

Cisco AnyConnect Secure Mobility Client Supported Features for Apple iOS Devices

Objective

The Cisco AnyConnect Secure Mobility Client, also known as the Cisco AnyConnect VPN Client, is a software application for connecting to a Virtual Private Network (VPN) that works on various operating systems and hardware configurations. This software application makes it possible for remote resources of another network become accessible as if the user is directly connected to the network, but in a secure way. Cisco AnyConnect Secure Mobility Client provides an innovative new way to protect mobile users on computer-based or smart-phone platforms, providing a more seamless, always-protected experience for end users and comprehensive policy enforcement for an IT administrator.

The objective of this document is to show the feature matrix of the Cisco AnyConnect Secure Mobility Client for Apple iOS devices.

Software Version

4.4

Apple iOS AnyConnect Feature Matrix

Deployment and Configuration

Install or upgrade from Application Store	Yes
Cisco VPN Profile support (manual import)	Yes
Cisco VPN Profile support (import on connect)	Yes
Mobile Device Management (MDM) configured connection entries	Yes
User-configured connection entries	Yes

Tunneling

Transport Layer Security (TLS)	Yes
Datagram TLS (DTLS)	Yes
Internet Protocol Security Internet Key Exchange version 2 Network Address Translator Traversal (IPsec IKEv2 NAT-T)	Yes
IKEv2 - raw Encapsulating Security Payload	No

(ESP)	
Suite B (IPsec only)	Yes
TLS compression	Yes, 32-bit devices only
Dead peer detection	Yes
Tunnel keepalive	Yes
Multiple active network interfaces	No
Per App Tunneling (requires Plus or Apex license and ASA 9.4.2 or later)	Yes, Beta support only, requires Apple iOS 8.3 or later and MDM.
Full tunnel (OS may make exceptions on some traffic, such as traffic to the app store)	Yes
Split tunnel (split include)	Yes
Local LAN (split exclude)	Yes
Split-DNS	Yes
Auto Reconnect / Network Roaming	Yes
VPN on-demand (triggered by destination)	Yes, compatible with Apple iOS Connect on Demand.
VPN on-demand (triggered by application)	Yes, when operating in Per App VPN mode only.
Rekey	Yes
IPv4 public transport	Yes
IPv6 public transport	Yes
IPv4 over IPv4 tunnel	Yes
IPv6 over IPv4 tunnel	Yes
Default domain	Yes
DNS server configuration	Yes
Private-side proxy support	Yes
Proxy Exceptions	Yes, but wildcard specifications not supported
Public-side proxy support	No
Pre-login banner	Yes
Post-login banner	Yes
Differentiated Services Code Point (DSCP) Preservation	No

Connecting and Disconnecting

VPN load balancing	Yes
Backup server list	Yes
Optimal Gateway Selection	No

Authentication

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Client Certificate Authentication	Yes
Manual user certificate management	Yes
Manual server certificate management	Yes
SCEP legacy enrollment Please confirm for your platform.	Yes
SCEP proxy enrollment Please confirm for your platform.	Yes
Automatic certificate selection	Yes
Manual certificate selection	Yes
Smart card support	No
Username and password	Yes
Tokens or challenge	Yes
Double authentication	Yes
Group Uniform Resource Locator (URL) (specified in server address)	Yes
Group selection (drop-down selection)	Yes
Credential prefill from user certificate	Yes
Save password	No

User Interface

Standalone Graphical User Interface (GUI)	Yes
Native Operating System OS GUI	Yes, limited functions
Application Program Interface (API) / Uniform Resource Identifier (URI) Handler (See URI Handling)	Yes
UI customization	No
UI localization	Yes, app contains pre-packaged languages.
User preferences	Yes
Home screen widgets for one-click VPN access	No
AnyConnect specific status icon	No

Mobile Posture

Serial number or unique ID check	Yes
OS and AnyConnect version shared with headend	Yes

URI Handling

Add connection entry	Yes
Connect to a VPN	Yes
Credential pre-fill on connect	Yes
Disconnect VPN	Yes
Import certificate	Yes
Import localization data	Yes
Import Extensible Markup Language XML client profile	Yes
External (user) control of URI commands	Yes

Reporting and Troubleshooting

Statistics	Yes
Logging / Diagnostic Information (DART)	Yes

Certifications

FIPS 140-2 Level 1	Yes

For the most updated information on AnyConnect licensing on the RV340 series routers, check out the article [AnyConnect Licensing for the RV340 Series Routers](#).