

VirtualBox Checklists

PREP

- [] download & install VirtualBox <https://www.virtualbox.org/>
- [] download CentOS minimal ISO <https://www.centos.org/download/>

CREATE BASE VM

- [] create a host-only network in VirtualBox settings (VirtualBox...Preferences...Network)
- [] check that network is running on your laptop: `ifconfig vboxnet0`
- [] create new VM (this will be the base VM)
- [] add two networks to the base VM: NAT (to the internet) and host-only (among host/guests)
- [] start VM and install CentOS (default settings, but set root and your user, view Network tab)
- [] look at ip addr, test using `ifup` and `ifdown`
- [] edit host-only network: `vi /etc/sysconfig/network-scripts/ifcfg-enp0s8`; set `IPADDR=192.168.56.XXX` (or something unique on your host-only network), `NETMASK=255.255.255.0`, `BOOTPROTO=none`, `NM_CONTROLLED=no`, `ONBOOT=yes`
- [] test: ssh into the IP, ping `linuxfoundation.org` and yum install `wget` to demonstrate network connectivity, turn off your wifi and see that you can still ssh into the IP from your laptop but not ping out.

CLONE

- [] right-click on base VM... Clone (check “reinitialize mac address” and then default settings)
- [] edit hostname (if needed): `hostnamectl set-hostname newhostname`
- [] edit host-only network: `vi /etc/sysconfig/network-scripts/enp0s8` and change `IPADDR`.
- [] reboot
- [] test: ssh into the IP, ping, yum install
- [] test: ssh from base to clone

INSTALL MYSQL 5.6 COMMUNITY

<https://dev.mysql.com/doc/mysql-yum-repo-quick-guide/en/>

[] add MySQL yum repo: wget rpm file, install rpm

[] mysql_secure_installation

[] service mysqld start

[] create a mysql user

[] test: connect from base VM to this VM (Why might this not work?)

OTHER FORKS

[] use search engine to find more: “yum install _____”

MariaDB: <https://downloads.mariadb.org/mariadb/repositories>

Percona 5.5: https://www.percona.com/doc/percona-server/5.5/installation/yum_repo.html

Percona 5.6: https://www.percona.com/doc/percona-server/5.6/installation/yum_repo.html

WebScale: <https://github.com/sjmudd/webscalesql-rpm>

Mongo: <http://docs.mongodb.org/manual/tutorial/install-mongodb-on-red-hat/>