

Rebalance / recovery speed

Form <https://www.suse.com/support/kb/doc/?id=000019693>:

- **osd max backfills** This is the maximum number of backfill operations allowed to/from OSD. The higher the number, the quicker the recovery, which might impact overall cluster performance until recovery finishes.
- **osd recovery max active** This is the maximum number of active recover requests. Higher the number, quicker the recovery, which might impact the overall cluster performance until recovery finishes.
- **osd recovery op priority** This is the priority set for recovery operation. Lower the number, higher the recovery priority. Higher recovery priority might cause performance degradation until recovery completes.

Defaults in Proxmox:

```
# ceph config get osd osd_max_backfills
1
# ceph config get osd osd_recovery_max_active
0
# ceph config get osd osd_recovery_op_priority
3
```

Speed up CEPH recovery:

```
ceph tell 'osd.*' injectargs --osd-max-backfills=2 --osd-recovery-max-active=6 --osd_recovery_op_priority=2
```

or

```
ceph tell 'osd.*' injectargs --osd-max-backfills=3 --osd-recovery-max-active=9 --osd_recovery_op_priority=2
```

And return to defaults:

```
ceph tell 'osd.*' injectargs --osd-max-backfills=1 --osd-recovery-max-active=0 --osd_recovery_op_priority=3
```

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