

RAC Failover Queries

Implementation of TAF could be verified by querying the data dictionary views. GV\$SESSION has three columns FAILOVER_MODE, FAILOVER_TYPE and FAILED_OVER that provides information pertaining to TAF implementation and verification of results when the node in the cluster crashes and fails over to one of the available nodes.

Verify what instance you are on?

```
select instance_number, instance_name from v$instance;
```

Assuming you are connected to instance-1 of 2-node RAC cluster. Perform the following.

<u>Putty-1</u> Execute the following.	<u>Putty-2</u> While the execution is going on from Putty-1 session, quickly switch to node2's putty session (Putty-2) and execute the following:
<pre>set linesize 200 set pagesize 200 set timi on col owner format a12 col object_name format a30 select * from dba_objects union select * from dba_objects;</pre>	<pre>srvctl stop instance -d RACDB -i RACDB1</pre>

```
column machine format a32
set linesize 900
column service_name format a20
column SID_Serial# format a10

select
  inst_id,MACHINE,
  service_name,
  SID||':'||Serial# as SID_Serial#,
  FAILOVER_TYPE,
  FAILOVER_METHOD,
  FAILED_OVER,
  COUNT (*)
FROM
  gv$SESSION
where
  service_name not like '%$%'
GROUP BY
  inst_id,
  MACHINE,
  service_name,
  SID,
  Serial#;
```

FAILOVER_TYPE,
FAILOVER_METHod,
Failed_over;