**4 Parameter-Files**

* Parameter file default location is **$ORACLE\_HOME/dbs.**
* Parameters are two types.
* **STATIC PARAMETER**
* **DYNAMIC PARAMETER**

**Parameter-files are two types.**

* **PFILE**
* **SPFILE**

**PFILE:**

* It is a text file.
* We can edit using **vi** editor.
* Parameter change in pfile required downtime of database irrespective of **STATIC** or **DYNAMIC** parameter.

**SPFILE:**

* It is a binary file.
* We should edit using **ALTER SYSTEM SET** from sql.
* **STATIC** parameter change in spfile requires database bounce.
* **DYNAMIC** parameter change in spfile not required database bounce.

**To check which file database is using:**

* **Show parameter spfile;**
* **Create spfile from pfile;**
* **Create pfile from spfile;**

**To check the parameter is STATIC or DYNAMIC:**

* DESC V$PARAMETER
* SELECT ISINSTANCE\_MODIFIABLE FROM V$PARAMETER WHERE NAME='db\_recovery\_file\_dest';
* If the result is TRUE it is **DYNAMIC** parameter.
* If the result is FALSE it is **STATIC** parameter.

**To change parameters in spfile:**

**STATIC:**

* Alter system set db\_recovery\_file\_dest=’/DATA/oradata/FRA’ SCOPE=spfile;
* Once the parameter is update in spfile bounce the database to apply in memory.

**DYNAMIC**:

* Alter system set log\_archive\_dest=’/DATA/ORADATA/ARCHIVELOG’ SCOPE=BOTH;
* Once the parameter is updated in spfile it will apply the changes in both memory and spfile.

**SCOPE=BOTH**:

* It will update changes in both **MEMORY + SPFILE**. It can be used for only **DYNAMIC** parameters.

**SCOPE=SPFILE:**

* It will update changes only in **SPFILE** and required database bounce to apply in memory also.

**SCOPE=MEMORY:**

* It will update changes only in **MEMORY.** Once the database is bounced changes will be gone.
* After database bounce it will work with old parameters.