VBoxManage Command Cheat Sheet

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1. List VMs on Host Machine

```
VBoxManage list vms
```

2. See Details of a Specific VM

```
VBoxManage showvminfo "VM\_Name"
```

3. Create a VM with Specific Specs

4. Modify VM to Enable Nested VT-x/AMD-V, PAE/NX, Nested Paging

```
VBoxManage modifyvm "VM\_Name" --nested-hw-virt on
VBoxManage modifyvm "VM\_Name" --pae on
VBoxManage modifyvm "VM\_Name" --nestedpaging on
```

5. Create a Virtual Disk Image

```
VBoxManage createhd --filename "Disk\_Location.vdi" --size 20000
```

6. Change or Add Storage Controller Type

```
VBoxManage storagectl "VM\_Name" --name "Controller\_Name" --add sata --controller IntelAHCI
```

7. Attach Virtual Disk Image to VM

```
VBoxManage storageattach "VM\_Name" --storagectl "Controller\_Name" --port 0 --device 0 --

→ type hdd --medium "Disk\_Location.vdi"
```

8. Show and Change Boot Order and Disable Some Media from Boot Order

```
VBoxManage modifyvm "VM\_Name" --boot1 dvd --boot2 disk --boot3 none --boot4 none
```

9. Group VMs Under a Specific Name

```
VBoxManage modifyvm "VM\_Name" --groups "/Group\_Name"
```

10. Change Video Memory of VM

```
VBoxManage modifyvm "VM\_Name" --vram 256
```

11. Change Graphics Controller of VM

```
VBoxManage modifyvm "VM\_Name" --graphicscontroller vmsvga
```

12. Enable Remote Display of VM and Specify Server Port

```
VBoxManage modifyvm "VM\_Name" --vrde on
VBoxManage modifyvm "VM\_Name" --vrdeport 3389
```

13. Add New Network Adapter and Enable/Disable, Modify Adapter Type

```
VBoxManage modifyvm "VM\_Name" --nic1 nat
VBoxManage modifyvm "VM\_Name" --nictype1 virtio
VBoxManage modifyvm "VM\_Name" --nic2 none
VBoxManage modifyvm "VM\_Name" --nictype2 82540EM
```

14. Attach Network Adapter to Specific Network Type (NAT, Bridge, Internal, Host-only, NAT Network)

```
VBoxManage modifyvm "VM\_Name" --nic1 nat
VBoxManage modifyvm "VM\_Name" --nic2 bridged --bridgeadapter2 "eth0"
VBoxManage modifyvm "VM\_Name" --nic3 intnet --intnet3 "Internal\_Network\_Name"
VBoxManage modifyvm "VM\_Name" --nic4 hostonly --hostonlyadapter4 "vboxnet0"
VBoxManage modifyvm "VM\_Name" --nic5 natnetwork --nat-network5 "NAT\_Network\_Name"
```

15. Create a New Host-Only Network Adapter and Configure DHCP

```
VBoxManage hostonlyif create

VBoxManage hostonlyif ipconfig "vboxnet0" --ip 192.168.56.1 --netmask 255.255.255.0

VBoxManage dhcpserver modify --ifname "vboxnet0" --enable --ip 192.168.56.2 --netmask

→ 255.255.255.0 --lowerip 192.168.56.3 --upperip 192.168.56.254
```

16. Create NAT Network with Specific IPv4, Disable/Enable IPv6, Enable DHCP, and Port Forwarding

```
VBoxManage natnetwork add --netname "NAT\_Network\_Name" --network "10.0.2.0/24" --enable VBoxManage natnetwork modify --netname "NAT\_Network\_Name" --dhcp on VBoxManage natnetwork modify --netname "NAT\_Network\_Name" --port-forward-4 "Rule\_Name:tcp \( \to : [host\_ip]:[host\_ip]:[guest\_ip]:[guest\_port]"
```

17. Remove Host-Only or NAT Networks

```
VBoxManage hostonlyif remove "vboxnet0"
VBoxManage natnetwork remove --netname "NAT\_Network\_Name"
```

18. Create or Remove Internal Networks

```
VBoxManage intnet create "Internal\_Network\_Name"
VBoxManage intnet remove "Internal\_Network\_Name"
```

19. Start, Stop, or Reset VM in Normal and Headless Mode

Start VM:

VBoxManage startvm "VM_Name" --type gui

Start VM in Headless Mode:

VBoxManage startvm "VM_Name" --type headless

Stop VM:

VBoxManage controlvm "VM_Name" poweroff

Reset VM:

VBoxManage controlvm "VM_Name" reset

20. Delete a Target VM

VBoxManage unregistervm "VM_Name" --delete

21. Attach/Remove VirtualBox Guest Additions CD to/from VM

Attach Guest Additions CD:

VBoxManage storageattach "VM_Name" --storagectl "IDE_Controller" --port 1 --device 0 -- \hookrightarrow type dvddrive --medium additions

Remove Guest Additions CD: