

How to Deploy Firewall Insights on PROXMOX

<https://campus.barracuda.com/doc/13818/>

Barracuda Firewall Insights is also available for the Linux open-source hypervisor PROXMOX, which supports full virtualization and kernel-based (KVM), virtual machines. Before deploying the Barracuda Firewall Insights unit, verify that the host system meets the minimum storage requirements, and review the resource recommendations for the production system. Follow the step-by-step guide below to deploy Firewall Insights on PROXMOX.

Before You Begin

- For information on the sizing of your CPU, disk, and memory, see [Deployment](#).
- Download the virtual disk image (*.zip) of Firewall Insights from the [Barracuda Download Portal](#). Note: When using Proxmox, you can use the KVM image in .qcow2 format. On a Linux system, extract the file by executing the command `unzip <Filename>.zip`. Windows users have the option of using the built-in Extract All feature or third-party tools such as 7-Zip or WinRAR.

If you are using Google Chrome and encounter timeout or checksum issues while downloading the image, try Mozilla Firefox instead.

Step 1. Create a New Virtual Machine on PROXMOX

1. Log into your PROXMOX Hypervisor.
2. Click **Create VM**.
3. Name your device and click **Next**.
4. Select **Do not use any media** in the **OS** tab and continue with **Next**.
5. Select the desired size of your disk (at least 2 TB) in the **Hard Disk** tab.

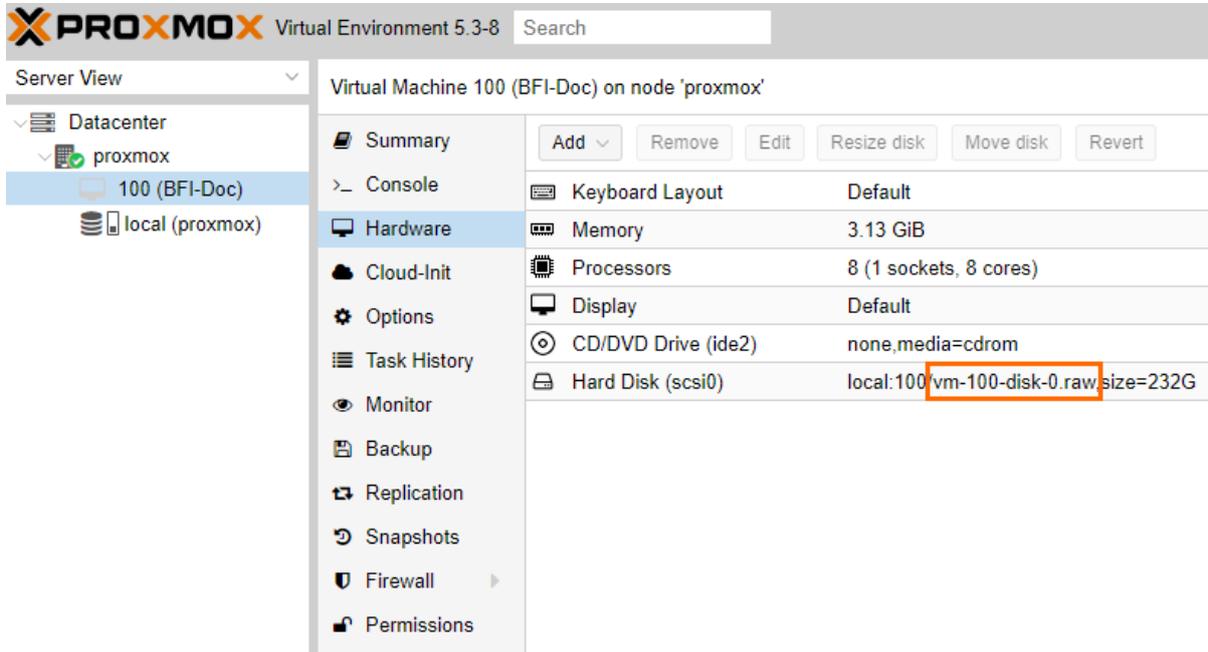
Size your virtual machine according to the recommendations found here: [Deployment](#).

6. Chose **Raw disk image (raw)** as Format and continue with **Next**.
7. Configure the **CPU** settings and choose at least 8 cores. Continue with **Next**.
8. Configure the **Memory** by selecting at least 32 GB and continue with **Next**.
9. Select **No network device** in **Network** tab and continue with **Next**.
10. Check your settings and click **Finish**.

Step 2. Copy the Image in the Folder on PROXMOX

1. Go to your virtual Firewall Insights machine and select **Hardware**.

- Write down the name of your virtual disk, e.g., **vm-100-disk-0.raw**.



Virtual Environment 5.3-8 Search

Server View

Datacenter

- proxmox
 - 100 (BFI-Doc)
 - local (proxmox)

Virtual Machine 100 (BFI-Doc) on node 'proxmox'

Summary

Console

Hardware

Cloud-Init

Options

Task History

Monitor

Backup

Replication

Snapshots

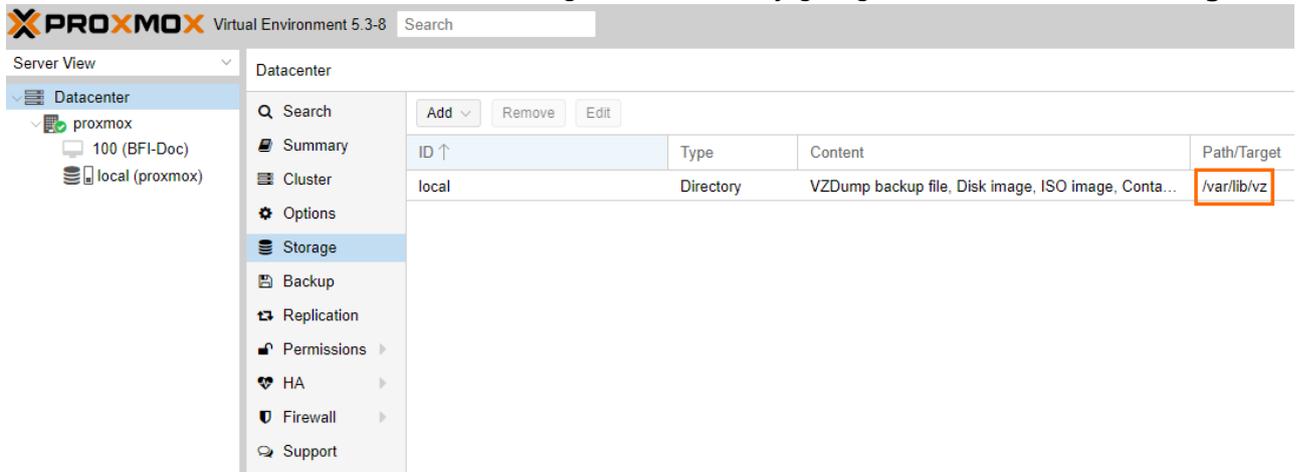
Firewall

Permissions

Add Remove Edit Resize disk Move disk Revert

| | |
|---------------------|---------------------------------------|
| Keyboard Layout | Default |
| Memory | 3.13 GiB |
| Processors | 8 (1 sockets, 8 cores) |
| Display | Default |
| CD/DVD Drive (ide2) | none,media=cdrrom |
| Hard Disk (scsi0) | local:100/vm-100-disk-0.raw size=232G |

- Find out where on PROXMOX the disk images are saved by going to **Datacenter > Storage**.



Virtual Environment 5.3-8 Search

Server View

Datacenter

- 100 (BFI-Doc)
- local (proxmox)

Search

Summary

Cluster

Options

Storage

Backup

Replication

Permissions

HA

Firewall

Support

Add Remove Edit

| ID ↑ | Type | Content | Path/Target |
|-------|-----------|---|-------------|
| local | Directory | VZDump backup file, Disk image, ISO image, Conta... | /var/lib/vz |

- Connect to your PROXMOX via SSH.
- Navigate to the path where the disk images are stored, e.g., `/var/lib/vz`
`cd /var/lib/vz`
- Search for the file name of the disk you wrote down in Step 2.

```
find . -name vm-100-disk-0.raw
```

- Go to that directory.
- Copy the image from Barracuda to the directory.
- Unpack the retrieved image.

```
tar -zxvf <image name>
```

```
root@proxmox:/var/lib/vz/images/100# tar -zxvf BarracudaFirewallInsights-p4-vm4.4.7-fw1.0.0.101-20190411-raw.tar.gz
BarracudaFirewallInsights-20190411-10019.dsk
root@proxmox:/var/lib/vz/images/100#
```

10. Dump the unpacked disk from the image into the disk created by PROXMOX.

```
dd if=<disk retrieved from Barracuda> of=<Disk created by PROXMOX>
```

```
root@proxmox:/var/lib/vz/images/100# dd if=BarracudaFirewallInsights-20190411-10019.dsk of=vm-100-disk-0.raw
209715200+0 records in
209715200+0 records out
107374182400 bytes (107 GB, 100 GiB) copied, 560.817 s, 191 MB/s
root@proxmox:/var/lib/vz/images/100#
```

11. Continue with Next Step.

Next Step

After deploying the Firewall Insights device, continue with [How to Configure Network Settings and Licensing on First Boot](#) and [Getting Started](#).

Figures

1. disk_name.png
2. proxmox_disk_path.png
3. unzip.png
4. dd_command.png

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