

flexVDI Manager Clusterization

Prerequisites

This section shows how to configure **flexVDI Manager** in High Availability. After this, if the *flexVDI Host* that is running the *flexVDI Manager* fails, another instance of the *flexVDI Manager* will be started on another host automatically. The requirements to clusterize are:


- Having registered at least two *flexVDI Hosts* in *the flexVDI Manager*. This task can be done through the **flexvdi-config** command.
- Having shared storage accessible by the *flexVDI Hosts*: SAS, *ISCSI*, ...
- Having the same virtual bridge (for instance virbr0) connected to the same LAN in all *flexVDI Hosts*.
- It is highly recommended to have a dedicated network interface for storage.

Storage configuration

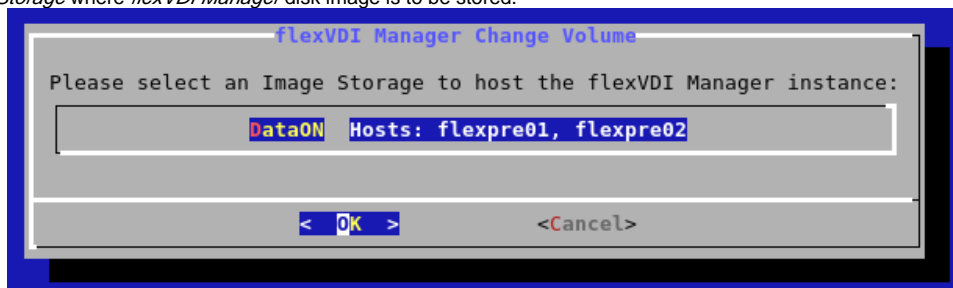
You must use disks shared between the *flexVDI Hosts* to store the disk image of the instance *flexVDI Manager*, so that it can be started in any of them. To do this, you must create an *Image Storage*, and within it a *Volume*. This task must be done with the flexVDI Dashboard application. Read the the section on this guide about [configuring storage objects](#) to learn more. Note that you can store the *flexVDI Manager* in an *Image Storage* that is reachable by only a subset of all the *Hosts*. In that case, only those *Hosts* will be able to start a *flexVDI Manager* instance.

flexVDI Manager Clusterization

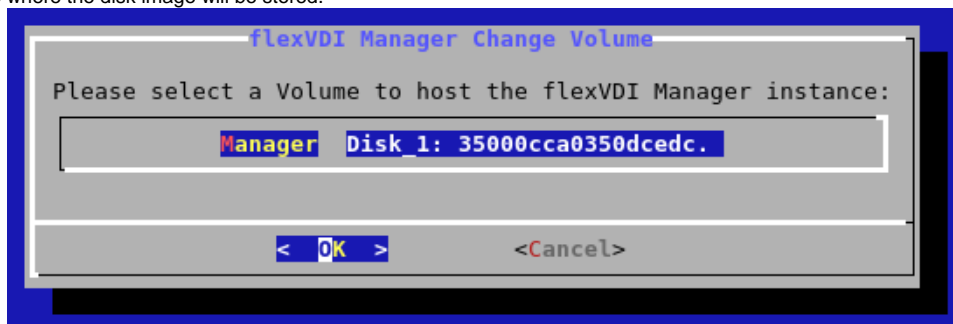
Once the shared *Volume* has been created, you can clusterize your instance of *flexVDI Manager* executing *flexVDI Config* on any host.

 You can move the *flexVDI Manager* instance to a different *Volume* at any time following this very same process.

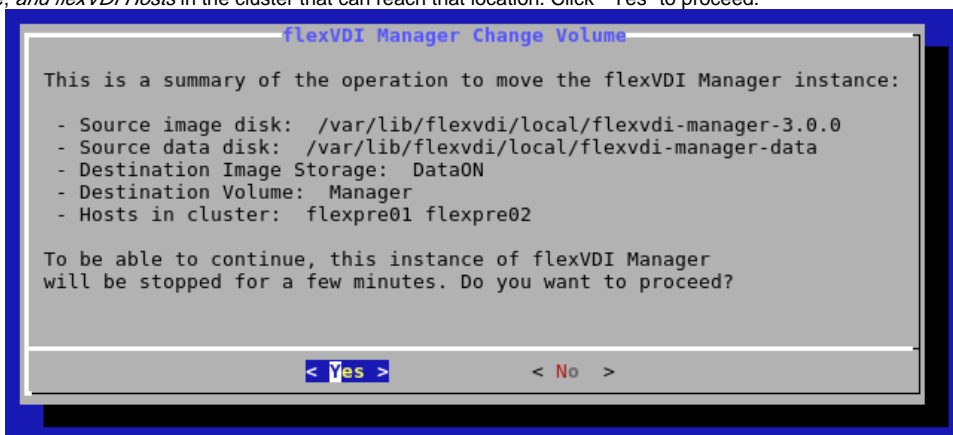
1. Select **Manager** in the main menu.
2. Select **Move** option.
3. Enter *the flexVDI Manager* instance password.
4. Select the *Image Storage* where *flexVDI Manager* disk image is to be stored.



5. Select the *Volume* where the disk image will be stored.



6. You'll then see a window with the information about the *flexVDI Manager* Clusterization process: source location of the flexVDI Manager instance, destination volume, and *flexVDI Hosts* in the cluster that can reach that location. Click "Yes" to proceed.



After the clusterization has finished, a window will be displayed informing about the outcome of the operation.

You can check the configuration from any *flexVDI Host* by accessing the `/etc/flexvdi/flexvdi-agent-watchdog.conf` file. Its content should be similar to this:

```
{
  "ipaddress": "10.111.1.181",
  "vmname": "flexVDI_Manager",
  "vmimage": "/flexvdi/image_storages/myImageStorage/myVolume/flexvdi-manager-2.2.17",
  "vmdata": "/flexvdi/image_storages/myImageStorage/myVolume/flexvdi-manager-data",
  "vmbridge": "virbr0",
  "vmvlan": "",
  "vmpassword": "adsfas32",
  "instance": "00",
  "ha_mode": "clustered",
  "host_list": ["flexhost1", "flexhost2"],
  "ocfs2_primarydisk_id": "beaf11",
  "ocfs2_secondarydisk_id": "",
  "ocfs2_volume_id": "myVolume",
  "ocfs2_imagestorage_id": "myImageStorage",
  "storage_mode": "ocfs2"
}
```