



Ivanti Secure Access Client Supported Platforms Guide

22.3R2 Build 19787

22.2R1 Build 1295

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Revision History

The following table lists the revision history for this document.

| Revision | Document | Date | Description |
|----------|----------|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

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 [[[Undefined variable Custom.PDC_long]]] from [Software Download Portal](#). You need to have the login credentials to access the portal.

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, 32-bit (x86) or 64-bit (x64) processor |
| System Memory | 2 GB RAM |
| Disk Space | Install: 33 MB Logging: 50 MB |

From 9.1R14 release, 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 the Ivanti Secure Access Client for Windows, macOS and Linux.

| Product | Qualified |
|---------------------------------------------------------------------------------------------------------------|------------------------|
| Release 22.3R2 | |
| Ivanti Connect Secure (formerly Pulse Connect secure, Secure Access Service, or SA) | ICS 9.1R18, ICS 22.4R1 |
| Ivanti Policy Secure (formerly Pulse Policy secure, Access Control Service, or Unified Access Control/UAC) | IPS 9.1R18, IPS 22.4R1 |

| Product | Qualified |
|---------------------------------------------------------------------------------------------------------------|------------------------|
| 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.

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 22.3R2 | | |
| Windows | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> macOS Ventura 13.0 macOS Monterey 12.6.5 macOS Big Sur 11.6 Mac M2 | Safari 16.4.1 |
| Linux | <ul style="list-style-type: none"> Ubuntu 20.04.5 LTS Ubuntu 22.04 LTS Fedora 34 Debian 11 RHEL 8.3 CentOS 8.2.2004 | NA |

| Platform | Operating System | Web Browser |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Release 22.3R1 | | |
| Windows | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • macOS Ventura 13.0 • macOS Monterey 12.6 • macOS Big Sur 11.6 • Mac M2 | Safari 15.5 |
| Linux | <ul style="list-style-type: none"> • Ubuntu 20.04.5 LTS • Ubuntu 22.04 LTS • Fedora 34 • Debian 11 • RHEL 8.3 • CentOS 8.2.2004 | NA |
| Release 22.2R1 | | |

| Platform | Operating System | Web Browser |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Windows | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> macOS Ventura 13.0 macOS Monterey 12.4 macOS Big Sur 11.6 macOS Catalina 10.15.6 | Safari 15.5 |
| Linux | <ul style="list-style-type: none"> Ubuntu 20.04.03 Ubuntu 20.04.1 Fedora 32 Debian 11 Debian 10.6 RHEL 7 RHEL 8 CentOS 8.2.2004 | NA |



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.
- To install Ivanti Secure Access Client 9.1R8 or later on Pre Windows 10 platforms, it is a prerequisite to install the Microsoft update [KB2999226](#). For more information, refer [KB44575](#).

Smart Card and Soft Token Compatibility

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

- Windows 11
- Windows 10
- Windows 8.1 Enterprise
- macOS Ventura 13.0
- macOS Monterey 12.4
- macOS Big Sur 11.6

| 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.

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

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.

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 being 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/install 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 s | 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 |

- 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

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. Also, Ivanti Policy Secure IPsec enforcement in Ivanti Connect Secure (TLS) tunnels is supported.

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 |

| Ivanti Connect Secure (Outer Tunnel Config) | | | | Ivanti Policy Secure (Inner Tunnel Support) | |
|---------------------------------------------|----------------------------|---------------------|--------------------------------|---------------------------------------------|-----------|
| Disabled | Tunnel Routes ¹ | Disabled | Disabled | Supported | Supported |
| 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.

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

- 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

- 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

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.](https://forums.ivanti.com/s/welcome-pulse-secure)