

3	72	72
4	135	135
5	59	59

**Note**

If no data displays, then use the first terminal to generate the workload again. The metric collection must run while the bench tool is generating workload.

- 4.4. In the second terminal, locate the system by using the OSD ID from the previous step, where the OSD has high latency. Determine the name of the system.

```
[ceph: root@clienta /]# ceph osd tree
ID CLASS WEIGHT  TYPE NAME        STATUS REWEIGHT PRI-AFF
-1          0.08817  root default
-3          0.02939    host serverc
 0   hdd  0.00980      osd.0        up   1.00000  1.00000
 1   hdd  0.00980      osd.1        up   1.00000  1.00000
 2   hdd  0.00980      osd.2        up   1.00000  1.00000
-5          0.02939    host serverd
 3   hdd  0.00980      osd.3        up   1.00000  1.00000
 5   hdd  0.00980      osd.5        up   1.00000  1.00000
 7   hdd  0.00980      osd.7        up   1.00000    0
-7          0.02939    host servere
 4   hdd  0.00980      osd.4        up   1.00000  1.00000
 6   hdd  0.00980      osd.6        up   1.00000  1.00000
 8   hdd  0.00980      osd.8        up   1.00000  1.00000
```

► 5. Evaluate the OSD performance counters.

- 5.1. Verify the performance counters for the OSD. Redirect the output of the command to a file called `perfdump.txt`.

```
[ceph: root@clienta /]# ceph tell osd.6 perf dump > perfdump.txt
```

- 5.2. In the `perfdump.txt` file, locate the section starting with `osd:`. Note the `op_latency` and `subop_latency` counters, which are the read and write operations and suboperations latency. Note the `op_r_latency` and `op_w_latency` parameters.

Each counter includes `avgcount` and `sum` fields that are required to calculate the exact counter value. Calculate the value of the `op_latency` and `subop_latency` counters by using the formula `counter = counter.sum / counter.avgcount`.

```
[ceph: root@clienta /]# cat perfdump.txt | grep -A88 '"osd"'
"osd": {
  "op_wip": 0,
  "op": 3664,
  "op_in_bytes": 994050158,
  "op_out_bytes": 985,
  "op_latency": {
    "avgcount": 3664,
    "sum": 73.819483299,
```