

Numascale

Guidelines for installing CentOS 6.5 on NumaConnect

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Revision History

| Rev | Date | Author | Changes |
|------------|-------------|---------------------|----------------|
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1 INSTALLING CENTOS 6.5 ON A NUMACONNECT SYSTEM

1. Install CentOS 6.5 from NMA
2. Do not use LVM as disk manager. Create a manual setup with regular partitions
3. During installation, the additional eth1 network for local/internet network can be added. But do not remove the eth0 from configuration before installation is done.
4. Install as "Minimum", add packages from CentOS at later stage
5. When installation is done, adjust the NMA to do "Local boot on master node"
6. Boot the system
7. Do a full yum update
8. Build and install custom kernel, according to document "Compiling and installing patched Linux kernel 3.10.xx". But general guidelines are:
 - a. Copy kernel to /boot
 - b. Create empty modules.dep
 - c. Generate initrd image
 - d. Adjust grub.conf
 - i. to show menu
 - ii. to output to serial
 - iii. Add entry for 3.10.10 kernel
 - iv. Ensure that the UUID is copied from the already present kernel to the custom kernel
9. Ensure that "irqbalance" service is turned off
 - a. As root, do "chkconfig irqbalance off"
10. When installation is done
 - a. Remove access to eth0, by setting ONBOOT=no in /etc/sysconfig/network-scripts/ifcfg-eth0
 - b. Ensure that eth1 is the valid network interface, it is up on boot, and that the default route is through this one.
11. Customize the CentOS installation according to own needs and preferences
12. Remember: If a kernel is updated through "yum update", you must always check the /boot/grub/grub.conf file and ensure that the 3.10.xx kernel is the default