

CEPH-DISK – CEPH DISK UTILITY FOR OSD

DEPRECATION NOTICE

This tool is now deprecated in favor of ceph-volume. Please see [ceph-volume\(8\)](#) for usage and examples to deploy OSDs.

SYNOPSIS

ceph-disk [-h] [-v] [-log-stdout] [-prepend-to-path PATH]
[-statedir PATH] [-sysconfdir PATH]
[-setuser USER] [-setgroup GROUP]
...

OPTIONAL ARGUMENTS

-h, --help	show this help message and exit
-v, --verbose	be more verbose
--log-stdout	log to stdout
--prepend-to-path <i>PATH</i>	
	prepend <i>PATH</i> to \$PATH for backward compatibility (default /usr/bin)
--statedir <i>PATH</i>	
	directory in which ceph state is preserved (default /var/lib/ceph)
--sysconfdir <i>PATH</i>	
	directory in which ceph configuration files are found (default /etc/ceph)
--setuser <i>USER</i>	use the given user for subprocesses, rather than ceph or root
--setgroup <i>GROUP</i>	
	use the given group for subprocesses, rather than ceph or root

SUBCOMMANDS

prepare

Prepare a directory or disk for a Ceph OSD

activate

Activate a Ceph OSD

activate-lockbox

Activate a Ceph lockbox

activate-block

Activate an OSD via its block device

activate-journal

Activate an OSD via its journal device

activate-all

Activate all tagged OSD partitions

list

List disks, partitions, and Ceph OSDs

suppress-activate

Suppress activate on a device (prefix)

unsuppress-activate

Stop suppressing activate on a device (prefix)

deactivate

Deactivate a Ceph OSD

destroy

Destroy a Ceph OSD

- zap
 - Zap/erase/destroy a device's partition table (and contents)
- trigger
 - Trigger an event (caled by udev)
- fix
 - Fix SELinux labels and/or file permissions

DESCRIPTION

ceph-disk is a utility that can prepare and activate a disk, partition or directory as a Ceph OSD. It is run directly or triggered by **ceph-deploy** or udev. It can also be triggered by other deployment utilities like Chef, Juju, Puppet etc.

It actually automates the multiple steps involved in manual creation and start of an OSD into two steps of preparing and activating the OSD by using the subcommands prepare and activate.

ceph-disk also automates the multiple steps involved to manually stop and destroy an OSD into two steps of deactivating and destroying the OSD by using the subcommands deactivate and destroy.

The documentation for each subcommand (prepare, activate, etc.) can be displayed with its --help option. For instance ceph-disk prepare --help.

BUGS

See also the Bugs section in [ceph-detect-init\(8\)](#).

AVAILABILITY

ceph-disk is part of Ceph, a massively scalable, open-source, distributed storage system. Please refer to the Ceph documentation at <http://ceph.com/docs> for more information.

SEE ALSO

[ceph-volume\(8\)](#) [ceph-detect-init\(8\)](#) [ceph-osd\(8\)](#), [ceph-deploy\(8\)](#)
