LOCAL POOL PLUGIN

The *localpool* plugin can automatically create RADOS pools that are localized to a subset of the overall cluster. For example, by default, it will create a pool for each distinct rack in the cluster. This can be useful for some deployments that want to distribute some data locally as well as globally across the cluster .

ENABLING

The *localpool* module is enabled with:

```
ceph mgr module enable localpool
```

CONFIGURING

The *localpool* module understands the following options:

- **subtree** (default: *rack*): which CRUSH subtree type the module should create a pool for.
- **failure_domain** (default: *host*): what failure domain we should separate data replicas across.
- **pg_num** (default: *128*): number of PGs to create for each pool
- **num_rep** (default: *3*): number of replicas for each pool. (Currently, pools are always replicated.)
- **min_size** (default: none): value to set min_size to (unchanged from Ceph's default if this option is not set)
- **prefix** (default: *by-$subtreetype*-): prefix for the pool name.

These options are set via the config-key interface. For example, to change the replication level to 2x with only 64 PGs,

```
ceph config-key set mgr/localpool/num_rep 2
ceph config-key set mgr/localpool/pg_num 64
```