

SGOS Feature Comparison Matrix

Value of upgrading to SGOS 6.x

Security Features												
Feature	SG 4.3	SG 5.1 (EOL)	SG 5.2 (EOL)	SG 5.3 (EOL)	SG 5.4	SG 5.5	SG 6.1	SG 6.2	SG 6.3	SG 6.4	SG 6.5.1	SG 6.5.2
ICAP tricking (enhanced user experience while downloading large files)			X	X	X	X	X	X	X	X	X	X
ICAP exception page served by ProxySG (enhanced user experience, common look and feel for all exception pages)			X	X	X	X	X	X	X	X	X	X
ICAP failover (support for active – standby configurations)			X	X	X	X	X	X	X	X	X	X
ICAP scan abandonment (performance optimization – if download canceled by user, ProxyAV will stop scanning)			X	X	X	X	X	X	X	X	X	X
ICAP request mode enhancements (performance optimization)			X	X	X	X	X	X	X	X	X	X
Guest authentication (better integration of guest networks and guest users)			X	X	X	X	X	X	X	X	X	X
User login management (allows to control the number of logins per user credentials, etc.)			X	X	X	X	X	X	X	X	X	X
ICAP deferred scanning (performance optimization)				X	X	X	X	X	X	X	X	X
Secure ICAP (allows to encrypt ICAP communication, useful for data privacy reasons when intercepting HTTPS)				X	X	X	X	X	X	X	X	X
ICAP integration in active sessions on-box statistics					X	X	X	X	X	X	X	X
ICAP load balancing enhancements					X	X	X	X	X	X	X	X
Kerberos constrained delegation (MS AD integration to achieve SSO user experience in reverse proxy deployments)					X	X	X	X	X	X	X	X
Kerberos authentication support for explicit proxy deployments					X	X	X	X	X	X	X	X
WebPulse enhancements (automatically exempt "Private Subnets" and "Private Domains" from WebPulse queries)					X	X	X	X	X	X	X	X
IM client version detection (to be able to bypass or block unsupported IM client versions)					X	X	X	X	X	X	X	X
Threat protection GUI node (malware scanning profiles, ProxyAV integration, WebPulse configuration to simplify the configuration of these features)						X	X	X	X	X	X	X
VPM enhancements (new CPL layer and updated objects)						X	X	X	X	X	X	X
IPv6 support for SWG						X	X	X	X	X	X	X
ProxyClient: user and group based web filtering policies, tamper resistance, auto detection of upstream filtering SWG						X	X	X	X	X	X	X
SmartFilter category map version 4 support							X	X	X	X	X	X
Web application controls (monitor and control the use of web applications, incl. application specific operations)								X	X	X	X	X
Max number of IWA (BCAAA) authentication realms increased from 40 to 200 to better support multi-tenant / service provider deployments								X	X	X	X	X
User and group based SSL interception									X	X	X	X
On-box (real-time) web application usage statistics									X	X	X	X
IWA-direct authentication (SG is now able to join a Microsoft Domain without the need for the BCAA agent)									X	X	X	X
SSL proxy: client certificate authentication support (allows administrators to store client certificates on SG and define policies to control how they are used when OCS is requiring client certificates for authentication)									X	X	X	X
SSL proxy: certificate delivery based on OCS trust (enhanced user experience when the web server is presenting an untrusted certificate)									X	X	X	X
SSL proxy: auto-update option for CA certificates (CA certificates can now be updated independent from SGOS releases)									X	X	X	X
Websense and SmartFilter on-box database removal									X	X	X	X
SAML 2.0 Service Provider Capabilities										X	X	X
Multi-domain Support for IWA-Direct Authentication										X	X	X
Web Application Reverse Proxy / WAF: Cookie Signing										X	X	X
SSL proxy: Support for client certificates in SSL re-negotiation handshake										X	X	X
SSL proxy: Automatically retrieve missing intermediate CA certificates										X	X	X
Updated user agent list in VPM										X	X	X
NT Anonymous User / Authenticated User Reported as Workstation Name Auth Handling										X	X	X

Encrypted TAP for HTTPS (Encrypted TAP is now available for intercepted traffic in HTTPS as well as s-tunnel configurations for client connections. This allows you to use Encrypted TAP with ICAP services)													X
SNMP Polling for Health Checks (Health check data may be monitored by SNMP polling, via a new MIB definition)													X

Acceleration Features												
Feature	SG 4.3	SG 5.1 (EOL)	SG 5.2 (EOL)	SG 5.3 (EOL)	SG 5.4	SG 5.5	SG 6.1	SG 6.2	SG 6.3	SG 6.4	SG 6.5.1	SG 6.5.2
Byte Caching (data de-duplication)	NA	X	X	X	X	X	X	X	X	X	X	X
Compression	NA	X	X	X	X	X	X	X	X	X	X	X
Protocol Optimization (application layer optimization)	NA	X	X	X	X	X	X	X	X	X	X	X
TCP optimization	NA	X	X	X	X	X	X	X	X	X	X	X
CIFS and MAPI proxies	NA	X	X	X	X	X	X	X	X	X	X	X
Deployment options: Transparent tunnel	NA	X	X	X	X	X	X	X	X	X	X	X
Deployment options: Explicit tunnel	NA	X	X	X	X	X	X	X	X	X	X	X
HTTPS acceleration (transparent HTTPS termination allows usage of all optimization features)	NA	X	X	X	X	X	X	X	X	X	X	X
SG Client (WAN acceleration for mobile users)	NA	X	X	X	X	X	X	X	X	X	X	X
Trust destination IP to improve DNS speed / resiliency	NA		X	X	X	X	X	X	X	X	X	X
MAPI 2003 proxy	NA		X	X	X	X	X	X	X	X	X	X
Restricted intercept lists for faster troubleshooting (intercept traffic based on source IP addresses)	NA		X	X	X	X	X	X	X	X	X	X
MAPI 2007 proxy	NA			X	X	X	X	X	X	X	X	X
ADN tunnel tcp window size can be calculated automatically (product usability enhancement)	NA			X	X	X	X	X	X	X	X	X
Sky UI (WAN acceleration focused UI)	NA				X	X	X	X	X	X	X	X
Open ADN (product usability / deployment enhancement)	NA				X	X	X	X	X	X	X	X
Default bypassed services (bypass apps that are known to cause issues or when there is no benefit from MACH5)	NA				X	X	X	X	X	X	X	X
MAPI enhancements (performance, MAPI 2003 cross-protocol byte caching support)	NA				X	X	X	X	X	X	X	X
CIFS enhancements (performance, suppress folder customization, visualize "cold" items in Explorer, etc.)	NA				X	X	X	X	X	X	X	X
Trust destination MAC	NA				X	X	X	X	X	X	X	X
Adaptive compression (optimized compression results and SG resource usage)	NA					X	X	X	X	X	X	X
MAPI enhancements (MAPI 2007: cross-protocol byte caching support, batching, keep-alive)	NA					X	X	X	X	X	X	X
CIFS enhancements (content pre-population, SMB signing support, QFI and ADS optimization)	NA					X	X	X	X	X	X	X
Active FTP acceleration enhancements	NA					X	X	X	X	X	X	X
MACH5 Virtual Appliance (32 bit) as additional deployment option	NA					X	X	X	X	X	X	X
SCPS-TP support (better optimization of high latency links)	NA						X	X	X	X	X	X
Asymmetric route detection	NA						X	X	X	X	X	X
Adaptive byte caching (optimized byte caching results and SG resource usage)	NA							X	X	X	X	X
Encrypted MAPI (allows acceleration of encrypted MAPI)	NA							X	X	X	X	X
ADN multi-hop ("last peer detection" / allows deployment in complex, multi-tier network architectures)	NA							X	X	X	X	X
Reflect client-ip configuration for ProxyClient traffic on ADN concentrator (allows concentrator usage for explicit clients and transparent ADN deployments at the same time)	NA							X	X	X	X	X
Byte caching and compression can now be enabled on a service level (usability enhancement)	NA							X	X	X	X	X
Sky UI update (part 1)	NA							X	X	X	X	X
IPv6 support for MACH5	NA							X	X	X	X	X
Sky UI update (part 2)	NA								X	X	X	X
SharePoint caching enhancements	NA								X	X	X	X
ADN enhancements	NA								X	X	X	X
Thin client support (for example ICA; RDP traffic)	NA								X	X	X	X
CIFS enhancements: SMBv2 support	NA								X	X	X	X
CIFS enhancements (support for MacOS and CIFS 2.2)	NA									X	X	X
MAPI Loadbalancing	NA									X	X	X
WAN Optimization Web Wizard	NA									X	X	X
Multi-domain Support for MAPI Acceleration	NA									X	X	X
MAPI Loadbalancing	NA									X	X	X
Updated MACH5 virtual appliance (64 bit)	NA									X	X	X

STunnel proxy: It provides the ability to intercept traffic regardless of the application protocol running over SSL. STunnel gives you visibility into SSL traffic, providing optimization, acceleration, classification, etc.												X	X
IPv6 Service Enhancements: new IPv6 support for NTP and SNMP												X	X
IPv6 Support Enhancements: ProxySG appliance can now: Upload archive configurations to remote IPv6 servers / Upload access logs to an IPv6 server for FTP and HTTP clients / Send messages to IPv6 syslog servers / Send email event notifications using an SMTP gateway that has an IPv6 address / Retrieve IPv6 MIBs												X	X
Adobe HDS streaming: ProxySG tracks the HTTP requests carrying Adobe HDS traffic and presents the information in Active Sessions and in Traffic Mix and Traffic History under Traffic Details in Statistics. The data is reported as Adobe HDS.												X	X
Apple HLS streaming: ProxySG tracks the HTTP requests carrying the Apple HLS, and presents the information in Active Sessions and in Traffic Mix and Traffic History under Traffic Details in Statistics. The data is reported as Apple HLS.												X	X
TLS 1.1 / TLS 1.2 / OpenSSL 1.0.1c Support												X	X
Jumbo Frames Support												X	X
Improved Failure Notification for Subscriptions (After you enable CachePulse, Geolocation, or Application Protection, the ProxySG attempts to download the respective database. If this initial download attempt fails, a download error appears and the health status immediately turns to Critical.)													X
CachePulse Optimization for Internet Caching (caching subscription service that provides you with optimal bandwidth gains for popular or high-bandwidth websites. Subscribing to the service eliminates the need to manually maintain caching policies)													X
PCAP File Size Increase (The PCAP file size has been increased. Prior to 6.5.2, the file size could not exceed 100MB. The PCAP file size is now limited to 3% of the available system memory at startup (not to exceed 4GB). The default packet capture file size is still 100MB)													X
Snapshots Changes (In SGOS 6.5.1 and earlier, ProxySG kept the following number of snapshots by default: sysinfo: 30, sysinfo_stats: 30. The default has changed. ProxySG now keeps the following: sysinfo: 100, sysinfo_stats: 168. In addition, the maximum number of snapshots to keep has been increased to 1000)													X

Hardware - minimum required SGOS versions												
ProxySG	SG 4.3	SG 5.1 (EOL)	SG 5.2 (EOL)	SG 5.3 (EOL)	SG 5.4	SG 5.5	SG 6.1	SG 6.2	SG 6.3	SG 6.4	SG 6.5.1	SG 6.5.2
300-5, 300-10, 300-25	N/A	N/A	N/A	N/A	N/A	5.5.3.31	6.1.5.1	X	X	X	X	X
600-10, 600-20, 600-35	N/A	N/A	N/A	N/A	N/A	5.5.3.31	6.1.5.1	X	X	X	X	X
900-10, 900-20, 900-30, 900-45	N/A	N/A	N/A	N/A	N/A	5.5.6.5	6.1.5.1	6.2.3.3	X	X	X	X
900-10B	N/A	N/A	N/A	N/A	N/A	5.5.7.1	6.1.5.1	6.2.3.3	X	X	X	X
900-55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.2.7.2	6.3.3.1	X	X	X
9000-5, 9000-10, 9000-20	N/A	N/A	N/A	N/A	5.4.8.1	5.5.6.5	6.1.5.1	6.2.3.3	X	X	X	X
9000-20B	N/A	N/A	N/A	N/A	5.4.10.1	5.5.6.5	6.1.5.1	6.2.6.1	X	X	X	X
9000-30, 9000-40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.2.3.3	X	X	X	X
S500-10, S500-20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X
VA-5, VA-10, VA-15, VA-20	N/A	N/A	N/A	N/A	N/A	X	X	X	X	X	X	X
SWG VA-100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	X	X