

Migrating FortiAnalyzer-VM licenses to VM-S

You can apply a VM subscription license (VM-S) on top of an existing FortiAnalyzer-VM license, allowing you to migrate your FortiAnalyzer-VM (perpetual) to the VM-S (subscription) model. FortiAnalyzer will use the new license's serial number and notify all connected FortiGate models of the change.

To migrate a FortiAnalyzer-VM license to VM-S:

1. Download your new subscription license file from FortiCare, which includes the new serial number. In this example, the old serial number is *FAZ-VMTM20012786* and the new serial number is *FAZVMSTM21002251*.
2. On the FortiAnalyzer-VM currently using a perpetual license, run the CLI command: `exec migrate serial-number-list <new serial number>`. After running the command, OFTP will automatically restart.

For example:

```
FAZVM64 # exec migrate serial-number-list FAZVMSTM21002251
After execute migrate serial number list, oftpd will restart!
Do you want to continue? (y/n)y
```

3. After a short wait, check on the FortiAnalyzer side to ensure that each FortiGate is connected, and select one or more FortiGates to check to see if the new serial number has been recognized.
 - a. On the FortiAnalyzer side, run the `diagnose test application oftpd 3` command to check the status of connected FortiGate devices.

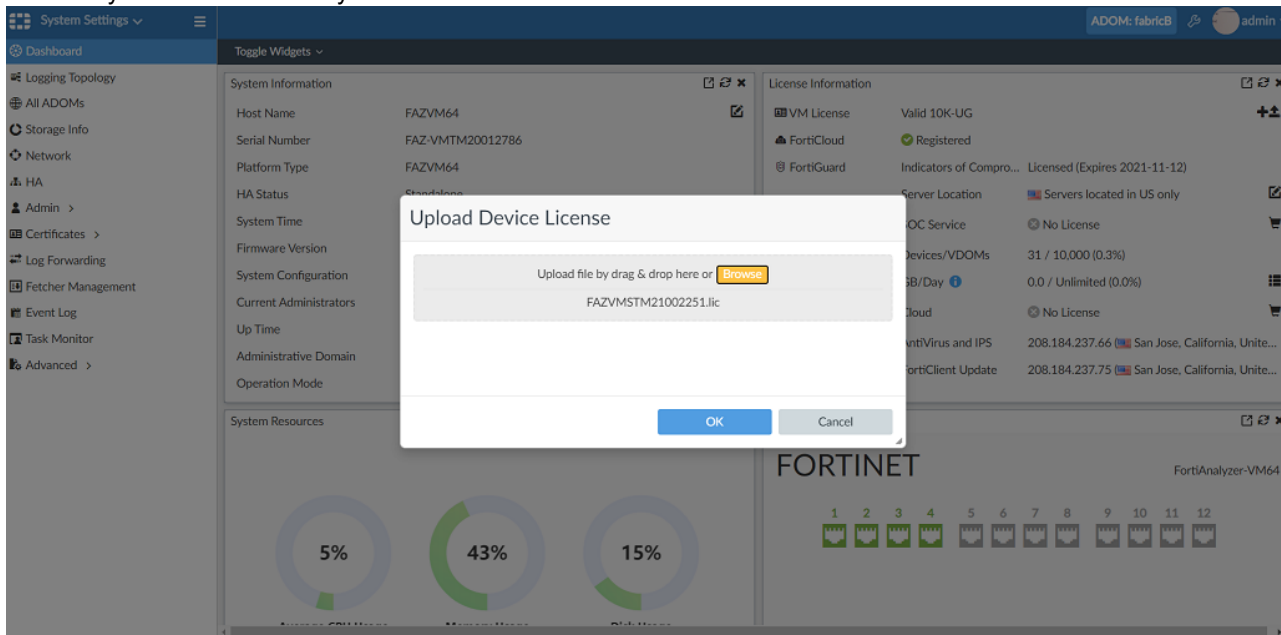
```
FAZVM64 # diagnose test application oftpd 3
# SN HOSTNAME IP UPTIME IDLETIME #PKTS
-----
1 FGVMSLTM21000399 FortiGate-VM-213 10.4.90.213 2s 2s 2
2 FGVMSLTM21000416 FortiGate-VM-214 10.4.90.250 3s 2s 6
3 FGVMSLTM21000398 FortiGate-VM-212 10.4.90.212 8s 8s 3
4 FGVMSLTM21000399 FortiGate-VM-213 10.4.90.213 9s 9s 5
5 FGVMSLTM21000417 FortiGate-VM-215 10.4.90.250 9s 4s 7
6 FEVM040000218711 mail01 10.4.90.250 23s 23s 1
7 FGVMSLTM21000399 FortiGate-VM-213 10.4.90.213 2s 1s 4
8 FGVMSLTM21000416 FortiGate-VM-214 10.4.90.250 3s 3s 3
9 FGVMSLTM21000398 FortiGate-VM-212 10.4.90.212 8s 3s 7
10 FGVMSLTM21000399 FortiGate-VM-213 10.4.90.213 9s 9s 3
11 FGVMSLTM21000417 FortiGate-VM-215 10.4.90.250 9s 9s 3
12 FGVMSLTM21000416 FortiGate-VM-214 10.4.90.250 9s 9s 3
```

- b. On the FortiGate side, run the `config log fortianalyzer setting` command. The serial number(s) shown below are used to notify FortiGate that FortiAnalyzer's serial number will change later. The new serial number(s) will not take effect until the new VM-S license files are installed.

```
FortiGate-VM-212 (global) # config log fortianalyzer setting
FortiGate-VM-212 (setting) # get
status : enable
ips-archive : enable
server : 10.4.90.216
certificate-verification: enable
serial : "FAZ-VMTM20012786" "FAZVMSTM21002251"
preshared-key :
access-config : enable
enc-algorithm : high
ssl-min-protocol-version: default
conn-timeout : 10
```

```
monitor-keepalive-period: 5
monitor-failure-retry-period: 5
certificate :
source-ip :
interface-select-method: auto
upload-option : realtime
reliable : enable
priority : default
max-log-rate : 0
```

4. Install the new VM-S license file through the FortiAnalyzer GUI. FortiAnalyzer will automatically reboot once the license file has been added.



5. After the FortiAnalyzer reboots, use the following CLI commands on FortiAnalyzer to verify that FortiGate devices are able to connect and send logs, and check that the new serial number and VM license information has been migrated to VM-S on FortiAnalyzer.

```
FAZ #: diag test app oftp 3
FAZ #: diag debug vminfo
FAZ #: get sys status
```

Migrating FortiAnalyzer-VM licenses to VM-S

The screenshot displays the FortiAnalyzer VM management interface. On the left is a navigation menu with options like Dashboard, Logging Topology, All ADOMs, Storage Info, Network, HA, Admin, Certificates, Log Forwarding, Fetcher Management, Event Log, Task Monitor, and Advanced. The main area is divided into three sections:

- System Information:** Shows details for host FAZVM64, including serial number FAZVMSTM21002251, platform type FAZVM64, HA status Standalone, system time Wed Jul 28 18:01:50 2021 PDT, firmware version v7.0.1-build0113 210715 (GA), and operation mode set to Analyzer.
- System Resources:** Features three donut charts showing usage percentages: 23%, 43%, and 15%.
- CLI Console:** Contains terminal output for two commands:


```
FAZVM64 # diag test application oftpd 3
# SN HOSTNAME IP UPTIME IDLETIME #PKTS
-----
1 FGVMSLM21000399 FortiGate-VM-213 10.4.90.213 24s 24s 2
2 FGVMSLM21000399 FortiGate-VM-213 10.4.90.213 24s 21s 4
3 FGVMSLM21000417 FortiGate-VM-215 10.4.90.250 24s 20s 4
4 FGVMSLM21000398 FortiGate-VM-212 10.4.90.212 24s 24s 4
5 FEVM040000218711 mail01 10.4.90.250 35s 35s 1
6 FGVMSLM21000417 FortiGate-VM-215 10.4.90.250 24s 24s 2
7 FGVMSLM21000416 FortiGate-VM-214 10.4.90.250 24s 21s 4
8 FGVMSLM21000416 FortiGate-VM-214 10.4.90.250 24s 24s 2
9 FGVMSLM21000398 FortiGate-VM-212 10.4.90.212 24s 24s 2

FAZVM64 # diag debug vminfo
VM license is valid.
lds_code : 200
Type: VM-S
Expired in : 366 days 20 hours 50 minutes
Licensed GB/Day: 5
Max devices: 10000
Management IP: 1.1.1.1
VM UUID: 75b34d56-bcfb-62e3-2673-0bbb28cfbdc4

FAZVM64 # get sys status
Platform Type : FAZVM64
Platform Full Name : FortiAnalyzer-VM64
Version : v7.0.1-build0113 210715 (GA)
Serial Number : FAZVMSTM21002251
BIOS version : 04000002
Hostname : FAZVM64
Max Number of Admin Domains : 5
Admin Domain Configuration : Enabled
FIPS Mode : Disabled
HA Mode : Stand Alone
Branch Point : 0113
Release Version Information : GA
Current Time : Wed Jul 28 18:01:31 PDT 2021
Daylight Time Saving : Yes
Time Zone : (GMT-8:00) Pacific Time (US & Canada).
X86-64 Applications : Yes
```

Change Log

Date	Change Description
2021-08-12	Initial release.