

Central Management Server (CMS) for SMA

Powerful virtual machine for appliance management, resilience and reporting

SonicWall Central Management Server (CMS) provides a powerful and intuitive solution to centrally manage and rapidly deploy SonicWall Secure Mobile Access (SMA) solutions. For mid-size or large enterprises, CMS streamlines security policy management and appliance deployment, minimizing administration overhead. For Service Providers, CMS simplifies the security management and creates additional revenue opportunities. Administrators can cluster CMS solutions for added redundancy and scalability.

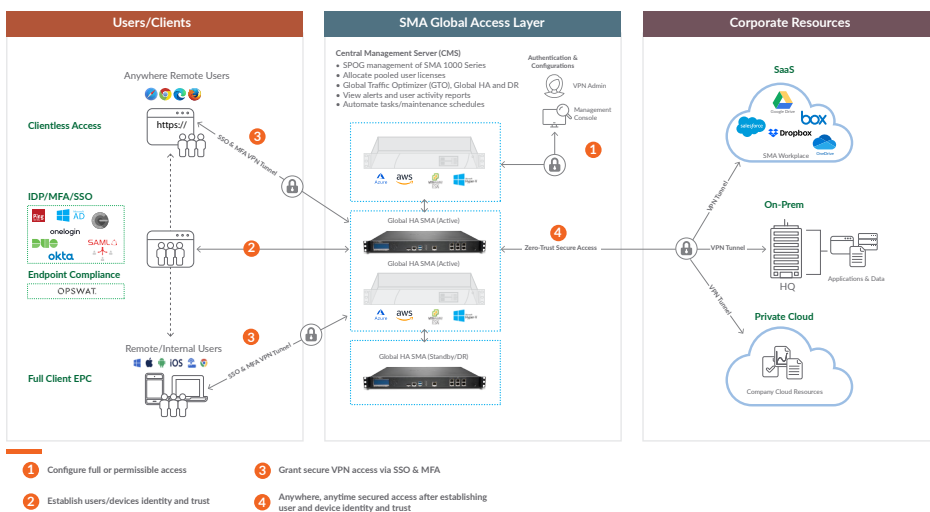
Central Management Server (CMS) for SMA

SonicWall CMS gives organizations a single administrative user interface to manage multiple SMA appliances. CMS

can be deployed in your private cloud as virtual appliance, or on a public cloud using bring your own license (BYOL) on Amazon Web Services (AWS) and Microsoft Azure. The administrator can use the Central Management Console (CMC) of the CMS to manage all SMA appliances, regardless of location. CMS and managed appliances are closely integrated through native communications secured with TLS. CMS does not require a dedicated hardware and runs on any virtual appliance. It manages appliances that run SMA OS v12.1 or higher.

Benefits:

- Supports up to 100 SMA 100 appliances and 1 million concurrent users (CCU).
- Deliver services with near-zero downtime.
- Decrease capital costs with high availability clusters that work in combination of physical and virtual appliances.
- Provide zero-impact failover to users across data centers in a global mesh network.
- Simplify and manage SSL certificates, FIPS licenses and policy roll-outs across appliances or selected appliances.
- Customize the visual dashboards to monitor real-time and historical events.
- Reduce maintenance overhead by automating routine tasks and scheduling activities.
- Get actionable insights you need to make the right decisions.
- Control and predict costs with ease, using simple subscription licensing model.
- Deploy CMS in you private cloud as a virtual appliance, or on a public cloud using bring your own license (BYOL) on Amazon Web Services (AWS) and Microsoft Azure.



Features

Global load-balancing – SonicWall Global Traffic Optimizer (GTO) offers intelligent global load-balancing with zero-impact to users. Traffic is routed to the most optimized and highest performing data center.

Dynamic high availability – Managed appliances that run SMA OS 12.1 or higher can be configured as Active/Active or Active/Standby HA clusters for redundancy, availability and reliability, whether deployed in a single data center or across multiple geographically dispersed data centers.

Zero impact failover – Universal session persistence provides high-performance, low-latency failover in a global high availability cluster. In the event that an SMA appliance goes offline, users do not need to re-enter their credentials for login, thereby providing a frictionless user experience and improving workforce productivity.¹

Scalable performance – Scale performance and eliminate single point of failure by clustering appliances. Horizontal clustering fully supports mixing physical and virtual SMA appliances.

Dynamic licensing – User licenses no longer have to be applied to individual SMA appliances. Users can be distributed and

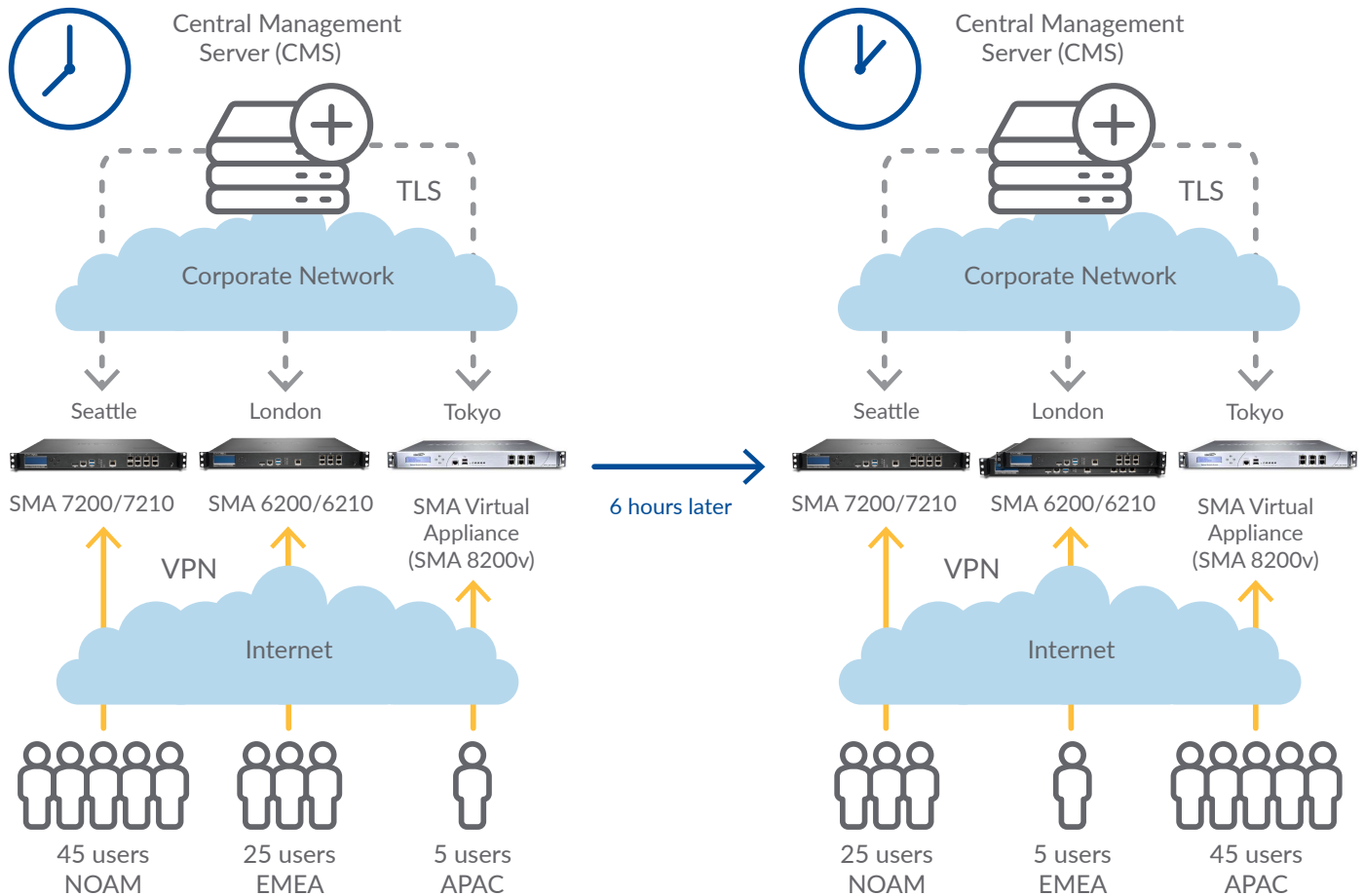
reallocated dynamically among the managed appliances, based on user demand.

Central management – CMS includes the central management console (CMC), which provides centralized, web-based management for all SMA capabilities.

Custom alerts – Alerts can be configured to generate SNMP traps that are monitored by any IT infrastructure Network Management System (NMS). Administrators can also configure alerts for Capture ATP file scans and disk usage for immediate actioning.

Real-time monitoring – SonicWall CMS dashboard provides a single pane of glass view for IT administrators to monitor the health of all the SMA appliances and view useful information such as network activity, license and capacity usage etc.. Administrators can customize the dashboard, visualize the data and generate ad hoc reports with ease using the intuitive interface.

SIEM integration – Real-time output through a SYSLOG export to central SIEM data collectors allows security teams to correlate event driven activities, to understand the end-to-end workflow of a particular user or application. This is critical during security incident management and forensic analysis.



¹Supported in SMA OS v12.1 or above

Automated maintenance – SonicWall CMS comes with a built-in scheduler that enables IT Administrators to automate maintenance tasks such as deploying policies, replicating configuration settings, rolling out firmware patches or upgrades and restarting services, without manual intervention.

24x7 support – No additional support license is required. Round-the-clock coverage is included with central pooled user licenses.

Central User Licenses

User licenses no longer have to be applied to individual SMA appliances. Central Management Server (CMS) can manage a pool of user licenses and dynamically allocate them among managed appliances. The CMS distributes the pool of licenses between the managed appliances based on demand in real-time. In the event that a managed appliance is unable to communicate with CMS, the 'orphaned' appliance can run for 7 days on its leased license and use 100% of CMS user licenses.

Customers with appliances that are globally distributed can benefit from the fluctuating demands for user licenses due to time differences. The CMS reallocates licenses to managed appliances where user demands have peaked from appliances in a different geographic area, where usage has fallen due to off-work/night hours. Customers with appliances that are behind load balancers can benefit from the dynamic distribution of licenses across managed appliances, as the load balancer distributes connection requests across the managed appliances.

SonicWall provides organizations the flexibility to choose the licensing option that best suits their needs. Central user licenses are available as a time-limited subscription option that includes 24X7 support, or as a perpetual option that requires an active termed support contract. For organizations that want a licensing option for specific usage, SonicWall offers tiered options with ActiveSync licenses.²

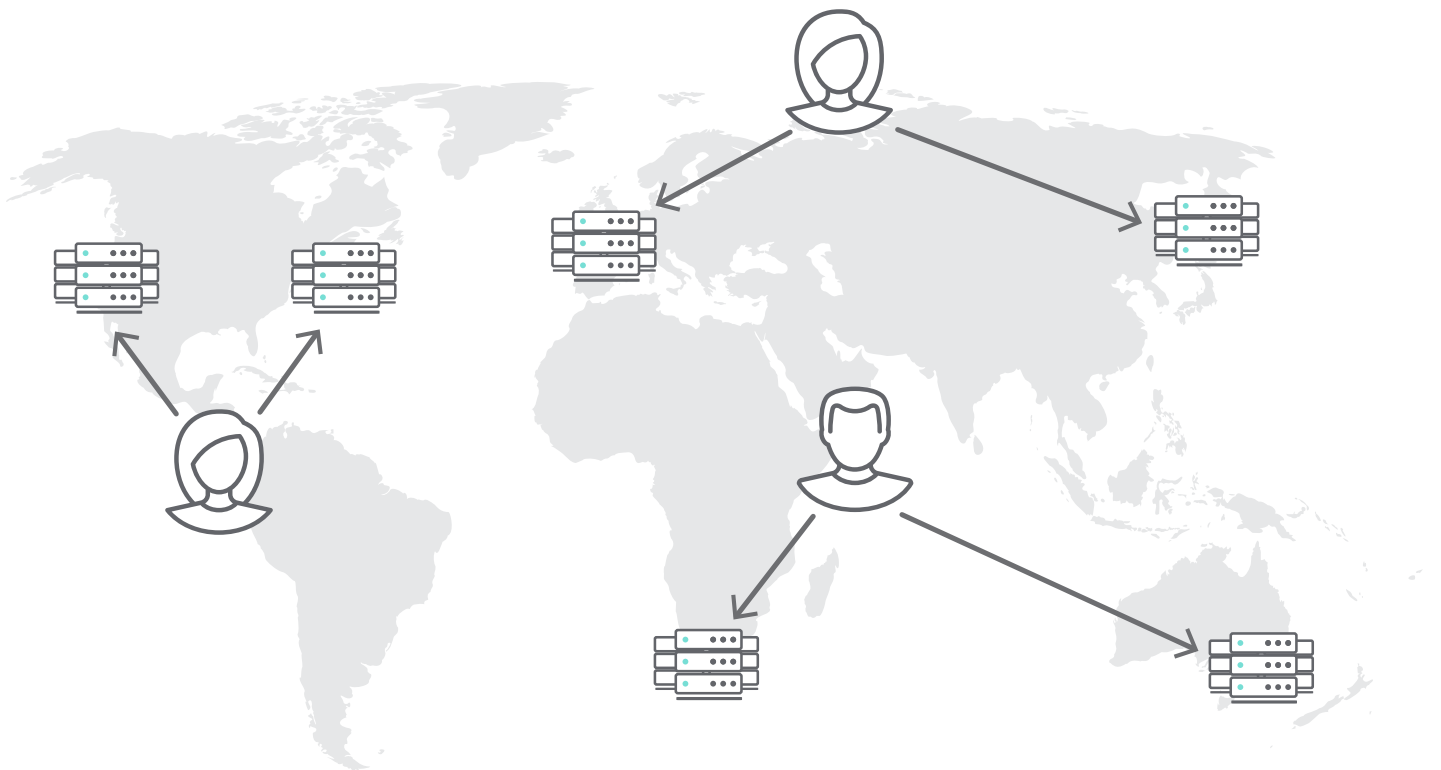
In addition, organizations may scale capacity temporarily during times of business disruptions or emergencies using Spike licenses.³

Global High Availability

The SonicWall CMS provides a turnkey solution to deliver a high degree of business continuity and scalability. Global High Availability (GHA) empowers the service owner through a series of tools to deliver a service with zero downtime and allows service organizations to fulfill very aggressive SLAs.

GHA supports Active/Active and Active/Standby clustering with either a physical or a combination of physical and virtual appliances, whether in a single data center or in a geographically dispersed data center. This significantly reduces upfront capital costs for the customer where appliances are in active use all the time rather than depreciating in a data center waiting for a disaster scenario.

GHA enables SMA appliances to scale performance by deploying multiple appliances, thus eliminating a single point



^{2,3} Supported in SMA OS v12.1 or above. With SMA OS v12.1, a global data store manages and regulates user license consumption across appliances thereby removing dependency on CMS.

of failure. This provides resilience whether IT deploys 2 SMA appliances in the same data center or clusters of up to 100 physical and virtual appliances across multiple data centers around the globe.

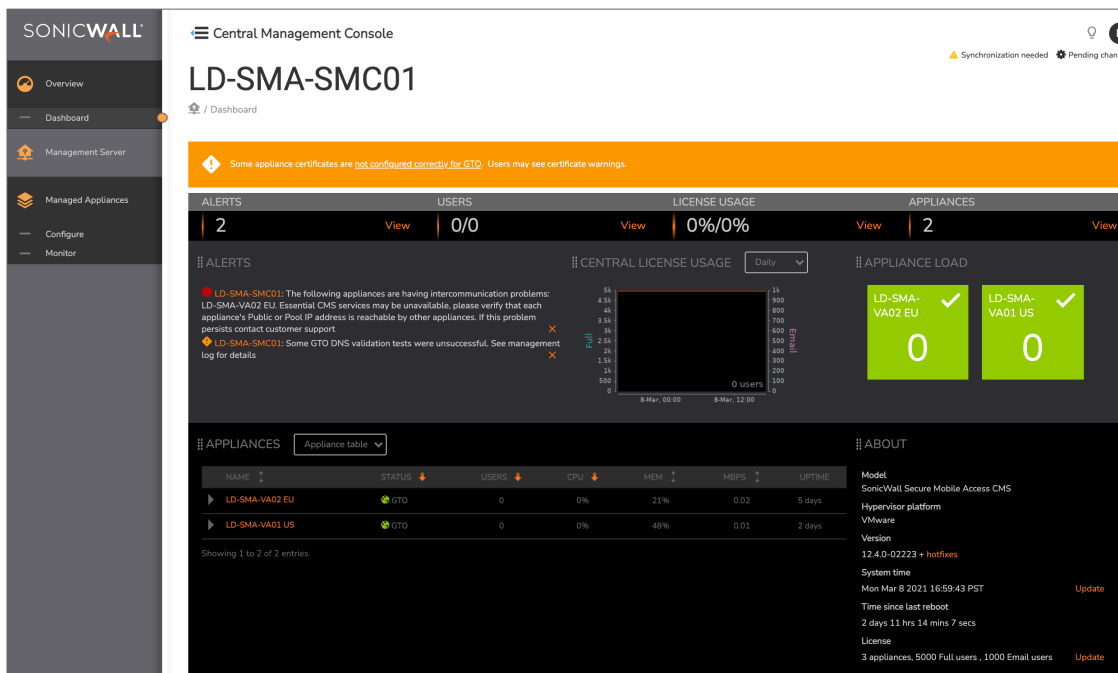
Further, a global data store shares user session state across the mesh network of SMA appliances in an active-active cluster.⁴ This allows for session persistence across data centers around the world. In the event of a failover, users do not need to re-enter credentials, so their experience is frictionless and productivity is not impacted.

Real Time Dashboard

The CMS dashboard displays a quick overview of the appliances being managed. The geographic view shows a visual location of the appliance based on its city and country obtained during configuration. The alerts pane on the dashboard

shows a consolidated view of all currently active alerts. The Alerts are intuitive and color coded to provide a quick status: Red (ERROR), Yellow (WARNING) and Green (OKAY). The dashboard provides real-time data for online managed appliances, and includes Name, Status, Users, CPU usage, Memory usage, Mbps & Uptime.

CMS enables administrators to create system-wide reports and charts, with ability to export to CSV or MS Excel. Administrators can generate ad hoc reports for audit and compliance based on categories (such as Users, Access, Devices, Capture ATP or Network). It enables greater insight into usage trends and remote access events. The near real-time reporting also provides granular drill down to insights, such as the bandwidth consumption, data transferred to users, access zones in use by users, destinations accessed by users and number of user sessions on appliances or realms.



⁴Supported in SMA OS v12.1 or above.

CMS System Requirements

System requirements

Supported OS	SMA OS v12.1 or newer
Supported SMA Appliances	SMA 6200, 6210, 7200, 7210, 8200v
Supported hypervisors	Windows Server 2016 and 2019, VMWare ESXi 5.5 or higher, KVM
Supported Cloud platform	Amazon Web Services (AWS), Microsoft Azure
Recommended RAM	8GB RAM
Recommended CPU	4 CPU
Recommended Disk Space	64 GB

CMS Licensing Options

SonicWall provides the following license options for licensing the CMS

License type	Description
CMS Application (Free Trial)	Customers can download a free trial of the CMS license from the MySonicWall portal, which enables the CMS to manage 3 appliances and 15 users for 1 month. The free trial provides the customer with a serial number and authentication code to enter in CMS console. CMS does not require the appliances to use pooled licenses. CMS also support central management of appliances that consume traditional perpetual licenses.
CMS Appliance (Base)	Customers can upgrade from the free trial to a Base CMS license at no cost. The Base CMS license allows the CMS to monitor and manage up to 3 appliances. The Base CMS license does not have user licenses and does not expire.
CMS Appliance (Full)	Customers who want to manage more than 3 appliances need to purchase the stackable annual license. With this license customer can manage up to 100 appliances. This license expires and needs to be renewed at the end of its term.

CMS Ordering Information

CMS appliance licenses (subscription)

01-SSC-8535	SMA CMS Base + 3 Appliances License (Free)
01-SSC-8536	SMA CMS 100 Appliances License 1Yr

Central user licenses (subscription)

01-SSC-2298	SMA CMS Pooled License 10 User 1Yr
01-SSC-2299	SMA CMS Pooled License 10 User 3Yr
01-SSC-8539	SMA CMS Pooled License 1000 User 1Yr
01-SSC-8542	SMA CMS Pooled License 1000 User 3Yr
01-SSC-5339	SMA CMS Pooled License 50000 User 1Yr
01-SSC-5349	SMA CMS Pooled License 50000 User 3Yr

Central user licenses (perpetual)

01-SSC-2053	SMA CMS Perpetual License 10User
01-SSC-2058	SMA CMS Perpetual License 1000User
01-SSC-2063	SMA CMS Perpetual License 50000User

24X7 Support for central user licenses (perpetual)

01-SSC-2065	SMA CMS 24X7 Support 1Yr 10User
01-SSC-2076	SMA CMS 24X7 Support 3Yr 10User
01-SSC-2070	SMA CMS 24X7 Support 1Yr 1000User
01-SSC-2081	SMA CMS 24X7 Support 3Yr 1000User
01-SSC-2075	SMA CMS 24X7 Support 1Yr 50000User
01-SSC-2086	SMA CMS 24X7 Support 3Yr 50000User

Central ActiveSync licenses (subscription)

01-SSC-2088	SMA CMS Pooled Email License 10User 1Yr
01-SSC-2098	SMA CMS Pooled Email License 10User 3Yr
01-SSC-2093	SMA CMS Pooled Email License 1000User 1Yr
01-SSC-2103	SMA CMS Pooled Email License 1000User 3Yr
01-SSC-2087	SMA CMS Pooled Email License 50000User 1Yr
01-SSC-2108	SMA CMS Pooled Email License 50000User 3Yr

Central Spike licenses

01-SSC-2109	SMA CMS Spike 100User 5Days
01-SSC-2111	SMA CMS Spike 1000User 5Days
01-SSC-2115	SMA CMS Spike 50000User 5Days

Capture Add-on (subscription)

01-SSC-2116	SMA CMS Capture Trial 1Yr
-------------	---------------------------

CMS FIPS add-on (perpetual)

02-SSC-0401	SMA CMS FIPS add-on
-------------	---------------------

For more information on CMS visit our [website](#).
To buy CMS, contact SonicWall sales [here](#).

About SonicWall

SonicWall delivers Boundless Cybersecurity for the hyper-distributed era and a work reality where everyone is remote, mobile and unsecure. By knowing the unknown, providing real-time visibility and enabling breakthrough economics, SonicWall closes the cybersecurity business gap for enterprises, governments and SMBs worldwide. For more information, visit www.sonicwall.com or follow us on [Twitter](#), [LinkedIn](#), [Facebook](#) and [Instagram](#).