# Cluster Health Check

**select** \* **from** nodes;

* This will tell you the state of all nodes.
* If any one of the nodes is NOT UP, immediate action is required to bring it UP.

**select** **count**(\*) **from** sessions;

* This will give you the count of active sessions
* If over 100 sessions are active it could explain database slowness

**select** current\_epoch, ahm\_epoch, last\_good\_epoch **from** system;

* ahm\_epoch should NOT be far behind current\_epoch
* if diff > 10, run select make\_ahm\_now();

**select** \* **from** resource\_queues;

* This will tell you if any jobs are waiting for resources
* usually they are waiting on memory, so current sessions are already using all resources and new jobs have to wait

**select** \* **from** active\_events **order** **by** event\_posted\_timestamp **desc** limit 20;

* This will display latest events by event severity

**select** \* **from** locks **where** grant\_timestamp < sysdate - (1/24/(60/30));

* This will show locks on table for longer than 30 min

**select** **count**(\*) **from** delete\_vectors;

* Number of delete vectors in the database, if number is too big (in the thousands) run manual purge job

**select** \* **from** projections **where** **not** is\_up\_to\_date;

* Show projections that are not up to date, you might need to run refresh on them

**select** \* **from** projections **where** **not** has\_statistics;

* Projections with no statistics, run analyze on them

**select** 'SELECT CLOSE\_SESSION(''' || session\_id || ''');', \* **from** sessions **where** transaction\_id > -1;

* identify abandoned sessions and kill them (close session)

**select** current\_statement, \* **from** sessions **where** **length**(current\_statement) > 10;

* help id complicated queries

**select** SESSION\_ID **from** TUPLE\_MOVER\_OPERATIONS **where** IS\_EXECUTING = **True** **and** PLAN\_TYPE = 'Replay Delete';

* Sometimes tuple mover gets stuck in delete replay mode for days, use this select to find out the sessions that are stuck and kill them

SELECT \* FROM TUPLE\_MOVER\_OPERATIONS where is\_executing = 't' order by operation\_start\_timestamp;

* To check if any Tuple Mover operations are stuck