4. For the OSD 5 service, set the operations history size to track 40 completed operations and the operations history duration to 700 seconds.

    4.1. Modify the `osd_op_history_size` and `osd_op_history_duration` parameters. Set the history size parameter to 40 and the history duration parameter to 700. Use the `ceph daemon` command to verify the changed values.

```
[ceph: root@clienta /]# ceph tell osd.5 config set osd_op_history_size 40
{
    "success": "osd_op_history_size = '40' "
}
[ceph: root@clienta /]# ceph tell osd.5 config set osd_op_history_duration 700
{
    "success": "osd_op_history_duration = '700' "
}
[ceph: root@clienta /]# ceph tell osd.5 dump_historic_ops | head -n 3
{
    "size": 40,
    "duration": 700,
```

5. For all OSDs, modify the current runtime value for the maximum concurrent backfills to 3 and for the maximum active recovery operations to 1.

    5.1. Set the value of the `osd_max_backfills` parameter to 3.

```
[ceph: root@clienta /]# ceph tell osd.* config set osd_max_backfills 3
osd.0: {
    "success": "osd_max_backfills = '3' "
}
...output omitted...
osd.8: {
    "success": "osd_max_backfills = '3' "
}
```

    5.2. Set the value of the `osd_recovery_max_active` parameter to 1.

```
[ceph: root@clienta /]# ceph tell osd.* config set osd_recovery_max_active 1
osd.0: {
    "success": "osd_recovery_max_active = '1' "
}
...output omitted...
osd.8: {
    "success": "osd_recovery_max_active = '1' "
}
```

6. Return to `workstation` as the `student` user.

```
[ceph: root@clienta /]# exit
[admin@clienta ~]$ exit
[student@workstation ~]$
```