Ganglia Roll: Users Guide

Version 4.3 Edition

Ganglia Roll: Users Guide:

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Preface

This Roll installs and configures the Ganglia¹ cluster monitoring system.

Notes

1. http://ganglia.sourceforge.net/

Chapter 1. Overview

Table 1-1. Summary

Name	ganglia
Version	4.3
Maintained By	Rocks Group
Architecture	i386, x86_64, ia64
Compatible with Rocks TM	4.3

Table 1-2. Roll Compatibility

Roll	Requires a	Optional ь	Conflicts
alpha		X	
area51		X	
base	X		
bio		X	
condor		X	
ganglia	X		
grid		X	
hpc	X		
java		X	
kernel	X		
os (disk 1)	X		
os (disk 2)	X		
os (disk 3)		X	
os (disk 4)		X	
pbs		X	
service-pack		X	
sge		X	
viz	X		
web-server		X	

Notes

- a. You may also substitute your own OS CDs for the RocksTM OS Roll CDs. In this case you must use all the CDs from your distribution and not use any of the RocksTM OS Roll CDs.
- b. Only Rolls that have been verified as compatible with this Roll are listed. Other Rolls will likely work, but have not been tested by the maintainer of this Roll.

Chapter 2. Installing the ganglia Roll

2.1. Adding the Roll

The ganglia Roll must be installed during the Frontend installation step of your cluster (refer to section 1.2 of the Rocks usersguide). Future releases will allow the installation of the ganglia Roll onto a running system.

The ganglia Roll is added to a Frontend installation in exactly the same manner as the required HPC Roll. Specifically, after the HPC Roll is added the installer will once again ask if you have a Roll (see below). Select 'Yes' and insert the ganglia Roll.



Chapter 3. Using the ganglia Roll

3.1. Using the ganglia Roll

Tutorials for using ganglia and its components are available from the ganglia web site¹

Notes

1. http://www.ganglia.info

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Rocks(tm)
www.rocksclusters.org
version 4.3 (Mars Hill)

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B.3. rrdtool

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Notes

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