AnyConnect Secure Mobility Client Features, Licenses, and OSs, Release 3.1

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This document identifies the AnyConnect Release 3.1 features, license requirements, and endpoint operating systems AnyConnect features supports.

Supported Operating Systems

Cisco AnyConnect Secure Mobility Client 3.1 supports the following operating systems.

Operating System	Version
Windows	Windows 8 x86(32-bit) and x64(64-bit)
	Windows 7 x86(32-bit) and x64(64-bit)
	Windows Vista x86(32-bit) and x64(64-bit)
	Windows XP SP3 x86(32-bit)
	Windows XP SP2 x64 (64-bit)
Mac	Mac OS X 10.9 x86(32-bit) and x64(64-bit)
	Mac OS X 10.8 x86(32-bit) and x64(64-bit)
	Mac OS X 10.7 x86(32-bit) and x64(64-bit)
	Mac OS X 10.6 x86(32-bit) and x64(64-bit)
Linux	Red Hat 6 (32-bit)* and (64-bit)
	Ubuntu 11.10 (32-bit only)* and Ubuntu 12.x (64-bit)

* In the upcoming AnyConnect 3.2 release, support for Linux 32-bit will be phased out.

> **Note** After April 8, 2014, Microsoft will no longer provide new security updates, non-security hotfixes, free or paid assisted support options, or online technical content updates for Windows XP (http://www.microsoft.com/en-us/windows/endofsupport.aspx). On the same date, Cisco will stop providing customer support for AnyConnect releases running on Windows XP, and we will not offer Windows XP as a supported operation system for future AnyConnect releases.

See the *Release Notes for Cisco AnyConnect Secure Mobility Client, Release 3.1* for OS requirements and support notes.

See the Feature Matrix below for license information and operating system limitations that apply to AnyConnect modules and features.

License Options

The AnyConnect Secure Mobility client requires license activation to support VPN sessions and web security. The license(s) required depend on the AnyConnect VPN Client and Secure Mobility features that will be used, and the number of sessions you want to support. One or more of the following AnyConnect licenses may be required for your deployment:

License	Description	Applied to:
AnyConnect Essentials	Supports basic AnyConnect features for SSL and IPSec VPN connections. This license specifies the maximum number of remote access sessions supported at a time.	Cisco ASA 8.2(x) or later.
AnyConnect Premium	Supports all basic AnyConnect Essentials features plus Premium AnyConnect client features such as browser-based VPN access, and Cisco Secure Desktop, and Hostscan/Posture module functions. This license specifies the maximum number of remote access sessions supported at a time, this license type can also be shared.	Cisco ASA 8.0(x) or later.
AnyConnect Mobile	Supports AnyConnect mobile access to the security appliance. It is available as an addition to, and requires, either an AnyConnect Essentials or an AnyConnect Premium license.	Cisco ASA 8.0(x) or later.
AnyConnect Flex	A flex license provides business continuity support for all licensed features.	Cisco ASA 8.0(x) or later
Advanced Endpoint Assessment	Enables advanced endpoint assessment capabilities such as auto-remediation. Requires an activated AnyConnect Premium license.	Cisco ASA
Cisco Secure Mobility for AnyConnect	Supports web security features provided by the Cisco IronPort Web Security Appliance (WSA). The license name depends on the AnyConnect license activated on the ASA, Essentials or Premium. A Cisco IronPort Web Security Appliance license is also required.	Cisco WSA 7.0 or later.
Cisco Secure Mobility for Cisco Cloud Web Security	Supports security features provided with the AnyConnect Web Security module allowing roaming users to be protected by Cisco Cloud Web Security (ScanSafe). This license is required in addition to Cisco Cloud Web Security Web Filtering and/or Cisco Cloud Web Security Malware Scanning license.	

AnyConnect Essentials and Premium Licenses

- You can activate either an AnyConnect Essentials license or an AnyConnect Premium license on a Cisco ASA 8.2(x) or later, but you cannot activate both licenses together. Some features require later versions of the ASA, as indicated in the Features Table. Choose the license you will activate based on the AnyConnect Secure Mobility features you will use.

- In addition to AnyConnect connectivity, an AnyConnect Essentials license activated on the ASA supports sessions established using Cisco's legacy VPN client and full tunneling access to enterprise applications. Clientless VPN access and Cisco Secure Desktop are not available with an AnyConnect Essentials license.

- An ASA activated with an AnyConnect Premium license supports all access allowed by the AnyConnect Essentials license plus the following AnyConnect premium features:

    - Clientless VPN access: Allows a remote user to use a browser to establish a VPN session, and lets specific applications use the browser to access that session.

    - Cisco Secure Desktop: For both browser-based and AnyConnect sessions.

    - Post Log-in Always-on VPN: Establishes a VPN session automatically after the user logs in to a computer. For more information, see Always-on VPN. This feature also includes a Connect Failure policy and Captive Portal Hotspot Detection and Remediation.

        > **Note** You can also enable always-on by activating a Cisco Secure Mobility for AnyConnect license on the WSA with an AnyConnect Essentials license on the ASA.

    - Endpoint assessment: 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.

        Endpoint remediation requires an Advanced Endpoint Assessment License in addition to the AnyConnect Premium License as described below.

    - Quarantine: Uses Dynamic Access Policies to quarantine non-compliant AnyConnect users. You can notify users with a custom message.

- Neither the AnyConnect Essentials or Premium license is required for:

    - The Network Access Manager module. It is licensed without charge for use with Cisco wireless access points, wireless LAN controllers, switches, and RADIUS servers. A current SmartNet contract is required on the related Cisco equipment.

    - The DART module and Customer Feedback function.

AnyConnect Mobile License

The activation of an AnyConnect Mobile license on the ASA supports mobile access but does not provide support for AnyConnect features. This option is available with either an AnyConnect Essentials or an AnyConnect Premium license.

AnyConnect 3.1 does not currently support mobile devices. You must activate this license on the ASA if you expect connectivity from Android or Apple iOS devices running older versions of AnyConnect.

AnyConnect Flex License

An AnyConnect Flex license provides business continuity support for licensed features only. Business continuity increases the number of licensed remote access VPN sessions to prepare for temporary spikes in usage during cataclysmic events such as pandemics. Each Flex license is ASA-specific and provides support for sixty days. The count can consist of both contiguous and noncontiguous days.

Advanced Endpoint Assessment License

You must activate an Advanced Endpoint Assessment license in conjunction with an AnyConnect Premium license. It allows the initiation of endpoint remediation.

Endpoint remediation is initiated when a connection has been disallowed by Dynamic Access Policies (DAPs) on the ASA. Endpoint remediation attempts to remediate various aspects of antivirus, antispyware, and personal firewall protection on the endpoint, only if that software allows a separate application to initiate remediation. If the endpoint remediation is successful, DAP allows a subsequent connection.

Cisco Secure Mobility for AnyConnect License

A Cisco Secure Mobility for AnyConnect license activated on the WSA provides services for browser-based SSL sessions and AnyConnect VPN sessions such as:

- Malware defense.
- Acceptable use policy enforcement.
- Data leakage prevention for the web.
- Protection for the endpoint from websites found to be unsafe by granting or denying all HTTP and HTTPS requests.
- Administrator access to Internet usage reports for all VPN sessions.

The Cisco Secure Mobility for AnyConnect license must be activated as follows:

- A Cisco Secure Mobility for AnyConnect Premium license activation on the WSA requires activation of either an AnyConnect Premium or an AnyConnect Essentials license on the ASA.
- A Cisco Secure Mobility for AnyConnect Essentials license activation on the WSA requires activation of an AnyConnect Essentials license on the ASA. You cannot use a Cisco Secure Mobility for AnyConnect Essentials license activated on a WSA in combination with an AnyConnect Premium license activated on an ASA.

Note Post Log-in Always-on VPN, a Premium feature, is enabled by activating a Cisco Secure Mobility for AnyConnect license on the WSA with an AnyConnect Essentials license on the ASA.

- The Cisco Secure Mobility for AnyConnect license activated on the WSA must match or exceed the number of VPN sessions supported by the AnyConnect license activated on the ASA.

This Cisco Secure Mobility license for AnyConnect, Premium or Essentials, is in addition to the activated Cisco IronPort Web Security Appliance license.

For more information, see the *Cisco IronPort Web Security Appliances Introduction.*

AnyConnect License Combinations

Sessions License	License Option	Basic Access	Mobile Access	Client-less Access	Post Log-in Always-on VPN	Malware Defense, Acceptable Use Policy Enforcement, and Data Leakage Prevention on the Web	Endpoint Assess-ment	Endpoint Reme-diation
AnyConnect Essentials	(base license)	✓						
+	AnyConnect Mobile	✓	✓					
+	Cisco Secure Mobility for AnyConnect Essentials	✓	✓		✓	✓		
+	AnyConnect Flex[1]	✓	✓		✓	✓		
AnyConnect Premium SSL VPN Edition	(base license)	✓		✓	✓		✓	
+	AnyConnect Mobile	✓	✓	✓	✓		✓	
+	Cisco Secure Mobility for AnyConnect Premium	✓	✓	✓	✓	✓	✓	
+	Advanced Endpoint Assessment	✓	✓	✓	✓	✓	✓	✓
+	AnyConnect Flex[1]	✓	✓	✓	✓	✓	✓	✓

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

Features Matrix

AnyConnect 3.1 modules and features, with their minimum release requirements, license requirements and supported operating systems. are listed in the following sections:

- AnyConnect Deployment and Configuration
- Anyconnect Core VPN Client

AnyConnect Deployment and Configuration

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Deferred Upgrades	3.1	ASA 9.0 ASDM 7.0	Essentials	yes	yes	yes
Windows Services Lockdown	3.0	ASA 8.0(4) ASDM 6.4(1)	Essentials	yes	no	no
Update Policy, Software and Profile Lock	3.0	ASA 8.0(4) ASDM 6.4(1)	Essentials	yes	yes	yes
Auto Update	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Web Launch (32 bit browsers only)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Pre-deployment	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Auto Update Client Profiles	3.0	ASA 8.0(4) ASDM 6.4(1)	Essentials	yes	yes	yes
Anyconnect Profile Editor	3.0	ASA 8.4(1) ASDM 6.4(1)	Essentials	yes	yes	yes
User Controllable Features	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	no

Anyconnect Core VPN Client

Core Features

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
SSL (TLS & DTLS)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
TLS Compression	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
DTLS fallback to TLS	3.0	ASA 8.4.2.8 ASDM 6.3(1)	Essentials	yes	yes	yes
IPsec/IKEv2	3.0	ASA 8.4(1) ASDM 6.4(1)	Essentials	yes	yes	yes
Split tunneling	2.5	ASA 8.0(x) ASDM 6.3(1)	Essentials	yes	yes	no
Split DNS	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	no
Ignore Browser Proxy	2.5	ASA 8.3(1) ASDM 6.3(1)	Essentials	yes	yes	no
Proxy Auto Config (PAC) file generation	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	no	no
Internet Explorer tab lockdown	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	no	no
Optimal Gateway Selection	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	no
Global Site Selector (GSS) compatibility	3.0.3050	ASA 8.0(4) ASDM 6.4(1)	Essentials	yes	yes	yes
Local LAN Access	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Tethered device access via client firewall rules, for synchronization	2.5	ASA 8.3(1) ASDM 6.3(1)	Essentials	yes	yes	yes
Local printer access via client firewall rules	2.5	ASA 8.3(1) ASDM 6.3(1)	Essentials	yes	yes	yes
IPv6	3.1	ASA 9.0 ASDM 7.0	Essentials	yes: Vista & 7 no: XP	yes	no

Connect and Disconnect Features

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Simultaneous Clientless & AnyConnect connections	2.5	ASA8.0(4) ASDM 6.3(1)	Premium	yes	yes	yes
Start Before Logon (SBL)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes: Vista & 7 no: XP	no	no
Run script on connect & disconnect	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Minimize on connect	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Auto connect on start	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
Auto reconnect (disconnect on system suspend, reconnect on system resume)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	no
Remote User VPN Establishment (permitted or denied)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	no	no
Logon Enforcement (terminate VPN session if another user logs in)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	no	no
Retain VPN session (when user logs off, and then when this or another user logs in)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	no	no
Trusted Network Detection (TND)	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	no
Always on (VPN must be connected to access network)	2.5	ASA 8.0(4) ASDM 6.3(1)	(Essentials and Secure Mobility) or Premium	yes	yes	no
Always on exemption via DAP	2.5	ASA 8.3(1) ASDM 6.3(1)	(Essentials and Secure Mobility) or Premium	yes	yes	no
Connect Failure Policy (internet access allowed or disallowed if VPN connection fails)	2.5	ASA 8.0(4) ASDM 6.3(1)	(Essentials and Secure Mobility) or Premium	yes	yes	no

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Captive Portal Detection	2.5	ASA 8.0(4) ASDM 6.3(1)	(Essentials and Secure Mobility) or Premium	yes	yes	no
Captive Portal Remediation	2.5	ASA 8.0(4) ASDM 6.3(1)	(Essentials and Secure Mobility) or Premium	yes	yes	no

Authentication and Encryption Features

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Certificate only authentication	2.5	ASA 8.0(4) ASDM 8.3(1)	Essentials	yes	yes	yes
RSA SecurID /SoftID integration	2.5		Essentials	yes	no	no
Smartcard support	2.5		Essentials	yes	yes	no
SCEP (requires Posture Module if Machine ID is used)	2.5		Essentials	yes	yes	no
List & select certificates	2.5		Essentials	yes	no	no
FIPS	2.5		Essentials	yes	yes	yes
SHA-2 for IPsec IKEv2 (Digital Signatures, Integrity, & PRF)	3.0	ASA 8.0(4) ASDM 6.4(1)	Essentials	yes	yes	yes
Strong Encryption (AES-256 & 3des-168)	3.0		Essentials	yes	yes	yes
NSA Suite-B (IPsec only)	3.1	ASA 9.0 ASDM 7.0	Premium?	yes: Vista & 7 no: XP	yes	yes
NGE not including NSA Suite B (IPsec only)	3.1		Essentials	yes: Vista & 7 no: XP	yes	yes

Interfaces

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
GUI	2.5	ASA 8.0(4) ASDM 8.3(1)	Essentials	yes	yes	yes
Command Line	2.5			yes	yes	yes
API	2.5			yes	yes	yes
Microsoft Component Object Module (COM)	2.5			yes	no	no
Localization of User Messages	2.5			yes	yes	no
Custom MSI transforms	2.5			yes	no	no
User defined resource files	2.5			yes	yes	no
Client Help	3.1	ASA 9.0 ASDM 7.0		yes	yes	yes

AnyConnect Network Access Manager

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Core	3.0	ASA 8.4(1) ASDM 6.4(1)	No AnyConnect License Required, SmartNet Contract Required	yes:Vista & 7 yes: XP (32-bit only)	no	no
Wired support IEEE 802.3	3.0			yes		
Wireless support IEEE 802.11	3.0			yes		
Pre-logon & Single Sign on Authentication	3.0			yes		
IEEE 802.1X	3.0			yes		
IEEE 802.1AE MACsec	3.0			yes		
EAP methods	3.0			yes		
FIPS 140-2 Level 1	3.0			yes		
Mobile Broadband support	3.1	ASA 8.4(1) ASDM 7.0		yes: Win 7 only		
IPv6	3.1	ASA 9.0 ASDM 7.0		yes: Vista & 7 only		
NGE and NSA Suite-B	3.1			yes: Vista & 7 yes: XP (32-bit only)		

AnyConnect Secure Mobility Modules

Hostscan and Posture Assessment

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Endpoint Assessment	2.5	ASA 8.0(4) ASDM 6.3(1)	Premuim	yes	yes	yes
Endpoint Remediation	2.5		Premium and Advanced Endpoint Assessment	yes	yes	yes
Quarantine	2.5		Premium and Advanced Endpoint Assessment	yes	yes	yes

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Quarantine status & terminate message	2.5	ASA 8.3(1) ASDM 6.3(1)	Premium and Advanced Endpoint Assessment	yes	yes	yes
Hostscan Package Update	3.0	ASA 8.4(1) ASDM 6.4(1)	Premium	yes	yes	yes
Keystroke Logger Detection	3.0		Premium	yes:x86 (32-bit) only	no	no
Host Emulation Detection	3.0		Premium	yes:x86 (32-bit) and (64-bit)	no	no
Cache Cleaner	3.0		Premium	yes:x86 (32-bit) only	yes:x86 (32-bit) only	yes

Telemetry

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Telemetry	3.0	ASA 8.4(1) ASDM 6.4(1) WSA 7.0	(see below)	yes	no	no

Telemetry License Requirements

(Cisco Secure Mobility for AnyConnect Essentials and AnyConnect Essentials) or (Cisco Secure Mobility for AnyConnect Premium and (AnyConnect Essentials or AnyConnect Premium)

Web Security

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Core	3.0	ASA 8.4(1) ASDM 6.4(1)	(see below)	Yes: Vista & 7 Yes: XP x86 (32-bit) only	yes	no
Cloud-Hosted Configuration	3.0.4					
Secure Trusted Network Detection	3.1	ASA 8.4(1) ASDM 7.0				
Dynamic Configuration Elements	3.1					
Fail Close / Fail Open Policy	3.1					

Web Security License Requirements:

(AnyConnect Essentials or AnyConnect Premium) and Cisco Secure Mobility for Cisco Cloud Web Security and (Cisco Cloud Web Security Web Filtering or Cisco Cloud Web Security Malware Scanning)

Reporting and Troubleshooting Modules

Customer Experience Feedback

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
Customer Experience Feedback	3.1	ASA 8.4(1) ASDM 7.0	Essentials	yes	yes	no

DART

Feature	Minimum AnyConnect Release	Minimum ASA/ASDM Release	License Required	Windows	Mac	Linux
VPN logs	2.5	ASA 8.0(4) ASDM 6.3(1)	Essentials	yes	yes	yes
NAM logs	3.0	ASA 8.4(1) ASDM 6.4(1)		yes	no	no
Posture Assessment logs	3.0			yes	yes	yes
Telemetry logs	3.0			yes	no	no
Web Security logs	3.0			yes	yes	no