

Chapter 1

Checklist for VM setup

1.1 Setting up first vm and clones

1. Install virtualbox on your machine
2. Download latest C6 minimal iso from
`http://mirror.nsc.liu.se/CentOS/6.7/isos/x86_64/CentOS-6.7-x86_64-minimal.iso`
3. Install C6 minimal in virtualbox, with one hostonlyif and one intf
4. Boot up vm and configure
 - a) copy codesprint.tgz to vm and untar.
 - b) Make /etc/hosts entry for all vms (see confs/settings in codesprint.tgz)
 - c) Set /etc/resolv.conf according to confs/settings file.
 - d) Replace /etc/sysconfig/iptables with confs/iptables
 - e) Run proxy.sh on VM host, as root.
 - f) yum update
 - g) execute scripts/install-prereqs.sh
 - h) chkconfig --levels 345 ntpd on
 - i) Change /etc/resolv.conf to simply read 'nameserver 10.1.1.2'
 - j) Shutdown esg-idx vm
 - k) Do full Clone (with reset of MAC addresses) of esg-idx to esg-idx2 and esg-data.

1.2 Further setup on esg-idx

1. Start up esg-idx
2. Change /etc/resolv.conf back to settings specified in conf/settings.

3. `ntpdate -u 0.centos.pool.ntp.org`
4. `yum install bind`
5. copy bind files from `conf` to `/etc` and `/var/named`; `chown` zone files to `named:named` in `/var/named` and start `named`.
6. `chkconfig --levels 345 named on`
7. set server `10.1.1.2` with `nslookup` and confirm external and internal lookups work.

1.3 Changes on esg-idx2 and esg-data

1. Start up both `esg-idx2` and `esg-data`
2. change hostname, modify `ifcfg` files with correct ip addresses and mac addresses.
3. `service network restart`
4. `ntpdate -u 0.centos.pool.ntp.org /toggles /etc/resolv.conf` values if needed.
5. After reverting to 'nameserver `10.1.1.2`', ensure external lookups and internal lookups work

1.4 Creating snapshots

1. Shutdown all vms
2. Create snapshots for all vms.

1.5 Usage

1. Start `esg-idx` vm first. After it boots up fully, do `ntpdate sync`.
2. Start other vms and perform `ntpdate sync`.
3. The vms are ready to use.