MONMAPTOOL – CEPH MONITOR CLUSTER MAP MANIPULATION TOOL

SYNOPSIS

monmaptool *mapfilename* [–clobber] [–print] [–create] [–add *ip:port ...*] [–rm *ip:port ...*]

DESCRIPTION

monmaptool is a utility to create, view, and modify a monitor cluster map for the Ceph distributed storage system. The monitor map specifies the only fixed addresses in the Ceph distributed system. All other daemons bind to arbitrary addresses and register themselves with the monitors.

When creating a map with –create, a new monitor map with a new, random UUID will be created. It should be followed by one or more monitor addresses.

The default Ceph monitor port is 6789.

OPTIONS

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

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

--create
    will create a new monitor map with a new UUID (and with it, a new, empty Ceph file system).

--generate
    generate a new monmap based on the values on the command line or specified in the ceph configuration. This is, in order of preference,

        1. `--monmap filename` to specify a monmap to load
        2. `--mon-host 'host1,ip2'` to specify a list of hosts or ip addresses
        3. `[mon.foo]` sections containing `mon addr` settings in the config

--filter-initial-members
    filter the initial monmap by applying the `mon initial members` setting. Monitors not present in that list will be removed, and initial members not present in the map will be added with dummy addresses.

--add `name ip:port`
    will add a monitor with the specified ip:port to the map.

--rm `name`
    will remove the monitor with the specified ip:port from the map.

--fsid `uuid`
    will set the fsid to the given uuid. If not specified with –create, a random fsid will be generated.

EXAMPLE

To create a new map with three monitors (for a fresh Ceph file system):

```
monmaptool  --create  --add  mon.a 192.168.0.10:6789 --add mon.b 192.168.0.11:6789 \
   --add mon.c 192.168.0.12:6789 --clobber monmap
```

To display the contents of the map:

```
monmaptool --print monmap
```

To replace one monitor:

```
monmaptool --rm mon.a --add mon.a 192.168.0.9:6789 --clobber monmap
```

AVAILABILITY

monmaptool 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), crushtool(8),