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Ivanti Connect Secure Supported Platforms Guide
21.9R1

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Contents

Revision History

The following table lists the revision history for this document:

Date	Revision	Description
October 2021	21.9	New 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.

Hardware

You can install and use Release 21.9 software on the following platforms.

- Virtual Appliances (ISA-V) on ESXi, Microsoft Azure, and Amazon AWS.
  For more information, refer to " ISA VA Supported Platforms" on page 15.

Windows Supported Platforms

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

Windows Platform	Browsers	Admin UI	BYOD	Cross Platform Features	Advanced HTML5	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Windows 11 21H2 Professional, 64 bit	Edge Google Chrome Firefox ESR 78 Oracle JRE 8 Update 301	C	C	C	C	C	C	C	C	C
Windows 10 21H1 (OS build 10.0.19043.1110) Professional, 64 bit	Edge Google Chrome Firefox ESR 78 Oracle JRE 8 update 291	Q	Q	Q	Q	Q	Q	Q	Q	Q

Windows Platform	Browsers	Admin UI	BYOD	Cross Platform Features	Advanced HTML5	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Windows 10 Version 20H2 **(OS build 10.0.19042.572) Professional, 64 bit**	Edge Google Chrome Firefox ESR 78 Oracle JRE 8, 9 and 10 update 251	C	C	C	Q	C	C	C	C	C
Windows 10, Version 2004 **OS Build 10.0.19041.329, Enterprise, 32-bit and 64-bit**	Edge Google Chrome Firefox ESR 78 Oracle JRE 8, 9 and 10 update 251	Q	Q	Q	Q	Q	Q	Q	Q	Q

Windows Platform	Browsers	Admin UI	BYOD	Cross Platform Features	Advanced HTML5	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Windows 10, Version 2004 **OS Build 10.0.19041.264, Enterprise, 32-bit and 64-bit**	Edge Google Chrome Firefox ESR 78 Oracle JRE 8, 9 and 10 update 144	C	C	C	-	C	C	C	C	C
Windows-10 Redstone 6 **OS Build 1903 Version 10.0.18362.338, 64-bit**	Edge Google Chrome Firefox ESR 78 Oracle JRE 8, 9 and 10 update 144	Q	Q	Q	-	C	Q	Q	Q	Q

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	AdvancedHTML5	Cross Platform Feat019es	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Mac OS Big Sur Version 11.4	Safari 14.0, Chrome 86, Java 8 update 291	Q	Q	Q	Q	Q	Q	-	-	Q
Mac OS Big Sur Version 11.0.1 (20B29)	Safari 14.0 Chrome 86	C	C	C	C	C	C	-	-	C
Mac OS Catalina Version 10.15.5 64-bit	Safari 13.0, Chrome 83, Oracle JRE, JDK 8, 9 and 10	Q	Q	Q	Q	Q	Q	-	-	Q

Mac Platform	Browsers	Admin UI	BYOD	AdvancedHTML5	Cross Platform Features	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Mac OS Catalina Version 10.15.3 64-bit	Safari 12.0, Chrome 73, Oracle JRE, JDK 8, 9 and 10	C	C	-	C	Q	C	-	-	Q

Linux Supported Platforms

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

Linux Platform	Browsers	Admin UI	BYOD	Cross Platform Features	Host Checker	PSAL	PSIS	Terminal Services	JSAM
Ubuntu 20.04 LTS	Firefox ESR 78.12, 64-bit	Q	Q	Q	Q	Q	Q	Q	Q
Ubuntu 16.04 LTS	Firefox ESR 78.7.1, 64-bit	C	-	C	C	C	-	-	C
Ubuntu 18.04 LTS	Firefox ESR 78.7.1, 64-bit	C	-	C	C	C	-	-	C

ISA VA Supported Platforms

The following table lists supported ISA Virtual Appliances Platforms:

Hypervisor Platform	Qualified	Compatible
VMware		
ESXi 7.0.2	Q	
ESXi 6.7 Update 2c	Q	
ESXi 6.5		C
AWS	Q	
Azure	Q	

Pulse Secure Installer Service

Pulse 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)

- Web Browsing

Pulse Secure Application Launcher (PSAL) Support

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

- Supported on Mozilla Firefox, Google Chrome & Edge Browser on Windows Platform.

- Supported on Safari and Chrome on Mac OS.

Details are listed in Windows Supported Platforms.

Pulse Application Launcher supports delivery & installation of following Components:

- Pulse Desktop Client

- Host Checker

- Terminal Services

- Java Secure Application Manager

Pulse Secure Mobile Client

The following table lists the **Supported Mobile Platforms for the Pulse Secure Mobile Client**:

Mobile Platforms	Active Sync	Host Checker	HTML5 RDP	VPN
Android 8.1, 9.0,10.0, 11.0	C	C	C	C
IOS 11.x, 12.x, 13.x, 14.x	C	C	C	C
IOS iOS 10.2.1, 9.3.5	Q	Q	Q	Q

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
IOS 14.x, 13.x, 12.x, 11.x, 10.x, 9.x	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
MobileIron Cloud	79	
Appliance OS		C
Virtual appliance OS	Q	
Microsoft Intune		
Cloud service	Release version 2106	

Platform Support for AAA

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

Third-Party AAA Server	Qualified	Compatible
Active Directory*	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2**	Windows Server 2008 R2 Windows Server 2003
LDAP using Microsoft Active Directory	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
RADIUS (other standards-compliant servers)		C
ACE	RSA Authentication Manager 8.4.0.3.0	RSA Authentication Manager 8.3 RSA Authentication Manager 8.2 RSA Authentication Manager 8.1 RSA Authentication Manager 8.0 SP4

Third-Party AAA Server	Qualified	Compatible
Siteminder	CA Siteminder 12.7 CA Siteminder 12.52 SP1 CA Siteminder 12.0 SP3	CA Siteminder 5.5 CA Siteminder 6.0 SP4
Certificate	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
*Additional requirements and limitations apply. See Active Directory section in the ICS Administration Guide. ** Applicable only for New AD mode Auth server. ***For information on the SAML SSO profiles, bindings, and protocols that we support, see Supported SAML SSO Profiles section in the ICS Administration Guide.		

Third-Party Applications

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

Application	Support Summary	Qualified	Compatible
Outlook Web Access (OWA)			
OWA 2016 and above	Web Profiles (Rewriter, Passthrough Proxy)	Q	
OWA 2013 SP1	Web Profiles (Rewriter, Passthrough Proxy)		C
OWA 2010 SP2, 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
SharePoint 2010, 2007	Web Profiles (Rewriter, Passthrough Proxy)		C
IBM Domino			
Lotus iNotes 7.0, 8.0, 8.5 and above	Web Profiles (Rewriter, Passthrough Proxy)	Q	
Citrix			
Citrix Virtual Apps and Desktops 7 1912 LTSR	HTML5 Access and CTS	Q	

Application	Support Summary	Qualified	Compatible
Citrix Virtual Apps and Desktops 7 below 1912	HTML5 Access and CTS		C
Citrix StoreFront 1912 LTSR	HTML5 Access and CTS	Q	
Citrix StoreFront versions 3.16 and below	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 2002	Web, Terminal Services and SAM Profile	Q	
Citrix Receiver versions below 4.11	Web, Terminal Services and SAM Profile		C
Citrix Virtual Apps and Desktops 7 1912 LTSR	Citrix Terminal Services	Q	
Citrix XenApp and XenDesktop 7.18 and below	Citrix Terminal Services		C

Application	Support Summary	Qualified	Compatible
Citrix Virtual Apps and Desktops 7 1912 LTSR	VDI Profiles	Q	
Citrix XenDesktop 7.15 and below	VDI Profiles		C
VMWare			
VMWare Horizon View Connection Server version 8.0, 8.1	Rewriter	Q	
VMWare Horizon View Connection Server version 7.12	Rewriter	Q	
VMWare Horizon View Connection Server version 7.12	Rewriter	Q	
VMWare Horizon View Connection Server versions below 7.12	Rewriter		C
VMWare Horizon Agent version 8.0, 8.1	VDI Profiles	Q	

Application	Support Summary	Qualified	Compatible
VMWare Horizon Agent version 7.12	VDI Profiles	Q	
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
VMWare Horizon View Client version 8.0	VDI Profiles	Q	
VMWare Horizon View Client version 5.4	VDI Profiles	Q	
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

Application	Support Summary	Qualified	Compatible
Exchange ActiveSync			
Office 365	Secure Mail Resource Profile	Q	
Exchange 2019	Secure Mail Resource Profile	Q	
Exchange 2016, 2013, 2010 SP1, and 2007	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	