CEPH – CEPH FILE SYSTEM CONTROL UTILITY

SYNOPSIS

ceph [-m *monaddr*] [-w | *command* …]

DESCRIPTION

ceph is a control utility for communicating with the monitor cluster of a running Ceph distributed file system.

There are three basic modes of operation.

INTERACTIVE MODE

To start in interactive mode, no arguments are necessary. Control-d or 'quit' will exit.

WATCH MODE

Watch mode shows cluster state changes as they occur. For example:

```
ceph -w
```

COMMAND LINE MODE

Finally, to send a single instruction to the monitor cluster (and wait for a response), the command can be specified on the command line.

OPTIONS

-i infile
> will specify an input file to be passed along as a payload with the command to the monitor cluster. This is only used for specific monitor commands.

-o outfile
> will write any payload returned by the monitor cluster with its reply to outfile. Only specific monitor commands (e.g. osd getmap) return a payload.

-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.

-m monaddress[:port]
> Connect to specified monitor (instead of looking through ceph.conf).

EXAMPLES

To grab a copy of the current OSD map:

```
ceph -m 1.2.3.4:6789 osd getmap -o osdmap
```

To get a dump of placement group (PG) state:

```
ceph pg dump -o pg.txt
```

MONITOR COMMANDS

A more complete summary of commands understood by the monitor cluster can be found in the online documentation, at

http://ceph.com/docs/master/rados/operations/control

AVAILABILITY

ceph is part of the Ceph distributed file system. Please refer to the Ceph documentation at http://ceph.com/docs for more information.

SEE ALSO

ceph(8), mkcephfs(8)