

# Envmodules Users Guide

6.1 Edition

## **Envmodules Users Guide**

6.1 Edition

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# Table of Contents

<b>Preface</b> .....	<b>v</b>
<b>1. Overview</b> .....	<b>1</b>
<b>2. Installing</b> .....	<b>2</b>
2.1. On a New Server .....	2
2.2. On an Existing Server.....	2
<b>A. Rocks® Copyright</b> .....	<b>3</b>
<b>B. Third Party Copyrights and Licenses</b> .....	<b>4</b>
B.1. environment modules License and Copyright .....	4

# List of Tables

1-1. Summary.....	1
1-2. Compatibility.....	1

# Preface

The `envmodules` roll provides environment modules for a Rocks cluster. It installs the package in `/opt/modules` on both server and client hosts and directs the module package to look in `/opt/modulefiles` for module files. For convenience, if the `HPC` roll is present, the `envmodules` roll installs module files for the versions of `MPICH`, `MPICH2`, and `OpenMPI` provided by the `HPC` roll.

# Chapter 1. Overview

**Table 1-1. Summary**

Name	envmodules
Version	6.1
Maintained By	Rocks Group
Architecture	i386, x86_64
Compatible with Rocks®	6.1

The envmodules roll has the following requirements of other rolls. Compatibility with all known rolls is assured, and all known conflicts are listed. There is no assurance of compatibility with third-party rolls.

**Table 1-2. Compatibility**

Requires	Conflicts
Base	
Kernel	
OS	

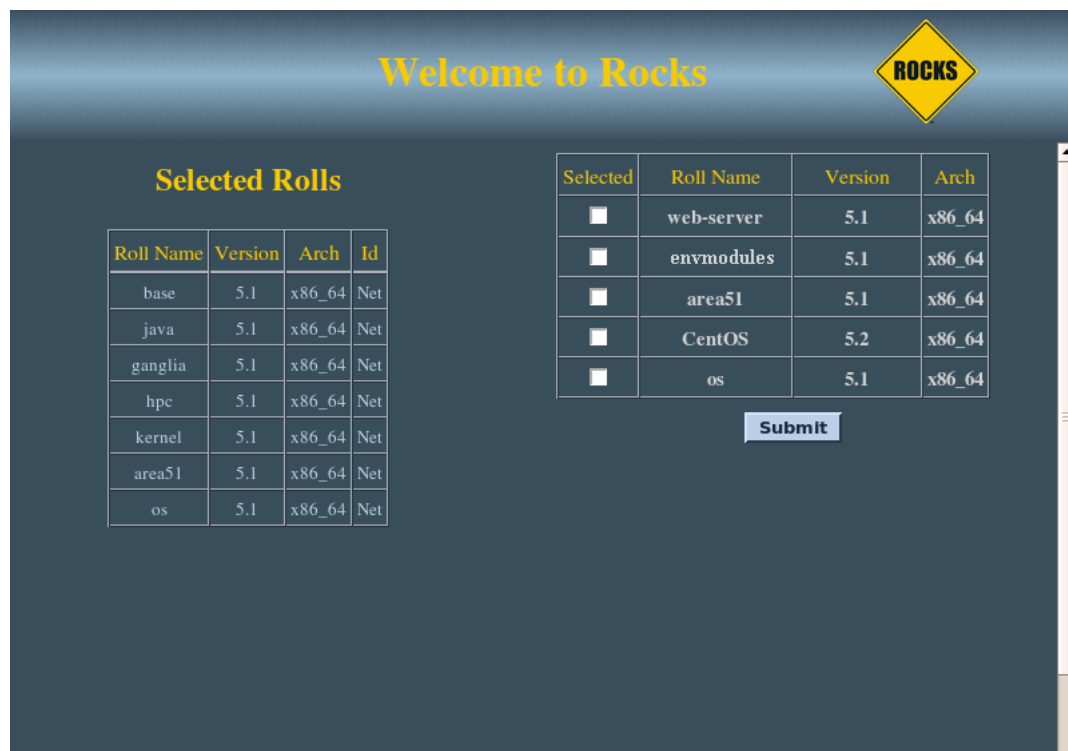


This roll has been released independent of the corresponding Rocks® release. It therefore requires the complete **OS** roll and will not function correctly if using only the **Jumbo** or incomplete set of **OS** CDRoms.

# Chapter 2. Installing

## 2.1. On a New Server

The `envmodules` roll should be installed during the initial installation of your server (or cluster). This procedure is documented in section 1.2 of the Rocks® usersguide. You should select the `envmodules` roll from the list of available rolls when you see a screen that is similar to the one below.



## 2.2. On an Existing Server

The `envmodules` Roll may also be added onto an existing server (or frontend). For sake of discussion, assume that you have an iso image of the roll called `envmodules.iso`. The following procedure will install the Roll, and after the server reboots the Roll should be fully installed and configured.

```
$ su - root
# rocks add roll envmodules.iso
# rocks enable roll envmodules
# cd /export/rocks/install
# rocks create distro
# rocks run roll envmodules | bash
# init 6
```

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