper SDSN Solution	Junos 19.R4 Junos 15.1X49-D140.2
Nozomi Network SCADAguardian Device	20.0.2-04240901_A6A9C
Check Point	R81.40
McAfee ePO	5.10.0
IBM QRadar	7.3.2

**Devices Supported in 22.6R1, 22.5R1, 22.4R1, 22.3R1, and 22.2R1**

<b>Hardware Models</b>	<b>Software Versions</b>
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	10.1.3
Juniper SDSN Solution	Junos 19.R4 Junos 15.1X49-D140.2
Nozomi Network SCADAguardian Device	20.0.2-04240901_A6A9C
Check Point	R81.10
McAfee ePO	5.10.0
IBM QRadar	7.3.2

**Devices Supported in 22.1R1**

<b>Hardware Models</b>	<b>Software Versions</b>
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)

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Hardware Models	Software Versions
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	9.1.7
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
IBM QRadar	7.3.2

# TACACS+

Table lists the switch models that are supported.

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 C9300L	17.12.03
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

Table lists the switch models that are supported.

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

# Behavioral Analytics

Table lists the switch models that are supported.

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



# IF-MAP Compatibility

Table lists the IF-MAP Comparability between 9.x and 22.x versions

IF-MAP Client	IF-MAP Server
ICS/IPS 9.x	IPS 9.x
ICS/IPS 9.x	IPS 22.x
ICS/IPS22.x	IPS 22.x

Table lists the IF-MAP clients that are supported.

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

# Policy Enforcement Using SNMP

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

Platform	Hardware Models	Software Version	Qualified
VLAN/ACL Based			
Cisco	2960 Series 3750 Series C9300L series	15.0.(2)EX5 12.2(55)ES8 17.12.03	
HP	2920 Series	A3600-24	
HP 3Com	A3600-24 Series	Version 5.20.99, Release 2108P01	
Dell	N3024	6.3.3.10	
Juniper	EX4200	15.1R4.6	
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 lists the devices which are qualified for device profiling using Network Infrastructure Device Collector.

Platform	Hardware Models	Software Version	Qualified	Compatible
Cisco	C9300L	17.12.03		
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		
Nortel	2526T Series	4.0.0.000		
D-Link	DES-3226S	4.01-B21		
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				
FortiGate	100D		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 lists supported Windows platforms and Security Products for Agentless Host checking with Profiler.

 Applicable with ESAP version 4.3.8.

Operating System	Security Products (Antivirus / Firewall / Antispyware)	Qualified	Compatible
Windows 11/64-bit	Kaspersky Endpoint Security for Windows	Q	
Windows 11/32-bit			C
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

Ivanti documentation is available at <https://www.ivanti.com/support/product-documentation>.

## Technical Support

When you need additional information or assistance, you can contact:

- <https://forums.ivanti.com/s/contactsupport>
- [support@ivanti.com](mailto:support@ivanti.com)

For more technical support resources, browse the support website

<https://forums.ivanti.com/s/contactsupport>