



# AnyConnect Secure Mobility Client Features, Licenses, and OSs, Release 2.5

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This document identifies the AnyConnect Release 2.5 features, license requirements, and endpoint OSs that each feature supports. It also shows a progressive chart of the licenses available and the features they support.

AnyConnect requires an AnyConnect Essentials license or an AnyConnect Premium SSL VPN Edition license to specify the maximum number of remote access sessions supported at a time. Either license supports the features in [Table 1](#).

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

Client Feature	OSs Supported <sup>1</sup>
WebLaunch deployment.	Windows 7, Vista, and XP Mac OS X (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 Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile
Remote Desktop Protocol (RDP) session to establish an AnyConnect session.	Windows



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

<b>Client Feature</b>	<b>OSs Supported<sup>1</sup></b>
Datagram Transport Layer Security (DTLS) with SSL access to VPN.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile
Compression for TLS—Increases the communications performance between the security appliance and the client.	Windows 7, Vista, and XP Mac OS X (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 X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile
PPP exclusion route for AnyConnect over L2TP or PPTP.	Windows 7, Vista, and XP Mac OS X (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 X (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 X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile

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

<b>Client Feature</b>	<b>OSs Supported<sup>1</sup></b>
Machine certificate authentication for standalone mode.	Windows 7, Vista, and XP Mac OS X (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
Smartcard support.	Windows 7, Vista, and XP Mac OS X (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 X (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 X (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. <b>Note:</b> Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP Mac OS X (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. <b>Note:</b> Requires ASA 8.0(x) or later. Showing quarantine status and terminate user messages requires ASA 8.3(1) or later.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x

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

<b>Client Feature</b>	<b>OSs Supported<sup>1</sup></b>
Graphical and CLI user interfaces.	Windows 7, Vista, and XP Mac OS X (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 X (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 <b>Note:</b> Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP
In-the-clear DNS queries with split tunneling enabled.	Windows 7, Vista, and XP
Ignore Proxy—Bypass Internet Explorer proxy configuration on endpoint. <b>Note:</b> Requires ASA 8.3(1) or later.	Windows 7, Vista, and XP
Mac OS X Safari Proxy. <b>Note:</b> Requires ASA 8.3(1) or later.	Mac OS X (10.5, 10.6, and 10.7)
Proxy auto-configuration file generation for browser-based (clientless) 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 X (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 X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Tethered device support (phone synchronization).	Windows 7, Vista, and XP
Local printer access through endpoint firewall rules.	Windows 7, Vista, and XP

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

<b>Client Feature</b>	<b>OSs Supported<sup>1</sup></b>
Trusted network detection (TND).	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)
Captive portal (hotspot) detection.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)
Session resume.	Windows 7, Vista, and XP
Optimal gateway selection.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)
Start before logon (SBL).	Windows 7, Vista, and XP
Auto connect on start.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile
Network roaming, also called auto reconnect.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Windows Mobile
Resume session after loss of connectivity.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Auto update AnyConnect. <b>Note:</b> Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x

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

Client Feature	OSs Supported <sup>1</sup>
Auto update AnyConnect profile. <b>Note:</b> Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP Mac OS X (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 X (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 2.5](#).

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

**Table 2 Advanced AnyConnect Features**

Client Feature	Requirements	OSs Supported
<i>Clientless access</i> lets you use a browser to establish a VPN session and lets specific applications use the browser to access that session.	AnyConnect Premium SSL VPN Edition license	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
Simultaneous AnyConnect client and clientless connections. Each connection has its own tunnel.	Both of the following: <ul style="list-style-type: none"> <li>ASA 8.0(x) or later</li> <li>AnyConnect Premium SSL VPN Edition license</li> </ul>	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x

**Table 2      Advanced AnyConnect Features**

<b>Client Feature</b>	<b>Requirements</b>	<b>OSs Supported</b>
SSL VPN support for touch-screen devices running Windows Mobile.	Both of the following: <ul style="list-style-type: none"> <li>AnyConnect Mobile license</li> <li>AnyConnect Essentials or AnyConnect Premium SSL VPN Edition license</li> </ul>	Windows Mobile OS touch-screen devices. For the supported device list, see the <a href="#">Release Notes for Cisco AnyConnect Secure Mobility Client, Release 2.5</a> .
<i>Endpoint assessment for laptops and desktops</i> ensures that your choice of antivirus software versions, antispyware versions, associated update definitions, firewall software versions, and corporate property verification checks comply with policies to qualify a session to be granted access to the VPN.	All of the following: <ul style="list-style-type: none"> <li>ASA 8.0(x) or later</li> <li>Cisco Secure Desktop <a href="#">Host Scan</a></li> <li>AnyConnect Premium SSL VPN Edition license</li> </ul>	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
<i>Endpoint assessment for Windows Mobile</i> supports the <a href="#">configuration of dynamic access policies</a> that check for the following: <ul style="list-style-type: none"> <li>OS version</li> <li>Device lock</li> <li>Device policy for secondary storage encryption and password strength</li> <li>SIM lock</li> <li>GPS</li> <li>Application policy</li> <li>Bluetooth</li> <li>ARM microprocessor</li> </ul>	All of the following: <ul style="list-style-type: none"> <li>ASA 8.0(x) or later</li> <li>Cisco Secure Desktop 3.5 <a href="#">Host Scan</a></li> <li>AnyConnect Premium SSL VPN Edition license</li> <li>Advanced Endpoint Assessment license</li> <li>Cisco Secure Mobility license</li> </ul>	Windows Mobile
<i>Endpoint remediation</i> attempts to resolve endpoint failures to satisfy corporate requirements for antivirus, antispyware, firewall software, and definitions file requirements	All of the following: <ul style="list-style-type: none"> <li>ASA 8.0(x) or later</li> <li>Cisco Secure Desktop <a href="#">Host Scan</a></li> <li>AnyConnect Premium SSL VPN Edition license</li> <li>Advanced Endpoint Assessment license</li> </ul>	Windows 7, Vista, and XP Mac OS X (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
<p><i>Post Log-in Always-on VPN</i> establishes a VPN session automatically after the user logs in to a computer. It includes the following features:</p> <ul style="list-style-type: none"> <li>• Connect failure policy.</li> <li>• Captive portal hotspot remediation to relax a connect failure closed policy to let the user satisfy hotspot requirements for network access.</li> <li>• Exemption of certain VPN users from an always-on VPN deployment. <b>Note:</b> Requires ASA 8.3(1) to exempt users.</li> </ul>	<p>Either of the following:</p> <ul style="list-style-type: none"> <li>• AnyConnect Premium SSL VPN Edition license</li> <li>• AnyConnect Essentials or AnyConnect Premium SSL VPN Edition license, and Cisco IronPort Web Security license coupled with a Cisco Secure Mobility license</li> </ul>	<p>Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)</p>
<p>Malware defense, acceptable use policy enforcement and data leakage prevention for the web</p>	<p>All of the following:</p> <ul style="list-style-type: none"> <li>• ASA 8.3(1) or later</li> <li>• WSA 7.0 or later</li> <li>• AnyConnect Essentials or AnyConnect Premium SSL VPN Edition license</li> <li>• Cisco IronPort Web Security license</li> <li>• Cisco Secure Mobility license</li> </ul>	<p>Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile</p>
<p><i>Business continuity</i> increases the number of licensed remote access VPN sessions to prepare for temporary spikes in usage during cataclysmic events such as pandemics.</p>	<p>Both of the following:</p> <ul style="list-style-type: none"> <li>• AnyConnect Premium SSL VPN Edition license</li> <li>• Flex license. Each flex license is ASA-specific and provides support for sixty days. The count can consist of both contiguous and noncontiguous days.</li> </ul>	<p>Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x Windows Mobile</p>




























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. <b>Note:</b> Requires ASDM 6.3(1) or later.	Windows 7, Vista, and XP Mac OS X (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 X (10.5, 10.6, and 10.7) Red Hat Enterprise Linux 5 Desktop Ubuntu 9.x
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. <b>Note:</b> Requires ASA 8.0(x) or later.	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)
Extended customization and localization features: <ul style="list-style-type: none"> <li>Localized installs using localized MSI transforms (Windows only).</li> <li>Custom MSI transforms (Windows only).</li> <li>User-defined resource files.</li> <li>Third-party GUI/CLI support.</li> <li>Localization for Mac OS X.</li> </ul>	Windows 7, Vista, and XP Mac OS X (10.5, 10.6, and 10.7)

Table 4 shows which licenses you can combine with the AnyConnect Essentials and AnyConnect Premium SSL VPN Edition licenses.

**Table 4**      **Advanced AnyConnect License Options**

<b>Sessions License</b>	<b>License Option</b>	<b>Basic Access</b>	<b>Post Log-in Always-on VPN</b>	<b>Malware Defense, Acceptable Use Policy Enforcement, and Data Leakage Prevention on the Web</b>	<b>Clientless Access</b>	<b>Endpoint Assessment</b>	<b>Endpoint Remediation</b>	<b>Business Continuity</b>
AnyConnect Essentials	(base license)							
	Cisco Secure Mobility for AnyConnect Essentials							
AnyConnect Premium SSL VPN Edition	(base license)							
	Cisco Secure Mobility for AnyConnect Premium							
	Advanced Endpoint Assessment							
	Flex <sup>1</sup>							

1. A flex license provides business continuity support for malware defense, acceptable use policy enforcement, data leakage prevention on the web, and endpoint remediation features only if those features are licensed.

The following licenses require activation on a Cisco adaptive security appliance (ASA) running 8.0(x) or later:

- AnyConnect Essentials license
- AnyConnect Premium SSL VPN Edition license
- Advanced Endpoint Assessment license
- Flex license

You can activate either an AnyConnect Essentials or an AnyConnect Premium SSL VPN Edition license, but you cannot activate both licenses together on the same ASA. Some features require later versions of the ASA, as indicated in the Tables 1 and 2.

The Cisco Secure Mobility licenses requires activation on a Cisco IronPort Web Security Appliance (WSA) running 7.0 or later.

The activation of an AnyConnect Mobile license on the ASA supports mobile access, but does not provide support for the features in this table. It is available as an option with either an AnyConnect Essentials or an AnyConnect Premium SSL VPN Edition license.

*Cisco Secure Remote Access: VPN Licensing Overview* provides brief descriptions of the AnyConnect license options and example SKUs.

*Licensing Information* contains a *Managing Feature Licenses* document for each ASA release. Each one lists the licenses available for each ASA model, and describes how to obtain and activate these licenses.

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