OSDMAPTOOL – CEPH OSD CLUSTER MAP MANIPULATION TOOL

SYNOPSIS

osdmaptool *mapfilename* [–print] [–createsimple *numosd* [–pgbits *bitsperosd*]] [–clobber]

DESCRIPTION

osdmaptool is a utility that lets you create, view, and manipulate OSD cluster maps from the Ceph distributed file system. Notably, it lets you extract the embedded CRUSH map or import a new CRUSH map.

OPTIONS

--print
will simply make the tool print a plaintext dump of the map, after any modifications are made.

--clobber
will allow osdmaptool to overwrite mapfilename if changes are made.

--import-crush mapfile
will load the CRUSH map from mapfile and embed it in the OSD map.

--export-crush mapfile
will extract the CRUSH map from the OSD map and write it to mapfile.

--createsimple numosd [--pgbits bitsperosd]
will create a relatively generic OSD map with the numosd devices. If –pgbits is specified, the initial placement group counts will be set with bitsperosd bits per OSD. That is, the pg_num map attribute will be set to numosd shifted by bitsperosd.

EXAMPLE

To create a simple map with 16 devices:

```
osdmaptool --createsimple 16 osdmap --clobber
```

To view the result:

```
osdmaptool --print osdmap
```

AVAILABILITY

osdmaptool 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), crushtool(8), mkcephfs(8)