



Ivanti Connect Secure Supported Platforms Guide

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Revision History

The following table lists the revision history for this document:

Date	Revision	Description
April 2022	9.1R15	Updated latest qualifications and removed deprecated or unsupported versions
January 2022	9.1R14	Rebranded to Ivanti, Ivanti Policy Secure and Ivanti Connect Secure specific as applicable.
December 2021	9.1R13.1	<ul style="list-style-type: none">Windows Supported Platforms > Windows 11 > QualifiedMac OS Supported Platforms > MAC OS Monterey version > Qualified
October 2021	9.1R13	New Release <ul style="list-style-type: none">Windows Supported Platforms > Updated Windows version: marked as CompatibleMac OS Supported Platforms > Updated Mac OS version: marked as CompatibleMDM Solutions: Added a row to "MobileIron Cloud"
September 2021	9.1R12	<ul style="list-style-type: none">Hardware: Added a line on "For more information".Added a new table "Hypervisor Supported Platforms".

Date	Revision	Description
		<ul style="list-style-type: none">Deleted some rows from the "Third-Party Applications" table.
June 2021	9.1R11.5 Doc ver. 1.2	Removed support for FireFox on macOS.
February 2021	9.1R11 Doc ver. 1.0	Updated supported platforms for JSAM
February 2021	9.1R11 Doc ver. 1.0	Initial Publication
December 2020	9.1R10 Doc ver. 1.0	Initial Publication
October 2020	9.1R9 Doc ver. 1.0.1	Updated the MDM Solutions section
October 2020	9.1R9 Doc ver. 1.0	Initial Publication
September 2020	9.1R8.2 Doc ver. 1.0	Initial Publication
July 2020	9.1R8, Doc ver. 1.0	Initial Publication
May 2020	9.1R6, Doc ver. 1.0	Initial Publication
April 2020	9.1R5, Doc ver. 1.0	Initial Publication
January 2020	9.1R4, Doc ver. 1.1	EOL of NC and WSAM
January 2020	9.1R4, Doc ver. 1.0	Initial Publication
October 2019	9.1R3, Doc ver. 1.0	Initial Publication
July 2019	9.1R2, Doc ver. 1.0	Initial Publication

Introduction

This document describes the IT infrastructure and client environments 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 Connect Secure supports all items listed as qualified or compatible.

Hardware

You can install and use Release 9.1 software on the following platforms.

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

For more information, refer to "[Hypervisor Supported Platforms](#)" on page 16.

Windows Supported Platforms

The following table lists the **Supported Windows Platforms vs ICS features**:

Windows Platform	Browsers	Admin UI	BY OD	Cross Platform Features	Advanced HTML5	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Windows 11 21H2 (22000) Professional, 64-bit	Edge 92.0.902.78(64-bit) Google Chrome 92.0.4515.159 Firefox 91.0.2 Oracle JRE 8 Update 301	Q	Q	Q	Q	Q	Q	Q	Q	Q
Windows 10 21H2 (19044) Professional, 64-bit	Edge 100.0.1185.29 Google Chrome 99.0.4844.84 Firefox ESR 78.12	Q	Q	Q	Q	Q	Q	Q	Q	Q

Windows Platform	Browsers	Admin UI	BY OD	Cross Platform Features	Advanced HTML5	Host Checker	PS AL	PSI S	Terminal Services	JSA M
	Oracle JRE 8 update 321									
Windows 10 21H1 (19043) Professional, 64-bit	Edge 100.0.1185.29 Google Chrome 99.0.4844.84 Firefox ESR 78.12 Oracle JRE 8 update 321	Q	Q	Q	Q	Q	Q	Q	Q	Q
Windows 10 Version 20H2 (OS build 10.0.19042.572) Professional, 64-bit	Internet Explorer 11 Edge 86 Google Chrome 83 Firefox ESR 68	C	C	C	C	C	C	C	C	C

Windows Platform	Browsers	Admin UI	BY OD	Cross Platform Features	Advanced HTML5	Host Checker	PS AL	PSI S	Terminal Services	JSA M
	Oracle JRE 8, 9 and 10 update 251									
Windows 10, Version 2004 (OS Build 10.0.19041.329) Enterprise, 32-bit and 64-bit	Internet Explorer 11 Edge 83 Google Chrome 83 Firefox ESR 68 Oracle JRE 8, 9 and 10 update 251	C	C	C	C	C	C	C	C	C
Windows 10, Version 2004 (OS Build 10.0.19041.264)	Internet Explorer 11 Edge 83 Google Chrome 83 Firefox ESR 68	C	C	C	-	C	C	C	C	C

Windows Platform	Browsers	Admin UI	BY OD	Cross Platform Features	Advanced HTML5	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Enterprise, 32-bit and 64-bit	Oracle JRE 8, 9 and 10 update 144									
Windows 10 Redstone 6 Version 1903 (OS Build 10.0.18362.338) 64-bit	Internet Explorer 11 Edge Google Chrome 61 Firefox ESR 60 Oracle JRE 8, 9 and 10 update 144	C	C	C	-	C	C	C	C	C



From 9.1R2 release onwards, Network Connect (NC) client and legacy Windows Secure Application Manager (WSAM) client are not supported.

Mac OS Supported Platforms

The following table lists the **supported Mac OS platforms vs ICS features**:

Mac Platform	Browsers	Admin UI	BYOD	Advanced HTML5	Cross Platform Features	Host Checker	PSAL	PSIS	Terminal Services	JSAM
MAC OS Monterey Version 12.0	Safari 15.0, Java 8 update 321	Q	Q	Q	Q	Q	Q	-	-	Q
Mac OS Big Sur Version 11.6	Safari 14.0 , Chrome 86 & Java 8 update 291	C	C	C	C	C	C	-	-	C
Mac OS Big Sur Version 11.4	Safari 14.0, Chrome 86, Java 8 update 291	C	C	C	C	C	C	-	-	C
Mac OS Big Sur Version 11.0.1 (20B29)	Safari 14.0 Chrome 86	C	C	C	C	C	C	-	-	C

Mac Platform	Browsers	Admin UI	BYOD	Advanced HTML5	Cross Platform Features	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Mac OS Catalina Version 10.15.5 64-bit	Safari 13.0, Chrome 83, Oracle JRE, JDK 8, 9 and 10	C	C	C	C	C	C	-	-	C
Mac OS Catalina Version 10.15.3 64-bit	Safari 12.0, Chrome 73, Oracle JRE, JDK 8, 9 and 10	C	C	-	C	C	C	-	-	C



- Ivanti Connect Secure Application Launcher supports Pulse Client and Host Checker.
- Network Connect Support EOL from 8.3R1 onwards on MAC platforms.

Linux Supported Platforms

The following table lists the **supported Linux platforms vs ICS features**:

Linux Platform	Browsers	Admin UI	Host Checker	PSAL	HOB	JSAM
Ubuntu 20.04 LTS	Firefox ESR 78.12, 64-bit	Q	Q	Q	Q	Q
Ubuntu 16.04 LTS	Firefox ESR 78.7.1, 64-bit	C	C	C	-	C
Ubuntu 18.04 LTS	Firefox ESR 78.7.1, 64-bit	C	C	C	-	C

Hypervisor Supported Platforms

The following **Hypervisor Supported Platforms** table lists supported third-party applications:

Application	Support Summary	Qualified	Compatible
Virtual SA			
ESXi 7.0	PSA-V	Q	
ESXi 6.7 Update 2c	PSA-V	Q	
ESXi 6.5	PSA-V		C
ESXi 6.0	PSA-V		C
ESXi 5.5, 5.5 U3	PSA-V		C
OpenStack KVM			
Controller: CentOS 7.6 QEMU version: 2.12.0	PSA-V	Q	
Compute: Ubuntu 8.04.2 LTS QEMU version: 3.1.0	PSA-V	Q	
Hyper-V			
Microsoft Hyper-V Server 2016 and 2019		Q	
Microsoft Hyper-V Server 2012 R2			C



The table specifies the qualified or compatible versions for the Hypervisors. Customers can deploy ICS on other versions at their own discretion.

Ivanti Connect Secure Installer Service

Ivanti Connect Secure Installer Service is supported for the following client applications:

- Host Checker
- Terminal Services

Cross-Platform Features

The Ivanti Connect Secure supports the following features on multiple platforms:

- File Browsing
- HTML5 RDP
- Java Secure Application Manager (JSAM)
- Premier Java Applet
- Secure Terminal Access
- Web Browsing

Pulse Secure Application Launcher (PSAL) Support

Ivanti Connect Secure 8.2R1 introduced a new mechanism, "Pulse Secure Application Launcher" (PSAL), for launching and installing Pulse clients from a web browser which have deprecated Java Plugin, ActiveX technologies and have restrictions on Java.

- Supported on Mozilla Firefox, Google Chrome and Edge browsers on Windows Platform
- Supported on Safari 12 and Chrome 61 on Mac OS High Sierra 10.13 and Mac OS Mojave 10.14

Details are listed in Windows Supported Platforms.

Pulse Application Launcher supports the delivery and installation of the following Components:

- Pulse Desktop Client
- Host Checker
- Terminal Services
- Terminal Services – Premiere JAVA Applet (HOB Applet)
- Java Secure Application Manager

Pulse Desktop Client

See the *Pulse Desktop Client Supported Platforms Guide*.

Pulse Mobile Client

See the *Pulse Mobile Client Supported Platforms Guide*.

Platform Support for Device Onboarding

The following **Device Onboarding Features** table lists Device onboarding features that are qualified with this release:

Operating System/Feature	VPN	Certificate	WiFi	Secure Email
IOS 14.x, 13.x, 12.x, 11.x, 10.x, 9.x	Q	Q	Q	Q
Android 11.x, 10.x, 9.x, 8.x	Q	Q	Q	-
Windows 10 Windows 8.1	-	Q	Q	-
Mac OS X 10.12, Safari 9.0 & Safari 10.0 Mac OS X 10.10.5, Safari 8.0.8 Mac OS X 10.9.5 Safari 7.0.x	-	Q	Q	-
Mac OS Big Sur Version 11.0.1 (20B29) Mac OS Catalina Version 10.15.5 64-bit	-	Q	Q	-

MDM Solutions

The following **MDM Vendors** table lists the requirements for integration with mobile device management (MDM) vendors:

Solution	Qualified	Compatible
AirWatch		
Cloud service	19.11.1.5	19.03.0.6
Appliance OS		C
Virtual appliance OS	Q	
MobileIron		
Cloud service	10.5.0.0.107R	10.1.0.2
Appliance OS		C
Virtual appliance OS	Q	
Microsoft Intune		
Cloud service	Release version 2106	
Pulse Workspace		
Cloud service	1.8.0-1628	

Platform Support for AAA

The following **Third-Party AAA Servers** table lists supported third-party AAA servers:



From 9.1R15 onwards, support for Siteminder, LDAP Novell eDirectory, LDAP iPlanet AAA servers are deprecated. Ensure you remove all configurations related to these servers before upgrading to 9.1R15. Upgrade may fail if all configurations are not removed. For more information refer [KB45044](#).

Third-Party AAA Server	Qualified	Compatible
Active Directory*	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2**	Windows Server 2008 R2 Windows Server 2003
LDAP using Microsoft Active Directory	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Windows Server 2008 R2 Windows Server 2003
LDAP (other standards-compliant servers)	OpenLDAP 2.3.27	C Authentication and authorization based on user attributes or group membership.
RADIUS	Steel-Belted RADIUS (SBR) 6.1 Defender 5.2 RSA Authentication Manager 8.4.0.3.0	Azure MFA Radius Windows IAS 2008 RSA Authentication Manager 8.3
RADIUS IPv6 Support	Steel-Belted RADIUS (SBR) 6.1	Windows NPS 2012 R2 Free-RADIUS 2.1

Third-Party AAA Server	Qualified	Compatible
RADIUS (other standards-compliant servers)		C
ACE	RSA Authentication Manager 8.5	RSA Authentication Manager 8.3 RSA Authentication Manager 8.2 RSA Authentication Manager 8.1 RSA Authentication Manager 8.0 SP4
Certificate	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Windows Server 2008R2 RSA Keon Certificate Manager 6.5.1
Certificate (other standards-compliant servers)		C
SAML*** 2.0, 1.1	PingFederate 6.4.1.1	Azure AD Microsoft ADFS 2.0 (Server 2008 R2) Oracle Identity Federation 11.1.1.2.0
SAML 2.0, 1.1 (other standards-compliant servers)		C
<p>*Additional requirements and limitations apply. See the <i>Active Directory</i> section in the <i>ICS Administration Guide</i>.</p> <p>** Applicable only for New AD mode Auth server.</p> <p>***For information on the SAML SSO profiles, bindings, and protocols that we support, see the <i>Supported SAML SSO Profiles</i> section in the <i>ICS Administration Guide</i>.</p>		

Third-Party Applications

The following **Third-Party Applications** table lists supported third-party applications:

Application	Support Summary	Qualified	Compatible
Outlook Web Access (OWA)			
OWA 2019	Web Profiles (Rewriter, Passthrough Proxy)	Q	
OWA 2016	Web Profiles (Rewriter, Passthrough Proxy)		C
OWA 2013 SP1	Web Profiles (Rewriter, Passthrough Proxy)		C
SharePoint			
SharePoint 2019 (Classic UI only)	Web Profiles (Rewriter, Passthrough Proxy)	Q	
SharePoint 2016	Web Profiles (Rewriter, Passthrough Proxy)		C
SharePoint 2013 SP1	Web Profiles (Rewriter, Passthrough Proxy)		C
IBM Domino			
Lotus iNotes 9.0	Web Profiles (Rewriter, Passthrough Proxy)	Q	
Lotus iNotes 8.5.3	Web Profiles (Rewriter, Passthrough Proxy)		C
Citrix			
Citrix Virtual Apps and Desktops 7 2109	HTML5 Access and CTS	Q	
Citrix Virtual Apps and Desktops 7 1912 LTSR	HTML5 Access and CTS		C

Application	Support Summary	Qualified	Compatible
Citrix Virtual Apps and Desktops 7 below 1912	HTML5 Access and CTS		C
Citrix StoreFront 2109	HTML5 Access and CTS	Q	
Citrix StoreFront 1912 LTSR	HTML5 Access and CTS		C
Citrix StoreFront with HTML5 Access	Custom Web Profile		C
Citrix Listed Applications with Server 6.5 SP1, 6.0, 7.6, 7.8	Citrix Terminal Services		C
Citrix Workspace version 2109	Web, Terminal Services and SAM Profile	Q	
Citrix Workspace version 2002	Web, Terminal Services and SAM Profile		C
Citrix Receiver versions below 4.11	Web, Terminal Services and SAM Profile		C
Citrix Virtual Apps and Desktops 7 2109	Citrix Terminal Services	Q	

Application	Support Summary	Qualified	Compatible
Citrix Virtual Apps and Desktops 7 1912 LTSR	Citrix Terminal Services		C
Citrix XenApp and XenDesktop 7.18 and below	Citrix Terminal Services		C
Citrix Virtual Apps and Desktops 7 2109	VDI Profiles	Q	
Citrix Virtual Apps and Desktops 7 1912 LTSR	VDI Profiles		C
Citrix XenDesktop 7.15 and below	VDI Profiles		C
VMWare			
VMware Horizon View Connection Server version 8.4	Rewriter	Q	
VMWare Horizon View Connection Server version 8.0, 8.1	Rewriter		C

Application	Support Summary	Qualified	Compatible
VMWare Horizon View Connection Server version 7.12	Rewriter		C
VMWare Horizon View Connection Server versions below 7.12	Rewriter		C
VMWare Horizon Agent version 8.4	VDI Profiles	Q	
VMWare Horizon Agent version 8.0, 8.1	VDI Profiles		C
VMWare Horizon Agent version 7.12	VDI Profiles		C
VMWare Horizon Agent versions below 7.12	VDI Profiles		C
VMWare Horizon View HTML Access version 5.4	VDI Profiles	Q	
VMWare Horizon View HTML Access versions below 5.4	VDI Profiles		C

Application	Support Summary	Qualified	Compatible
VMWare Horizon View Client version 8.2	VDI Profiles	Q	
VMWare Horizon View Client version 8.0	VDI Profiles		C
VMWare Horizon View Client version 5.4	VDI Profiles		C
VMWare Horizon View Client versions below 5.4	VDI Profiles		C
VMWare View Server version 4.6, 5.0, 5.1, 2.3.x	VDI Profiles		C
Exchange ActiveSync			
Office 365	Secure Mail Resource Profile	Q	
Exchange 2016	Secure Mail Resource Profile		C
Exchange 2013	Secure Mail Resource Profile		C
ESAP Package			
ESAP 3.4.8 (default version)	Host Checker	Q	
ESAP 3.3.5 (minimum version)	Host Checker	Q	

