

Cisco AnyConnect Secure Mobility Client Supported Features for Android 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 features matrix of the Cisco AnyConnect Secure Mobility Client for Android devices.

Software Version

- 4.4

Android 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 | Yes |

| | |
|--|---|
| Translator Traversal (IPsec IKEv2 NAT-T) | |
| IKEv2 - raw Encapsulating Security Payload (ESP) | No |
| Suite B (IPsec only) | Yes |
| TLS compression | Yes |
| 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, Android 5.0+ or Samsung Knox |
| Full tunnel (OS may make exceptions on some traffic, such as traffic to the app store) | Yes |
| Split tunnel (split include) | Yes |
| Local Area Network (LAN) (split exclude) | No |
| Split- Domain Name System (DNS) | Yes, will work with split include. |
| Auto Reconnect / Network Roaming | Yes, regardless of the Auto Reconnect profile specification, AnyConnect Mobile always attempts to maintain the VPN as users move between 3G and Wi-Fi networks. |
| VPN on-demand (triggered by destination) | No |
| VPN on-demand (triggered by application) | No |
| Rekey | Yes |
| IPv4 public transport | Yes |
| IPv6 public transport | Yes, requires Android 5.0 or later |
| IPv4 over IPv4 tunnel | Yes |
| IPv6 over IPv4 tunnel | Yes |
| Default domain | Yes |
| DNS server configuration | Yes |
| Private-side proxy support | No, Wi-Fi proxies are disabled when the VPN is established. |
| Proxy Exceptions | No |
| Public-side proxy support | No |
| Pre-login banner | Yes |
| Post-login banner | Yes |
| Differentiated Services Code Point (DSCP) Preservation | Yes |

Connecting and Disconnecting

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

Authentication

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|---|-----|
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| Client Certificate Authentication | Yes |
| Online Certificate Status Protocol (OCSP) | Yes |
| Manual user certificate management | Yes |
| Manual server certificate management | Yes |
| Simple Certificate Enrollment Protocol (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

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|---|-----|
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| Standalone Graphical User Interface (GUI) | Yes |
| Native Operating System OS GUI | No |
| 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 | Yes |
| AnyConnect specific status icon | Optional |

Mobile Posture

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

URI Handling

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|--|-----|
| | |
| 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

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| Statistics | Yes |
| Logging / Diagnostic Information (DART) | Yes |

Certifications

| | |
|--------------------|-----|
| | |
| FIPS 140-2 Level 1 | Yes |

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