Cisco Web Security

Today's interactive web technologies benefit businesses by helping them innovate and reduce costs. However, these same technologies introduce a new set of challenges. Every web interaction exposes companies to hidden cybersecurity threats, staff productivity losses, and significant business risks.

Overview

In today's highly connected and increasingly mobile world, with its complex and sophisticated threats, Cisco® Web Security delivers the strong protection, complete control, and investment value you need.

- Cisco Web Security solutions provide best-in-class uptime, zero-day threat protection, and integration with Cisco's market-leading family of security offerings.
- Users are protected everywhere, all the time, with safeguards including Cisco's unparalleled global threat-intelligence infrastructure.
- A single management interface delivers global control with policies that provide dynamic, context-based control of web applications by assessing user location, profile, and device.
- Cisco Web Security minimizes costs with fewer devices, faster integration, and simplified training. Resolve issues and avoid downtime with Cisco's world-class 24-hour support.

Features and Benefits

Threat Intelligence	Receive fast and comprehensive web protection backed by the largest threat-detection network in the world. Cisco Security Intelligence Operations (SIO) provides a 24-hour view into global traffic activity, enabling Cisco to analyze anomalies, uncover new threats, and monitor traffic trends. SIO generates new rules that feed updates every three to five minutes, providing industry-leading threat defense hours and even days ahead of competitors.
Real-Time Malware Scanning	Prevent zero-hour attacks with multiple antimalware engines running concurrently. Every piece of web content accessed - from HTML to images to Flash videos - is analyzed using security and context-aware scanning engines.
URL Filtering, Dynamic Content Analysis, Real-Time Categorization	Eliminate the risks of misuse, compliance violations, and reduced productivity with Cisco's continuously updated URL database and real-time categorization of unknown URLs. Administrators can also select policies for intelligent HTTPS inspection.

Application Visibility and Control	Control mobile, collaborative, and Web 2.0 applications and enforce behaviors within those applications. Cisco Web Security identifies and provides controls for hundreds of applications and 150,000 micro-applications.
Data Loss Prevention (DLP)	Prevent confidential data from leaving the network by creating context-based rules for basic DLP. Cisco uses Internet Content Adaptation Protocol (ICAP) to integrate Cisco Web Security with any third-party DLP solution for advanced protection.
Secure Mobility	Protect roaming users by integrating Cisco Web Security with the Cisco AnyConnect® Secure Mobility Client.
Centralized Management and Reporting	Receive actionable insight across threats, data, and applications. Cisco Web Security solutions provide powerful centralized tools to control security operations, such as management, and network operations, such as analysis of bandwidth consumption.

Deployment Options

Flexible deployment options allow organizations to meet business requirements without buying more than necessary.

On-Premises

Cisco Web Security Appliance (WSA)

Simplifies control with a high-performance dedicated appliance.

Cisco Web Security Virtual Appliance (WSAV)

Allows administrators to create new appliance instances wherever and whenever they're needed.

On-Premises Connection Method

Cisco AnyConnect Secure Mobility Client

Enables remote clients to undergo web security services by requiring traffic to be redirected through a VPN tunnel back to the on-premises solution.

Direct to Cloud

Cisco Cloud Web Security (CWS)

Delivers a simple web security solution that does not require any additional hardware. It can function as a standalone solution or provide increased protection by connecting existing network equipment to cloud-based web security services using existing browser settings and PAC files.

Cloud Connection Methods

Includes software for on-premises appliances like Cisco ASA 5500-X Series Next-Generation Firewalls, Cisco ISR Generation 2 (ISR G2) Routers, and Cisco Web Security Appliances, redirecting traffic to Cisco Cloud Web Security for web security functions.

Cisco ISR G2 Router with CWS Connector

Saves bandwidth, money, and resources by intelligently redirecting Internet traffic from branch offices directly to the cloud to enforce security and control policies.

Cisco ASA Firewall with CWS Connector

Integrates Cisco ASA Software Release 9.0 with Cisco Cloud Web Security to solve the combined problems of performance and breadth of security without affecting data center and network complexity.

Cisco Web Security Appliance with CWS Connector

Moves processing to the cloud, lifting the computing load from the on-premises WSA and centralizing the management of access policies in the cloud.

Cisco AnyConnect Secure Mobility Client

Safeguards web-based transactions on mobile devices by dynamically initiating an SSL tunnel to forward web requests to the closest web access point.

Product Specifications

Tables 1 through 3 list specifications for the Cisco WSA, the Cisco WSAV, and Cisco Cloud Web Security, respectively.

Table 1. Cisco Web Security Appliance (WSA)

	Users[*]	Model	Disk Space	RAID Mirroring	Memory	CPUs
Large Enterprise	6000-12000	S680	4.8 TB (8x600 GB SAS)	Yes (RAID 10)	32 GB	16 (2 Octa Core) 2.70 Ghz
		S670	2.7 TB (6x450 GB SAS)	Yes (RAID 10)	8 GB	8 (2 Quad Core) 2.80 GHz
Midsize Office	1500-6000	S380	2.4 TB (4x600 GB SAS)	Yes (RAID 10)	16 GB	6 (1 Hexa Core) 2.00 Ghz
		S370	1.8 TB (4x450 GB SAS)	Yes (RAID 10)	4 GB	4 (1 Quad Core) 2.26 GHz
SMB & Branch	< 1500	S170	500 GB (2x250 GB SATA)	Yes (RAID 1)	4 GB	2 (1 Dual Core) 2.80 GHz

[*] Please confirm sizing guidance with a Cisco content security specialist to help ensure your solution will meet your current and projected needs.

Table 2. Cisco Web Security Virtual Appliance (WSAV)

Web Users[**]					
Web Users	**Model**	**Disk**	**Memory**	**Cores**	
<1000	S000v	250 GB	4 GB	1	
1000-2999	S100v	250 GB	6 GB	2	
3000-6000	S300v	1024 GB	8 GB	4	
Servers					
Cisco UCS®			**ESXi 4.0 X 5.0 Hypervisor**		

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Table 3.   Cisco Cloud Web Security (CWS)

Connection Methods	How Devices Authenticate to Cloud	SSL Tunneling	Whitelisting Options	How Devices Authenticate to Cloud
Native Connector	License key, egress IP	Yes	IP, IP ranges, URL, host, user agent	Explicit
WSA Connector	License key	No	IP, IP ranges	Transparent
ISR Connector	License key	No	IP, IP ranges, URL, host, user agent	Transparent
Firewall	License key	No	IP, IP ranges	Transparent
AnyConnect	License key	Yes	IP, IP ranges, host	Transparent

Licensing

Term-Based Subscription Licenses

Licenses are term-based subscriptions of one, three, or five years.

Quantity-Based Subscription Licenses

The Cisco Web Security portfolio uses tiered pricing based on the number of users. Sales and partner representatives can help to determine the correct tier for each customer deployment.

Cisco Web Security Appliance Licensing Options

1. **Web Security Essentials:** Protection and control of an organization's web traffic using URL filtering, reputation-based defense, and application visibility and control technologies

2. **Cisco Antimalware License:** Real-time malware scanning

3. **Cisco Web Security Premium:** Web Security Essentials and real-time malware scanning

4. **McAfee Antimalware:** Real-time malware scanning available as a single license

All licenses include software subscription support. The Cisco End-User License Agreement (EULA) and the Cisco Web Security Supplemental End-User License Agreement (SEULA) are provided with each software license purchase.

Cisco Web Security Virtual Appliance Self-Service Provisioning

You can deploy as many virtual instances as needed; there is no limit, and there's no need to contact Cisco. New instances can be provided as needed with digital certificates.

Cisco Cloud Web Security Offer

Cisco Cloud Web Security provides a rich set of services through the Global Price List offer, including: Web Security, Web Filtering, and Secure Mobility. Additionally, all Cisco Cloud Web Security subscriptions include support contracts. Customers are entitled to support for the term of the subscription.

Services

Cisco Branded Services	Cisco Security Planning and Design: Enables deployment of a robust security solution quickly and cost-effectively.
	Cisco Web Security Configuration and Installation: Mitigates web security risks by installing, configuring, and testing appliances to implement: • Acceptable-use-policy controls • Reputation and malware filtering • Data security • Application visibility and control Cisco Security Optimization: Supports an evolving security system to meet security threats, design, performance tuning, and support for system changes.

Collaborative/Partner Services	Network Device Security Assessment: Helps maintain a hardened network environment by identifying gaps in network infrastructure security.
	Smart Care: Provides actionable intelligence gained from highly secure visibility into a network's performance.
	Additional services: Cisco partners provide a wide range of valuable services across the planning, design, implementation, and optimization lifecycle.
Cisco Financing	Cisco Capital® can tailor financing solutions to business needs. Access Cisco technology sooner and see the business benefits sooner.

Warranty Information

Find warranty information on Cisco.com at the Product Warranties page.

For More Information

Find out more at http://www.cisco.com/go/websecurity. Evaluate how Cisco products will work for you with a Cisco sales representative, channel partner, or systems engineer.

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