

Loading Initial Document(s) into Oracle Database 23ai

Pre-Requisites

- Oracle Database 23ai Service Up and Running
- Oracle Database 23ai Node IP Address
- Oracle Database 23ai Node SSH Private Key
- Oracle Database 23ai Pluggable Database Name
- Sample Document(s)

Copy Document to Database Server

1. Open a Terminal and copy our zip/document file to our Database Server into the tmp directory: `scp -i <private-key>.key <document(s)> opc@<host-ip-address>:/tmp`
2. SSH into our 23ai Database Server: `ssh -i <private-key>.key opc@<host-ip-address>`
3. Switch to root user: `sudo su`
4. Switch to oracle user: `su - oracle`
5. Create a new Directory: `mkdir demo-files`
6. Exit oracle user (back to root user): `exit`
7. Copy our Document(s) from our **tmp** folder to our **demo-files** directory: `cp /tmp/<document(s)> /home/oracle/demo-files`
8. Navigate to our demo directory: `cd /home/oracle/demo-files`
9. If required, unzip your documents: `unzip <document(s)>.zip`

Create a New Database User

10. Switch back to the oracle user: `su - oracle`
11. Login to the database as sysdba: `sqlplus / as sysdba`
12. Switch to the Pluggable Database: `ALTER SESSION SET CONTAINER=<pdb-name>`
13. Create a new user: `create user <user> identified by <password>;`
14. Grant tablespace quota to user: `alter user <user> quota unlimited on users;`
15. Grant the following to the user:
 - a. `grant DB_DEVELOPER_ROLE to <user>;`
 - b. `grant create procedure to <user>;`
 - c. `grant execute on sys.dmutl_lib to <user>;`
 - d. `grant create mining model to <user>;`

Configure Database to Read Document from Server

16. Create Directory referencing our **demo-files** directory: `create or replace directory DEMO_DIR as '/home/oracle/demo-files';`
17. Grant Read and Write to Directory: `grant read, write on directory DEMO_DIR to <user>;`
18. Commit changes: `commit;`

Create Table and Load in PDF Document

19. Create a new table: `create table <user>.demo_table (id number, file_name varchar2(128), data blob, mime_type varchar2(100));`
20. Insert our Document(s) into the table: `insert into <user>.demo_table values(1, '<document_name>', to_blob(bfilename('DEMO_DIR', '<document_name>')), 'application/pdf');`
21. Commit Changes: `commit;`
22. Exit SQLPlus: `exit`
23. Exit oracle user: `exit`
24. Exit root user: `exit`
25. Exit SSH session: `exit`

