**Oracle Database Gateway Installation and configuration**

**Overview**

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| **Trigger:** | Oracle DB Gateway Installation using response file and configuring the gateway for SQL server | | |
| **Special Permissions:** | SYS Admin | **Responsible Team:** | DB Team |
| **Config. Item:** | Database | **KB Reference:** | KB# |

**Instructions**

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| **Step #** | **Information** |
| 1. | * Download the required version of Oracle Gateway from Oracle site. |
| 2. | * Before proceeding with the installation of Gateway, verify the below prerequisites in the server * Temporary Disk Space must be greater than 415 MB * Swap space must be greater than 150 MB. * Check the Ping from Oracle server to SQL server to check the connection |
| 3. | * If you are installing the gateway in the server where already a Database is running, then create a separate ORACLE\_HOME directory for gateway.   E.g : ‘/orahome/oracle/product/gateway\_12’ |
| 4. | * Unzip the downloaded Oracle Gateway software pack at any location, the folder structure inside the unzipped folder (gateways) looks like below: |
| 5. | * Edit the required parameters and configure the SQL Server configuration details in the response file which is located at ‘gateways/response/tg.rsp’, refer the below attached response file. |
| 6. | * Run the runInstaller from ‘/gateways’ to install the Oracle gateway components using response file like below.   $./runInstaller -ignoreSysPrereqs -ignorePrereq -silent -responseFile /backup/gateway\_121/gateways/response/tg.rsp |
| 7. | * Once the installation is completed, verify the log files for any errors. |
| 8. | * Choose the SID for gateway by default it is dg4msql, we can change the SID name by changing the init file name. * By default, the following init file will be created after the gateway installation ‘/orahome/oracle/product/gateway\_12/dg4msql/admin/initdg4msql.ora’ * The default initialization parameter file already has an entry for this parameter HS\_FDS\_CONNECT\_INFO, just verify those details. |
| 9. | * Configure Oracle Net listener for gateway with the below entries at ‘/orahome/oracle/product/gateway\_12/dg4msql/network/admin’   LISTENER=                 (ADDRESS=                     (PROTOCOL=TCP)                     (HOST=hostname)                     (PORT=1530))  SID\_LIST\_LISTENER=        (SID\_LIST=             (SID\_DESC=                   (SID\_NAME=dg4msql)                   (ORACLE\_HOME= /orahome/oracle/product/gateway\_12)                   (PROGRAM=dg4msql)             )        )   * Stop and Start the Oracle Net Listener of gateway after addition of above entries. |
| 10. | * Configure the Oracle Database for Gateway access, to configure you must add the connect descriptors like below in tnsnames.ora file at ‘$ORACLE\_HOME/network/admin’   Note: $ORACLE\_HOME is the directory where the Oracle database is installed.  dg4msql=          (DESCRIPTION=                  (ADDRESS=(PROTOCOL=tcp)(HOST=hostname)(PORT=1530))              (CONNECT\_DATA=                  (SID=dg4msql)              )              (HS=OK)          ) |
| 11. | * Create Database links through SQL Developer or SQLPLUS using connect descriptor name as service name in DB link to access the data from SQL server.   E.g : CREATE DATABASE LINK "MSSQL\_DBLINK" CONNECT TO "SQL\_UserName" IDENTIFIED BY "SQL\_Password" USING 'dg4msql'; |
| 12. | * Verify the data access using DB link by accessing any object of SQL server   E.g : select count(\*) from object@dg4msql; |

**Document Control**

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| Revision History | | | | |
| Version | **Date** | **Author** | **Title & Company** | **Description** |
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