**REDO LOG FILES MANAGEMENT**

The following views are used in the redo log file management

1. **V$logfile and**
2. **V$log**

**1.Sql>desc v$logfile;**

Output:-

NAME NULL? TYPE

GROUP# NUMBER

MEMBER VARCHAR2

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**2.How to display redo log groups and the members in each group?**

Sql>select group#,member from v$logfile;

Output:-

GROUP# MEMBER

1. /home/prd/redo1.log
2. /home/prd/redo2.log

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**3.Sql>desc v$log**

Output:-

NAME NULL? TYPE

GROUP# NUMBER

BYTES NUMBER

MEMBERS NUMBER

STATUS VARCHAR

**-----------------------------------------------------------------------------------------------**

**4. How to display redo log groups, member in each group and the size of the each reo log file?**

Sql>select group#,member,bytes/1024/1024 from v$log;

Output:-

GROUP# MEMBERS BYTES/1024/1024

1 1 10MB

2 1 10MB

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**5.How to create redo log groups?**

Sql> alter database add logfile group 3 ‘/home/prd/redo3.log’ size 10m;

Sql>select group#,member,bytes/1024/1024 from v$log;

Output:-

GROUP# MEMBERS BYTES/1024/1024

1 1 10MB

2 1 10MB

3 1 10MB

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**REDO LOG FILE MULTIPLEXING:-**

Multiplexing means each redolog group must minimum 2 redolog files or 2 memebrs

**1.How to add member to a redolog froup?**

Sql> alter database add logfile member ‘/opt/redo1dkp.log’ to group 1;

Database altered.

Sql>alter databsee add logfile member ‘/opt/redo3bkp.log’ to group3;

Database altered.

Sql> Sql>select group#,member,**bytes/1024/1024** from v$log;

Output:-

GROUP# MEMBERS BYTES/1024/1024

1 2 10MB

2 2 10MB

3 2 10MB

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**2.How to drop a member from the group?**

Sql>alter database drop logfile member ‘/opt/redo3bkp.log’;

Database altered.

Sql>select group#,member,bytes/1024/1024 from v$log;

Output:-

GROUP# MEMBERS BYTES/1024/1024

1 2 10MB

2 2 10MB

3 1 10MB

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**3.How to drop a redo log group?**

Sql>alter database group logfile group 3;

Database altered.

Sql> select group#,member,bytes/1024/1024 from v$log;

Output:-

GROUP# MEMBERS BYTES/1024/1024

1 2 10MB

2 2 10MB

**It we drop any group or group member it will be removed from the control file but physically exist in os level. So we can remove from os level.**

We cannot drop current groups or current group member.

**4.How do we know which group is current?**

Sql>select group#,status from v$log;

Output;-

STATUS

CURRENT 🡪 log writer is writing on files

ACTIVE 🡪 Log writer is already visited

INACTIVE 🡪 log writer is not visited

**5.How to switch the redolog group manually?**

Sql>alter system switch logfile;

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