



# **NGFW Security Management Center Appliance**

**6.8.1**

**Release Notes**

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# About this release

This document contains important information about this software release for the Forcepoint NGFW Security Management Center Appliance (SMC Appliance). We strongly recommend that you read the entire document.

The SMC Appliance ships with pre-installed Forcepoint NGFW Security Management Center (SMC) software. The pre-installed SMC includes a Management Server and a Log Server. You can alternatively install the SMC Appliance software on a virtualization platform.



### Note

The SMC Appliance does not support high-availability for the Management Server or the Log Server.

# Build number and checksums

The build number for SMC 6.8.1 is 10911. This release contains Dynamic Update package 1267.

Use checksums to make sure that files downloaded correctly.

- 6.8.1U001.sap

```
SHA1SUM:
1b40a963dba453fd1f013602c642b330b2e9ec03

SHA256SUM:
6c3945ad87f329e7037855b1a870ede6f5fc0e4b68cd4d9a7f94e90d4ef1cde4

SHA512SUM:
4827449f495347dad42b06738674bacd
7f22f55821e4eb40ba24110849b5d59d
77da9cf0c7be6598ee71f038bfa1b0d7
9c0f17d29ce25e868ef1794be38d0b56
```

## System requirements on virtualization platforms

As an alternative to using the SMC Appliance software on the pre-installed Forcepoint appliance, you can install the SMC Appliance software on a virtualization platform.



### CAUTION

To protect the privacy of your data, we recommend installing the NGFW Engines, SMC components, or SMC Appliance on a hypervisor that does not host any other virtual machines.

Component	Requirement
Hypervisor	VMware ESXi version 6.0 or higher
Memory	8 GB RAM
Virtual disk space	120 GB
Interfaces	At least one network interface

The .iso installation file that is used to install the SMC Appliance software on a virtualization platform is available only for major versions of the SMC Appliance. To install the maintenance version, first install the .iso for the major version, then upgrade to the maintenance version.

## Compatibility

SMC 6.8 can manage all compatible Forcepoint NGFW Engine versions up to and including version 6.8.



### Important

Some versions of Forcepoint NGFW have reached end-of-life status and no longer receive maintenance releases that contain security updates. Even though these Forcepoint NGFW versions might be compatible with the SMC, we recommend that you use a Long-Term Support version that is still supported. For more information about the Forcepoint NGFW lifecycle policy, see <https://support.forcepoint.com/ProductSupportLifeCycle>.

SMC 6.8 is compatible with the following component versions.

- Forcepoint Next Generation Firewall (Forcepoint NGFW) 6.3 or higher
- McAfee Next Generation Firewall (McAfee NGFW) 5.10
- Stonesoft Firewall/VPN Express 5.5
- McAfee ePolicy Orchestrator (McAfee ePO) 5.3 or higher
- McAfee Enterprise Security Manager (McAfee ESM) 9.2.0 or higher (9.1.0 CEF only)

## New features

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This release of the product includes these new features. For more information and configuration instructions, see the *Forcepoint Next Generation Firewall Product Guide* and the *Forcepoint Next Generation Firewall Installation Guide*.

### UUID license binding for SMC licenses

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When you install the SMC or upgrade the SMC to version 6.8, the SMC generates a Unique Installation Identifier (UUID). As an alternative to binding licenses for SMC components to the IP addresses of the components, you can now bind the SMC licenses to a UUID. Using UUID binding allows organizations to obtain SMC licenses without disclosing the internal IP addresses of the SMC components.



#### Note

The UUID is not stored in SMC backups or restored when you restore a backup. After the UUID is generated, it will not be overwritten when you restore backups or upgrade the SMC in the future.

You can continue to use your existing licenses or optionally change the license binding method. You can use IP-address-bound licenses for some SMC components and UUID-bound licenses for other SMC components.

### Management Client downloads from the Management Server

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Java Web Start is no longer supported in SMC 6.8. As an alternative, you can now configure the Management Server to provide the Management Client installation files on a download web page hosted by the Management Server. Administrators download and install the Management Client from the locally hosted SMC Downloads web page.



#### Note

Management Client downloads are not supported for macOS in SMC 6.8. For administrators who use macOS, we recommend using the SMC Web Access feature.

### SMC Web Access support

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The SMC Web Access feature is now supported on the SMC Appliance. As an alternative to installing the Management Client locally, you can use SMC Web Access to start and run the Management Client in a web browser.

SMC Web Access is enabled by default for new installations of the SMC Appliance. If you upgrade the SMC Appliance to version 6.8.0, you must manually enable SMC Web Access. For instructions, see the upgrade instructions in these release notes.



#### Note

Java Web Start is no longer supported in SMC 6.8.

## Enhancements

This release of the product includes these enhancements.

### Enhancements in SMC version 6.8.0

Enhancement	Description
Easier configuration of dynamic link selection for NGFW Engines	It is now possible to select Link Usage Profile elements for NGFW Engines in the Firewall/VPN role to define which link types are preferred, avoided, or not used for specific types of outbound Multi-Link traffic. NGFW Engine-specific exceptions to the Link Usage Profile also allow you to specify which traffic uses specific NetLinks.
Re-authentication when using browser-based user authentication	If an end user has authenticated using browser-based user authentication and the session will soon expire, the user can re-authenticate to extend the authentication time-out and avoid connections closing before the user has finished their tasks.
Custom script upload for NGFW Engines when using Custom Properties Profile elements	To upload custom scripts to the NGFW Engine, you can add the scripts to the properties of the NGFW Engine using a Custom Properties Profile element. The scripts are uploaded when the policy is installed or refreshed.
Expiration time for one-time passwords	You can now set the expiration time for one-time passwords that are generated when you save the initial configuration for an NGFW Engine. If the one-time password is not used, it automatically expires after the expiration time has elapsed. By default, one-time passwords expire after 30 days.
PPPoE support on VLAN interfaces	You can now configure point-to-point protocol over Ethernet (PPPoE) for dynamic IP addresses that are assigned to VLAN interfaces.
User domain support for integrated ICAP servers for DLP	NGFW integration with external ICAP servers for DLP now uses the WinNT schema in the X-Authenticated-Users header instead of the Local schema that was used previously. Using the WinNT schema allows matching users against a user domain in the user directory on the ICAP server.

### Enhancements in SMC version 6.8.1

Enhancement	Description
Tool to remove old backups	The smca-backup-remove command has been added to remove old SMC Appliance backup files.

Enhancement	Description
More granular identification of Microsoft Office 365 network applications	<p>Starting from dynamic update package 1300, the Microsoft-Office-365 Network Application element includes dependencies that allow more granular identification of Microsoft Office 365 in traffic.</p> <p>No action is required if you use the Microsoft-Office-365 Network Application element in the following types of rules:</p> <ul style="list-style-type: none"> <li>■ Access rules with the Allow, Discard, Refuse, or Jump action</li> <li>■ NAT rules</li> </ul> <p>If you use the Microsoft-Office-365 Network Application element in an access rule with the Continue action, you must manually add the Network Application elements that are listed as dependencies. Options that are configured in a rule with the Continue action are not automatically applied to dependencies.</p> <p>For more information, see Knowledge Base article <a href="#">19195</a>.</p>

## Resolved issues

These issues are resolved in this release of the product. For a list of issues fixed in a previous release, see the Release Notes for the specific release.

Description	Issue number
In an environment with multiple Management Servers, the active Management server might be shown as isolated from database replication due to "file system failure" after the connection to another Management Server has failed. After the connection has been restored, replication does not recover automatically.	SMC-23634
The Convert Engine to Master NGFW Engine and Virtual NGFW Engines wizard fails to apply changes on the "Define Interface for the Master NGFW Engine" page when you try to assign multiple interfaces to a Virtual Resource at the same time.	SMC-28595
When you create custom Situation elements, the elements might be shown in the Management Client by the situation ID only.	SMC-28617
The first policy refresh after upgrading the SMC might fail.	SMC-28626
When you use SMC Web Access, manually saving a report as a PDF fails.	SMC-28631
For external tests, the path to the script file on the command line has a limit of 80 characters.	SMC-28639
In rare cases, normal logs might be sent as alerts.	SMC-28748
When the SMC API is used to add an IP address to an existing Virtual NGFW Engine interface, antispoofing is not configured correctly.	SMC-28781
It is not possible to remove an IPv4 DHCP server from an NGFW Engine interface.	SMC-28792
When you upload a policy on multiple NGFW Engines, the progress tab shows only the "operation finished" status.	SMC-29135
When you delete a Virtual NGFW Engine, the Master NGFW Engine might not be notified of the deletion. As a result, the policy of the Master NGFW Engine refers to a Virtual NGFW Engine that no longer exists and policy installation fails.	SMC-29306

Description	Issue number
Hardware monitoring incorrectly reports Half / Forced for an interface when the NGFW Engine does not provide data for send values for speed, duplex, and auto-negotiation. This issue occurs on interfaces where negotiation settings cannot be changed.	SMC-29310
When you create an inspection rule from a log entry, saving the policy fails and an "invalid element" error message is shown.	SMC-29317
The details are not always refreshed when you select different NGFW Engine nodes in the Home view.	SMC-29380
With a Master NGFW Engine, monitoring of routes does not work reliably during policy installation.	SMC-29497
Viewing or comparing snapshots might fail and the following error message might be shown: "Database problem. DB Transaction failed while processing transaction".	SMC-29529
Aliases for which no value has been defined are not visible in the Engine Editor. The Alias elements can still be edited outside of the Engine Editor.	SMC-29581
Expression elements might be incorrectly shown as having related sub-elements. This issue makes it difficult to edit the expressions.	SMC-29629
When the Log Server has been configured to forward log data in different formats to different external hosts, the Log Server might send log data in the wrong format for some hosts.	SMC-29701
When you configure host name for the SSL VPN Portal, host names that end with .ye are not accepted.	SMC-30353
When there is an empty Group element in the source or destination cell of a rule, the whole rule might be ignored even if there are other elements in the same source or destination cell.	SMC-30542

## Install the SMC Appliance

Use these high-level steps to install the SMC Appliance.

For detailed information about installing the SMC Appliance and the NGFW Engines, see the *Forcepoint Next Generation Firewall Installation Guide*. All guides are available for download at <https://support.forcepoint.com/Documentation>.

### Steps

- 1) Turn on the SMC Appliance.
- 2) Select the keyboard layout for accessing the SMC Appliance on the command line.
- 3) Accept the EULA.
- 4) Enter the account name and password.  
For credential requirements, see the *Forcepoint Next Generation Firewall Installation Guide*.
- 5) Make your security selections.
- 6) Complete the network interface and network setup fields.

- 7) Enter a host name for the Management Server.
- 8) Select the time zone.
- 9) (Optional) Configure NTP settings.
- 10) After the SMC Appliance has restarted, install the Management Client.  
As an alternative to installing the Management Client locally, you can use SMC Web Access to start and run the Management Client in a web browser. SMC Web Access is enabled by default for new installations of the SMC Appliance.
- 11) Import the licenses for all components.  
You can generate licenses at <https://stonesoftlicenses.forcepoint.com>.
- 12) Create the NGFW Engine elements, then install and configure the NGFW Engines.

## Upgrade the SMC Appliance

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Use an upgrade patch to upgrade the SMC Appliance from a previous version to version 6.8.1.

There are two kinds of SMC Appliance patches:

- Hotfix patches include improvements and enhancements for the current SMC Appliance version. Hotfix patch files use the letter P as a separator between the version number and the patch number. Example: 6.8.1P001
- Upgrade patches upgrade the SMC Appliance to a new version. Upgrade patch files use the letter U as a separator between the version number and the patch number. Example: 6.8.1U001

We recommend checking the availability of SMC Appliance patches regularly, and installing the patches when they become available. For detailed information about installing SMC Appliance patches, see the *Forcepoint Next Generation Firewall Installation Guide*.

- SMC 6.8 requires an updated license.
  - If the automatic license update function is in use, the license is updated automatically.
  - If the automatic license update function is not in use, request a license upgrade on our website at <https://stonesoftlicenses.forcepoint.com>. Activate the new license using the Management Client before upgrading the software.
- The SMC Appliance must be upgraded before the NGFW Engines are upgraded to the same major version.
- You can upgrade from the following SMC versions:
  - 6.4.7 – 6.4.10
  - 6.5.1 – 6.5.16
  - 6.6.0 – 6.6.5
  - 6.7.0 – 6.7.4
  - 6.8.0
- If you configured SNMP for the SMC Appliance before upgrading to version 6.4.0 or higher, you must configure SNMP again.

You can upgrade the SMC Appliance using the Management Client or using the appliance maintenance and bug remediation (AMBR) patching utility on the command line of the SMC Appliance.

## Upgrade the SMC Appliance in the Management Client

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You can use the Management Client to upgrade the SMC Appliance. In some certified environments, you must use the Management Client to install SMC Appliance patches.

**Steps** ⓘ For more details about the product and how to configure features, click **Help** or press **F1**.

- 1) Start the Management Client.
- 2) Select ⚙️ **Configuration**, then browse to **Administration**.
- 3) Browse to **SMC Appliance Patches**.
- 4) Download or import the 6.8.1U001 patch file.
  - To download the 6.8.1U001 patch using the Management Client, right-click the 6.8.1U001 patch, then select **Download SMC Appliance Patch**.
  - If you manually downloaded the 6.8.1U001 patch, right-click **SMC Appliance Patches**, select **Import SMC Appliance Patches**, browse to the 6.8.1U001 patch file, then click **Import**.
- 5) Right-click the 6.8.1U001 patch file, then select **Activate**.
- 6) (Optional) To allow administrators to start and run the Management Client in a web browser, enable the SMC Web Access feature after the upgrade is complete.
  - a) Log on to the SMC Appliance.
  - b) To enable the SMC Web Access feature, enter the following command:

```
sudo /usr/local/forcepoint/smc/bin/sgActivateWebswing.sh
```
  - c) When prompted, enter your SMC user credentials.

When the configuration is complete, administrators can start and run the Management Client in a web browser.

## Upgrade the SMC Appliance on the command line

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You can use the AMBR patching utility to patch or upgrade the SMC Appliance on the command line.

## Steps

1) Log on to the SMC Appliance.

2) To check for available upgrade patches, enter the following command:

```
sudo ambr-query -u
```

3) To load the patch on the SMC Appliance, enter the following command:

```
sudo ambr-load 6.8.1U001
```

If you downloaded the patch and transferred it to the SMC Appliance, append the load command with the `-f` option and specify the full path to the patch file. Example:

```
sudo ambr-load -f /var/tmp/6.8.1U001.sap
```

4) To install the patch on the SMC Appliance, enter the following command:

```
sudo ambr-install 6.8.1U001
```

The installation process prompts you to continue.

5) Enter `Y`.

The installation process restarts the appliance and installs the patch. When the upgrade is finished, the appliance restarts. The appliance is now running SMC Appliance 6.8.1.

6) (Optional) To allow administrators to start and run the Management Client in a web browser, enable the SMC Web Access feature after the upgrade is complete.

a) Log on to the SMC Appliance.

b) To enable the SMC Web Access feature, enter the following command:

```
sudo /usr/local/forcepoint/smc/bin/sgActivateWebswing.sh
```

c) When prompted, enter your SMC user credentials.

When the configuration is complete, administrators can start and run the Management Client in a web browser.

# Known issues

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For a list of known issues in this product release, see Knowledge Base article [18381](#).

# Find product documentation

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On the Forcepoint support website, you can find information about a released product, including product documentation, technical articles, and more.

You can get additional information and support for your product on the Forcepoint support website at <https://support.forcepoint.com>. There, you can access product documentation, release notes, Knowledge Base articles, downloads, cases, and contact information.

You might need to log on to access the Forcepoint support website. If you do not yet have credentials, create a customer account. See <https://support.forcepoint.com/CreateAccount>.

# Product documentation

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Every Forcepoint product has a comprehensive set of documentation.

- *Forcepoint Next Generation Firewall Product Guide*
- Forcepoint Next Generation Firewall online Help



## Note

By default, the online Help is used from the Forcepoint help server. If you want to use the online Help from a local machine (for example, an intranet server or your own computer), see Knowledge Base article [10097](#).

- *Forcepoint Next Generation Firewall Installation Guide*

Other available documents include:

- *Forcepoint Next Generation Firewall Hardware Guide* for your model
- *Forcepoint NGFW Security Management Center Appliance Hardware Guide*
- *Forcepoint Next Generation Firewall Quick Start Guide*
- *Forcepoint NGFW Security Management Center Appliance Quick Start Guide*
- *Forcepoint NGFW SMC API Reference Guide*
- *Forcepoint VPN Client User Guide* for Windows or Mac
- *Forcepoint VPN Client Product Guide*

