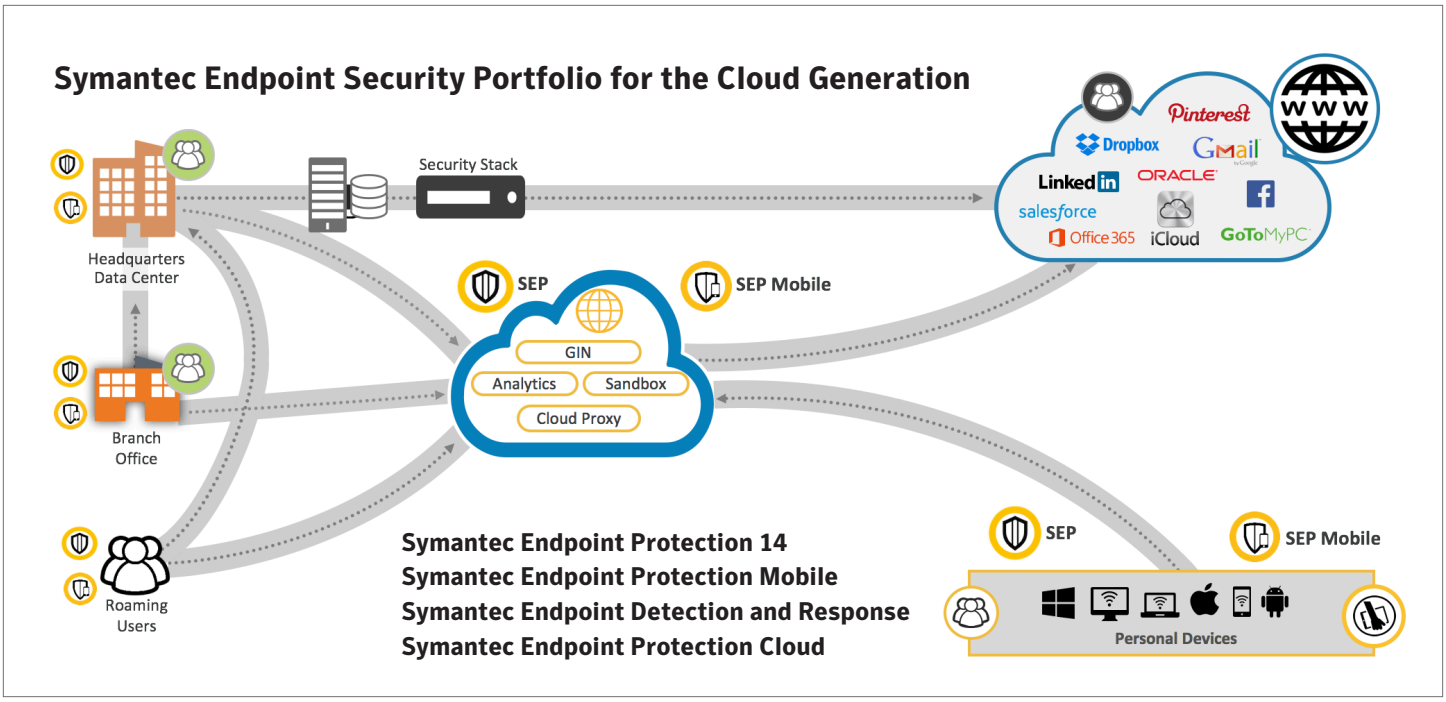
Endpoint Security for the Enterprise

Multilayered Defense for the Cloud Generation

FAMILY BROCHURE

Symantec™



Challenges of securing the Cloud Generation

Today's workforce is increasingly nomadic. Employees use personal and company-owned devices—desktops, laptops, tablets, and smartphones with various operating systems—to access corporate resources over different networks from virtually anywhere. Roaming users and cloud-based applications have eroded the network perimeter where enterprises have traditionally focused their security controls.

In the wake of this disruption, vendors offered myriad point products that solve only a portion of the security problem. These products usually require costly custom integrations and high management overhead to boot.

Making matters worse, traditional security approaches cannot address an evolving threat landscape that includes ransomware, stealthy attacks that dwell in a customer's environment 191 days on average,[1] and malware targeting mobile devices. In fact, the mobile workforce is more vulnerable than ever before.

Single-agent defense in depth

Symantec™ provides a complete endpoint solution powered by the world's largest civilian Global Intelligence Network (GIN). You can secure your enterprise and mobile workforce across traditional and modern OS devices used over any network and from any location. Multiple layers of endpoint security technologies provide you with industry-leading efficacy against emerging threats. Symantec endpoint security is part of our larger Integrated Cyber Defense platform, covering web and email security, threat analytics, security orchestration and automation, and more. The single agent architecture and hybrid management capabilities enable your organization to operate more efficiently and enjoy a lower total cost of ownership.

[1] Ponemon 2017 Cost of Data Breach Study: United States

As a SEP portfolio customer, you benefit from the following defense-in-depth capabilities:

- **Prevention**—Multilayer endpoint security goes beyond signature blocking to fuse signatureless technologies such as advanced machine learning, behavioral analysis, memory exploit mitigation, and OS emulation with time-tested ones including intrusion prevention, reputation analysis, and application and device control. All with the simplicity of a single agent.
- **Endpoint Detection and Response (EDR)**—Detect, isolate, and eliminate intrusions, and investigate incidents, all within one agent.
- **Deception**—Deploy baits and decoys at scale to lure attackers into revealing their intent, tactics, and targets … without their knowledge.
- **Hardening**—Auto-classify risk levels of all endpoint applications, then isolate suspicious apps to limit vulnerability exploits and protect trusted applications.

Symantec Endpoint Protection Mobile:

For complete mobile threat defense, extend superior threat visibility and layered defense to all your mobile devices—both managed and unmanaged—with Symantec Endpoint Protection Mobile:

- Block malware processes and installation of malicious apps
- Protect your devices from compromised Wi-Fi networks
- Reduce risk from zero-day attacks and other unpatched vulnerabilities

Symantec Endpoint Protection 14—Multilayer protection

SEP 14 defeats ransomware and other threats regardless of how they attack your endpoints. With SEP 14, you can:

- Stop ransomware with a combination of artificial intelligence techniques (including advanced machine learning and behavior analysis) and time-tested technologies, such as intrusion prevention. The number of new ransomware variants increased 46% in 2017, suggesting more attackers are jumping on the ransomware bandwagon.[2]
- Use signatureless technology to prevent attackers from exploiting vulnerabilities in popular software, including browsers and productivity tools.
- Gain greater visibility into suspicious files, and customize protection on the fly to suit different needs, by fine-tuning machine learning, behavior analysis, intrusion prevention, and more. Use the low-bandwidth mode to protect network-constrained environments without compromising efficacy.
- Orchestrate your response to address threats quickly. SEP 14 integrates with existing security infrastructure including web and email gateways, sandboxing, and more for a unified threat response.
- Enjoy less operational complexity and a lower total cost of operation by consolidating all endpoint security uses cases—such as prevention, detection and response, deception, endpoint hardening and threat analytics—on a single, lightweight SEP agent. The same agent paves the way for high performance, significantly reducing scan times and bandwidth requirements.

SEP 14 exceeds the high bar for security requirements, and it does so without compromising user productivity.

Symantec Endpoint Protection Cloud—Uncompromising security for limited IT budgets

Symantec Endpoint Protection Cloud (SEP Cloud) delivers security-as-a-service and is ideal for organizations with limited IT resources. It protects and manages PC, Mac, and mobile devices and servers from a single console, and comes with built-in default security settings and self-service device enrollment capabilities for quickly protecting your endpoints.

SEP Hardening – Advanced application defense

The Hardening add-on provides advanced application defense, enabling your employees to use any application safely. Implement it in minutes via an intuitive cloud console. Hardening fully supports standard employee workflows so it doesn't impact productivity.

[2] Symantec Internet Security Threat Report Vol. 23

SEP Hardening

- Isolates suspicious apps
- Shields trusted ones such as browsers—2.4 browser vulnerabilities were discovered per day in 2016[3] and
- Combined with SEP 14, it delivers unprecedented protection against malware and suspicious applications—unlike application-isolation point products from other vendors

SEP with Deception—Preemptive security, early warning, and attacker Surveillance

The Deception feature baits attackers into revealing their intent, tactics, and targets … without letting them know they're being watched—giving you the early visibility you need to adapt your security posture. SEP Deception offers the most accurate and insightful detection as well as the fastest time to value—set the trap simply by flipping a switch and quickly scale the protection enterprisewide. Become a Symantec Managed Security Services customer and you'll also benefit from 24x7 real-time SEP Deception monitoring and response by a global team of experts.

We're the only security vendor with advanced deception technology integrated in our endpoint portfolio.

Symantec Risk Insight—Threat analytics dashboard

Symantec Risk Insight is a cloud-delivered threat analytics dashboard that displays your assessed security posture across your environment—customers, supply chain, and brand.

Risk Insight collects telemetry from local sources—including SEP and the Symantec Global Intelligence Network—providing visibility into granular industry and regional benchmarks and charting trends for key metrics such as malware analysis, targeted attacks, infection rate, mean time to remediate, and more. Cut costs and complexity by using cloud delivery and local telemetry—no hardware or new agents to install.

SEP Mobile—Protection from mobile cyber attacks

SEP Mobile is a complete mobile threat defense solution, extending your security outside the perimeter to protect all your mobile devices—BYOD and corporate-owned, across Android, iOS, and Windows. It accurately predicts, detects, and effectively protects against every mobile threat vector. With its predictive, layered technology tapping massive, crowd-sourced threat intelligence, as well as device- and server-based analyses, SEP Mobile heads off identified malware, network threats, and vulnerability exploits while safeguarding user privacy and the user experience. All in one app.

SEP Mobile covers all the attack vectors the SANS Institute identifies as necessary for a complete mobile threat defense solution.[4] It conquers each one with a layer of security and as well as crowd-sourced intelligence and analysis from a dedicated team of mobile threat experts. SEP Mobile defense layers include:

- **Physical defense**—Passcode lock prevents access to corporate information and remote wipe in case a device is lost or stolen.
- **Network defense**—Blocks malicious Wi-Fi networks by detecting and blocking malicious iOS profiles, identifies man-in-the-middle threats, stops SSL downgrading and content manipulation attacks.
- **Vulnerability defense**—Monitors devices for unpatched known vulnerabilities while security teams search for zero-day vulnerabilities in apps and operating systems.
- **Malware defense**—Uses real-time response and incremental app analysis with multiple approaches including code, structure, permissions, and behavior to detect mobile malware.

Mobile malware threats are increasing—Symantec observed 18.4 million mobile malware threats in 2016, an increase of 105 percent on 2015[5]—but with SEP Mobile you can mobilize without compromise.

[3,5] Symantec Internet Security Threat Report Vol. 23
[4] Mobile Threat Protection: A Holistic Approach to Securing Mobile Data and Devices.

Symantec Endpoint Detection and Response—Intruder rejection

Symantec Endpoint Detection and Response (EDR) solutions stop attacks from becoming breaches. Detect, isolate, and quickly eliminate intrusions across all your endpoints with artificial intelligence, automated incident generation, and unparalleled threat intelligence.

Sophisticated attackers are increasingly using 'living off the land' tactics. One key indicator of this trend is the surge in PowerShell threats: A recent Symantec study found that 94.5 percent of PowerShell scripts were malicious[6]. Symantec EDR solutions give you the tools to expose, contain, and resolve breaches resulting from advanced attacks.

Symantec EDR exposes advanced attacks with precision machine learning and global threat intelligence minimizing false positives and helps ensure high levels of productivity for security teams. Symantec EDR capabilities allow incident responders to quickly search, identify and contain all impacted endpoints while investigating threats using a choice of on-premises and cloud-based sandboxing. Also, Symantec EDR enhances investigator productivity with automated incident playbook rules and user behavior analytics that brings the skills and best practices of the most experienced security analysts to any organization, resulting in significantly lower costs.

In addition, continuous and on-demand recording of system activity supports full endpoint visibility. Symantec EDR utilizes behavioral analytics at the endpoint and in the cloud to detect stealthy attacks such as breach detection, command and control beaconing, lateral movement and suspicious power shell executions.

Symantec's EDR solution delivers a full range of capabilities to support the entire investigation lifecycle:

Detection

- Stream risk scored endpoint activity recording of critical events that are known indicators of compromise
- Leverage cloud-based attack analytics to detect emerging threats and automatically adapt to new attack techniques
- Identify suspicious PowerShell scripts and memory exploits using rules-based detection and automated incidents generation

Investigation

- Search EDR database and endpoints directly for indicators of comprise and anomalous activity that stands out in the environment
- Filter for specific attributes, identify uncommon values and pivot to relevant entity and investigation details for further analysis
- Detonate suspicious files using advanced sandboxing delivered as a cloud-based or on-premises
- Leverage file reputation, network traffic analysis and global telemetry (GIN)
- Quarantine endpoints while conducting investigations

Remediation

- Delete files and blacklist files hashes, urls and IP addresses to prevent threats from returning
- Clean up every attack artifact and quickly return endpoints to a pre-infection state with a single click

Automation

- Replicate the best practices of skilled investigators with visual playbook creation tools
- Gain in-depth visibility into endpoint activity with automated artifact collection
- Initiate cyber security functions and learn expert investigation methods with built-in library of automated playbooks

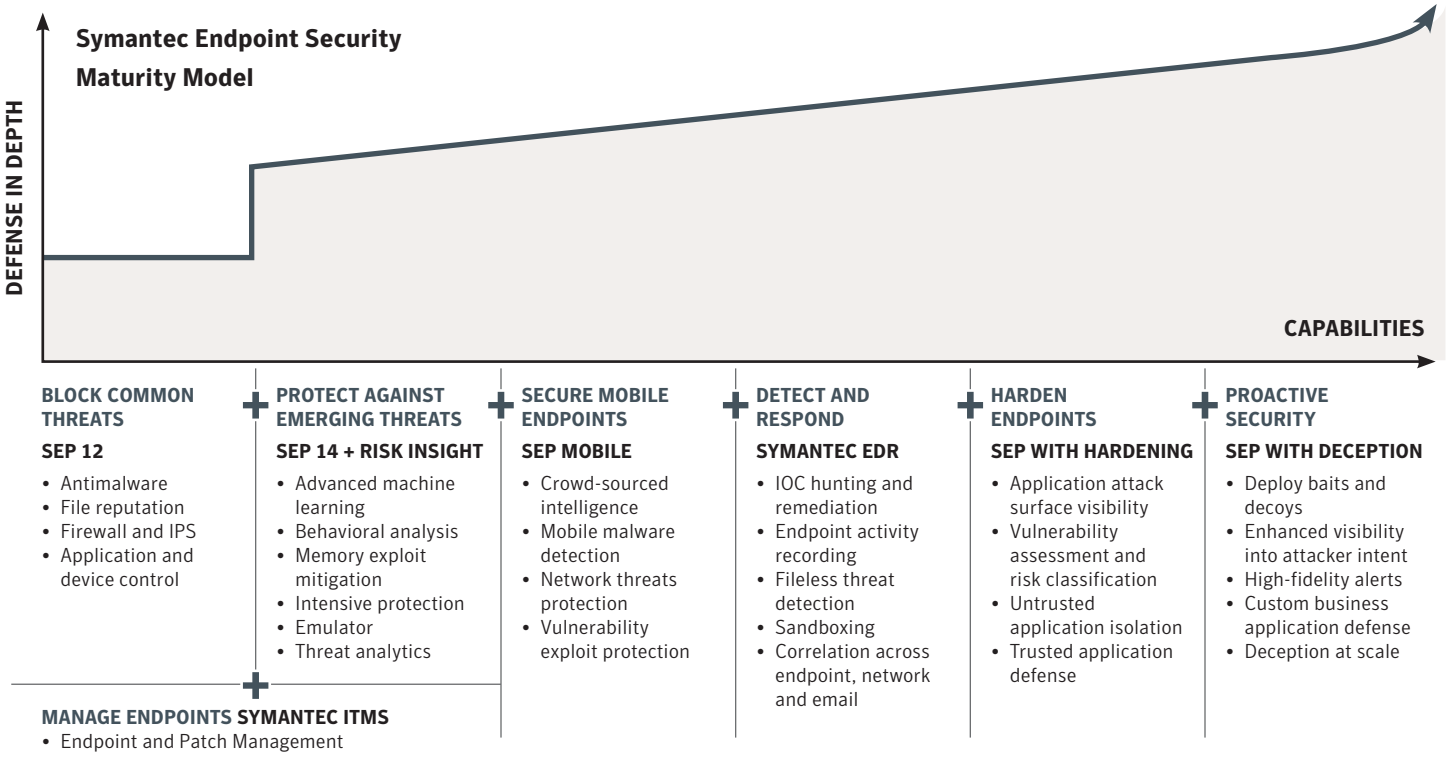
Symantec IT Management Suite—Endpoint patching and management

Symantec Endpoint Management gives you the visibility to securely and efficiently manage all your endpoints: Configure and deploy new devices and apps, manage software licenses, and remediate vulnerabilities by, for example, patching Microsoft products and 50 other leading applications. Works across Windows, Mac, Linux, Unix, and virtual environments. Policy-based management streamlines and automates existing processes, making them repeatable across hundreds or thousands of systems; it also provides detailed reporting to uncover cost savings and increase productivity. Endpoint Management can also monitor the health of the SEP agent, adding a layer of SEP visibility and protection.

[5,6] Symantec Internet Security Threat Report Vol. 23

SEP Maturity Model—Defense-in-Depth framework

The Symantec Endpoint Protection maturity model is your framework for defense in depth across modern and traditional endpoints. With Symantec's integrated, scalable, multilayer approach to endpoint protection, your organization will thwart threats and retain the ability to flexibly step up protection as needed—cost-effectively and from a single agent.



About Symantec

Symantec Corporation (NASDAQ: SYMC), the world's leading cyber security company, helps organizations, governments and people secure their most important data wherever it lives. Organizations across the world look to Symantec for strategic, integrated solutions to defend against sophisticated attacks across endpoints, cloud and infrastructure. Likewise, a global community of more than 50 million people and families rely on Symantec's Norton and LifeLock product suites to protect their digital lives at home and across their devices. Symantec operates one of the world's largest civilian cyber intelligence networks, allowing it to see and protect against the most advanced threats. For additional information, please visit www.symantec.com or connect with us on Facebook, Twitter, and LinkedIn.

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350 Ellis St., Mountain View, CA 94043 USA | +1 (650) 527 8000 | 1 (800) 721 3934 | www.symantec.com

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