

Forcepoint Virtual Appliance for Web and Email

Forcepoint Virtual Appliance for Web and Email offers many business, management, and infrastructure advantages, all while supporting Forcepoint's highly effective Web Security and Email Security solutions. Like our industry-leading, cloud-based security services, this virtual appliance provides tremendous deployment flexibility. Using existing hardware eliminates the restrictions of a long-term commitment to proprietary, single-purpose appliances.

If you're planning to eventually migrate to the cloud, the virtual appliance offers a powerful yet economical interim deployment option without sacrificing security, visibility, or manageability. Your eventual transition to full-cloud deployment becomes a small, infrastructure-level event with minimal impact on users or the security operations team.

Support evolving, complex environments

Forcepoint's Virtual Appliance for Web and Email was designed to work with other flexible deployment options to consistently deliver effective management and confidence.

Central visibility

Forcepoint offers unified management across web, email, and even DLP, providing central visibility into threat activity on multiple channels, both inbound and outbound, and across the entire kill chain. And it does this even as your environment evolves, with various combinations of appliance, virtual, and/or cloud deployments. This is vital to helping you understand the actual threats you face and to maintain optimal coordination of defenses to eliminate gaps.

Single policy control

Forcepoint's policy management architecture allows you to create or modify a policy just once before deploying it to all Forcepoint cloud, appliance, and virtual-based web and email defenses. This minimizes the impact on IT resources, even as you maintain peak effectiveness in the face of a constantly changing threat landscape and evolving compliance requirements.

Forcepoint's underlying security architecture truly combines web, email, and DLP solutions into a single unified system, irrespective of platform.

Reliable, hardened environments

Forcepoint Virtual Appliance for Web and Email provides the same high-performance, hardened security environment as Forcepoint V-Series appliances to deliver proven security for web and email channels. You can operate with confidence as you deploy Forcepoint Web or Email Security solutions on appliances, virtual appliances, or through a certified Forcepoint cloud data center, part of the industry's most secure cloud infrastructure.

“More customers buy Forcepoint over other vendors because Forcepoint Content Security Solutions go so much further than simple content filtering.”

Robert Avoub, Global Program Director, Frost & Sullivan

Prepare for the cloud

If you're not quite ready to migrate to the cloud today, the Forcepoint Virtual Appliance for Web and Email provides an on-premises option with future flexibility, giving you the freedom to wait until the time is right for you.

Migration support

Migrating security to the cloud typically involves an extended period of testing, initial trial deployments, and staged expansion as various groups, facilities, or services are shifted to the cloud over time. Forcepoint helps you maintain control throughout the entire process and minimizes service interruptions.

Get familiar with the Forcepoint solutions today and eliminate much of the retraining requirements as you focus on the safe evolution of your environment through various blends of cloud, appliance, and virtual platforms. Or leverage Forcepoint's powerful connective architecture to maintain a hybrid security posture, like so many current customers who prefer the benefits of both worlds in a hybrid deployment.

Minimal dependencies

Effective security postures involve the careful coordination of various security tools, and the migration of one or more of your security solutions could impact your overall security posture. By unifying Web Security, Email Security, and DLP within the Forcepoint management infrastructure, migration can take place in any order, over any period, without impacting the solutions' ability to coordinate defenses across channels to control inbound or outbound threat activity across the kill chain.

Secure web and email access anywhere

Forcepoint Web Security and Email Security solutions deliver comprehensive protection to organizations embracing the cloud as their users access email and the web from any location, on any device. Flexible cloud, appliance, virtual, or hybrid deployment options provide industry-leading web and email security independently, or as a highly coordinated and unrivaled defense for both.

Web Security

Forcepoint Web Security is a secure web gateway that stops advanced threats from getting in and sensitive data from getting out—whether an organization's users are in the office, working from home, or on the road.

Its cutting-edge classification engine, global threat intelligence, advanced malware detection, and enterprise-class DLP work together to make strong security easy to deploy. It delivers real-time web protection for increasingly mobile workforces and can share policies and context with Email Security to thwart advanced, coordinated web and email attacks with complete inbound and outbound defenses.

Email Security

Forcepoint Email Security stops the spam and phishing emails that introduce ransomware and other advanced threats before they can infect systems with malware.

Comprehensive defenses integrate highly effective threat analytics, URL wrapping, phishing education, and advanced malware detection for inbound protection, as well as integrated DLP as an outbound control and email encryption for secure communications. Forcepoint Email Security leverages global, real-time threat intelligence to deliver unparalleled phishing, malware, and DLP protection for Microsoft Office 365 and other popular email systems.

System specifications

Forcepoint Virtual Appliance for Web and Email supports VMware ESXi 6.5, 6.0, and 5.5. Users should ensure their hardware is compliant with the VMware requirements for this solution for optimal performance and reliability.

WEB SECURITY VIRTUAL APPLIANCE SPECIFICATION ¹		
vCPU: 6	vCPU: 14	vCPU: 20
vRAM: 12 GB	vRAM: 32 GB	vRAM: 36 GB
vDisk: 2 x 128 GB	vDisk: 2 x 128 GB	vDisk: 2 x 128 GB
vNIC: 4 x E1000 (one reserved port)	vNIC: 4 x E1000 (one reserved port)	vNIC: 4 x E1000 (one reserved port)
TRANSACTION PER SECOND (TPS) ²		
691	1438	1752

¹ Performance is scalable only with additional virtual CPU core (vCPU) and virtual memory (vRAM) on v8.5.0 or later.

² Performance data observed for v8.5.0 virtual appliance with baseline (25% HTTPS + no DLP module + Anti-virus + Aggressive Scanning) in hardware host (2 x Intel Xeon Gold 6130, 192GB RAM) running ESXi v6.0. Individual performance may vary.

³ With the same methodology, v8.5.0 performance data observed for V5000 G4 is 893 TPS and for V10000 G4R2 is 1778 TPS.

EMAIL SECURITY VIRTUAL APPLIANCE SPECIFICATION ¹
vCPU: 6
vRAM: 12 GB
vDisk: 1 x 235 GB + 1 x 100 GB
vNIC: 4 x E1000 (one reserved port)
MESSAGE PER SECOND (MPS) ²
25

¹ Performance is scalable only with additional virtual CPU core (vCPU) and virtual memory (vRAM).

² Performance data observed for v8.5.0 virtual appliance with DLP module + Anti-spam + Anti-virus (inbound traffic only) in hardware host (2 x Intel Xeon E5-2695 v3, 512GB RAM) running ESXi v6.5. Individual performance may vary.

³ With the same methodology, v8.5.0 performance data observed for V5000 G4 is 10 MPS and for V10000 G4R2 is 129 MPS.

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