

Cluster System Administration Class  
Bloominglabs  
Kickstart Lectures

- I. Disable iptables and selinux (NOTE: DANGEROUS)
  1. /etc/init.d/iptables stop
  2. sysconfig iptables off
  3. /etc/selinux/config
    1. SELINUX=disabled
    2. reboot
  
- II. DNS
  1. Forward lookup (/var/named/named.cluster)
  2. Reverse lookup (/var/named/named.192.168.2)
  3. Start and setup to start at boot
    1. /etc/init.d/named start
    2. chkconfig named on
  
- III. DHCP (/etc/dhcp/dhcpd.conf)
  1. Start and setup to start at boot
    1. /etc/init.d/dhcpd start
    2. chkconfig dhcpd on
  
- IV. Configure mgmt node's wired network (/etc/sysconfig/network-scripts/ifcfg-eth0)
  1. Setup to use new DNS server
    1. DNS1=192.168.2.30
    2. PEERDNS=yes
  2. Turn off NetworkManager
    1. NM\_CONTROLLED=no
  3. Setup to start at boot
    1. ONBOOT=yes
  4. Test configuration
    1. ifdown eth0
    2. ifup eth0
  
- V. HTTPD (/var/www/html)
  1. Copy CentOS 6 installation files
    1. mkdir -p /var/www/html/CentOS/6.8/x86\_64
    2. cp -pr /media/{USBMOUNTPOINT}/\* /var/www/html/CentOS/6.8/x86\_64
  2. Make default version 6 link
    1. ln -s /var/www/html/CentOS/6.8 /var/www/html/CentOS/6
  3. Start and configure to start at boot
    1. /etc/init.d/httpd start
    2. chkconfig httpd on
  
- VI. Configure yum to use local repo (/etc/yum.repos.d/CentOS-Base.repo)
  1. baseurl=[file:///var/www/html/CentOS/\\$releasever/\\$basearch](file:///var/www/html/CentOS/$releasever/$basearch)

VII. Install syslinux (yum install syslinux syslinux-nonlinux)

VIII. Setup PXE server (/var/lib/tftpboot)

1. pxelinux.0
2. pxelinux.cfg/default\
3. CentOS/6.8/x86\_64/vmlinuz
4. CentOS/6.8/x86\_64/initrd.img
5. Make default version 6 link
  1. ln -s CentOS/6.8 CentOS/6

IX. Modify DHCP (/etc/dhcp/dhcpd.conf)

1. filename "pxelinux.0"

X. Kickstart config file (ks.cfg)

1. yum install system-config-kickstart
2. Copy to /var/www/html