1.6.1.1 Docker VM Installation

The first VM we will create is the Docker VM. This VM will serve for all our docker compose files and applications that are not mission critical and are light weight applications. What is and what is not mission critical is of course for up to debate ;) Personally I have three dedicated VM's

1. One for Ente Photos
2. One for my Servarr Stack
3. My Docker VM for all my lightweight applications

In this section we will setup a Docker VM in proxmox i.e most likely your first VM. Luckily this will be extremely ease due to Proxmox Helper scripts. Proxmox Helper scripts walks you extremely easy through the whole installation process of any LXC container and also certain VM's. In this case we will make use of it as well to create our Docker VM. Super easy, no configuration necessary from your end. Just hit the following link in your PVE Shell and you can start

```
bash -c "$(curl -fsSL https://raw.githubusercontent.com/community-scripts/ProxmoxVE/main/vm/docker-vm.sh)"
```

1. Choose Install Docker Vm

2. Choose Advanced Setup

3. Select the newest form of Debian as of writing that is Debian 13

4. Enable Cloud Init: Yes

5. Provision SSH keys for Cloud-Init VM: -> Choose "manual Paste a single public key "

6. Copy paste in your SSH key from the machine you are planning to access the Docker VM from.

7. Set a Docker VM ID: Choose what fits for you. Most often I start with 1001

8. Choose type: q35

9. Choose the amount of Storage: I would recommend to start with 16G and then you can always add more over time. It is easy to add but hard to remove storage from your VM. Hence, start low and add more if necessary.

10.Disk Cache: None

11. Choose hostname: hostname

12. Choose CPU model: host

13. Allocate CPU cores: Start with 4 and you can always add more if necessary

14. RAM: start with 4096

15. Interface: Choose the interface on which the VLAN sits that you want to use for your docker VM.

16. Set a MAC address: Leave as is

17. Set VLAN: The VLAN you want to host the docker VM on.

18. Finally choose the storage pool: Recommended on your VM mirrored SSD ZFS pool if you have that configured

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