

# JERASURE PLUGIN

## INTRODUCTION

The parameters interpreted by the jerasure plugin are:

```
ceph osd erasure-code-profile set myprofile \  
  directory=<dir>          \ # plugin directory absolute path  
  plugin=jerasure          \ # plugin name (only jerasure)  
  k=<k>                    \ # data chunks (default 2)  
  m=<m>                    \ # coding chunks (default 2)  
  technique=<technique>    \ # coding technique
```

The coding techniques can be chosen among *reed\_sol\_van*, *reed\_sol\_r6\_op*, *cauchy\_orig*, *cauchy\_good*, *liberation*, *blaum\_roth* and *liber8tion*.

The *src/erasure-code/jerasure* directory contains the implementation. It is a wrapper around the code found at <https://github.com/ceph/jerasure> and <https://github.com/ceph/gf-complete>, pinned to the latest stable version in *.gitmodules*. These repositories are copies of the upstream repositories <http://jerasure.org/jerasure/jerasure> and <http://jerasure.org/jerasure/gf-complete>. The difference between the two, if any, should match pull requests against upstream.