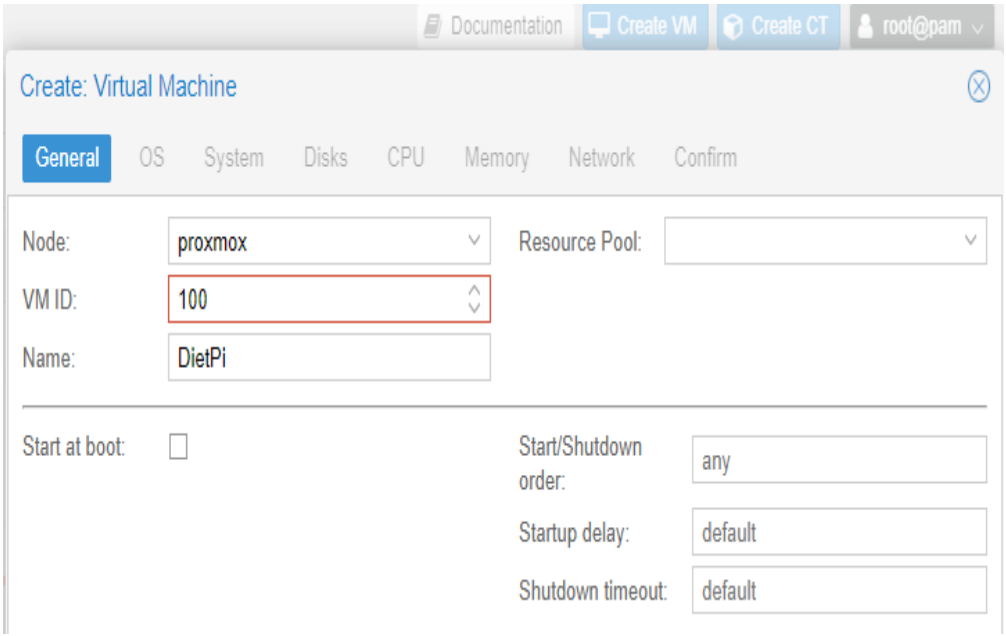
Proxmox (VM)

Basic installation finished?

Please read first the → Basic Installation!

Generate a new Proxmox VM

1. Access the Proxmox web interface via HTTPS on TCP port **8006**:
   - URL:`https://<your.IP>:8006`
   - Username: `root`
   - Password: `<root user password you entered during Proxmox VE install>`
2. Tab **General**: Select the **Create VM** button at the top right corner. Choose a **Node**, a **VM ID** and a **Name**, then click **Next**.



   Remember the VM ID, you need it later.

3. Tab **OS**: Select "**Do not use any media** ", for the **Guest OS** assure that **Linux** and version "**5.x - 2.6 Kernel**" is selected, then click **Next**.
4. Tab **System**: As **Machine** you can select q35, but the older default will work as well. We recommend the para-virtualised **VirtIO SCSI** controller, which should be the default. Click **Next**.
5. Tab **Disks**: Delete the default `scsi0` disk with the red trash bin button, then click **Next**.
6. Tab **CPU**: Adjust CPU details as required, we recommend to use the default `kvm64` type. Then click **Next**.
7. Tab **Memory**: While DietPi runs with less, depending on the software you want to install and run within the VM, we recommend at least 1024 MiB memory size, 2048 MiB allows the DietPi system to setup itself without a swap file by default. When done, click **Next**.
8. Tab **Network**: Using a network bridge allows the VM to show up as dedicated system in your

LAN, which simplifies SSH and network application access. We recommend to use the default para-virtualised **VirtIO** adapter model. When done, click **Next**.
9. Tab **Confirm**: Start the VM creation by clicking **Finish**.

Download, extract and import the DietPi image

Transferring a disk image to Proxmox: A DietPi disk image can be transferred to the Proxmox server via e.g. USB flash drive or by uploading it as CD/DVD ISO image. Since the import needs to be done via console (accessible via web interface and SSH), we guide you through the path of downloading it directly on the Proxmox server.

1. Select the Proxmox node, then click the **Shell** button at the top right corner. Alternatively connect via SSH to the Proxmox server, using the same login credentials you used for the Proxmox web interface.
2. In the console window, enter the following commands to download the DietPi image, extract it via `p7zip`, import it as disk to your new VM (using the **VM ID** you chose during creation) and make it the boot drive.
   If not done yet, we recommend to upgrade all APT packages to the latest version.

   ```
   apt update
   apt full-upgrade
   apt install xz-utils
   curl -O https://dietpi.com/downloads/images/DietPi_Proxmox-x86_64-Bullseye.xv
   xv -d DietPi_Proxmox-x86_64-Bullseye.xv
   ```

   Optionally verify the SHA256 hash of the downloaded file via:

   ```
   sha256sum -c < <(mawk '/SHA256/{print $2"  DietPi_Proxmox-x86_64-Bullseye.qcow2"}' hash.txt)
   ```

   As next, the disk image is imported.
   Note: Replace `100` below with the **VM ID** entered during VM creation.

   ```
   ID=100
   qm importdisk "$ID" DietPi_Proxmox-x86_64-Bullseye.qcow2 local-lvm
   qm set "$ID" --scsi0 "local-lvm:vm-$ID-disk-0"
   qm set "$ID" --boot order=scsi0
   ```

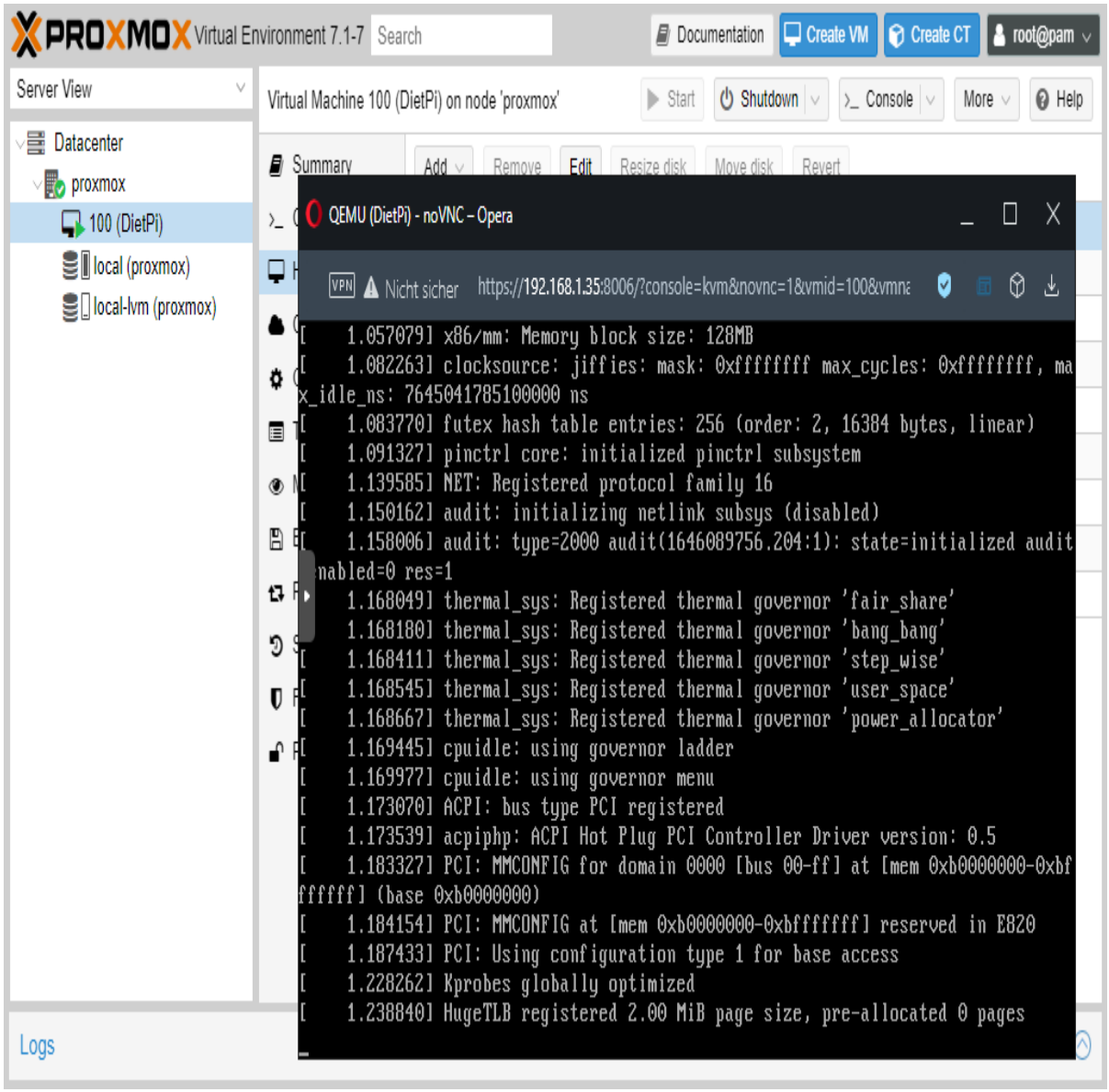
3. Finally, you can remove the downloaded and extracted files and close the console:

   ```
   rm DietPi_Proxmox-x86_64-Bullseye.* hash.txt README.md
   ```

The VM can now be started, select it via left side navigation of the Proxmox web interface, then the **Start** button at the top right side, finally the **Console** button to watch and finish the DietPi first run setup.

Alternatively you can connect to the VM via SSH, after giving it some time to finish initial setup steps

and obtaining its IP with your router or IP scanner.



Continue with LoxBerry Installation

→ Now please continue with the LoxBerry Installation.