
Gluster Management Console Release Notes

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1. Introduction

This document provides important information regarding Gluster Management Console version 1.0.0. Please review this entire document before installing Gluster Management Console.

It also provides basic information about what you should know before installing the product, including system requirements, product support, and how to access product documentation.

2. What's New in Gluster Management Console v1.0.0?

This section describes the new features available in Gluster Management Console. The following is a list of feature highlights of this new version of the management console:

2.1. Gluster Management Gateway

Gluster Management Gateway provides simple and powerful ReST APIs for managing your Gluster Storage Cluster. It also hosts the Gluster Management Console binaries, which can be launched from a browser using the Java Webstart. Gluster Management Console uses the ReST APIs for performing the administrative tasks on the Gluster Storage Cluster.

2.2. Gluster Management Console

Gluster Management Console is a Java application that provides a single interface to perform the administrative tasks such as create, manage, and maintain your storage cluster. Installation and configuration information for the Gluster Management Console is available in the Gluster Management Console User Guide.

2.3. Volume Management

The highest level of organization in the file system is the volume. A volume is a logical collection of bricks. Most of the Gluster management operations happen on the volume. Brick is the basic unit of storage, represented by an export directory on a server in the trusted storage pool. Gluster Management Console provides a GUI to administer volume management functions such as:

- List Volumes
- Create Volume
- Display Volume details
 - Properties
 - Bricks of volumes
 - Volume Options
 - Alerts
 - Tasks
- Configure Volume
 - Access Protocols (Gluster, NFS, CIFS)
 - Access Control
- Delete Volume
- Brick Management
 - Add Brick(s)
 - Remove Brick(s)

- Migrate Brick

2.4. Cluster Management

A cluster is a group of independent computer systems, referred to as nodes, working together as a unified storage resource. Gluster Management Console provides a graphical user interface (GUI) to administer cluster management functions such as:

- Display cluster information
 - Summary
 - Historic Network and CPU Usage charts
 - Alerts
 - Tasks
- Auto-discovery of servers that are not yet part of a cluster
- List servers of the cluster
- Add server(s)
- Remove server(s)

2.5. Server Management

Gluster Management Console provides a graphical user interface (GUI) to administer server management functions such as:

- Display Server details
 - Resources
 - Historic CPU, Memory, and Network usage charts
 - Alerts
 - Tasks
- Disk Management
 - List all disks of the cluster or server
 - Initialize (format) a disk

2.6. Log Management

Gluster Management Console provides a graphical user interface (GUI) to administer log management functions such as:

- Volume Logs
 - Search logs of a volume based on search criteria
 - Download logs

2.7. CIFS

Common Internet File System (CIFS) operates as an application-layer network protocol to provide shared access to files, printers, serial ports, and miscellaneous communications between nodes on a network. It also provides an authenticated inter-process communication mechanism. Gluster Management Console provides:

- Command line tools to:
 - Configure CIFS services on servers
 - Create or Delete CIFS users
- Enable or Disable CIFS re-export of a volume from the console

2.8. Authentication

- Default single user *gluster* having all permissions
- Login window
- Password management

2.9. Tools

- Settings
- Terminal (SSH)

3. Pre-Installation Information

This section describes the basic information that you should know before installing Gluster Management Console v1.0.0. This section includes the following topics:

- [System Requirements for the Gluster Management Gateway](#)
- [System Requirements for Backend Package Installation](#)
- [System Requirements for the Client Machine](#)
- [Web Browser Requirements](#)
- [Product Download](#)
- [Product Documentation](#)

3.1. System Requirements for the Gluster Management Gateway

Before installing the Management Gateway, verify that your system matches the following minimum requirements:

- Memory: 2 GB RAM
- Processor: 2 (2.4 GHz each) is recommended; 64 bit
- Disk Space: 10 GB
- The gateway machine can be Gluster Storage Software Appliance, Gluster Virtual Storage Appliance, or CentOS 5.6.

Note: You can install the Gluster Management Gateway packages on a Gluster Storage Server. However, this can impact performance of the GlusterFS processes on this machine hence this is not recommended.

3.2. System Requirements for Backend Package Installation

Gluster recommends the following pre-requisite for installing backend package:

- Your backend machines can be Gluster Storage Software Appliance, Gluster Virtual Storage Appliance, or CentOS 5.6 running GlusterFS v3.2.3 or higher.

3.3. System Requirements for the Client Machine

Verify the following:

- Processor - 1.4 GHz
- Memory - 2 GB RAM
- Disk - 100 MB
- Operating Systems: Windows XP/Vista/7, Linux, Mac OS X
- Oracle JRE v1.6

3.4. Web Browser Requirements

- Use your Java Runtime Environment (JRE) installer to configure your browser for Java Web Start. Also, ensure that you have configured your browser to open `.jnlp` files using the Java Web Start application or `javaws.exe` located in `bin` folder of your JRE installation.
- When you access the Gluster Management Console, Java Web Start downloads all required `.jar` files from the Gateway server and launches the console's GUI. During this process, web start may display a certificate warning mentioning that the application is signed by Gluster, Inc. This certificate is authentic, but it requires full permissions as the application contains features that require registering information on the client's hard disk such as exporting the security keys from gateway. You can accept the warning and select **Always Trust Content from this Provider** on your browser to avoid this warning every time you launch the application.

3.5. Product Download

Refer to the [Gluster Management Console User Guide](#) for more information about how to download and install the product.

3.6. Product Documentation

You can find information about Gluster Management Console in the following documents, in addition to the online Help.

Documentation Title	Description
Gluster Management Console User Guide	Describes how to install, configure Gluster Management Console. It also describes how to use the Gluster Management Console to build, manage, and maintain your Gluster storage cloud.
Gluster Management Gateway ReST API Guide	This guide describes the REST API for Gluster Management Gateway.
Gluster Management Console Release Notes	The release notes describes the new features in Gluster Management Console v1.0.0 and provides basic information that you should know before installing the product.

4. Product Support

You can contact Gluster Commercial Support at <http://www.gluster.com/services>.

5. Copyright and Trademarks

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