

Cluster System Administration Class
Bloominglabs
Kickstart Lectures

- I. Disable iptables and selinux (NOTE: DANGEROUS)
 1. /etc/init.d/iptables stop
 2. chkconfig iptables off
 3. Config file: /etc/selinux/config
 1. SELINUX=disabled
 2. reboot

- II. DNS
 1. Forward lookup (Config file: /var/named/named.cluster)
 2. Reverse lookup (Config file: /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 (Config file: /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 (Config file: /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. PXE kernel: pxelinux.0
2. Config file: pxelinux.cfg/install (link to default)
3. Linux kernel: CentOS/6.8/x86_64/vmlinuz
4. Supporting drivers: CentOS/6.8/x86_64/initrd.img
5. Make default version 6 link
 1. ln -s CentOS/6.8 CentOS/6

IX. Modify DHCP (Config file: /etc/dhcp/dhcpd.conf)

1. filename "pxelinux.0";

X. Kickstart config file (Config file: ks.cfg)

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