

# Numascale

## Guidelines for installing CentOS 7 on NumaConnect

Revision **02**, June 8, 2015

## Revision History

<b>Rev</b>	<b>Date</b>	<b>Author</b>	<b>Changes</b>
01	2015-04-13	Espen Carlsen	First revision
02	2015-06-08	Atle Vesterkjær	Additions

## 1 INSTALLING CENTOS 7.0 ON A NUMACONNECT SYSTEM

1. Install CentOS 7
2. Do not use LVM as disk manager and ext4. 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 "Boot first server to local disk"
6. Boot the system
7. Do a full yum update
8. Ensure that "irqbalance" service is turned off
  - a. As root, do "systemctl disable irqbalance.service"
9. 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.
10. Install kernel with Numachip support using one of these methods:
  - a. Numascale Kernel
    - i. Download the latest Numascale kernel (and kernel-headers) from: <https://resources.numascale.com/kernels/>
    - ii. Install with rpm
  - b. Centosplus
    - i. yum install yum-utils
    - ii. Enable the Centosplus repo with yum-config-manager --enable centosplus
    - iii. yum install kernel-plus
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/grub2/grub.conf file and ensure that the correct kernel is the default