

Reverse Proxy S200/S400/S500

Secure and Accelerate Web Applications and Web Sites

At a glance

Problem:

With the increasing threat landscape it's more important than ever to protect, secure and accelerate web applications and web sites.

Solution:

Reverse Proxy

Benefits:

- Reverse proxy architecture
- Robust authentication and policy
- Available upgrade to full Web Application Firewall with OWASP Top 10 coverage
- Integration with advanced threat protections
- Simplifies operations, reduce web servers
- Secure external access

Introduction

Web-based solutions are being implemented for nearly every aspect of business operations, from public websites to mission-critical business applications. As a result, growing security concerns, sluggish performance, and increasing complexity are straining existing web server infrastructures. To secure and accelerate web applications and public websites, organizations turn to Symantec for reverse proxy deployments.

Why Symantec for Reverse Proxy Deployments?

Symantec Reverse Proxy appliances combine robust security, high-performance content delivery, and operational simplicity, allowing organizations to secure and accelerate their web applications and public websites.

Protects Web Servers

- Reverse Proxy securely isolates general-purpose servers from direct Internet access, acting as an intermediary between web applications and the external clients who attempt to access them. Reverse Proxy provides robust authentication and policy support and can either challenge users or transparently check authentication credentials using an organization's existing security framework. For high-performance, low-latency virus scanning of all uploaded content to web servers, Reverse Proxy integrates with Content Analysis and offers a choice of leading anti-virus engines. To ensure confidentiality, Reverse Proxy can be configured to encrypt communications between users and web applications using Secure Sockets Layer (SSL).

Accelerates Web Content

- At the heart of the Reverse Proxy solution is SGOS, a secure, object-based operating system specifically designed to handle web content. SGOS combines patented proxy caching technology with an optimized TCP stack for efficient web content acceleration. SGOS's intelligent use of its integrated cache allows 60-90% of an application's web objects to be cached and served directly to users, further enhancing site performance and scalability. In addition, optional SSL services provide hardware-accelerated key negotiation, encryption, and decryption support.

Simplifies Operations

- An integrated, optimized appliance that combines proxy software and hardware, Reverse Proxy is easy to install, configure, and maintain. The Reverse Proxy's Visual Policy Manager (VPM) provides an intuitive, graphical interface to define and manage a wide range of policy rules. Comprehensive logging and reporting provide detailed accounting information, giving administrators the visibility necessary to assess web usage patterns and track security issues.

Reverse Proxy Enables Organizations To:

- Accelerate delivery of web applications and content through a proxy architecture with integrated caching
- Protect web infrastructure by isolating origin servers from direct Internet access
- Secure external user access to web applications, such as web e-mail, extranets, and public websites, by acting as an SSL termination /origination point
- Save time and money by reducing the number of web servers required
- Implement granular access policies based on users, groups, time of day, location, network address, user agent, and other attributes to meet unique business requirements
- Authenticate clients using existing security framework, including local password files, NTLM, LDAP, RADIUS, one-time passwords, and certificates
- Safeguard their web infrastructure from viruses, worms, and Trojans with real-time anti-malware scanning of all uploaded content
- Deliver high-performance streaming media to thousands of simultaneous users with streaming proxies
- Symantec's Reverse Proxy protection is available as an appliance or virtual appliance and can be upgraded to full Web Application Firewall functionality, including OWASP Top 10 coverage, with a subscription license upgrade

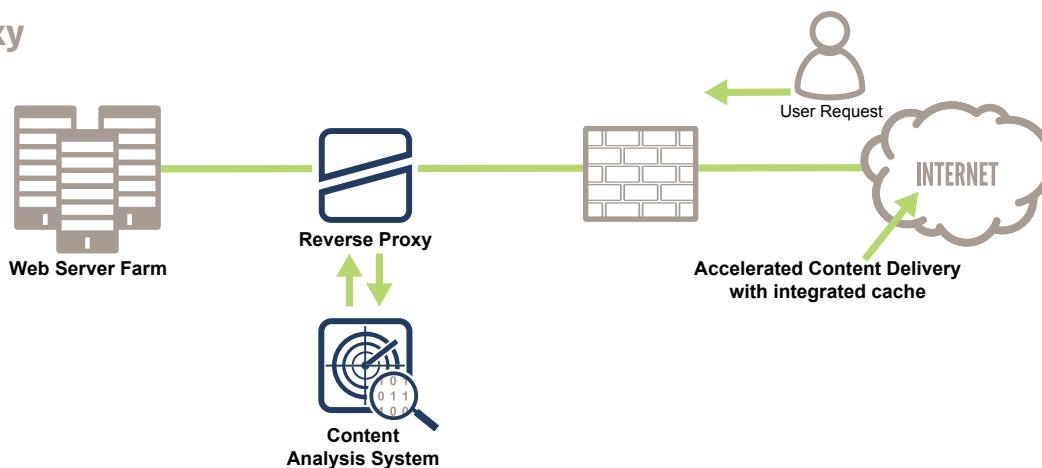
Unmatched Performance and Reliability

- IT administrators can use Reverse Proxy to efficiently scale their web farms to address flash or peak periods of traffic, leveraging advanced features, such as content acceleration, compression, protection against Denial-of-Service attacks, and optional stream splitting and caching.
- Administrators can also use Reverse Proxy to implement a scalable and secured web portal by front-ending web applications such as corporate web e-mail (e.g., Outlook Web Access, Lotus Notes WebMail, Novell Groupwise WebAccess) and web-based business applications (e.g., Siebel, Oracle, SAP).
- For added security, Reverse Proxy can originate and terminate SSL-encrypted sessions between web applications and users. This allows organizations to secure actions such as authentication and message review on both sides of the data stream. To prevent subsequent users to a particular kiosk or workstation from accessing a previous user's account, Reverse Proxy can be configured to erase cached authentication cookies. For added protection, the Reverse Proxy solution can be configured to automatically time out after a specified period of inactivity, enabling administrators to strengthen secure access from public networks.
- Reverse Proxy is built on the leading proxy appliance, ProxySG for securing and accelerating web applications and public websites. Reverse Proxy integrates robust web server protection and accelerated web content delivery in a scalable, centralized proxy architecture that simplifies operations while significantly enhancing network performance.

Editions

- Reverse Proxy is available in Standard and Advanced Editions. Advanced adds ICAP (required for integration with Content Analysis), content filtering and additional authentication capabilities. Reverse Proxy, both Standard and Advanced, are also available as a virtual appliance.

Reverse Proxy



| | SG S200-10 | SG S200-20 | SG S200-30 | SG S200-40 | SG S400-20 | SG S400-30 | SG S400-40 | SG 500-10 | SG 500-20/30 | |
|----------------------------|--|------------|----------------|----------------|--|--------------------------|--------------------------|--|--------------------------------|--|
| Editions | | | | | | | | | | |
| | SRP - Standard Reverse Proxy ARP - Advanced Reverse Proxy | | | | | | | | | |
| System | | | | | | | | | | |
| Disk Drives | 500GB SATA | | 2 x 500GB SATA | 2 x 500GB SATA | 3 x 1TB SAS ¹ | 6 x 1TB SAS ¹ | 8 x 1TB SAS ¹ | 8 x 1TB SAS ¹ | 16 x 1TB SAS ¹ | |
| Boot Device | Single 16GB SSD | | | | 2 x 16GB SSD (dual redundant) 16GB | | | | | |
| RAM | 6GB | 8GB | 8GB | 16GB | 24GB | | 32GB | 64GB | 128GB | |
| Onboard Ports ² | (2) 1000Base-T Copper ports (with bypass) (2) 1000Base-T Copper ports (non-bypass) (1) 10/100Base-T Copper, BMC Management Port | | | | | | | (2) 10Gb Base-T Copper ports (with bypass) (2) 10Gb Base-T Copper ports (non-bypass) (1) 1000Base-T Copper, System Management Port (1) 1000Base-T Copper, BMC Management Port | | |
| Optional NICs | 4x10/100/1000Base-T (Copper with bypass capability) 4x1GbE Fiber-SX (with bypass capability, full height slot only) 4x1GbE Fiber-LX (with bypass capability) | | | | 4x10/100/1000Base-T (Copper with bypass capability) 4x1GbE Fiber-SX (with bypass capability, full height slot only) 4x1GbE Fiber-LX (with bypass capability) 2x10Gb Base-T (Copper with bypass capability) 2x10Gb Base-T (Copper non-bypass) 2x10Gb Fiber (SR with bypass capability) 2x10Gb Fiber (LR with bypass capability) | | | | | |
| Available Slots | 1 full height | | | | 1 full height / 1 half height | | | 2 full height | 2 full height 3 half height | |
| Power Supplies | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |

¹ SAS drives are hot-swappable

² BMC ports are currently disabled. Ports specified as 1000Base-T Copper ports are 10/100/1000Base-T capable, and ports specified as 10Gb Base-T Copper are also 1000Base-T capable.

| Physical Properties | SG S200 | SG S400 | SG S500 |
|------------------------------|---|--|--|
| Dimensions and Weight | | | |
| Dimensions (L x W x H) | 446.3mm x 440.0mm x 43.5mm (17.57in x 17.32in x 1.71in) (chassis only) 454.5mm x 482.6mm x 43.5mm (17.89in x 19.0in x 1.71in) (chassis with extensions) Note: 640mm L (25.81in L) with optional slide rails 1 RU height | 572mm x 432.5mm x 42.9mm (22.5in x 17.03in x 1.69in) (chassis only) 643mm x 485.4mm x 42.9mm (25.3in x 19.11in x 1.69in) (chassis with extensions) 1 RU height | 710mm x 433.3mm x 87.2mm (27.95in x 17.05in x 3.43in) (chassis only) 812.8mm x 433.4mm x 87.2mm (32in x 17.06in x 3.43in) (chassis with extensions) 2 RU height |
| Weight (max) | Approx. 7.4 kg (16.4 lbs) +/- 5% | Approx. 12.8 kg (28 lbs) +/- 5% | Approx. 30kg (66.12 lbs) +/- 5% |
| Operating Environment | | | |
| AC Power | 100-127VAC @ 6A 200-240V @ 3A, 47-63Hz | Dual redundant and hot swappable power supplies 100-127VAC @ 8A, 200-240VAC @ 4A, 47-63Hz | Dual redundant and hot swappable power supplies 100VAC @ 12A, 240VAC @ 5A, 50-60Hz |
| Management Interfaces | 350 Watts | 450 Watts | 1100 Watts |
| Thermal Rating | Typical: 785 BTU/Hr, Max: 1195 BTU/Hr | Typical: 1086 BTU/Hr, Max: 1381 BTU/Hr | Typical: 2598.42 BTU/Hr, Max: 3751 BTU/Hr |
| Optional DC Power | Not available | Input voltage range: 40.5V - 57V Input Max Current: 22A Total Output Power: 770W | Input voltage range: 40 - 72 VDC Input Max Current: 30A Total Output Power: 1100W |
| Temperature | 5°C to 40°C (41°F to 104°F) at sea level | | |
| Humidity | 20 to 80% relative humidity, non-condensing | | |
| Altitude | Up to 3048m (10,000ft) | | |

For All Reverse Proxy S200, S400 and S500 Series

| Regulations | Safety | Electromagnetic Compliance (EMC) |
|-----------------------|---|---|
| International | CB – IEC60950-1, Second Edition | CISPR22, Class A; CISPR24 |
| USA | NRTL – UL60950-1, Second Edition | FCC part 15, Class A |
| Canada | SCC – CSA-22.2, No.60950-1, Second Edition | ICES-003, Class A |
| European Union (CE) | CE – EN60950-1, Second Edition | EN55022, Class A; EN55024; EN61000-3-2; EN61000-3-3 |
| Japan | --- | VCCI V-3, Class A |
| Mexico | NOM-019-SCFI by NRTL Declaration | --- |
| Argentina | S Mark – IEC 60950-1 | --- |
| Taiwan | BSMI – CNS-14336-1 | BSMI – CNS13438, Class A |
| China | CCC – GB4943.1 | CCC – GB9254; GB17625 |
| Australia/New Zealand | AS/NZS 60950-1, Second Edition | AS/ZNS-CISPR22 |
| Korea | --- | KC – RRA, Class A |
| Russia | TP TC 004/2011 | TP TC 020/2011 |
| Environmental | RoHS-Directive 2011/65/EU, REACH-Regulation No 1907/2006 | |
| Product Warranty | Limited, non-transferable hardware warranty for a period of one (1) year from date of shipment. Symantec Hardware Support contracts available for 24/7 software support with options for hardware support. | |
| Gov't Certifications | For further government certification information please contact DL-BC-GROUP-Federal_Certifications@symantec.com | |
| More Info | Contact regulatorycompliance@symantec.com for specific regulatory compliance certification questions and support | |

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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