

## 11g – RMAN Recovery Advisor (If it's broke – fix it)



### DRAMa – Data Recovery Advisor

“The role of a production Oracle DBA is best described as hours of boredom punctuated by a few brief and fleeting moments of sheer panic.” - coworker

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IF IT AIN'T BROKE (then) DON'T FIX IT

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IF IT IS BROKE (then) FIX IT

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(If it's broke – fix it)



IF WE DO FIX IT (then) IT WAS BROKEN.

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*(Nota Bene: Only two things needed to fix all broken objects.)*

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- 2.) Duck Tape

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- 2.) Duck Tape – If it moves and shouldn't ...

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### What is the RMAN Recovery Advisor?

“Data Recovery Advisor is an Oracle Database tool that automatically diagnoses data failures, determines and presents appropriate repair options, and executes repairs at the user's request.”

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What are the steps involved in a RMAN Data Recovery using the Recovery Advisor?

- 1.) LIST FAILURE
- 2.) ADVISE FAILURE
- 3.) REPAIR FAILURE
- 4.) CHANGE FAILURE
- 5.) VALIDATE DATABASE

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What are the steps involved in a RMAN Data Recovery using the Recovery Advisor?

### 1.) LIST FAILURE

“The LIST FAILURE command does not execute data integrity checks to diagnose new failures; rather, it lists the results of previously executed assessments. “

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What are the steps involved in a RMAN Data Recovery using the Recovery Advisor?

1.) LIST FAILURE

2.) ADVISE FAILURE

“The ADVISE FAILURE command can present both manual and automatic repair options.”

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What are the steps involved in a RMAN Data Recovery using the Recovery Advisor?

1.) LIST FAILURE

2.) ADVISE FAILURE

3.) REPAIR FAILURE

“Use the REPAIR FAILURE command to repair database failures identified by the Data Recovery Advisor. “

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What are the steps involved in a RMAN Data Recovery using the Recovery Advisor?

- 1.) LIST FAILURE
- 2.) ADVISE FAILURE
- 3.) REPAIR FAILURE

### 4.) CHANGE FAILURE

“use the CHANGE FAILURE command to alter the status or priority of a failure “

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- 1.) LIST FAILURE
- 2.) ADVISE FAILURE
- 3.) REPAIR FAILURE
- 4.) CHANGE FAILURE

**5.) VALIDATE DATABASE**

Use “VALIDATE DATABASE to check for corrupt blocks and missing files “

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## Interfaces to the RMAN Recovery Advisor

RMAN> (Command line)

The Data Recovery Advisor (GUI)

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### Interfaces to the RMAN Recovery Advisor

RMAN> (Command line)

\$ RMAN

RMAN> connect catalog rman@rmancat (if using a catalog)

RMAN> connect target / (using ORACLE\_SID env var)

Or

RMAN> connect target sys@{ORACLE\_SID}

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## Interfaces to the RMAN Recovery Advisor

RMAN> (Command line)

\$ RMAN

RMAN> LIST FAILURE

RMAN> ADVISE FAILURE

RMAN> REPAIR FAILURE

RMAN> CHANGE FAILURE

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### Using RMAN Recovery Advisor Recovery Examples (files)

- 1.) lost system file
- 2.) lost datafile
- 3.) lost controlfile
- 4.) lost tempfile

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### Using RMAN Recovery Advisor Corruption Examples

- 1.) Internal to datafile
- 2.) Internal to controlfile
- 3.) Internal to redo log

# QUESTIONS

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