Zenoss Core Installation Guide

Release 5.2.0

Zenoss, Inc.

www.zenoss.com

Zenoss Core Installation Guide

Contents

About this guide

Zenoss Core Installation Guide provides detailed procedures for installing Zenoss Core.

Related Zenoss Core publications

Title	Description
Zenoss Core Administration Guide	Provides an overview of Zenoss Core architecture and features, as well as procedures and examples to help use the system.
Zenoss Core Configuration Guide	Provides required and optional configuration procedures for Zenoss Core, to prepare your deployment for monitoring in your environment.
Zenoss Core Installation Guide	Provides detailed information and procedures for creating deployments of Control Center and Zenoss Core.
Zenoss Core Browser Interface Guide	Describes how to navigate and use the Zenoss Core browser interface.
Zenoss Core Planning Guide	Provides both general and specific information for preparing to deploy Zenoss Core.
Zenoss Core Release Notes	Describes known issues, fixed issues, and late-breaking information not already provided in the published documentation set.
Zenoss Core Upgrade Guide	Provides detailed information and procedures for upgrading deployments of Zenoss Core.

Additional information and comments

Zenoss welcomes your comments and suggestions regarding our documentation. To share your comments, please send an email to docs@zenoss.com. In the email, include the document title and part number. The part number appears at the end of the list of trademarks, at the front of this guide.

Change history

The following list associates document part numbers and the important changes to this guide since the previous release. Some of the changes involve features or content, but others do not. For information about new or changed features, refer to the *Zenoss Core Release Notes*.

1051.16.335

Add a section detailing the supported operating environments.

Remove procedures for installing Control Center clusters. That information is now in the *Control Center Installation Guide*.

1051.16.316

Update release numbers.

1051.16.291

Update release numbers.

1051.16.277

Update release numbers.

1051.16.264

Update release numbers.

1051.16.257

Update release numbers.

1051.16.207

Update release numbers.

1051.16.176

Update release numbers.

1051.16.153

Update release numbers.

1051.16.146

Update release numbers.

1051.16.125

Refine the procedure for creating the application data thin pool.

1051.16.118

Add support for Zenoss Core 5.1.2.

Add a substep to create the docker override directory.

1051.16.111

Add this document change history.

Add chapters describing how to install the Zenoss Core appliance.

Chapters are organized into parts.

Docker configuration steps now add the storage driver flag (`-s devicemapper`) to the `/etc/sysconfig/docker` file.

Docker needs a longer startup timeout value, to work around a known Docker issue with the `devicemapper` driver. Docker configuration steps now include adding `TimeoutSec=300`.

Rather than editing `/lib/systemd/system/docker.service`, Docker configuration steps now include adding a `systemd` override file.

Add a symlink to `/tmp` in `/var/lib/docker`.

Update the commands for starting and testing a ZooKeeper ensemble.

Add a procedure for updating the *SERVICED_ZK* value on resource pool hosts that are not members of a ZooKeeper ensemble.

Add a reference topic for the ZooKeeper variables required on hosts in a Control Center cluster.

Add step to install the Nmap Ncat package, which is used to check ZooKeeper ensemble status.

1051.16.060

Planning information is now in the *Zenoss Core Planning Guide*.

Information about how to start and configure Zenoss Core is now in the *Zenoss Core Configuration Guide*.

Supported operating environments

Zenoss Core, Control Center, and operating systems

The following table identifies the supported combinations of Zenoss Core, Control Center, and operating system releases.

Zenoss Core Release	Control Center	
	Release	Host OS
5.2.0	1.2.0	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.9, 5.1.10	1.1.9, 1.2.0	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.8	1.1.5, 1.1.6, 1.1.7. 1.1.8, 1.1.9	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.7	1.1.5, 1.1.6, 1.1.7, 1.1.8	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.6 (internal release only)	(none)	(none)
5.1.4, 5.1.5	1.1.5, 1.1.6, 1.1.7	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.3	1.1.2, 1.1.3, 1.1.5	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.2	1.1.2, 1.1.3	RHEL/CentOS 7.1 or 7.2 (64-bit)
5.1.1	1.1.1, 1.1.2	RHEL/CentOS 7.1 or 7.2 (64-bit)

Installing Zenoss Core

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This chapter describes how to install Zenoss Core on a Control Center cluster. For more information about creating a Control Center cluster, refer to the following documents:

- *Control Center Planning Guide*
- *Zenoss Core Planning Guide*
- *Control Center Installation Guide*

Installing the Zenoss Core template

Use this procedure to install the Zenoss Core service definition template on the Control Center master host.

1 Log in to the Control Center master host as `root`, or as a user with superuser privileges.
2 Install the Zenoss Core template file.

```
yum --enablerepo=zenoss-stable install -y zenoss-core-service-5.2.0
```

The template file is stored in `/opt/serviced/templates`.

Deploying Zenoss Core

Use this procedure to add the Zenoss Core application to Control Center, and to pull application images into the local registry.

1 Log in to the Control Center master host as a user with `serviced` CLI privileges.
2 Add the Zenoss Core application template to Control Center.

```
serviced template add /opt/serviced/templates/zenoss*.json
```

On success, the `serviced` command returns the template ID.
3 Identify the resource pool to which the master host belongs.

```
serviced host list
```

4 Deploy the application.

- Replace *Template-ID* with the identifier Zenoss Core template
- Replace *Pool* with the name of the resource pool to which the master host belongs

■ Replace *Deployment* with a name for this deployment (for example, `Test` or `Production`)

```
serviced template deploy Template-ID Pool Deployment
```

Control Center pulls Zenoss Core images into the local registry, or just tags the images.

Zenoss Core is ready to be configured for your environment. For more information, refer to the *Zenoss Core Configuration Guide*.