



SMTP/ SMTPS Health Monitor

Avi Technical Reference (v20.1)

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Overview

The SMTP (Simple Mail Transfer Protocol) health monitor is used to monitor SMTP services. It can be configured to send mail to multiple recipients.

On successful transfer SMTP monitor will mark the server up, else it will mark the server down. A basic SMTP health monitor will check if the server is up or down by sending `ELHO NOOP QUIT` commands.

Configuring SMTP Specific Monitor

Field	Description	Optional/ Mandatory
Sender ID	Sender Mail ID	Optional
Recipients ID	Multiple recipients mail IDs	Optional
Mail data	Mail data which need to be sent	Optional
Domain Name	Sender mail domain name	Optional
Username	Sender username (present under general health monitor configuration under authentication)	Optional
Password	Sender password (present under general health monitor configuration under authentication)	Optional
SSL Attributes	Required for SMTPS (secure SMTP) monitor	Mandatory for SMTPS (SSL Profile Attribute)

Note: Currently these can be configured only using the CLI.

Configuring Basic SMTP Health Monitor from CLI

This will list mailboxes present by sending `LIST` command after `CAPA` and user authentication.

```
[admin:avi-controller]: > configure healthmonitor example-basic-smtp-hm
[admin:avi-controller]: healthmonitor> type health_monitor_smtp
[admin:avi-controller]: healthmonitor> save
```

Configuring SMTPS Health Monitor from CLI

The SMTP health monitor will check if server is up or down by sending complete mail over secure channel.

```
[admin:avi-controller]: > configure healthmonitor example-smtps-hm
[admin:avi-controller]: healthmonitor> type health_monitor_smtps
[admin:avi-controller]: healthmonitor> smtps_monitor
[admin:avi-controller]: healthmonitor:smtps_monitor> sender_id xyz
[admin:avi-controller]: healthmonitor:smtps_monitor> recipients_ids user1
```

```
[admin:avi-controller]: healthmonitor:smtps_monitor> recipients_ids user2
[admin:avi-controller]: healthmonitor:smtps_monitor> mail_data "HELLO!"
[admin:avi-controller]: healthmonitor:smtps_monitor> domainname example.com
[admin:avi-controller]: healthmonitor:smtps_monitor> ssl_attributes
[admin:avi-controller]: healthmonitor:smtps_monitor:ssl_attributes> ssl_profile_ref System-Standard
[admin:avi-controller]: healthmonitor:smtps_monitor:ssl_attributes> save
[admin:avi-controller]: healthmonitor:smtps_monitor> save
[admin:avi-controller]: healthmonitor> authentication
[admin:avi-controller]: healthmonitor:authentication> username xyz
[admin:avi-controller]: healthmonitor:authentication> password vvhvdlsh
[admin:avi-controller]: healthmonitor:authentication> save
[admin:avi-controller]: healthmonitor> save
```

The following are the SSL configurations used for SMTPS health monitor:

- **SSL Profile ?** Select an existing SSL Profile or create a new one, as required. This defines the ciphers and SSL versions to be used for the health monitor traffic to the backend servers.
- **PKI profile ?** Select an existing PKI profile or create a new one, as required. This will be used as to validate the SSL certificate presented by the server.
- **SSL key and certificate ?** Select an existing SSL Key and Certificate or create a new one, as required.

Document Revision History

Date	Change Summary
April 15, 2021	Published SMTP Health Monitor Guide