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RedHat EX318

Version Demo

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Topic Break Down

Topic	No. of Questions
Topic 1, Configure and manage Red Hat Virtualization environment	8
Topic 2, Configure and manage Red Hat Virtualization storage	3
Topic 3, Configure and manage Red Hat Virtualization virtual machines	7
Total	18

QUESTION NO: 1 - (SIMULATION)

Task 2

Use nfs to create and export ISO, Data, and Export storage domains with utility

ANSWER: See the explanation for the answer

Explanation:

On the `utility` host, create the three NFS export directories, make them owned by the VDSM user/group (UID/GID 36), and export them.

```
mkdir -p /exports/{iso,data,export}
chown -R 36:36 /exports/iso /exports/data /exports/export
chmod 755 /exports/iso /exports/data /exports/export
```

Add the following entries to `/etc/exports`:

```
/exports/data   *(rw,sync)
/exports/iso    *(rw,sync)
/exports/export *(rw,sync)
```

Apply and verify the exports:

```
exportfs -rav
exportfs -v
```

Ensure that NFS is running and reachable:

```
systemctl enable --now nfs-server
firewall-cmd --permanent --add-service=nfs
firewall-cmd --reload
```

The NFS paths to use when creating the storage domains are:

Data domain: `utility:/exports/data`
ISO domain: `utility:/exports/iso`
Export domain: `utility:/exports/export`

If the directories were provided under `/mnt` in the simulation rather than `/exports`, use the corresponding supplied paths and run `chown -R 36:36 /mnt/*` before exporting them.

QUESTION NO: 2 - (SIMULATION)

Task 7

Will provide an image file (http://content.example.com/rhv4.1/x86_64/dvd/rhelimex-lab.raw), import it into the Data domain and create a virtual machine.

Create a template with the name “MaterII” based on this virtual machine

The template Instance type option is “tiny”

Operating system option is “rhel7”

Optimized for option is “server”

ANSWER: See the explanation for the answer

Explanation:

Download the supplied raw image to a machine from which the Administration Portal can upload it:

```
wget http://content.example.com/rhv4.1/x86_64/dvd/rhelimex-lab.raw
```

In the RHV Administration Portal, upload/import the downloaded file as a disk:

Open `Storage` → `Disks` and select `Upload` (or the equivalent `Import` action in this RHV version).
Select `rhelimex-lab.raw`.
Select the **Data** storage domain as the destination. Keep/use **Raw** disk format.
Start the upload and wait until the image transfer completes and the disk status is **OK**.

Create a new VM in the required cluster and attach the imported disk as its boot disk. Set that disk as the first boot device, then start the VM if necessary to verify that it is bootable. Shut down the VM completely before creating the template.

Create a template from that VM (`Compute` → `Virtual Machines` → select VM → `Make Template`) with these exact settings:

Name: `Materll`
Instance Type: `tiny`
Operating System: `rhel7`
Optimized for: `server`

Include the VM disk in the template creation and wait for the template status to become **OK**. The required final object is the template named `Materll` backed by the imported VM disk.