



**FlexEdge
Secure
SD-
WAN
Manager
Appliance**

7.2.1

Release Notes

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About this release

This document contains important information about this software release for the Forcepoint FlexEdge Secure SD-WAN Manager Appliance (SMC Appliance). We strongly recommend that you read the entire document.

The SMC Appliance ships with pre-installed Forcepoint FlexEdge Secure SD-WAN Manager 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 7.2.1 is 11553. This release contains Dynamic Update package 1707.

Use checksums to make sure that files downloaded correctly.

- 7.2.1P001.sap

```
SHA256SUM:  
ed48447babf6b5145fe3f2fdc86cae750ed2411ece87a548c5658ab6ac3e185a
```

```
SHA512SUM:  
b3370f0ad7da3da88b2a33565509d511  
71fd638ff16079eee13e03b942e09a6e  
601d244c38804836bf66e3000a738fde  
eb2b503cdad3f5319cb51f44e41c69fa
```

- 7.2.1U001.sap

```
SHA256SUM:
928a0242a1c9bae40912073ad47a8727c322c2bf75c01482b0106a97cd5c78f1

SHA512SUM:
7aa2c623aec633423afdca1adb00d8c1
13a2e4f21111a236e0fe03d821cbb66f
0ccd1d2bd83f02d0de6c868be4b0db32
330b5beb1e29c4a1d194db7f41f36f0d
```

- smca-7.2.1-11553.x86_64.iso

```
SHA256SUM:
388a7662006c0071c79ee3a0de5492a423fcc38ed232fd3a0858486d4119556c

SHA512SUM:
0625292ad2a9d7e2b4b8779c1cb0d1b9
3f182a5479cc26670c9e9ceffec5bfec
8a2a3e3a1967fa1f0e82a3158b9b0250
ef1ac36a5f837752167ae5542ec242c6
```

System requirements

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

Forcepoint appliance requirements

This release supports the following SKUs for the Forcepoint SMC Appliance:

- SMCAP
- SMCAPG5



Note

For these appliances only the normal SMC license is required.

Virtualization platform requirements

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.

Component	Requirement
Hypervisor	VMware ESXi version 6.0 or higher
Memory	16 GB RAM
Virtual disk space	128 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.

**Important**

Running a SMC Appliance on virtual platform or any other hardware other than SMCAP or SMCAPG5 requires the FPSMCVA feature pack license to be added to normal SMC license.

Compatibility

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

Also, SMC 7.2 is only compatible with Forcepoint FlexEdge Secure SD-WAN version 6.8 or higher.

New features

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

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

- **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*.

Enhancements

This release of the product includes these enhancements.

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"> ■ Elasticsearch ■ OpenSearch <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>

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 Menu > File > Windows, and then select an option from the list of domain sessions.</p>

Enhancement	Description
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 Continue or Abort 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"> ■ Hard reference are in bold characters. ■ Soft reference are in italic characters.

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](#).

Install the SMC Appliance

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

For detailed information about installing the SMC Appliance and the Secure SD-WAN Engines, 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) 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 FlexEdge Secure SD-WAN 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 and set DNS servers.
- 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 Secure SD-WAN Engine elements, then install and configure the Secure SD-WAN Engines.

Upgrade the SMC Appliance

Use an upgrade patch to upgrade the SMC Appliance from a previous version to version 7.2.1.

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: 7.2.1P001
- 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: 7.2.1U001

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 FlexEdge Secure SD-WAN Installation Guide*.

The following features are removed and are no longer supported:

- ATD Server. This feature is only supported on engine versions 5.8 to 6.3.
- ePO Server.
- BrightCloud situations and categories. This feature is only supported on engine version 6.4 and older.

Before you upgrade, if any of the legacy BrightCloud URL category situations or tags are referenced in policies, filters, or reports, you must remove these references or change references to point to the current URL categories.

Navigate to **Configuration > Engine > Other Elements > Network Applications** to remove or change references of the legacy BrightCloud URL category situations or tags.

The BrightCloud situations are identified with their name that has the pre-fix "BC_".

The following is the list of BrightCloud categories:

- URL Filtering
- Games / Gambling
- Lifestyle
- Drugs
- Information / Technology
- Society / Education / Religion
- Mature / Violent
- Purchasing
- Risk / Fraud / Crime
- Business / Services
- BrightCloud System Situations
- Entertainment / Culture
- Pornography / Nudity
- Information / Communication
- Network Bandwidth Loss
- Productivity Loss
- Security Risk
- Legal Liability
- Business Usage



Important

Before you upgrade, remove these elements or change them to current supported features in your SMC configuration.

- 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 using the Management Client before upgrading the software.
- The SMC Appliance must be upgraded before the Secure SD-WAN Engines are upgraded to the same major version.
- 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 NGFW Engine versions being managed. For detailed information on how to upgrade SMC Appliance to a new version, see *Forcepoint FlexEdge Secure SD-WAN Installation Guide*.
 - 6.10.13 - 6.10.14
 - 7.1.1 - 7.1.3



Note

Attempting an upgrade to 7.2.1 from any other version will result in an error when loading the patch: ERROR: Unable to load 7.2.1U001.sap to /var/ambr/downloaded. ERROR: wrong tag ERROR: Failed to load: 7.2.1U001.sap You must upgrade to 6.10.13 or 7.1.1 before attempting an upgrade to 7.2.1.

For detailed information on how to upgrade the SMC Appliance from a version that is not listed above to a newer version, see Knowledge Base article [41318](#) .

- 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. For detailed information, see *Forcepoint FlexEdge Secure SD-WAN Product Guide*.

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. See <https://support.forcepoint.com/CreateAccount>.

Product documentation

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 FlexEdge Secure SD-WAN Hardware Guide* for your model
- *Forcepoint FlexEdge Secure SD-WAN Manager Console Appliance Hardware Guide*
- *Forcepoint FlexEdge Secure SD-WAN Quick Start Guide*
- *Forcepoint FlexEdge Secure SD-WAN Manager Console Appliance 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*

