



## **UFM Configuration Backup and Restore**

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# Overview

UFM migration enables backup and restores UFM configuration files.

## Backup UFM configuration

By default, the following folders (placed in /opt/ufm/files) are being backed up:

- conf
- dashboardViews
- licenses
- networkViews
- scripts
- sqlite
- templates/user-defined
- ufmhealth/scripts
- userdata
- users\_preferences

### **Note**

The user may also backup the UFM historical telemetry data ("-t" argument).

## UFM (Bare Metal)

```
/opt/ufm/scripts/ufm_backup.sh --help
usage: ufm_backup.pyc [-h] [-f BACKUP_FILE] [-t]
```

## Optional Arguments

-h	--help	show this help message and exit
-f	--backup-file BACKUP_FILE	full path of zip file to be generated
-t	--telemetry	backup UFM historical telemetry

## UFM Docker Container

1. Backup UFM configuration. Run:

```
docker exec ufm /opt/ufm/scripts/ufm_backup.sh
```

2. Copy the backup file from UFM docker container to the host. Run:

```
docker cp ufm:/root/<backup file> <path on host>
```

## UFM Appliance

1. Backup UFM configuration. Run:

```
ufm data backup [with-telemetry]
```

2. Upload the backup file to a remote host. Run:

```
ufm data upload <backup file> <upload URL>
```

### **(i) Note**

More details can be found in the log file `/tmp/ufm_backup.log`.

## Restore UFM Configuration

### **(i) Note**

All folders which are a part of the UFM backup are restored (filter is done during the backup stage).

## UFM Bare Metal

```
/opt/ufm/scripts/ufm_restore.sh --help  
usage: ufm_restore.pyc [-h] -f BACKUP_FILE [-u] [-v]
```

### Optional Arguments

<code>-h</code>	<code>--help</code>	show this help message and exit
<code>-f</code> <code>BACKUP_FILE</code>	<code>--backup-file</code> <code>BACKUP_FILE</code>	full path of zip file generated by backup script
<code>-u</code>	<code>--upgrade</code>	upgrades the restored UFM files
<code>-v</code>	<code>--verbose</code>	makes the operation more talkative

## UFM Docker Container

1. Stop UFM. Run:

```
docker exec ufm /etc/init.d/ufmd stop
```

2. Copy the backup file from the host into UFM docker container. Run:

```
docker cp <backup file> ufm:/tmp/<backup file>
```

3. Restore UFM configuration. Run:

```
docker exec ufm /opt/ufm/scripts/ufm_restore.sh -f /tmp/<backup file> [--upgrade]
```

4. Start UFM. Run:

```
docker exec ufm /etc/init.d/ufmd start
```

## UFM Appliance

1. Stop UFM. Run:

```
no ufm start
```

2. Copy the backup file from a remote host into UFM appliance. Run:

```
ufm data fetch <download URL>
```

3. Restore UFM configuration. Run:

```
ufm data restore <backup file>
```

4. Start UFM. Run:

```
ufm start
```

### **Note**

When restoring the UFM configuration from host to a container, the following parameters in `/opt/ufm/files/conf/gv.cfg` may be reset the following:

- fabric\_interface
- ufma\_interfaces
- mgmt\_interface

### **Note**

UFM configuration upgrade during restore is not supported in UFM Appliance GEN2/GEN2.5

More details can be found in the log files `/tmp/ufm_restore.log` and `/tmp/ufm_restore_upgrade.log`