


SecureAuth compatibility guide


Updated November 17, 2020

This topic discusses the items supported for the latest version of SecureAuth products. Please contact support at support.secureauth.com for assistance or with any questions.

 SecureAuth is constantly adding support for new browsers and devices to the product. If you do not see the required OS or browser listed here, be sure to visit this document often to see if it has been added.

To get information about product deployment types and the supported Windows server operating systems for new installs and upgrades, see [SecureAuth product deployment guide](#).

Products and components

 SecureAuth IdP version 9.1: SecureAuth deprecated support on July 31, 2020.
SecureAuth IdP version 9.2: SecureAuth will deprecate support on December 31, 2020.

Operating Systems

Operating System Name	OS Version Support	Browser Support	Supported by SecureAuth® Identity Platform				Notes
			9.2.	9.3.	19.07.	20.06.	
			x	x	xx	xx	
Mac OS X 10.9 (Mavericks)	10.9.0 +	Safari, Chrome	Yes	Yes	Yes	Yes	For security reasons Mavericks versions less than 10.9.2 should not be used (see CVE-2014-1266 .)
Mac OS X 10.10 (Yosemite)	10.10.2	Safari, Chrome	Yes	Yes	Yes	Yes	
El Capitan	10.11	Safari, Chrome	Yes	Yes	Yes	Yes	
Windows 8	All	IE, Chrome, Firefox	Yes	Yes	Yes	Yes	
Windows 8.1	All	IE, Chrome, Firefox	Yes	Yes	Yes	Yes	
Windows 10	All	IE, Chrome, Firefox	Yes	Yes	Yes	Yes	
Windows Server 2016	All	IE, Chrome, Firefox	Yes	Yes	Yes	Yes	
Windows Server 2019	All	IE, Chrome, Firefox	No	No	Yes	Yes	19.07 customers must use v19.07.1+
Chrome OS (Chromebook & Chromebox)	Chrome OS 41 - 45	Chrome	Yes	Yes	Yes	Yes	At this time, SecureAuth only supports native X.509 v3 and Fingerprint workflows with Chrome OS – Java workflows are not supported
Chrome OS (Chromebook & Chromebox)	Chrome OS 46 - 54	Chrome	Yes	Yes	Yes	Yes	At this time, SecureAuth only supports native X.509 v3 and Fingerprint workflows with Chrome OS – Java workflows are not supported
Chrome OS (Chromebook & Chromebox)	Chrome OS 55	Chrome	Yes	Yes	Yes	Yes	At this time, SecureAuth only supports native X.509 v3 and Fingerprint workflows with Chrome OS – Java workflows are not supported

Components

Identity Platform Version	SecureAuth Connector Version	SecureAuth Agent
20.06	1.0.34	1.2.1
19.07.1	1.0.32	1.1.1
19.07	0.1.73	1.0.0.30

Browser for End User Login

Desktop Browser (IdP + Cert)	Version	Supported by SecureAuth Identity Platform			Notes
		9.2.x	9.3.x	19.07.xx	
Microsoft Internet Explorer	10+	Yes	Yes	Yes	
Microsoft Edge	41+	Yes	Yes	Yes	Certificate delivery not supported
Mozilla Firefox	31+	Yes	Yes	Yes	
Apple Safari	8+	Yes	Yes	Yes	
Google Chrome	40+	Yes*	Yes*	Yes	* Versions 47 and earlier will not work with 9.1.x or later. Version 39 and later running on OS X will not work with Java certificate delivery functionality

Desktop Browser (Identity Platform New Experience UI)	Version	Supported by SecureAuth Identity Platform
		20.06.xx
Microsoft Internet Explorer	11+	Yes
Microsoft Edge	83+	Yes
Microsoft Edge (Legacy)	44 and earlier	Not supported
Mozilla Firefox	83+	Yes
Apple Safari	77+	Yes
Google Chrome	13.1+	Yes

Java

Product Component	Version	Supported by SecureAuth Identity Platform				Notes
		9.2.	9.3.	19.07.	20.06.	
		x	x	xx	xx	
Java Certificate Applet	8	Yes	Yes	Yes	Yes	Google Chrome on OS X versions 39+ are not supported
JRE for RADIUS Server 1.0.1.10	8	No	No	No	Yes	
JRE for RADIUS Server 19.06 and later	8	Yes	Yes	Yes	Yes	JRE version 8 of AdoptOpenJDK



Refer to [SecureAuth IdP Java Troubleshooting](#) for more information

Directories

User Directory	Version	Supported by SecureAuth Identity Platform					
		9.2.x	9.3.x	19.07.xx (hybrid)*	19.07.xx (cloud)	20.06.xx (hybrid)*	20.06.xx (cloud)
Active Directory (AD)	2003 - 2016	Yes	Yes	Yes	Yes	Yes	Yes
LDAP v3	v3	Yes	Yes	Yes	No	Yes	Yes
AD-LDS	2008, 2012	Yes	Yes	Yes	No	Yes	No
Lotus Domino	v9	Yes	Yes	Yes	No	Yes	No
MS-SQL	2005 +	Yes	Yes	Yes	Yes	Yes	Yes
ODBC	All SecureAuth IdP Supported OS Platforms	Yes	Yes	Yes	No	Yes	No
ASPNETDB	.NET2 +	Yes	Yes	Yes	No	Yes	No
SecureAuth IdP Web Service (Multi-data Store)	SecureAuth IdP 7.5 +	Yes	Yes	Yes	No	Yes	No
Sun ONE (ODSEE)	11.1.1.5.0	Yes	Yes	Yes	No	Yes	No
Azure AD	2015	Yes	Yes	Yes	No	Yes	Yes
Oracle Database	11.2, 12.1	Yes	Yes	Yes	No	Yes	Yes
NetIQ eDirectory	8.8 SP8	Yes	Yes	Yes	No	Yes	Yes

* Not all directories are supported in the Identity Platform New Experience, but all are supported through the Classic Experience.

Identity Types

Accepted Identity Types	Version	SecureAuth Identity Platform Support			
		9.2.x	9.3.x	19.07.xx	20.06.xx
SecureAuth Web SSO Token	2.0 - 4.5	Yes	Yes	Yes	Yes
SAML	2.0	Yes	Yes	Yes	Yes
OpenID	2.0	Yes	Yes	Yes	Yes
Integrated Windows - NTLM / Kerberos	2003 - 2012R2	Yes	Yes	Yes	Yes
X.509 Certificate	X.509 v3	Yes	Yes	Yes	Yes
Common Access Card (CAC)	N/A	Yes	Yes	Yes	Yes
Personal Identity Verification (PIV) Card	N/A	Yes	Yes	Yes	Yes
Smartcard	N/A	Yes	Yes	Yes	Yes
Cisco ISE / pxGrid	1.3	Yes	Yes	Yes	Yes

SSO / Post-authentication Actions

Post-authentication Action	Version	Supported by SecureAuth Identity Platform				Notes
		9.2. x	9.3. x	19.07. xx	20.06. xx	
SAML	1.1, 2.0	Yes	Yes	Yes	Yes	1.1 support is limited
OpenID	2.0	Yes	Yes	Yes	Yes	
OpenID Connect (limited profile support)	1.0	Yes	Yes	Yes	Yes	
OpenID Connect (full profile support)	1.0	Yes	Yes	Yes	Yes	
WS-Federation	1.2, 1.3	Yes	Yes	Yes	Yes	
WS-Trust	1.2, 1.3	Yes	Yes	Yes	Yes	
Mobile	Supported iOS / Android Versions	Yes	Yes	Yes	Yes	The mobile app uses a browser for authentication, so multiple mobile apps can read the authentication cookie to enable SSO.
Web Token (FBA)	Supported Browsers	Yes	Yes	Yes	Yes	
X.509 Certificate (Java and Native)	SecureAuth CA	Yes	Yes	Yes	Yes	
OAuth	2.0	Yes	Yes	Yes	Yes	
Form-based	N/A	Yes	Yes	Yes	Yes	

Authenticate App

Android and iOS mobile devices:

	Android Mobile Device						iOS Mobile Device		
Authenticate App Version	5.x (Lollipop)	6.x (Marshmallow)	7.x (Nougat)	8.x (Oreo)	9.x (Pie)	10.x (Q)	iOS 11.x	iOS 12.x	iOS 13.x
19.12.xx	x	x	x	x	x	x	x	x	x
20.03.xx		x	x	x	x	x		x	x

Android and Apple paired watches, and Chromebook:

	Android Wear OS Paired Watch		Apple Series Paired Watch				Chromebook
Authenticate App Version	AW w1	AW w2	Apple Series 1	Apple Series 2	Apple Series 3	Apple Series 4	Chrome OS
19.12.xx	x	x	x (watchOS 4)	x (watchOS 4)	x (watchOS 4 and 5)	x (watchOS 4 and 5)	x (76.x.x.x)
20.03.xx	x	x	x (watchOS 4)	x (watchOS 4)	x (watchOS 4 and 5)	x (watchOS 4 and 5)	x (80.x.x.x)

SecureAuth RADIUS Server

Supported Servers	Supported Protocols	SecureAuth Identity Platform Adaptive Authentication IP Checking Feature
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<ul style="list-style-type: none"> Windows Server 2012 R2 Windows Server 2016 Windows Server 2019 	<ul style="list-style-type: none"> PAP PEAP (NetMoti on only) MS-CHAPv2 for Cisco and Netscaler 	<table border="1"> <thead> <tr> <th>Platform</th> <th>RADIUS end user IP</th> </tr> </thead> <tbody> <tr> <td>Cisco Systems</td> <td>Calling-Station-Id</td> </tr> <tr> <td>Citrix NetScaler</td> <td>Calling-Station-Id</td> </tr> <tr> <td>Juniper Networks</td> <td>Tunnel-Client-Endpoint</td> </tr> <tr> <td>Palo Alto Networks</td> <td>Palo Alto-Client-Source-IP</td> </tr> </tbody> </table>	Platform	RADIUS end user IP	Cisco Systems	Calling-Station-Id	Citrix NetScaler	Calling-Station-Id	Juniper Networks	Tunnel-Client-Endpoint	Palo Alto Networks	Palo Alto-Client-Source-IP
		Platform	RADIUS end user IP									
		Cisco Systems	Calling-Station-Id									
		Citrix NetScaler	Calling-Station-Id									
Juniper Networks	Tunnel-Client-Endpoint											
Palo Alto Networks	Palo Alto-Client-Source-IP											

Port Settings

Inbound:

- Allow RADIUS Listener – Default is UDP port 1812.
- Block TCP port 8088 – This port is used for the administrative web interface and should be blocked for security reasons.

RADIUS VPN and Product Support

The following basic connectivity parameters must be configured on RADIUS clients to be used with the Identity Platform:

- RADIUS server IP address
- Shared secret to use between the RADIUS server and RADIUS clients
- Port 1812 to use for RADIUS authentication requests
- Timeout value Retries value
- Connection profile that will use the SecureAuth RADIUS authentication serverGroup policy of the connection profile to identify resources end users can access once logged on the network

A valid certificate must be installed if using NetMotion Wireless VPN.

The following is a sample RADIUS authentication server configuration:

Add Server Dialog	SecureAuth Identity Platform RADIUS Server Information	Notes
Name	RADIUS Server friendly description name	This configuration enables the administrator to control static IP assignment of the VPN client via SecureAuth Identity Platform and the RADIUS server.

RADIUS Server	IP Address or Name of the RADIUS Server	NOTE: SecureAuth IdP RADIUS server v19.06 or later can be configured to pass an IP address to the VPN for static IP assignment to the VPN client (for example: PC or Mac). See SecureAuth IdP RADIUS Server Static IP Address Configuration Guide for steps.
Authentication Port	1812	
Shared Secret	SecureAuth RADIUS Shared Secret	
Timeout	60 Seconds (recommended)	
Retries	3 (recommended)	

Login Devices

YubiKey Products	Supported by SecureAuth® Identity Platform			
	9.2.x	9.3.x	19.07.xx	20.06.xx
YubiKey 5	Yes	Yes	Yes	Yes
YubiKey 5 Nano	Yes	Yes	Yes	Yes
YubiKey 4	Yes	Yes	Yes	Yes
YubiKey 4 Nano	Yes	Yes	Yes	Yes
YubiKey Neo	Yes	Yes	Yes	Yes
YubiKey Neo-N	Yes	Yes	Yes	Yes
YubiKey Edge / YubiKey Edge-N	Yes	Yes	Yes	Yes
YubiKey Standard / YubiKey Nano	Yes	Yes	Yes	Yes

Tested FIDO2 devices

SecureAuth Identity Platform version 20.06.xx supports the following FIDO2 devices; however, any WebAuthn-compliant device should work for enrollment and authentication on supported browsers.

FIDO2 Device	Type	Login Device	Browser	Notes
Windows Hello OS	PIN	Windows desktop, laptop	Google Chrome Mozilla Firefox Microsoft Edge	
Windows Hello OS	Fingerprint	Windows desktop, laptop	Google Chrome Mozilla Firefox Microsoft Edge	
Android OS	PIN	Android mobile	Google Chrome Mozilla Firefox	
Android OS	Fingerprint	Android mobile	Google Chrome Mozilla Firefox	
Mac OS	Password	Mac desktop, laptop	Google Chrome	
Mac OS	Fingerprint	Mac desktop, laptop	Google Chrome	
Google Titan Security Key	NFC	Windows desktop, laptop Android mobile	Google Chrome Mozilla Firefox Microsoft Edge*	*Supported on Windows desktop / laptop only
Google Titan Security Key	USB	Windows desktop, laptop Android mobile	Google Chrome Mozilla Firefox Microsoft Edge*	*Supported on Windows desktop / laptop only
Google Titan Security Key	Bluetooth	Windows desktop, laptop Android mobile	Google Chrome Mozilla Firefox Microsoft Edge*	*Supported on Windows desktop / laptop only
YubiKey 5	USB	Windows desktop, laptop Mac desktop, laptop Android mobile	Google Chrome Mozilla Firefox Microsoft Edge* Apple Safari*	*Supported on Windows desktop / laptop only
YubiKey 5	NFC	Android mobile	Google Chrome Mozilla Firefox	

