Progress®
Kemp® LoadMaster®

# Technical Note Bare Metal Boot Options

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# 1

# Introduction

## Introduction

The LoadMaster is supported on a number of bare metal platforms. For further details about the supported platforms, please refer to the Progress Kemp website:

http://kemptechnologies.com/loadmaster-family-bare-metal-software-load-balancers-application-delivery-controllers/

Installation files for each of the supported bare metal platforms are available on the Progress Kemp website.

During the LoadMaster bare metal installation, a number of boot options are available such as running a compatibility check and/or selecting the disk/partition.

**Related Links**

- Document Purpose
- Intended Audience

# Document Purpose

## Document Purpose

This document provides further information on each of the bare metal boot options.

# Intended Audience

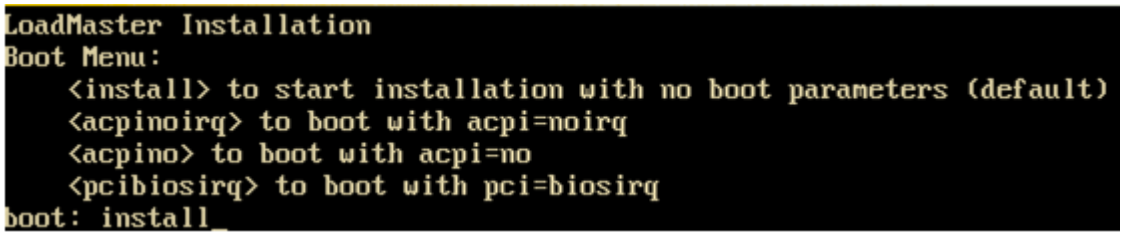
## Intended Audience

This document is intended to be read by anyone who needs to find out further information about the LoadMaster bare metal boot options.

# 2

# Boot Options

## Boot Options




During the bare metal installation, there is a pause which allows you to specify the boot parameters. A number of boot options are available:

- **install** - Start the installation with no boot parameters. This is the default boot option and will be executed if no boot parameters are entered.
- **acpinoirq** - Boot with acpi=noirq. This disables PCI Interrupt Request (IRQ) routing in Advanced Configuration and Power Interface (ACPI).
- **acpino** - Boot with acpi=no. This disables ACPI.
- **pcibiosirq** - Boot with pci=biosirq. This uses PCI BIOS calls to get the interrupt routing table.

To specify the desired boot option, type the parameter value as outlined in bold in the points above. If a boot parameter is mistyped, an error will be displayed.

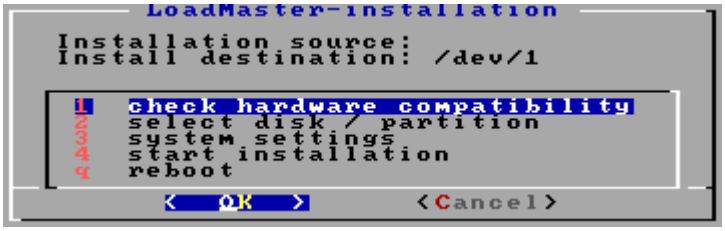
When one of the above boot parameters are specified, the settings will be applied to the LoadMaster Operating System (OS).

**Related Links**

- LoadMaster-installation Main Menu

# LoadMaster-installation Main Menu

## LoadMaster-installation Main Menu




Regardless of what boot parameters are specified, the **LoadMaster-installation** main menu will be displayed. This menu has the following options:

- Check hardware compatibility - Refer to the Run the Bare Metal Compatibility Check section for further information on this option.
- Select disk/partition - Refer to the Select Disk/Partition section for further information on this option.

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**Note:** It is best practice to select a disk/partition before starting the installation.

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- System settings - Please do not use this option.
- Start installation - Begin the LoadMaster installation.
- Reboot - Reboot the machine.

Select the relevant option either by using the arrow keys, or entering the corresponding number/letter. Then, press the return key to proceed.

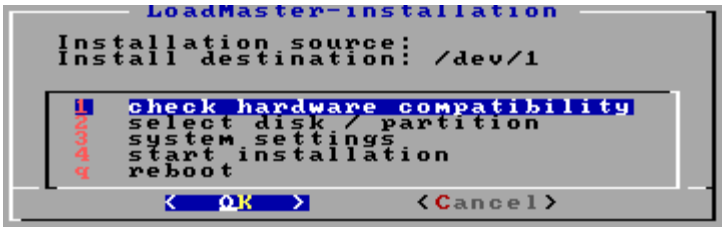
**Related Links**

- Run the Bare Metal Compatibility Check
- Select Disk/Partition

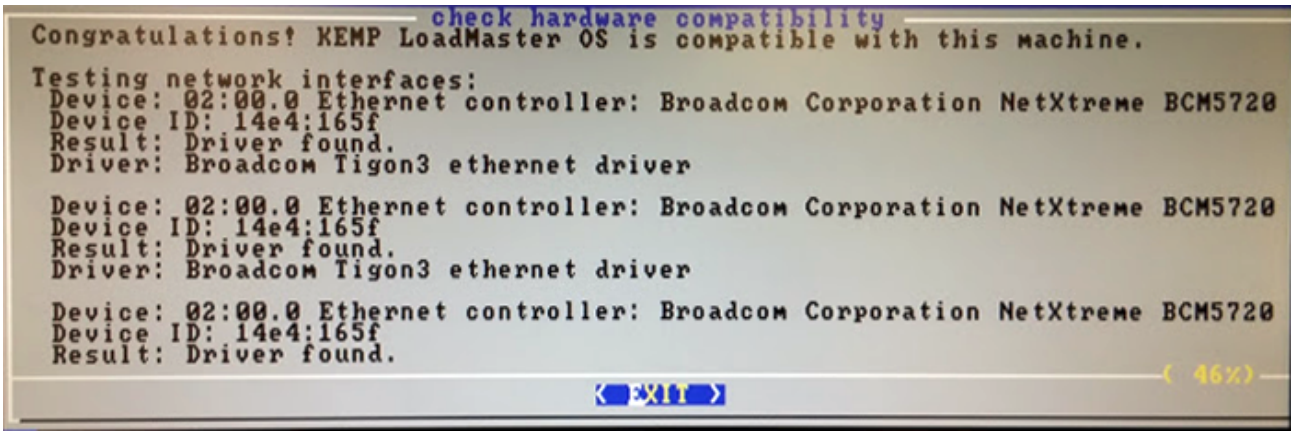
# Run the Bare Metal Compatibility Check

## Run the Bare Metal Compatibility Check

It is possible to run a compatibility check to ensure that the user's hardware configuration (including network interfaces and storage controllers) is compatible with the LoadMaster OS.




To run the check, select **check hardware compatibility** and press **OK**.







The results of the compatibility check will be displayed. There are two possible messages:

- **Success:** Congratulations! LoadMaster OS is compatible with this machine. This means that the installation can continue. Press return on the keyboard to exit the results screen and return to the **LoadMaster-installation** main menu. Select **start installation** to begin the LoadMaster installation.Refer to the relevant Installation Guide on the Progress Kemp documentation page for further steps on initially configuring the LoadMaster: https://docs.progress.com/ Refer to the Licensing, Feature Description document for instructions on how to license the LoadMaster.
- **Fail:** The LoadMaster OS is not compatible with this machine. Press return to exit the results screen and return to the **LoadMaster-installation** main menu.Please consult the Progress Kemp website for more details on hardware compatibility.

If the check fails, the installation will not work. If desired, please contact a Progress Kemp representative with the details from the hardware compatibility check to discuss compatibility.

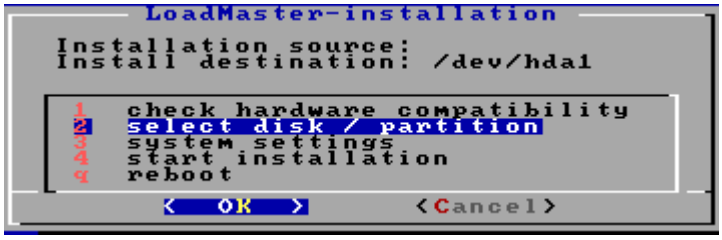
For a list of server platforms and hardware devices supported by the LoadMaster OS, refer to the LoadMaster - Bare Metal Hardware Compatibility list:

http://kemptechnologies.com/loadmaster-hardware-compatability-list

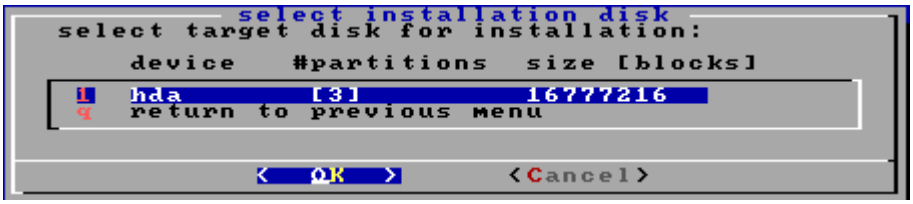
# Select Disk/Partition

## Select Disk/Partition

The recommended best practice is to select the disk, delete all existing partitions and then start the installation. To do this, complete the following steps:



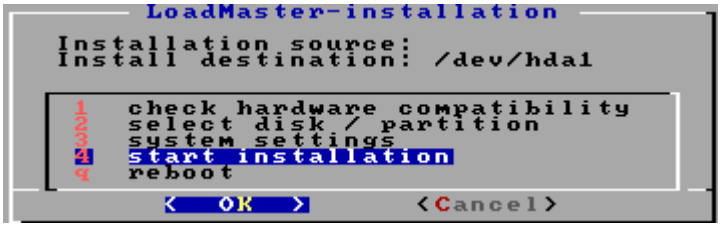

1. Select select disk/partition and press **OK**.




2. Select the target disk for installation and press **OK**.




3. Select delete existing partition(s) and press **OK**.




4. Select start installation and press **OK**.

# 3

# References

## References

Useful links are provided below.

**The LoadMaster Family of Bare Metal Load Balancers & ADCs**

http://kemptechnologies.com/loadmaster-family-bare-metal-software-load-balancers-application-delivery-controllers/

**LoadMaster - Bare Metal Hardware Compatibility list**

http://kemptechnologies.com/loadmaster-hardware-compatability-list

**Licensing, Feature Description**

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