

**#BZ BZ1849051: no etcd leader change error should take place while running NP tests.**

Verified on OCP4.5.0-0.nightly-2020-06-23-075004 with OSP16.1  
(RHOS-16.1-RHEL-8-20200623.n.0) with OVN.

**NP tests run with parallelism set to 3 with expected results.**

- No etcd leader change observed during test execution (on day 2020-06-24):

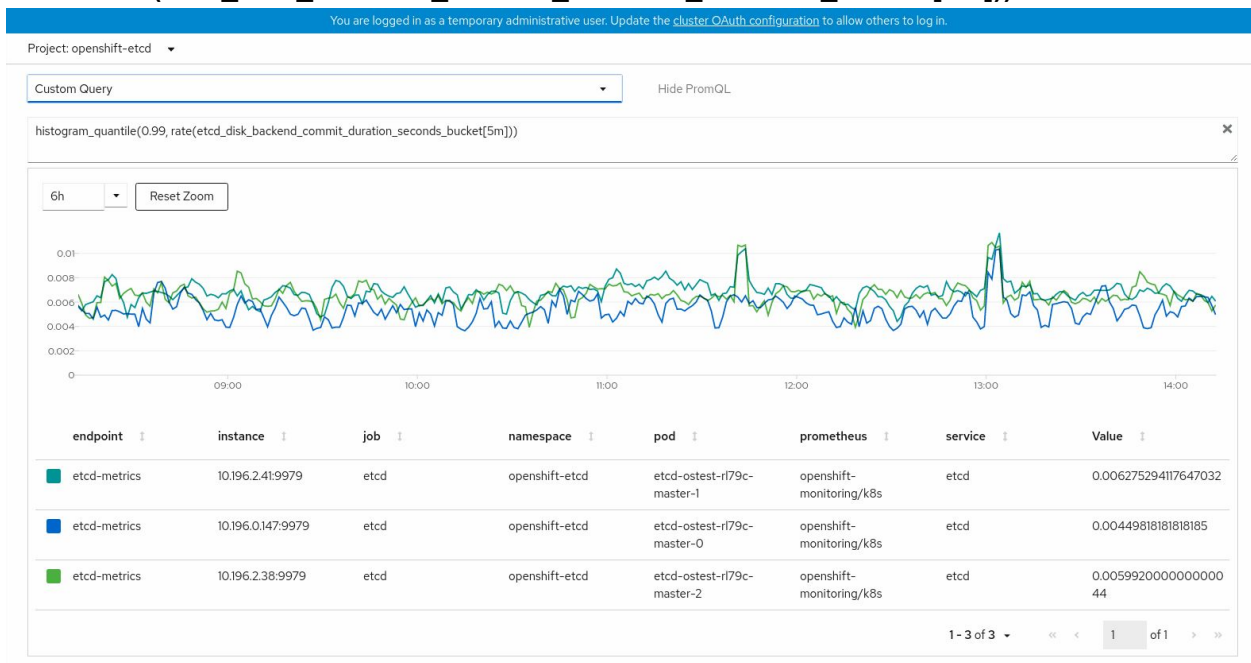
```
[stack@undercloud-0 ~]$ date && for i in $(oc get pods -n openshift-etcd -l app=etcd -o NAME); do echo "# $i"; oc logs $i -n openshift-etcd -c etcd |grep 'became leader'; done
Wed Jun 24 08:30:46 EDT 2020
# pod/etcd-ostest-rl79c-master-0
# pod/etcd-ostest-rl79c-master-1
raft2020/06/23 19:20:32 INFO: 95db74b7d4920873 became leader at term 4
# pod/etcd-ostest-rl79c-master-2
```

- No timeouts on port 2380 during test execution (on day 2020-06-24)::

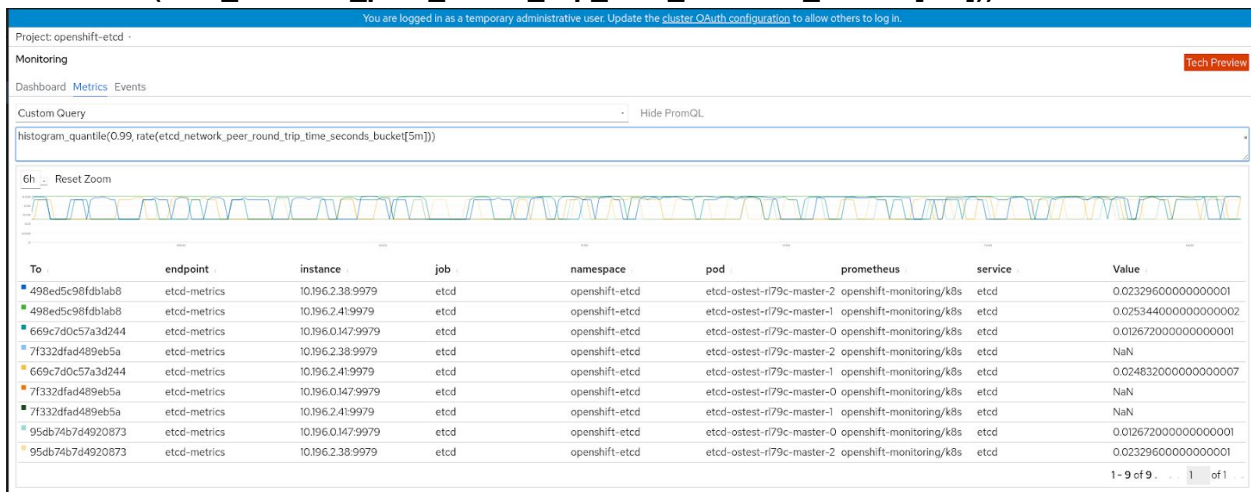
```
[stack@undercloud-0 ~]$ date && for i in $(oc get pods -n openshift-etcd -l app=etcd -o NAME); do echo "# $i"; oc logs $i -n openshift-etcd -c etcd |grep 'timeout'; done
Wed Jun 24 08:32:24 EDT 2020
# pod/etcd-ostest-rl79c-master-0
# pod/etcd-ostest-rl79c-master-1
2020-06-23 19:22:07.725074 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 99.146027ms, to 669c7d0c57a3d244)
2020-06-23 19:22:07.725270 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 99.345401ms, to 498ed5c98fdb1ab8)
2020-06-23 19:36:22.023038 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 5.072443ms, to 669c7d0c57a3d244)
2020-06-23 19:36:22.023217 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 5.25579ms, to 498ed5c98fdb1ab8)
2020-06-23 19:36:39.306596 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 225.467102ms, to 669c7d0c57a3d244)
2020-06-23 19:36:39.306625 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 225.499258ms, to 498ed5c98fdb1ab8)
2020-06-23 19:37:21.550861 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 276.735925ms, to 669c7d0c57a3d244)
2020-06-23 19:37:21.551163 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 277.040716ms, to 498ed5c98fdb1ab8)
2020-06-24 01:50:08.688456 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 13.412946ms, to 669c7d0c57a3d244)
2020-06-24 01:50:08.688518 W | etcdserver: failed to send out heartbeat on time (exceeded the 100ms timeout for 13.482507ms, to 498ed5c98fdb1ab8)
# pod/etcd-ostest-rl79c-master-2
```

Furthermore, etcd metrics show an stable behaviour during the same:

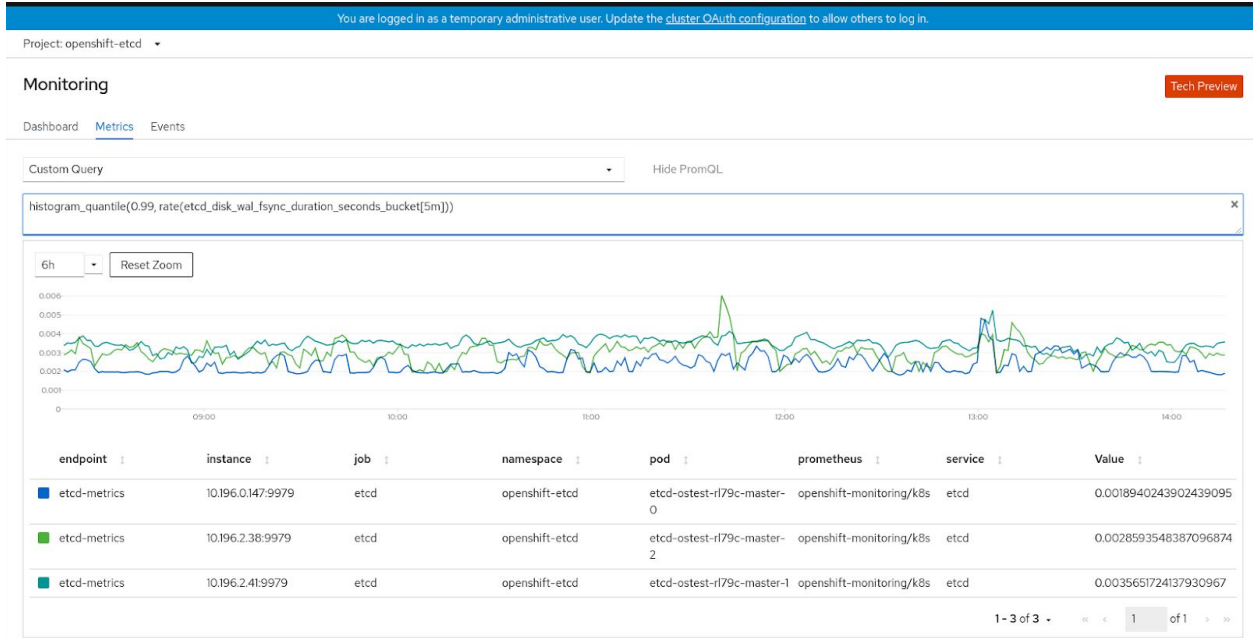
- **histogram\_quantile(0.99, rate(etcd\_disk\_backend\_commit\_duration\_seconds\_bucket[5m]))**



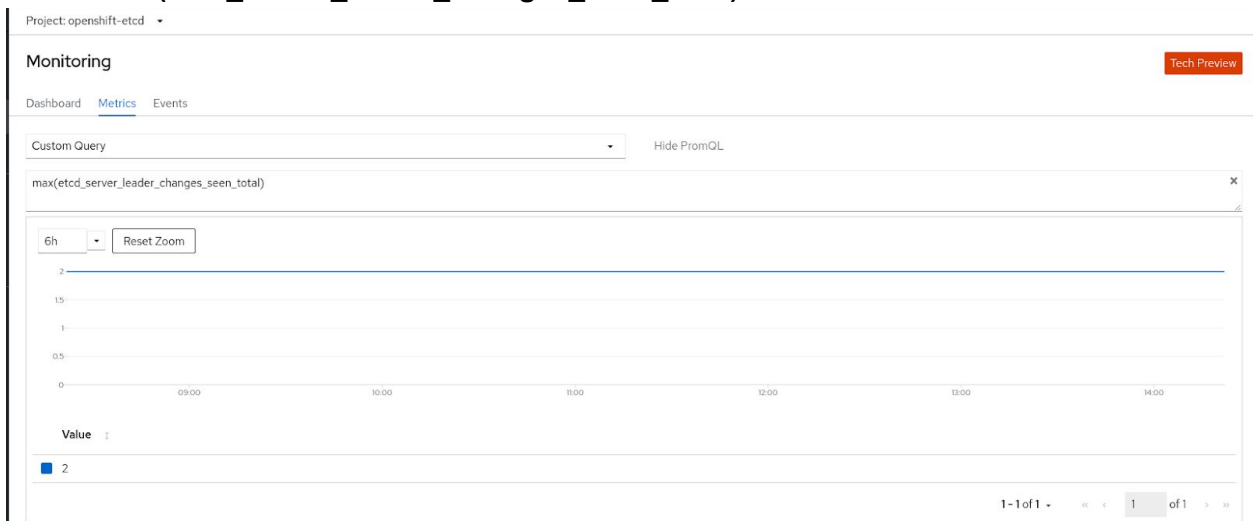
- **histogram\_quantile(0.99, rate(etcd\_network\_peer\_round\_trip\_time\_seconds\_bucket[5m]))**



- **histogram\_quantile(0.99, rate(etcd\_disk\_wal\_fsync\_duration\_seconds\_bucket[5m]))**



- **max(etcd\_server\_leader\_changes\_seen\_total)**



- **etcd\_network\_disconnected\_peers\_total**

Monitoring

Tech Preview

Dashboard Metrics Events

Custom Query Hide PromQL

etcd\_network\_disconnected\_peers\_total

