

AnyConnect Mobile Platforms and Feature Guide

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AnyConnect Mobile Platforms and Features

Android Supported Devices

Full support for [AnyConnect on Android](#) is provided on devices running Android 4.0 (Ice Cream Sandwich) through the latest release of Android.

[AnyConnect on Kindle](#) is available from Amazon for the Kindle Fire HD devices, and the New Kindle Fire. AnyConnect for Kindle is equivalent in functionality to the AnyConnect for Android package.

Per-App VPN is supported in managed and unmanaged environments. In a managed environment using Samsung KNOX MDM, Samsung devices running Android 4.3 or later with Samsung Knox 2.0, are required. When using Per App in an unmanaged environment, the generic Android methods are used.

For the Network Visibility Module (NVM) capabilities, Samsung devices that are running Samsung Knox 2.8 or later (including 3.2), which requires Android 7.0 or later, are required. For configuration of NVM, the AnyConnect Profile Editor from AnyConnect 4.4.3 or later is also required. Earlier releases do not support mobile NVM configurations.

Apple iOS Supported Devices

AnyConnect 4.10 is available on all iPhones, iPads, and iPod Touch devices running Apple iOS 10.3 and later.

If a device does not support Apple iOS 10.3 or later, only **Legacy AnyConnect 4.0.05x**, available on all iPhones, iPads, and iPod Touch devices running Apple iOS 6.0 and later, can be used. Per App tunneling in Legacy AnyConnect requires Apple iOS 8.3 or later.

AnyConnect
on the iPod
Touch
Nappears
o and
t operates as
e on the
iPhone.

Google Chrome OS Supported Devices

[AnyConnect on Google Chromebook](#) requires Chrome OS 43 or later. Stability and feature enhancements are available in Chrome OS 45.

AnyConnect on Google Chromebook cannot be used from a standalone Chrome browser on another platform.

For all current Chromebooks, AnyConnect for Android is officially supported and strongly recommended for the optimal experience on ChromeOS. The native ChromeOS client is intended only for legacy Chromebooks incapable of running Android applications.

Universal Windows Platform Supported Devices

[AnyConnect on Universal Windows Platform](#) supports all UWP compatible devices including desktop.

AnyConnect Mobile Platforms Feature Matrix

Category: Feature	Android	Apple iOS	Chrome	Universal Windows Platform
Deployment and Configuration:				
Install or upgrade from application store.	Yes	Yes	Yes	Yes
Cisco VPN Profile support (manual import)	Yes	Yes	Yes	No
Cisco VPN Profile support (import on connect)	Yes	Yes	Yes	No
MDM- configured connection	Yes	Yes	Yes	Yes

entries				
User-configured connection entries	Yes	Yes	Yes	Yes
Tunneling:				
TLS	Yes	Yes	Yes	Yes
Datagram TLS (DTLS)	Yes	Yes	Yes	No
DTLS v1.2		Yes		
IPsec IKEv2 NAT-T	Yes	Yes	Yes	No
IKEv2 - raw ESP	Yes	No	No	No
Suite B (IPsec only)	Yes	Yes	No	No
TLS compression	Yes	Yes, 32-bit devices only	No	No
Dead peer detection	Yes	Yes	Yes	No
Tunnel keepalive	Yes	Yes	Yes	No
Multiple active network interfaces	No	No	No	No
Per-App Tunneling	Yes, Android 5.0+ or Samsung Knox	Yes, requires Cisco AnyConnect 4.0.09xxx and iOS 10.3 or later.	No	Yes, by MDM provisioning only
Per-App Tunneling (Disallowed Apps Mode)	Yes	No	No	No
Multiple tunnel	No	Yes, with MDM configuration	No	No
Full tunnel (OS may make exceptions on some traffic, such as traffic to the app store).	Yes	Yes	Yes	Yes
Split tunnel (split include).	Yes	Yes	Yes	Yes
Local LAN (split exclude).	No	Yes	Yes	No
Split-DNS	Yes, works with split include.	Yes	No	Yes
Auto Reconnect / Network Roaming	Yes, regardless of the Auto Reconnect profile specification, AnyConnect Mobile always	Yes	Yes, requires Chrome OS 51 or later	Yes, if user remains on the same network

	attempts to maintain the VPN as users move between 3G and WiFi networks.		and AnyConnect 4.0.0113 or later.	and the network connection has not terminated.
VPN on-demand (triggered by destination)	No	Yes, compatible with Apple iOS Connect on Demand.	No	Yes
VPN on-demand (triggered by application)	No	Yes, when operating in Per-App VPN mode only.	No	No
Rekey	Yes	Yes	Yes	No
IPv4 public transport	Yes	Yes	Yes	Yes
IPv6 public transport	Yes, requires Android 5.0 or later.	Yes	No	Yes
IPv4 over IPv4 tunnel	Yes	Yes	Yes	Yes
IPv6 over IPv4 tunnel	Yes	Yes	No	Yes
IPv6 over IPv4 tunnel	Yes	Yes	No	Yes
IPv6 over IPv6 tunnel	Yes	Yes	No	Yes
Default domain	Yes	Yes	Yes	Yes
DNS server configuration	Yes	Yes	Yes	Yes
Private-side proxy support	Direct proxy support on Android 10+. PAC proxy support on Android 11+. See note below.	Yes	Yes, using ASA configured proxy PAC URL	Yes, limited support
Proxy Exceptions	No	Yes, but wildcard specifications not supported	No	No
Public-side proxy support	No	No	No	No
Pre-login banner	Yes	Yes	Yes	Yes
Post-login banner	Yes	Yes	Yes	Yes
DSCP Preservation	Yes	No	No	No
Connecting and Disconnecting:				
VPN load balancing	Yes	Yes	Yes	Yes

Backup server list	Yes	Yes	Yes	No
Optimal Gateway Selection	No	No	No	No
Authentication :				
Biometric protection of client certificate	Yes	Yes	No	No
SAML 2.0	Yes	Yes	Yes	No
Client Certificate Authentication (RSA)	Yes	Yes	Yes	Yes
Client Certificate Authentication (ECDSA)	Yes	Yes	Yes	Yes
SAML + Client Certificate Requests	Yes	Yes	No	No
Certificate Revocation Checking	Online Certificate Status Protocol (OCSP)	either OCSP or CRL (Certificate Revocation List), depending on iOS version	No	No
Manual user certificate management	Yes	Yes	Yes, using Chrome device capabilities	Yes
Manual server certificate management	Yes	Yes	Yes	Yes
SCEP legacy enrollment: Deprecated	No	No	No	No
SCEP proxy enrollment Please confirm for your platform.	Yes	Yes	No	No
Automatic certificate selection	Yes	Yes	No	Yes
Manual certificate selection	Yes	Yes	Yes	No
Smart card support	No	No	No	No

Username and password	Yes	Yes	Yes	Yes
Tokens/challenge	Yes	Yes	Yes	Yes
Double authentication	Yes	Yes	Yes	Yes
Group URL (specified in server address)	Yes	Yes	Yes	Yes
Group selection (drop-down selection)	Yes	Yes	Yes	Yes
Credential prefill from user certificate	Yes	Yes	Yes	Yes
Save password	No	No	No	No
Umbrella User Identities	Yes	No	No	No
User interface:				
Standalone GUI	Yes	Yes	Yes, limited functions	Yes, limited functions.
Native OS GUI	No	Yes, limited functions	Yes, limited functions	Yes
API / URI Handler (see below)	Yes	Yes	No	No
UI customization	No	No	No	No
UI localization	Yes, app contains pre-packaged languages.	Yes, app contains pre-packaged languages.	No	No
User preferences	Yes	Yes	Yes	Partial
AnyConnect specific status icon	Optional	No	No	No
Dark mode	No	Yes	No	No
Mobile Posture: (AnyConnect Identity Extensions, ACIDex)				
Serial number or unique ID check	Yes	Yes	No	No
OS and AnyConnect version shared with headend	Yes	Yes	Yes	Yes

Siri support	No	Yes	No	No
AnyConnect Network Visibility Module support	Yes, with specific Samsung Knox and MDM requirements.	No	No	No
Ability to restrict the exporting of NVM flows	Yes	No	No	No
Ability to securely send data to the collector over DTLS	Yes	No	No	No
URI Handling:				
QR code scanning	Yes	No	No	No
Add connection entry	Yes	Yes	No	No
Connect to a VPN	Yes	Yes	No	No
Credential pre-fill on connect	Yes	Yes	No	No
Disconnect VPN	Yes	Yes	No	No
Import certificate	Yes	Yes	No	No
Import localization data	Yes	Yes	No	No
Import XML client profile	Yes	Yes	No	No
External (user) control of URI commands	Yes	Yes	No	No
Reporting and Troubleshooting:				
Statistics	Yes	Yes	Yes	No
Logging / Diagnostic Information (DART)	Yes	Yes	Yes	Yes, Field Medic app required
Certifications:				
FIPS 140-2 Level 1	Yes	Yes	No	No

Before
 deploying a
 PAC proxy
 configuration
 for
 AnyConnect

Secure
Mobility
Client on
Android,
please
ensure that
your
applications
are
compatible
with PAC
proxy.

AnyConnect Mobile Related Documentation

For more information refer to the following documentation:

- [AnyConnect Release Notes](#)
- [AnyConnect Administrator Guides](#)
- [Cisco Secure Firewall ASA Documentation Landing Page](#)

Additional information on using VPN connections with Apple iOS devices is available from Apple:

- <https://developer.apple.com/library/ios/search/?q=vpn+server+configuration>
- <https://support.apple.com/guide/deployment/vpn-settings-overview-dep2d2adb35d>