

How to enable Flash Recovery Area (FRA)?

1. How much Flash Back space is needed?

The larger the flash recovery area is, the more useful it becomes. Ideally, the flash recovery area should be large enough to contain all of the following files:

- Sum of all copies of all datafiles
- Incremental backups, as used by your chosen backup strategy
- Online redo logs
- Archived redo logs not yet backed up to tape
- Control files
- Control file autobackups (which include copies of the control file and SPFILE)

2. FRA Location

DBA will need to come up with a standard FRA location. I am using /u05/flash_recovery_area in my 10g environment and /u05/fast_recovery_area in my 11g environment.

For your environment, fill out the following before proceeding further.

- Size of FRA = _____
- Location of FRA = _____

3. Set up the following init parameters.

So for example, if my standard location for FRA is /u05/flash_recovery_area and if I need 4 GB assigned to FRA, I will execute the following.

FRA Size:

```
SQL> alter system set db_recovery_file_dest_size=4096M scope=both SID='*';
```

FRA Retention Period

Default is 1440 minutes = 1 day. If you want to change it to 2 days, then the formula is $60 \times 24 \times 2 = 2880$ minutes.

```
SQL> alter system set db_flashback_retention_target=2880 scope=both SID='*';
```

FRA Location:

For 10g:

```
SQL> alter system set db_recovery_file_dest='/u05/flash_recovery_area' scope=both SID='*';
```

For 11g:

```
SQL> alter system set db_recovery_file_dest='/u05/fast_recovery_area' scope=both SID='*';
```

4. Configure the RMAN retention policy

```
RMAN> CONFIGURE RETENTION POLICY TO RECOVERY WINDOW OF 7 DAYS;  
or  
RMAN> CONFIGURE RETENTION POLICY TO REDUNDANCY 3;
```

5. Activate this to transmit an extra copy of archived redo logs to Flash Recovery Area

```
Alter system set log_archive_dest_10='location=use_db_recovery_file_dest';
```

6. Bounce DB and enable flashback

```
shutdown immediate;  
startup mount;  
ALTER DATABASE FLASHBACK ON;  
Alter database open;
```

7. Verify if FRA is enabled.

```
Check #5 from http://www.mydbanotes.com/2011/03/flash-recovery-area-queries.html  
(OR)  
SELECT name, current_scn ,flashback_on FROM v$database;
```

8. To disable the flash recovery area:

```
ALTER SYSTEM SET DB_RECOVERY_FILE_DEST='' SCOPE=BOTH SID="*";
```

9. All other FRA related Queries, see

[Queries on Flash Recovery Area --Moid](#)