

ORACLE DATAGUARD HEALTH CHECK

To check dataguard_status.

```
SELECT PROCESS FROM V$MANAGED_STANDBY WHERE
PROCESS LIKE 'MRP%';
```

```
select database_role,db_unique_name,open_mode,protection_mode
from v$database;
```

Result:--

DATABASE_ROLE	DB_UNIQUE_NAME	OPEN_MODE	PROTECTION_MODE	PROTECTION_LEVEL	SWITCHOVER_STATUS
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PHYSICAL STANDBY	STANDBY	READ ONLY WITH
APPLY	MAXIMUM PERFORMANCE	MAXIMUM
PERFORMANCE	NOT ALLOWED	

To check last applied log in dataguard.

```
select THREAD#, MAX(SEQUENCE#) AS "LAST_APPLIED_LOG"
FROM V$LOG_HISTORY GROUP BY THREAD#;
```

Result:--

THREAD#	LAST_APPLIED_LOG
1	294

```
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1          294
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```

To check the log file of database.

```
select message from v$dataguard_status;
```

Result:--

RFS[193]: Assigned to RFS process 7498

RFS[193]: No standby redo logfiles created for thread 1

RFS[194]: Assigned to RFS process 7504

Media Recovery Log

/archive/hubprod/PROD/arch/1_294_896369591.dbf

Media Recovery Waiting for thread 1 sequence 295 (in transit)

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To check weather all archive's are applied or not.

select sequence#,applied from v\$archived_log order by sequence#;

Result:--

SEQUENCE#	APPLIED
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284	YES
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285	YES
-----	-----

286	YES
-----	-----

287	YES
-----	-----

288	YES
-----	-----

289	YES
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290	YES
-----	-----

291	YES
-----	-----

292	YES
-----	-----

293	YES
-----	-----

294	YES
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To verify the error in dataguard:

```
select error_code,MESSAGE from v$dataguard_status;
```

Result:---

ERROR_CODE	MESSAGE
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0	1 sequence 295
0	0 ARC3: Beginning to archive thread 1
0	sequence 294 (5967959586253-5967959586467)
0	ARC3: Completed archiving thread 1
0	sequence 294 (5967959586253-5967959586467)

```
select * from v$archive_gap;
```

thread#	low_sequence#	high_sequence#
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1	30	34