**Resizing and Adding data files in UNDO tablespace**

**Overview**

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| **Trigger:** | Adding data files, resizing the UNDO tablespace in database | | |
| **Special Permissions:** | SYS Admin | **Responsible Team:** | DB Team |
| **Config. Item:** | Database | **KB Reference:** | KB# |

**Instructions**

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| **Step #** | **Information** |
| 1. | * Invoke SQL\*Plus and connect to database with SYSDBA privileges. |
| 2. | * To check the undo tablespace usage details execute the below query   select f.tablespace\_name "Tablespace",  (d.totalspace - f.freespace) "Used MB",  f.freespace "Free MB",  d.totalspace "Total MB",  round(100 \* (f.freespace / d.totalspace)) "Pct. Free"  from(select tablespace\_name, round(sum(bytes)/1024/1024) TotalSpace  from dba\_data\_files group by tablespace\_name) d,  (select tablespace\_name, round(sum(bytes)/1024/1024) FreeSpace  from dba\_free\_space group by tablespace\_name) f  where d.tablespace\_name = f.tablespace\_name; |
| 3. | * To add undo data file to existing UNDO tablespace use below query   ALTER TABLESPACE UNDOTBS1 ADD DATAFILE '/oradata/orcl/undotbs01.dbf' SIZE 2G; |
| 4. | * To resize the UNDO tablespace use below query   ALTER DATABASE DATAFILE '/oradata/orcl/undotbs01.dbf' RESIZE 4G; |
| 5. | * After resizing, verify the tablespace details by executing the select query from step 2. |

**Document Control**

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| Revision History | | | | |
| Version | **Date** | **Author** | **Title & Company** | **Description** |
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| Document Approval | | | | |
| Version | **Name** | **Title & Company** | **Date** | **Signature** |
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