Ivanti Secure Access Client Supported Platforms Guide

22.7R1 Build 28369

22.6R1 Build 26825

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22.3R3 Build 19959

22.3R2 Build 19787

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Contents

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Revision History

The following table lists the revision history for this document.

Revision	Document	Date	Description
22.7R1	1.10	February 2024	Updated support for latest platforms for 22.7R1.
22.6R1	1.9	November 2023	Updated support for Windows 11 23H2.
22.6R1	1.8	October 2023	Updated support for latest platforms for 22.6R1.
22.5R1	1.7	September 2023	Updated support for macOS Sonoma 14.
22.5R1	1.6	July 2023	Updated support for latest platforms for 22.5R1.
22.3R3	1.5	June 2023	Updated Server compatibility for 22.3R3
22.3R2	1.4	May 2023	Updated support for latest platforms for 22.3R2.
22.3R1	1.3	January 2023	Updated support for latest platforms for 22.3R1.
22.2R1	1.2	October 2022	macOS 13 support.
22.2R1	1.1	September 2022	Windows 11 22H2 support.
22.2R1	1.0	July 2022	The release provides a unified client platform for Ivanti Connect Secure, Ivanti Policy Secure, Zero Trust Access and Next Gen gateways.

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Overview

Ivanti Secure Access Client is a dynamic, integrated and easy-to-use network client that delivers anytime/anywhere secure connectivity. The Ivanti Secure Access Client Supported Platforms Guide describes which operating environments are supported by Ivanti Secure Access Client for Windows, macOS and Linux.

Qualified Platform: The platforms listed as qualified are systematically tested by the Ivanti Quality Assurance department as part of this release. The platforms with default factory settings are qualified and advanced features are not considered.

For information on End of Life (EOL) and End of Support of the Ivanti Secure Access Client, Ivanti conncet secure, and Ivanti Policy Secure see, EOL Matrix.

Download the Ivanti Secure Access Client from Software Download Portal. You need to have the login credentials to access the portal.

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Supported Platforms

Hardware Requirements

The following table lists the minimum hardware configuration required to support the Ivanti Secure Access Client.

Ivanti Secure Access Client Hardware Requirements

Hardware Component	Requirement
CPU	Intel / AMD, 1.8GHz, 64-bit (x64) processor
System Memory	2 GB RAM
Disk Space	Install: 200 MB Logging: 500 MB

Ivanti Secure Access Client is available on Windows 10 and Windows 11 systems with ARM64 processors. For detailed list of features, see Ivanti Secure Access Client Feature List for ARM 64 Processor .

Server Platform Compatibility

The following table lists the server platforms that were tested with this release of theIvanti Secure Access Client for Windows, macOS and Linux.

Product	Qualified
Release 22.7R1	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R18.2, ICS 22.6R2
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R18.2

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Product	Qualified
Ivanti Neurons for Zero Trust Access	nZTA 22.6R1
Release 22.6R1	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R18.2, ICS 22.6R2
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R18.2
Ivanti Neurons for Zero Trust Access	nZTA 22.6R1
Release 22.5R1	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R18.1, ICS 22.5R2.1
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R18.1
Ivanti Neurons for Zero Trust Access	nZTA 22.5R1
Release 22.3R3	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R18.1, ICS 22.5R1
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R18.1, IPS 22.5R1
Ivanti Neurons for Zero Trust Access	nZTA 22.5R1
Release 22.3R2	
Ivanti Connect Secure	ICS 9.1R18, ICS 22.4R1

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Product	Qualified
(formerly Pulse Connect secure, Secure Access Service, or SA)	
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R18, IPS 22.4R1
Ivanti Neurons for Zero Trust Access	nZTA 22.4R1
Release 22.3R1	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R17, ICS 22.3R1
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R17, IPS 22.3R1
Ivanti Neurons for Zero Trust Access	nZTA 22.3R1
Release 22.2R1	
Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA)	ICS 9.1R16, ICS 22.2R1
Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC)	IPS 9.1R16, IPS 22.2R1
Ivanti Neurons for Zero Trust Access	nZTA 22.2R1

Previous versions of the Ivanti Secure Access Client can be used with the latest release of Ivanti server software, but new features that were added after the release of that client version will not be available.

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Platform and Browser Compatibility

Unless otherwise noted, a major and minor version number (for example, 10.9), means that all revisions (10.9.x) with that major/minor version are supported. When major, minor, and revision version number are specified (for example, 10.7.3), only that revision and later revisions of that major/minor version are supported. For example, 10.7.3 means that 10.7.3 through 10.7.x are supported, where x is the latest revision available.

Ivanti Secure Access Client Qualified Platforms

Platform	Operating System	Web Browser
Release 22.7R1		
Windows	• Windows 11 23H2 (OS Build 22631.2506) • Windows 11 Version 22H2 (OS Build 10.0.22621.2428) Enterprise, 64 bit • Windows 11 Version 21H2 (OS Build 10.0.22000.2538) Enterprise, 64 bit • Windows 10 Version 22H2 (OS build 10.0.19045.3570) Enterprise , and 64 bit	• Microsoft Edge Browser 120.0.2210.61 (64-bit) • Chrome 119.0.6045.214 (64 bit) • Firefox 115.2.0esr (64-bit)
macOS	• macOS Sonoma 14.0 • macOS Ventura 13.4 • macOS Monterey 12.6.6	Safari 17.3
Linux	• Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 32	NA

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Platform	Operating System	Web Browser
	• Debian 11 • RHEL 8.3 • CentOS 8.2.2004	
Release 22.6R1		
Windows	• Windows 11 23H2 (OS Build 10.0.22631.2861) • Windows 11 Version 22H2 (OS Build 10.0.22000.2652) Enterprise, 64 bit • Windows 11 Version 21H2 (OS Build 10.0.22000.2652) Enterprise, 64 bit • Windows 10 Version 22H2 (10.0.19045.3803) Enterprise , and 64 bit • Windows 10 Version 21H2 (OS build 10.0.19044.3570) 32 bit • Windows 8.1 Enterprise, 64 bit	• Microsoft Edge Browser 117.0.2045.60 (64-bit) • Chrome 118.0.5993.71 (64 bit) • Firefox 115.2.0esr (64-bit)
macOS	• macOS Sonoma 14.0 • macOS Ventura 13.4 • macOS Monterey 12.6.6 • Mac M2	Safari 17.1
Linux	• Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 32	NA

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Platform	Operating System	Web Browser
	• Debian 11 • RHEL 8.3 • CentOS 8.2.2004	
Release 22.5R1		
Windows	• Windows 11 Version 22H2 (OS Build 10.0.22621.2066) Enterprise, 64 bit • Windows 11 Version 21H2 (OS Build 22000.2176) Enterprise, 64 bit • Windows 10 Version 22H2 (OS build 10.0. 19045.3269) Enterprise , and 64 bit • Windows 10 Version 21H2 (OS build 10.0.19044.3208) 32 bit • Windows 8.1 Enterprise, 64 bit	• Microsoft Edge Browser 114.0.1823.82 (64-bit) • Chrome 114.0.5735.191 (64 bit) • Firefox 102.13.0esr (64-bit)
macOS	• macOS Sonoma 14.0 • macOS Ventura 13.4 • macOS Monterey 12.6.6 • macOS Big Sur 11.6 • Mac M2	Safari 17
Linux	• Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 32	NA

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Platform	Operating System	Web Browser
	• Debian 11 • RHEL 8.3 • CentOS 8.2.2004	
Release 22.3R2		
Windows	• Windows 11 Version 22H2 (OS Build 10.0.22621.1702) Enterprise, 64 bit • Windows 11 Version 21H2 (OS Build 22000.1936) Enterprise, 64 bit • Windows 10 Version 22H2 (OS build 10.0. 19045.2965) Enterprise , and 64 bit • Windows 10 Version 21H2 (OS build 10.0.19044.2965) 32 bit • Windows 8.1 Enterprise, 64 bit	• Microsoft Edge Browser 113.0.1774.57 (64-bit) • Chrome 113.0.5672.127 (64 bit) • Firefox 113.0.2 (64 bit) • Chromium-based Edge Browser 108.0.1462.76 (Official build) (64-bit)
macOS	• macOS Ventura 13.0 • macOS Monterey 12.6.5 • macOS Big Sur 11.6 • Mac M2	Safari 16.4.1
Linux	• Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 32 • Debian 11	NA

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Platform	Operating System	Web Browser
	• RHEL 8.3 • CentOS 8.2.2004	
Release 22.3R1		
Windows	• Windows 11 Version 22H2 (OS Build 10.0.22621.963) Enterprise, 64 bit • Windows 11 Version 21H2 (OS Build 22000.1163) Enterprise, 64 bit • Windows 10 Version 22H2 (OS build 10.0. 19045.2364) Enterprise , and 64 bit • Windows 10 Version 21H2 (OS build 10.0.19044.2364) 32 bit • Windows 8.1 Enterprise, 64 bit	• Microsoft Edge Browser 107.0.1418.56 (64-bit) • Chrome 108.0.5359.125 (64 bit) • Firefox 108.0.1 (64 bit) • Chromium-based Edge Browser 108.0.1462.76 (Official build) (64-bit)
macOS	• macOS Ventura 13.0 • macOS Monterey 12.6 • macOS Big Sur 11.6 • Mac M2	Safari 15.5
Linux	• Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 32 • Debian 11 • RHEL 8.3	NA

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Platform	Operating System	Web Browser
	• CentOS 8.2.2004	
Release 22.2R1		
Windows	• Windows 11 Version 22H2 (OS Build 10.0.22621.521) Enterprise, 64 bit • Windows 11 Version 21H2(OS Build 22000.795) Enterprise, 64 bit • Windows 10 Version 21H2 (OS build 10.0.19044.1826) Enterprise, 32 and 64 bit • Windows 8.1 Enterprise, 64 bit	• Microsoft Edge Browser 103.0.1264.49 (64-bit) • Chrome 103.0.5060.114 (64 bit) • Firefox 102.0.1 (64 bit) • Chromium-based Edge Browser 86.0.622.48 (Official build) (64-bit)
macOS	• macOS Ventura 13.0 • macOS Monterey 12.4 • macOS Big Sur 11.6 • macOS Catalina 10.15.6	Safari 15.5
Linux	• Ubuntu 20.04.03 • Ubuntu 20.04.1 • Fedora 32 • Debian 11 • Debian 10.6 • RHEL 7 • RHEL 8 • CentOS 8.2.2004	NA

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The Ivanti Secure Access Client installer for RHEL/CentOS is not available by default in Ivanti Connect secure server. The RHEL/CentOS installer is available for download at Product Downloads.

- Google Chrome is compatible rather than qualified because of Google's policy to support a "rapid release cycle" rather than an Extended Support Release (ESR) model.

Smart Card and Soft Token Compatibility

The smart cards are compatible on the following platforms (all 64-bit):

- Windows 11
- Windows 10
- macOS Sonoma 14.0
- macOS Ventura 13.4
- macOS Monterey 12.6

Cards	Software Version
Yubikey	Driver Version 10.0.18362.1 Yubikey supports Windows and macOS with below authentication modes under certificates: Digital Signature Card Authentication
Aladdin eToken	PKI client version 5.1 and drivers version of 5.1
Safenet iKey 2032	PKI client version 7.0.8.0022, driver version v4.0.0.20
Gemalto .Net cards	Driver version 2.1.3.210

The following table lists compatible soft tokens.

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Soft Tokens	Software Version
RSA	Application version 5.0.0.292
Server	RSA Authentication Manager 8.3
Client	RSA SecurID Software Token

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Language Support

User-interface, message and online-help text in the Ivanti Secure Access Client for Windows and macOS have been localized in the following languages:

- DE – German
- EN – English
- ES – Spanish
- FR – French
- IT – Italian
- JA – Japanese
- KO – Korean
- PL – Polish
- ZH-CN – Chinese (Simplified)
- ZH – Chinese (Traditional)

For the Ivanti Secure Access Client to use a language listed above, the corresponding locale must be set on the local operating system.

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Adaptive Delivery

Ivanti Secure Access Client (both Windows/macOS desktop clients, Host Checker, and Windows Terminal Services) feature "Adaptive Delivery", which is a mechanism for installing and launching Ivanti Secure Access Client from a web browser. The exact mechanism used for Adaptive Delivery depends on many factors, including:

1. The Ivanti Secure Access Client launched/installed
2. The client operating system type and version
3. The web browser type and version
4. The security settings of the client operating system and browser

To leverage Adaptive Delivery for a client/OS/browser combination, you may need to enable the appropriate technology on the endpoint device.

PSAL leverages "URL handler" functionality by invoking a custom URL in a manner that instructs the web browser to execute a program that launches/installs the appropriate Ivanti Secure Access Client. PSAL was created to address both the restrictions placed on Java on macOS and the depreciation of Java (and ActiveX) plug-ins in Google Chrome and the Microsoft Edge browser. You can read more about the PSAL in article KB40102.

The following table shows the Adaptive Delivery mechanism for client/OS/browser combinations.

Operating System	Ivanti Secure Access Client	Web Browser	Adaptive Delivery Mechanism
Windows	All	Firefox Google Chrome Edge Browser	Pulse Secure Application Launcher
macOS	Ivanti Secure Access Client Host Checker (HC)	Safari	Pulse Secure Application Launcher
macOS	JSAM	Safari	Pulse Secure Application Launcher

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- Chrome is compatible rather than fully qualified on Windows.
- Chrome and Firefox on macOS are not supported (only Safari is supported on macOS), but PSAL will be invoked if an attempt is made to use either Chrome or Firefox on macOS for the Ivanti Secure Access Client or Host Checker

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Access Methods

The Ivanti Secure Access Client supports the following kinds of connections to Ivanti gateways:

- Layer 3 VPN connections to Ivanti Connect Secure
- Layer 2 (802.1x) and Layer 3 connections to Ivanti Secure
- Per-application VPN tunneling to Ivanti Connect Secure (Windows Secure Access Manager)

There are a vast number of possible combinations of connections and configurations. For example, both Layer 2 (wired and wireless) and Layer 3 connections can be configured either with or without enforcement (Host Checker enforcement of system health and policy compliance). Although an endpoint can have only one active VPN connection to Ivanti Connect Secure, an endpoint can have multiple simultaneous Ivanti Policy Secure connections with or without a VPN connection.

The following table lists the configurations that are qualified and compatible. Any combination not mentioned in the table is not supported.

Access Method Configuration	**Description**	**Level of Support**
Layer 2 Ivanti Policy Secure + Multiple Layer 3 Ivanti Policy Secure	One Ivanti Policy Secure Layer 2 connection running in parallel to multiple Ivanti Policy Secure Layer 3 connections	Qualified

The following table lists the supported nested tunnel (tunnel-in-tunnel) configurations. The configurations are for a Ivanti Connect Secure v9.1 outer tunnel, a Ivanti Policy Secure inner tunnel, and the Ivanti Secure Access Client.

Ivanti Connect Secure (Outer Tunnel Config)				**Ivanti Policy Secure (Inner Tunnel Support)**	
Split-Tunneling Mode	**Route Precedence**	**Route Monitor**	**Traffic Enforcement**	**Source IP**	**Dynamic Source IP**
Disabled	Tunnel Routes[1]	Disabled	Disabled	Supported	Supported

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Ivanti Connect Secure (Outer Tunnel Config)				Ivanti Policy Secure (Inner Tunnel Support)	
Disabled	Tunnel Routes[1]	Disabled	IPv4 Disabled and IPv6 Enabled	Supported	Supported
Disabled	Tunnel Routes[1]	Disabled	IPv4 Enabled and IPv6 Disabled	Supported	Supported
Disabled	Tunnel Routes	Enabled	Enabled or Disabled	Supported	Supported
Enabled	Tunnel Routes[1]	Disabled	Enabled or Disabled	Supported	Supported
Enabled	Tunnel Routes[1]	Enabled	Enabled or Disabled	Supported	Supported
Enabled or Disabled	Endpoint routes	Enabled or Disabled	Enabled or Disabled	Supported	Supported

1. Tunnel Routes and Tunnel Routes with Local Subnet Access behave the same way.
2. Ivanti Policy Secure IP address, Infranet Enforcer IP address, and Ivanti Policy Secure VA pool IP addresses should be added to the Ivanti split-tunnelling network policy.
3. Ivanti Policy Secure IP address, Infranet Enforcer IP address, and protected resources should be added to a Ivanti split-tunnelling network policy, and Ivanti Connect Secure should have a route to the Ivanti Policy Secure protected resource.

Ivanti WSAM does not inter-operate with Ivanti Policy Secure.

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Ivanti Secure Access Client Feature List for ARM 64 Processor

Ivanti Secure Access Client is available on Windows 10 and Windows 11 systems with ARM 64 processors.

Supported features

In this release, the following features are supported on systems with ARM 64 processors:

- Web Proxy (Proxy server in front of ICS)
- Web Proxy (Proxy server behind ICS)
- Split Tunneling (IP-based)
- Split Tunneling (FQDN-based) Layer 3
- Traffic Enforcement
- Tunneling Route Monitor
- Tunneling enable local subnet routes
- Configurable DNS search order
- Launch from Browser
- Location Awareness
- Always-On VPN
- SSL VPN
- ESP VPN
- SSL VPN over IPv6
- ESP VPN over IPv6
- ESP VPN Mixed Mode (IPv4-in-IPv6 and IPv6-in-IPv4)
- Run script on connect/disconnect

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- FIPS Compliance
- Embedded Browser
- SAML Support
- SAML Single Logout
- Smart Card
- Yubikey Smart Card
- RSA Token Code
- RSA Soft-token Integration/Automation
- Time-based One-Time Password (ICS Only)
- Certificate Authentication
- Certificate Authentication with IKE and ESP
- Automatic Client Certificate Selection
- EKU/OID based Filtering for Client Certificate Selection
- Machine Authentication
- Stealth Mode Tunnels
- Secondary Authentication (not to IPS)
- Bio-metric authentication (touch-id / face id)
- Single Sign On to Device and to ICS/IPS (not Cloud Secure)
- Full Host Checker Support
- Periodic Host Checker Support
- Minimal/OS check Support
- OS Version Support
- Device Health Check
- Antivirus Check

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- Firewall Check
- Security patch requirement check
- Allow/Deny OS versions
- File Support
- Process Support
- Ports Support
- Registry

Unsupported Features

In this release, the following Ivanti Secure Access Client features are not supported on systems with ARM 64 processors:

- IPS features / connectivity
- Zero Trust Access
- PSAL (64-Bit), HOB & JSAM
- Terminal Services Clients (WTS & Citrix)
- Multiple Concurrent Tunnels
- Configure VPN through MDM
- L3 and L4 Coexistence
- SAM Support
- SAM IPv6
- Credential Provider Support
- Split DNS

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Technical Support

When you need additional information or assistance, you can contact “Ivanti Global Support Center:

- https://forums.ivanti.com/s/welcome-pulse-secure
- support@ivanti.com

Call us at +1-888-253-6201

For more technical support resources, browse the support website **https://forums.ivanti.com/s/welcome-pulse-secure.**

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