

vLab:Managing and Provisioning VMs for Labs

Adding template to Vlab

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1. Create one VM with a raw/qcow2 disk image. Qcow2 is preferable.
2. Install required packages in that VM.
3. Install openssh-server and qemu-guest-agent(For Ubuntu: `sudo apt-get install openssh-server qemu-ga`) inside the VM. After doing all this, shut-down VM.
4. Copy the disk image to some user directory. (For KVM, disk image files will be in `/var/lib/libvirt/images/` directory.)
5. Run: `virt-sysprep -a disk-image`.
6. Now login to vlab web-server and click on Add template.
7. Pass the address of disk-image file using browse.
8. Give User-name and Password for that VM.
9. Run: `qemu-img convert -f format disk-image-name sheepdog:disk-image-name` (Ex: `qemu-img convert -f qcow2 disk-image.qcow2 sheepdog:disk-image.qcow2`) By executing the command we are uploading the disk image file to sheepdog cluster. It will take some time.
10. After uploading the file to the sheepdog cluster.Run: “`dog vdi list`” and check if your image file is there or not.
11. You can delete the VM, if you wish.