# Install Ruckus Virtual SmartZone Controller on Proxmox

Download the appropriate version you want to install from Ruckus (support.ruckuswireless.com/software) as an KVM .qcow2 file.

Older versions (3.6 and below) download as a .bin that needs to be extracted as shown in the images below. Version 5 and above do not need to be converted if the downloaded file is already in .qcow2 format.


This is the only extraction method that worked out of five unzip extraction programs, on Mac Mojave 10.14 using CLI, should work on most Macs. Take ownership and extract the .bin file to a location using:

```
chmod a+x (.bin file location)/vscg.3.6.2.0.78.qcow2.bin

(.bin file location)/vscg.3.6.2.0.78.qcow.bin –o(destination file location)
```
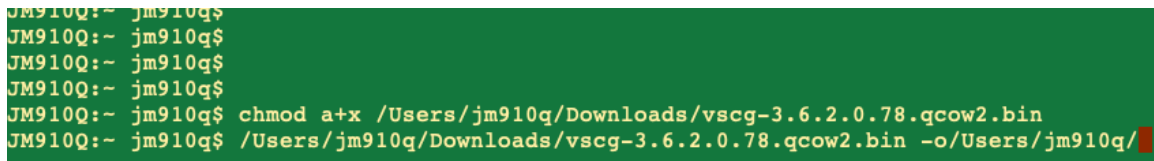

Transfer the .qcow file to Proxmox using Filezilla.
I placed it in the '/var/lib/vz/dump/' folder.
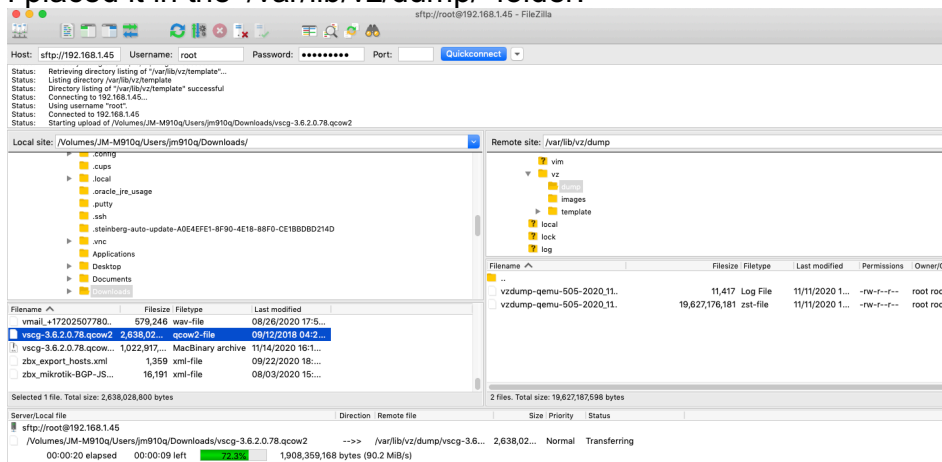
Create your Ruckus VM using the following steps.
I'm using VM ID '600' and Name 'Ruckus'.

Create: Virtual Machine

| **General** | OS | System | Hard Disk | CPU | Memory | Network | Confirm |

Node: prox-esxi-1

Resource Pool:

VM ID: 600

Name: Ruckus

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Create: Virtual Machine

| General | **OS** | System | Hard Disk | CPU | Memory | Network | Confirm |

◯ Use CD/DVD disc image file (iso)

Storage: local

ISO image:

◯ Use physical CD/DVD Drive

◉ Do not use any media

Guest OS:

Type: Linux

Version: 5.x - 2.6 Kernel

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Create: Virtual Machine

General   OS   **System**   Hard Disk   CPU   Memory   Network   Confirm

Graphic card: | Default | ⌄ | SCSI Controller: | VirtIO SCSI | ⌄ |

Qemu Agent: ☐

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Create: Virtual Machine

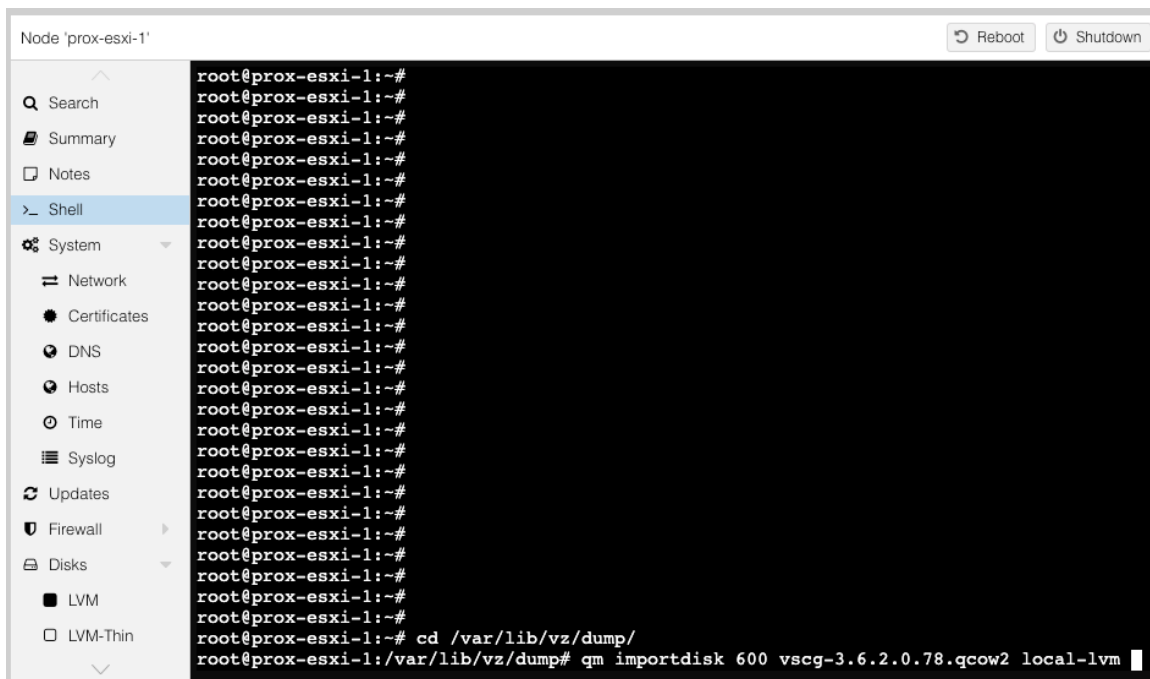General   OS   System   **Hard Disk**   CPU   Memory   Network   Confirm

Bus/Device: | SCSI | ⌄ | | 1 | ⌃⌄ | Cache: | Default (No cache) | ⌄ |

SCSI Controller: VirtIO SCSI   Discard: ☐

Storage: | local-lvm | ⌄ |

Disk size (GiB): | 1 | ⌃⌄ |

Format: | Raw disk image (raw) | ⌄ |

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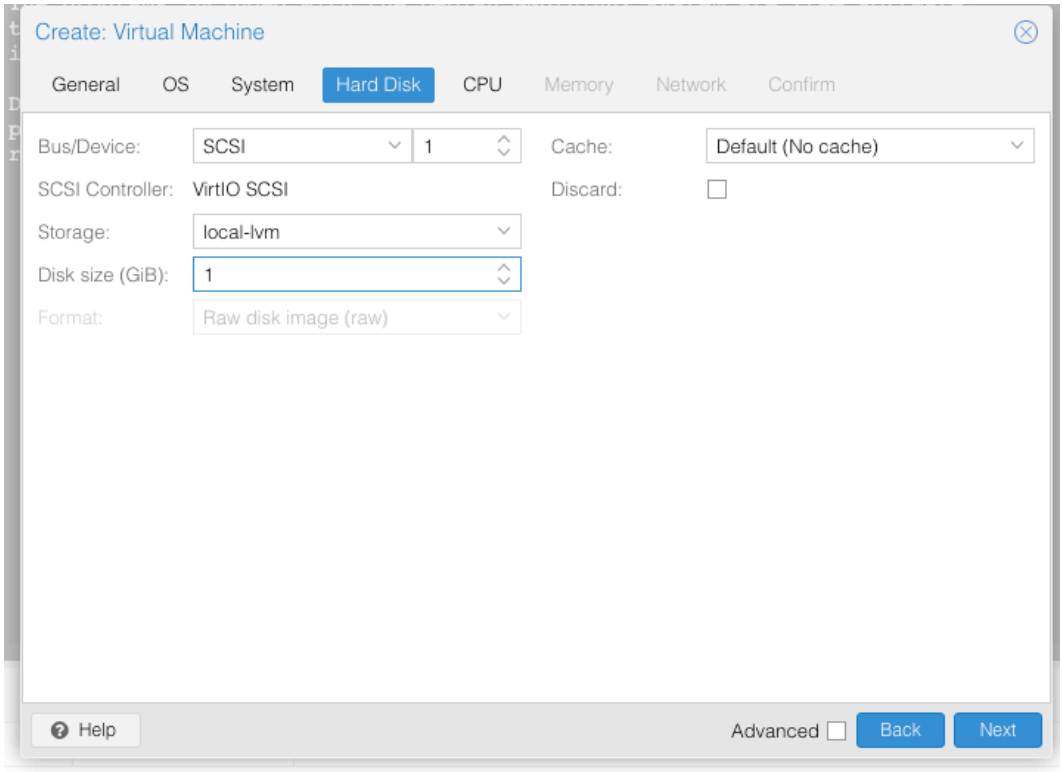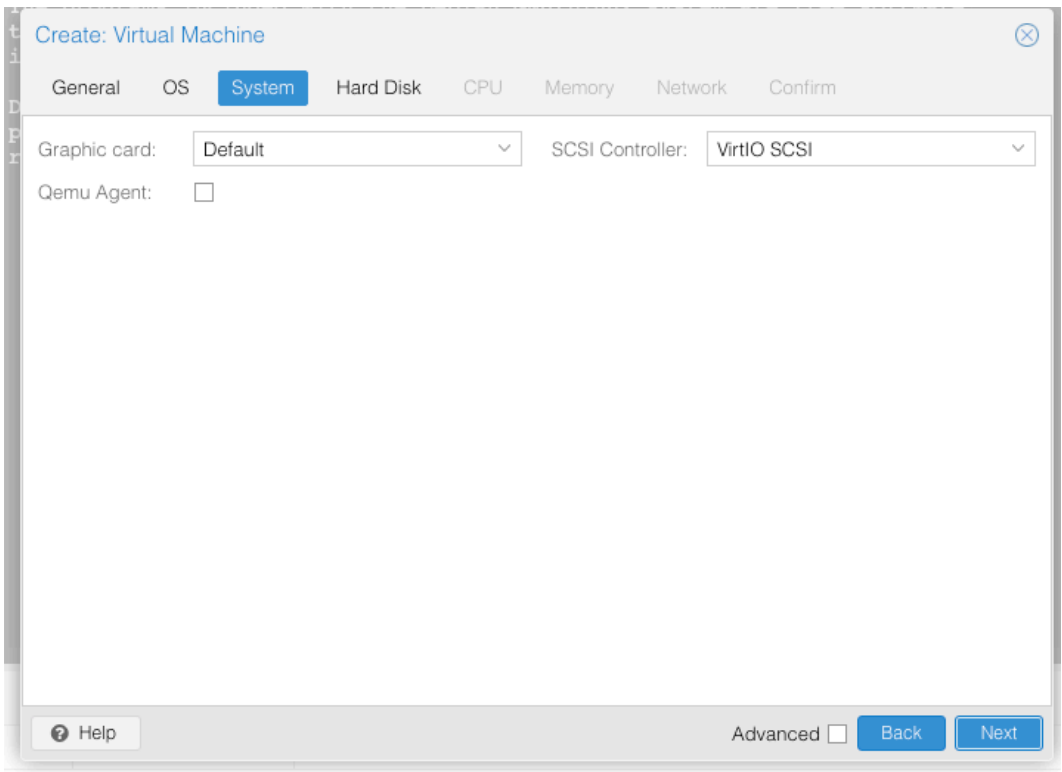
Create: Virtual Machine

General　OS　System　Hard Disk　**CPU**　Memory　Network　Confirm

Sockets:　1

Cores:　4

Type:　Default (kvm64)

Total cores:　4

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Create: Virtual Machine

General　OS　System　Hard Disk　CPU　**Memory**　Network　Confirm

Memory (MiB):　16384

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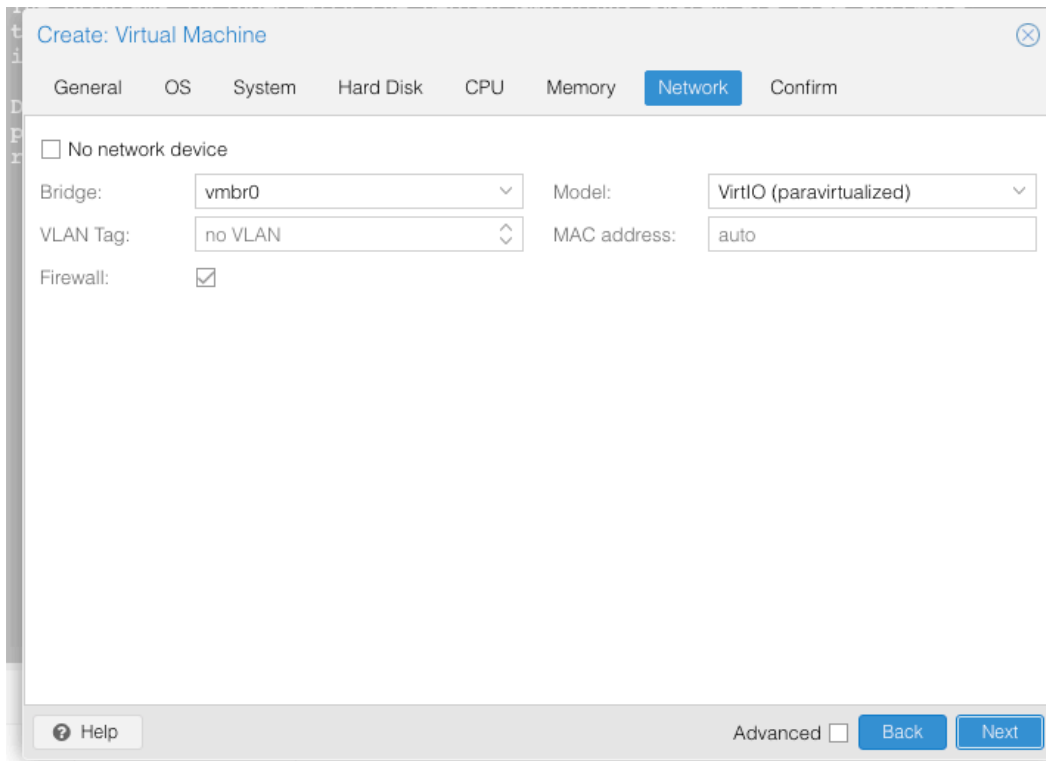
From the Proxmox Shell, navigate to the directory using:

```
cd /var/lib/vz/dump/
```

Import the VM using the command:

```
qm importdisk 600 vscg-3.6.2.0.78.qcow2 local-lvm
```

The disk should be successfully imported.

We're going to add the Ruckus QCow2 Hard Disk to Proxmox, use it as our VMs main hard drive and delete the Ruckus VM's original hard drive that was created during setup.

Importing - Click on your 'Ruckus VM' & then click on 'Hardware'.
There will be a newly added Unused Disk.
Click on the Unused Disk & then click 'Add' in the lower right dialog box.

Deleting
Click on the other disk and click 'Detach'

The original drive will now become the 'Unused Disk 0'.
You can delete this unused disk by clicking 'Remove'.

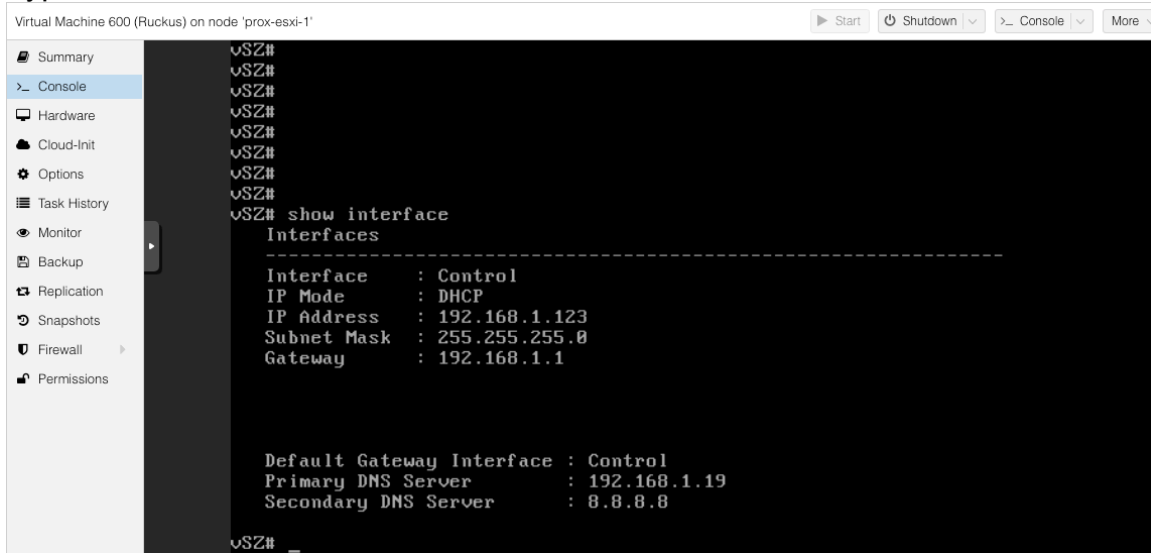Change the boot disk.
Located in Ruckus VM -> Options -> Bootloader
Set Boot Device 1 to SCSI 0

Login to the VMs console using admin / admin.
Type enable, password – admin.
Type 'show interface'

This shows your DHCP obtained IP Address for your Ruckus Virtual SmartZone
Controller. Proceed to the address above using:
https://<ip-address>:8443