AnyConnect Secure Mobility Client Features, Licenses, and OSs, Release 3.0

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This document identifies the AnyConnect Release 3.0 features, license requirements, and endpoint OSs each feature supports.

The Cisco Secure Remote Access: VPN Licensing Overview provides brief descriptions of the AnyConnect license options and example SKUs. Use that resource for a simple description of each license offering.

An AnyConnect Essentials or AnyConnect Premium SSL VPN Edition license requires activation on a Cisco adaptive security appliance (ASA) running 8.0(x) or later. An AnyConnect Secure Mobility license requires activation on a Cisco IronPort Web Security Appliance (WSA) running 7.0 or later.

Table 1 lists the basic features supported by an AnyConnect Essentials license, and the VPN endpoint OSs the features support. An AnyConnect Premium SSL VPN Edition license also supports the basic features. You can activate either license, but you cannot activate both licenses together.

Table 1 *Basic Features Supported by AnyConnect Essentials and Premium Licenses*

Client Feature	OSs Supported[1]
WebLaunch deployment.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Manual (standalone) endpoint installation.	Windows 7, Vista, and XP
Remote Desktop Protocol (RDP) session to establish an AnyConnect session.	Windows

Table 1   *Basic Features Supported by AnyConnect Essentials and Premium Licenses*

Client Feature	OSs Supported[1]
Datagram Transport Layer Security (DTLS) with SSL access to VPN.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Compression for TLS—Increases the communications performance between the security appliance and the client.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Fallback from DTLS to TLS if DTLS fails.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
PPP exclusion route for AnyConnect over L2TP or PPTP.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Start script on connect and another on disconnect.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Certificate-only authentication.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Machine certificate authentication for standalone mode.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
RSA SecurID integration.	Windows 7, Vista, and XP
RSA SecurID Software Token Client Software 1.1 or later support (single token only).	Windows 7, Vista, and XP

Table 1   *Basic Features Supported by AnyConnect Essentials and Premium Licenses*

Client Feature	OSs Supported[1]
Smartcard support.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
Simple Certificate Enrollment Protocol (SCEP) to provision and renew a certificate used for client authentication.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
	Windows Mobile
List valid certificates for users to select to authenticate the VPN session.	Windows 7, Vista, and XP
Certificate store and certificate store override.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Dynamic access policies for multiple group membership and endpoint security. **Note**: Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Quarantine—The use of AAA attributes and dynamic access policies to isolate a VPN session.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Graphical and CLI user interfaces.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Minimize on connect.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
	Windows Mobile
Split tunneling to permit the endpoint to send some traffic in the clear **Note**: Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP

Table 1   Basic Features Supported by AnyConnect Essentials and Premium Licenses

Client Feature	OSs Supported[1]
In-the-clear DNS queries with split tunneling enabled.	Windows 7, Vista, and XP
Ignore Proxy—Bypass Internet Explorer proxy configuration on endpoint. **Note**: Requires ASA 8.3(1) or later.	Windows 7, Vista, and XP
Mac OS Safari Proxy. **Note**: Requires ASA 8.3(1) or later.	Mac OS 10.5, 10.6 and 10.7
Proxy auto-configuration file generation for browser-based support.	Windows 7, Vista, and XP
Internet Explorer Connections tab lockdown.	Windows 7, Vista, and XP
IPv6 VPN access—Allows access to IPv6 resources over a public IPv4 connection.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Local LAN access.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Tethered device access (phone synchronization) via client firewall rules.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Local printer access via client firewall rules.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Trusted network detection (TND).	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7
Captive portal (hotspot) detection.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7
Session resume.	Windows 7, Vista, and XP
Optimal gateway selection.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7
Start before logon (SBL).	Windows 7, Vista, and XP

Table 1 **Basic Features Supported by AnyConnect Essentials and Premium Licenses**

Client Feature	OSs Supported[1]
Auto connect on start.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
	Windows Mobile
Auto reconnect.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
Resume session after loss of connectivity.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Auto update AnyConnect. **Note**: Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Auto update AnyConnect profile. **Note**: Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x
Logon enforcement to terminate the VPN session if a second user logs onto Windows.	Windows 7, Vista, and XP
Permit or deny a user who is remotely logged onto a PC to use it to establish a VPN session.	Windows 7, Vista, and XP
Retain VPN session if the user logs off Windows and whether to disconnect the VPN session if a different, local user logs onto Windows.	Windows 7, Vista, and XP
Diagnostic AnyConnect Reporting Tool (DART).	Windows 7, Vista, and XP
Federal Information Processing Standard (FIPS) security.	Windows 7, Vista, and XP
	Mac OS 10.5, 10.6 and 10.7
	Red Hat Enterprise Linux 5 Desktop
	Ubuntu 9.x

1. For Red Hat Enterprise Linux 5 Desktop and Ubuntu 9.x requirements, see the Release Notes for Cisco AnyConnect Secure Mobility Client, Release 2.3.

Table 2 lists the advanced features, network and license requirements, and supported VPN endpoints.

Table 2   Advanced AnyConnect Features

Client Feature	Requirements	OSs Supported
Browser-based (clientless) VPN access.	AnyConnect Premium SSL VPN Edition license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Simultaneous AnyConnect client and browser-based (client) connections. Each connection has its own tunnel.	Both of the following: • ASA 8.0(x) or later • AnyConnect Premium SSL VPN Edition license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
SSL VPN support for touch-screen devices running Windows Mobile.	Both of the following: • AnyConnect Mobile license • AnyConnect Essentials or Premium license	Windows Mobile OS touch-screen devices. For the supported device list, see the Release Notes for Cisco AnyConnect Secure Mobility Client, Release 3.0.
Endpoint assessment.	All of the following: • ASA 8.0(x) or later • Cisco Secure Desktop Host Scan • AnyConnect Premium SSL VPN Edition license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Endpoint remediation.	All of the following: • ASA 8.0(x) or later • Cisco Secure Desktop Host Scan • AnyConnect Premium SSL VPN Edition license • Advanced Endpoint Assessment license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x

Table 2 **Advanced AnyConnect Features**

Client Feature	Requirements	OSs Supported
Post log-in always-on VPN and the following associated features: • Connect failure policy. • Captive portal hotspot remediation to relax a connect failure closed policy to let the user satisfy hotspot requirements for network access. • Exempt certain VPN users from an always-on VPN deployment. **Note**: Requires ASA 8.3(1) to exempt users.	Either of the following: • AnyConnect Premium SSL VPN Edition license • AnyConnect Essentials or Premium license, and Cisco IronPort Web Securitylicense coupled with a Secure Mobility license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7
Web security—Enforces acceptable use policies to protect endpoints from websites found to be unsafe. This feature also uses SSO to automate user access to the WSA, and supports the generation of remote user access reports.	All of the following: • ASA 8.3(1) or later • WSA 7.0 or later • AnyConnect Essentials or Premium license • Cisco IronPort Web Security license • Secure Mobility license	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile
Quarantine.	All of the following: • ASA 8.0(x) or later. **Note**: Showing quarantine status and terminate messages requires ASA 8.3(1) or later. • AnyConnect Premium SSL VPN Edition license.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7

Table 3 lists the AnyConnect Profile editor API, and customization options; and the supporting OSs.

Table 3 **AnyConnect Administrator Tools and OSs**

AnyConnect Tool	OSs Supported
AnyConnect profile editor. **Note**: Requires ASDM 6.3(1) or later.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Application Programming Interface (API) to create your own graphical user interface and automate a VPN connection with the AnyConnect client from another application.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7 Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x

Table 3 **AnyConnect Administrator Tools and OSs**

AnyConnect Tool	OSs Supported
Microsoft Component Object Module (COM) to permit interaction with other applications.	Windows 7, XP, and Vista
Language Translation (localization) of user messages that appear on the client user interface. **Note**: Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7
Extended customization and localization features: • Localized installs using localized MSI transforms (Windows only). • Custom MSI transforms (Windows only). • User-defined resource files. • Third-party GUI/CLI support. • Localization for Mac OS X.	Windows 7, Vista, and XP Mac OS 10.5, 10.6 and 10.7