CEPH-MON – CEPH MONITOR DAEMON

SYNOPSIS

ceph-mon -i *monid* [–mon-data *mondatapath*]

DESCRIPTION

ceph-mon is the cluster monitor daemon for the Ceph distributed file system. One or more instances of **ceph-mon** form a Paxos part-time parliament cluster that provides extremely reliable and durable storage of cluster membership, configuration, and state.

The *mondatapath* refers to a directory on a local file system storing monitor data. It is normally specified via the mon data option in the configuration file.

OPTIONS

-f, **--foreground**

Foreground: do not daemonize after startup (run in foreground). Do not generate a pid file. Useful when run via ceph-run(8).

-d

Debug mode: like -f, but also send all log output to stderr.

--setuser userorgid

Set uid after starting. If a username is specified, the user record is looked up to get a uid and a gid, and the gid is also set as well, unless –setgroup is also specified.

--setgroup grouporgid

Set gid after starting. If a group name is specified the group record is looked up to get a gid.

-c ceph.conf, **--conf**=ceph.conf

Use *ceph.conf* configuration file instead of the default /etc/ceph/ceph.conf to determine monitor addresses during startup.

--mkfs

Initialize the mon data directory with seed information to form and initial ceph file system or to join an existing monitor cluster. Three pieces of information must be provided:

- The cluster fsid. This can come from a monmap (--monmap <path>) or explicitly via --fsid <uuid>.
- A list of monitors and their addresses. This list of monitors can come from a monmap (--monmap <path>), the mon host configuration value (in *ceph.conf* or via -m host1,host2,...), or mon addr lines in *ceph.conf*. If this monitor is to be part of the initial monitor quorum for a new Ceph cluster, then it must be included in the initial list, matching either the name or address of a monitor in the list. When matching by address, either the public addr or public subnet options may be used.
- The monitor secret key mon.. This must be included in the keyring provided via --keyring <path>.

--keyring

Specify a keyring for use with --mkfs.

AVAILABILITY

ceph-mon 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(8), ceph-mds(8), ceph-osd(8)