Hewlett Packard Enterprise   **HPE Support Center**

Customer opentsdb table is not purged by OpentSDB purge script

Issue

Customer Opentsdb table size is not changed after doing Opentsdb purge process

```
$/opt/mapr/opentsdb/opentsdb-2.4.1/bin/tsdb_cluster_mgmt.sh --purge
```

opentsdb table size is not changed a lot after doing so many purging

```
$ maprcli table info -path /var/mapr/mapr.monitoring/tsdb -json | grep -i logical
        "totallogicalsize":182329344000 which is bytes ---> Approx 182GB
```

Environment

Ezmeral DataFabric v7.0 and EEP 8.0.0

Cause

---Debug output for the OT purge script after using

$sh -x /opt/mapr/opentsdb/opentsdb-2.4.1/bin/tsdb_cluster_mgmt.sh --purge

```
..........

+ echo 'Fri Dec 22 17:20:59 PST 2023 Purged 152071 entries of metric mapr.db.increment_currpcs succede
+ rm -f /opt/mapr/opentsdb/opentsdb-2.4.1/var/log/opentsdb/ot_purgeData.log.mapr.db.increment_currpcs
+ for metric in $(echo "$RESP" | sed -e 's/\[//;s/\]//;s/\,/ /g;s/"//g' )
+ '[' 0 -eq 0 ']'
+ OT_SCAN_LOGFILE=/opt/mapr/opentsdb/opentsdb-2.4.1/var/log/opentsdb/ot_purgeData.log.mapr.db.incremen
++ date
+ echo 'Fri Dec 22 17:20:59 PST 2023 Purging old data for mapr.db.increment_rpcrows'
++ date '--date=2 days ago' +%Y/%m/%d
+ /opt/mapr/opentsdb/opentsdb-2.4.1/bin/tsdb scan --delete 2000/01/01 2023/12/20 sum mapr.db.increment
```

-OT purge data is limited to 500 metrics data points after looking /opt/mapr/opentsdb/opentsdb-2.4.1/bin/tsdb_cluster_mgmt.s script . so if customer has more then 500 data points then remaining data points would not be deleted!
```
--purgeData)

          OT_HEADERS=""
          OT_URL='api/suggest?type=metrics&max=500'
          OT_MISC=""
          OPER="GET"
          OT_MSG="data successfully purged from $OT_RETENTION_PERIOD"
          SHOW_OUTPUT=0
          EXPECT_ACK=""
          POST_PROCESSI
```

- Customer has 739 data points in opentsdb and this should be deleted by purge script
```
$ curl -s "http://localhost:4242/api/suggest?type=metrics&max=100000" | python -m json.tool | wc -l
739
```

so this is a reason for increased size of metrics in Opentsdb table i.e 739-500 = 239 metrics is not deleted by opentsdb purge script

Resolution

1.Edit this file /opt/mapr/opentsdb/opentsdb-2.4.1/bin/tsdb_cluster_mgmt.sh on all opentsdb service node from max 500 to 1000.

OT_URL='api/suggest?type=metrics&max=500' with OT_URL='api/suggest?type=metrics&max=1000'

2.Stop/Start Opentsdb services on all opentsdb service node.

```
# maprcli node services -name opentsdb -action stop -filter '[csvc==opentsdb]'
# maprcli node services -name opentsdb -action start -filter '[csvc==opentsdb]'
```

→

```
# maprcli node services -name opentsdb -action stop -filter '[csvc==opentsdb]'
# maprcli node services -name opentsdb -action start -filter '[csvc==opentsdb]'
```