Configuration Information

MAR\_reserved\_xattr {

objrepo data repsitory

objid object id, if value is “file” obj list is in md file

objtype multi-part (list), uni-part, striped, or packed (multi-file)

objoffset offset of this file into the object (for packed)

objchnksz chunk size file was written with

objconfversion version of config file was written with

objcorrectinfo info (like cksum – only for uni and packed(perf file))

(for multi-part the objcorrectinfo would be per object in the md file)

(don’t know how to do this in striped mode)

objrestart file is in restart mode (use on multi-part being updated (y/n)

objidbytes for a multi-part file, the number of bytes in the metadata file that contain objid information, the rest of the file will be a hole

}

MAR\_mnttop top level mount point for fuse/pftool

Fuse/pftool will append MAR\_mnttop on the front of all the name space segments below to construct a namespace tree

Example

MAR\_mnttop = /redsea

MAR\_namespace.mnt.mntpath = /projecta

MAR\_namespace.mnt.mdpath = /md/projecta

MAR\_namespace.mnt.mntpath = /projectb

MAR\_namespace.mnt.mdpath = /md/project

User refers to /redsea/projecta and that refers to files metadata file system/namespace in /md/projecta

MAR\_namespace { (one stanza for each namespace segment) {

(one for each namespace)

mntpath mount point path

bperms rmwmrdwdudtd for batch (pftool)(rdmeta,wrmeta, rddata, wrdata,unlinkdata,truncatedata)

iperms rmwmrdwdudtd for interactive (fuse)

mdpath metadata path

iwrite\_repo data repository for interactively written files (fuse)

iwrite\_chunksize chunksize for interactive writing

swrite\_repo data repository small files (pftool)

swrite\_size max size for small (pftool)

mwrite\_repo data repo medium files (pftool)

mwrite\_size max size for medium (pftool)

lwrite\_repo data repo large files (pftool)

lwrite\_size max size for large (pftool)

lwrite\_chunksize chunksize for large files

xlwrite\_repo data repo for xlarge files

xlwrite\_chunksize chunksize for xlarge files

trashmdpath path for md for trashing filenames

fsinfopath path for batch process to update fsinfo into

quota\_space quota in space

quota\_names quota in names

}

}

MAR\_datarepo { (one stanza for each data repo)

(one

{

name name for this repo

path data path (URL or other) for this repo

updateinplace this repo supports update in place (yes no)

repomethodinfo repo access method info

(DIRECT (just use the metadata file as the file), CDMI, etc.

securitymethod security method for this repo

enctype encryption type for this repo

comptype compression type for this repo

correcttype correctness type for this repo

onoffline may be offline

latency how long to wait for repo

dirty\_percent percent dirty for repack (pftool)

packfiles pack small files (yes/no) for this repo (pftool)

}

}