



# **FlexEdge Secure SD- WAN Manager**

**7.2.6**

**Release Notes**

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# About this release

This document contains important information about this release of Forcepoint FlexEdge Secure SD-WAN Manager. We strongly recommend that you read the entire document.

For detailed information about changes introduced in the SMC API since the previous version, see the automatically generated change log reports in the `api_change_log.zip` file in the `Documentation/SMC_API` folder of the SMC installation files.

## Product name change

Starting from Forcepoint FlexEdge Secure SD-WAN version 7.1 release the product name has changed from Forcepoint NGFW to Forcepoint FlexEdge Secure SD-WAN. The primary changes are listed below:

Component	Old name	New name
Solution	Forcepoint NGFW	Forcepoint FlexEdge Secure SD-WAN
Management	Security Management Center (SMC)	FlexEdge Secure SD-WAN Manager / SD-WAN Manager Console (SMC)
Engine	NGFW Engine	FlexEdge Secure SD-WAN Engine

Currently, product name change is visible in SMC and in the following documentations:

- *Forcepoint FlexEdge Secure SD-WAN Manager API User Guide*
- *Forcepoint FlexEdge Secure SD-WAN Installation Guide*
- *Forcepoint FlexEdge Secure SD-WAN Product Guide*

- [Forcepoint FlexEdge Secure SD-WAN online help](#)
- [Forcepoint FlexEdge Secure SD-WAN Quick Start Guide](#)

For more information on SMC UI terminology change, refer to the **About this Help** section in the *Forcepoint FlexEdge Secure SD-WAN Product Guide*.



#### Note

- 1) Some documentations, knowledge base articles, and other support information are still using the old product name.
- 2) There is no change in the Engine local user interface.
- 3) The IPS role has transitioned now from L2FW mode to L3FW mode.

## Deprecated Features

### Web Portal User Interface

Web Portal User Interface is deprecated and is not available by default. Web Portal Server is still available to host Web Access.

### Monitoring third-party devices

Support for monitoring third-party devices in SMC is now discontinued.

### Working with diagram elements

The diagram feature for generating a model of a network diagram in SMC UI is now discontinued.

### VMware NSX Integration

Support for VMware NSX Integration in SMC is now discontinued.

## System requirements

To use this product, your system must meet these basic hardware and software requirements.

## SMC hardware requirements

You can install the SMC on standard hardware.

Component	Requirement
CPU	Intel® Core™ family processor or higher recommended, or equivalent on a non-Intel platform
Disk space	<ul style="list-style-type: none"> <li>■ Management Server: 6 GB</li> <li>■ Log Server: 50 GB</li> </ul>

Component	Requirement
Memory	<ul style="list-style-type: none"> <li>■ Management Server, Log Server, Web Portal Server: 16 GB RAM</li> <li>■ If all SMC servers are on the same computer: 32 GB RAM</li> <li>■ If you use the SMC Web Access feature: an additional 2 GB RAM per administrator session</li> <li>■ Management Client: 2 GB RAM</li> </ul> <p>The SMC server requirements are the <i>minimum</i> requirements. The Management Server and Log Server in particular benefit from having more than the minimum amount of RAM.</p> <p>On high-end appliances that have a lot of RAM, the SMC might not provision the maximum amount of RAM for use by the SMC servers. For information about how to manually modify the provisioning, see Knowledge Base article <a href="#">33316</a>.</p>
Management Client peripherals	<ul style="list-style-type: none"> <li>■ A mouse or pointing device</li> <li>■ Display with 1280x768 resolution or higher</li> </ul>

## Operating systems

You can install the SMC on the following operating systems. Only 64-bit operating systems are supported.

Linux	Microsoft Windows
<ul style="list-style-type: none"> <li>■ Red Hat Enterprise Linux 7, 8, and 9</li> <li>■ SUSE Linux Enterprise 12 and 15</li> <li>■ Ubuntu 20.04 LTS and 22.04 LTS</li> <li>■ Amazon Linux 2 Kernel 15</li> </ul>	<p>Standard and Datacenter editions of the following Windows Server versions:</p> <ul style="list-style-type: none"> <li>■ Windows Server 2022</li> <li>■ Windows Server 2019</li> <li>■ Windows Server 2016</li> </ul> <p>On Windows 10, you can install the SMC in demo mode. You can also install the Management Client.</p>

We recommend that you only use operating system versions that are currently supported by the vendor.

Other versions of the listed operating systems might be compatible, but have not been tested. Only U.S. English language versions of the listed operating systems have been tested, but other locales might also be compatible.

## Build number and checksums

The build number for SMC 7.2.6 is 11590. This release contains Dynamic Update package 1901.

Use checksums to make sure that files downloaded correctly.

- **smc\_7.2.6\_11590.zip**

```
SHA256SUM:  
2ce0cdc690c3b50ec45fd30d0f2d6c911d7ab38c6aa6d59637de3ee02ee6abc5  
  
SHA512SUM:  
578d3ad75dc791e8215c5dc569efd9f4  
7810d6e053c798f1e4275403871b0549  
df3536f2a88ad8efe206f204492fea5d  
efb5fc11c197a1d2772ae9cf3cbe0e01
```

- **smc\_7.2.6\_11590\_linux.zip**

```
SHA256SUM:  
9a7a5d7f8cfd9939ad1331f1ded625685f9a96d619ffa86a0f792bf6d3f3c6a8  
  
SHA512SUM:  
d93744e6943f193727393db6529564b2  
7257b0405208984d6c7932fba5c40238  
0689dbcd6d977769cc11d2fcade1aa30  
d292dee6b5d4f592c698ad61b6baad6e
```

- **smc\_7.2.6\_11590\_windows.zip**

```
SHA256SUM:  
0a4172ad2d97025a5c27ed9efa0172b81aede3876f1dc3db6bf2763a36dc2278  
  
SHA512SUM:  
2b0935afa00957137671273cfbde2629  
875e3b81400de7c0b71e97c339e18ce2  
f724939aacf02b3e370130eb5417ed25  
5e4642ff5a304dcaac217be35dcc8e2c
```

## Compatibility

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SMC 7.2 can manage all compatible Secure SD-WAN Engine versions up to and including version 7.2.

SMC 7.2 is compatible with Engine 6.8 or higher.

## New features

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This release of the product includes these new features. For more information and configuration instructions, see the *Forcepoint FlexEdge Secure SD-WAN Product Guide*, the *Forcepoint FlexEdge Secure SD-WAN Installation Guide*, and the *Forcepoint NGFW Manager and VPN Broker Product Guide*.

### Starting from SMC version 7.2.1, the following features are supported:

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- **Adaptive Forward Erasure Correction (FEC) for SD-WAN tunnels**

The FEC feature helps to control errors in data transmission over an unreliable or noisy communication channel.

When FEC is enabled, the engine sends a combination of M data packets, N correction packets, and metadata information in a data set through a link to the destination. This allows recovering up to N missing data packets within one set of data and correction packets.

For more information, see the *Adaptive Forward Erasure Correction (FEC) for SD-WAN tunnels* topic in the *Forcepoint FlexEdge Secure SD-WAN Product Guide*.

#### ■ Backup unit support for single node engines

You can now configure hot standby backup unit for single node engines. This enables high availability configurations for scenarios that are only supported in single node engine, such as dynamic interfaces.

For more information, see the *Configure a backup unit or a connection synchronization for external high availability* topic in the *Forcepoint FlexEdge Secure SD-WAN Product Guide*.

#### ■ Connection Synchronization for External High Availability

You can now configure two separate single node engines to synchronize their connection tables. This enables building high availability (HA) setups where HA is controlled by an external entity such as 3rd party load balancer.

For more information, see the *Configure a backup unit or a connection synchronization for external high availability* topic in the *Forcepoint FlexEdge Secure SD-WAN Product Guide*.

## Starting from SMC version 7.2.0, the following feature is supported:

#### ■ Multi-Link packet duplication


By configuring the Multi-Link packet duplication feature you can enable duplication of traffic packets over multiple links that are sent to the same destination. This eliminates all packet loss due to link failure or delay in packet loss detection.

For more information, see the *Multi-Link packet duplication* topic in the *Forcepoint FlexEdge Secure SD-WAN Product Guide*.

## Enhancements

This release of the product includes these enhancements.

### Enhancements in Secure SD-WAN version 7.2.2

Enhancement	Description
Radius authentication for engine log in	<p>It is now possible to configure engines so that local administrators are authenticated via RADIUS. Also, it is possible to control if the root admin can log in only from local console or via network using SSH. RADIUS authentications of engine supports access-challenge methods.</p> <div>  <p><b>Note</b></p> <p>This enhancement is only supported on engine versions 7.1.3 or later, and 7.2.2 or later.</p> </div>

Enhancement	Description
Added an option to mute the warning of duplicate IP addresses upon element save.	You can now permanently accept and bypass future warning dialogs about elements with duplicate IP addresses when saving the elements in SMC.
Added an override option for SMC API Client password settings	<p>The <b>Password Policy</b> settings now has the new <b>Enforce Password Settings for SMC API accounts separately</b> option. When enabled, the following password policy settings can be controlled separately for API clients:</p> <ul style="list-style-type: none"> <li>■ Allow Logon Only From Listed IP Addresses</li> <li>■ Password Expires After</li> <li>■ Minimum Number of Characters in Password</li> </ul>

## Enhancements in Secure SD-WAN version 7.2.1

Enhancement	Description
Added the access-challenge method support to the Radius 2FA authentication	SMC administrator authentication using RADIUS Authentication Method now also supports challenge-response methods.
Support for IPv6 address in the PPPoE interface is added	<p>SMC managed single engine can now have both dynamic IPv4 and IPv6 addresses in its PPPoE interface.</p> <p>For more information, see the <i>Add point-to-point protocol clients to Single Engine interfaces</i> topic in the <i>Forcepoint FlexEdge Secure SD-WAN Product Guide</i>.</p>
Added new function to SMC API.	You can now also change domain logo by using SMC API.
SD-WAN dashboard VPN tunnels widget	The SD-WAN dashboard VPN tunnels widget for branches now no longer defaults to only filter for low health status tunnels.
Support to switch domains within SMC Web Access UI is added	<p>You can now use the Main menu in the SMC WEB Access UI to switch domains.</p> <p>To switch domain, navigate to <b>Menu &gt; File &gt; Windows</b>, and then select an option from the list of domain sessions.</p>
Visual clue is displayed in the policy tab when a policy install needs admin to take action	SMC now displays a visual clue in the policy tab when a policy install has stopped and is waiting for admin to take action with <b>Continue</b> or <b>Abort</b> button.
Deletion of referred elements in SMC are now made easier.	<p>When you delete an element in SMC, to preserve the database integrity the server validates any references to and from that element. Those references may need to be removed to resolve the conflict before the element can be removed from the database.</p> <p>There are hard references that require action and soft references that do not prevent the deletion.</p> <p>Therefore, elements are differentiated as follows:</p> <ul style="list-style-type: none"> <li>■ Hard reference are in bold characters.</li> <li>■ Soft reference are in italic characters.</li> </ul>

## Enhancements in SMC version 7.2.0

Enhancement	Description
OpenSearch support added	<p>The OpenSearch search engine support is now added. You can choose from the following search engine options:</p> <ul style="list-style-type: none"><li>■ Elasticsearch</li><li>■ OpenSearch</li></ul> <p>For more information, see the <i>Create an Elasticsearch Cluster element</i> topic in the <i>Forcepoint FlexEdge Secure SD-WAN Product Guide</i>.</p>

## Resolved and known issues

For a list of resolved and known issues in this product release, see Knowledge Base article [42350](#) .

## Security updates

For information about third-party packages and associated vulnerabilities included with SMC in this product release, see Knowledge Base article [42352](#) .

## Installation instructions

Use these high-level steps to install the SMC and the Secure SD-WAN Engines.

For detailed information, see the *Forcepoint FlexEdge Secure SD-WAN Installation Guide*. All guides are available for download at <https://support.forcepoint.com/s/article/Documentation-Featured-Article>.

### Steps

- 1) Install the Management Server, the Log Servers.
- 2) Import the licenses for all components.  
You can generate licenses at <https://stonesoftlicenses.forcepoint.com>.
- 3) Configure the Engine elements in the Management Client from the **Configuration** view.
- 4) To generate initial configurations, right-click each Secure SD-WAN Engine, then select **Configuration > Save Initial Configuration**.  
Make a note of the one-time password.
- 5) Make the initial connection from the Secure SD-WAN Engines to the Management Server, then enter the one-time password.



- 6) Create and upload a policy on the Secure SD-WAN Engines in the Management Client.

## Upgrade instructions

Take the following into consideration before upgrading the SMC.



### Note

The SMC (Management Server, Log Server, and Web Portal Server) must be upgraded before the Secure SD-WAN Engines are upgraded to the same major version.

- SMC 7.2 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 in the Management Client before upgrading the software.
- To upgrade a lower version of the SMC to 7.2, we strongly recommend that you stop all SMC servers and create a backup before continuing with the upgrade. After creating the backup, run the appropriate setup file, depending on the operating system. The installation program detects the old version and does the upgrade automatically.
- When you upgrade the SMC, the dynamic update package that is included with the SMC installer is imported and activated. However, if a newer version of the dynamic update package has previously been imported or downloaded before the upgrade, the newest version is activated instead.
- You can upgrade from the following SMC versions; however, only the latest maintenance release and LTS versions are tested. Hence, It is recommended to upgrade to the latest LTS release of SMC, regardless of FlexEdge Secure SD-WAN Engine versions being managed.
  - 6.8.0 – 6.8.15 (LTS release versions)
  - 6.9.0 – 6.9.3
  - 6.10.0 – 6.10.18 (LTS release versions), 6.10.100
  - 6.11.0 – 6.11.2
  - 7.0.0 – 7.0.4
  - 7.1.0 – 7.1.8 (LTS release versions)
  - 7.2.0 – 7.2.4

## Find product documentation

In the Forcepoint Customer Hub, 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 in the Forcepoint Customer Hub 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 Customer Hub. If you do not yet have credentials, create a customer account. To create a customer account, navigate to the Customer Hub Home page, and then click the **Create Account** link.

# Product documentation

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Every Forcepoint product has a comprehensive set of documentation.

- *Forcepoint FlexEdge Secure SD-WAN Product Guide*
- *Forcepoint FlexEdge Secure SD-WAN 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 FlexEdge Secure SD-WAN Installation Guide*

Other available documents include:

- *Forcepoint Hardware Guide* for your model
- *Forcepoint FlexEdge Secure SD-WAN Quick Start Guide*
- *Forcepoint FlexEdge Secure SD-WAN Manager API User Guide*
- *Forcepoint VPN Client User Guide* for Windows or Mac
- *Forcepoint VPN Client Product Guide*
- *Forcepoint NGFW Manager and VPN Broker Product Guide*

