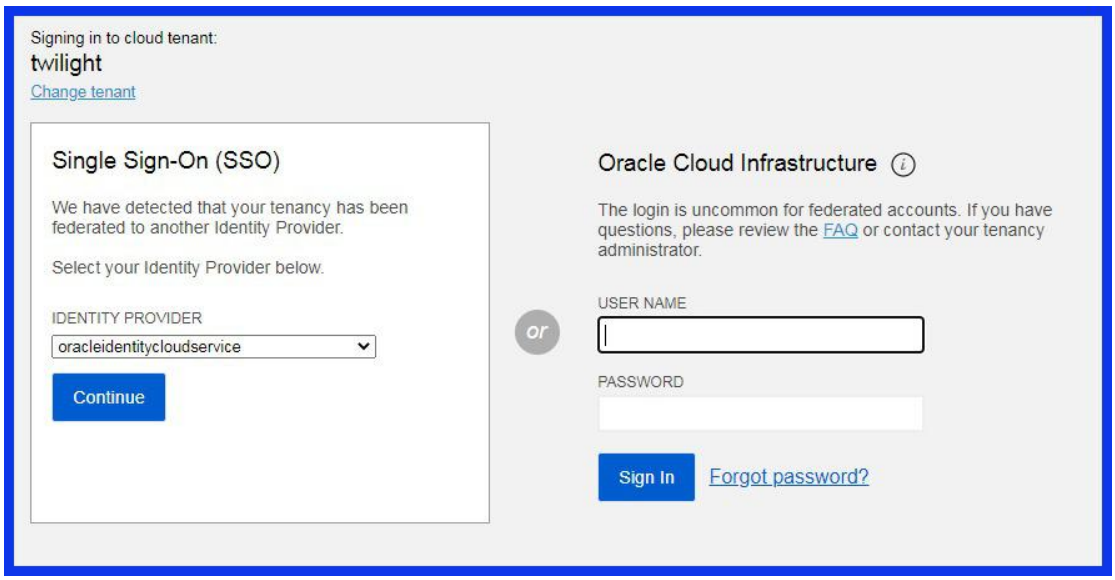
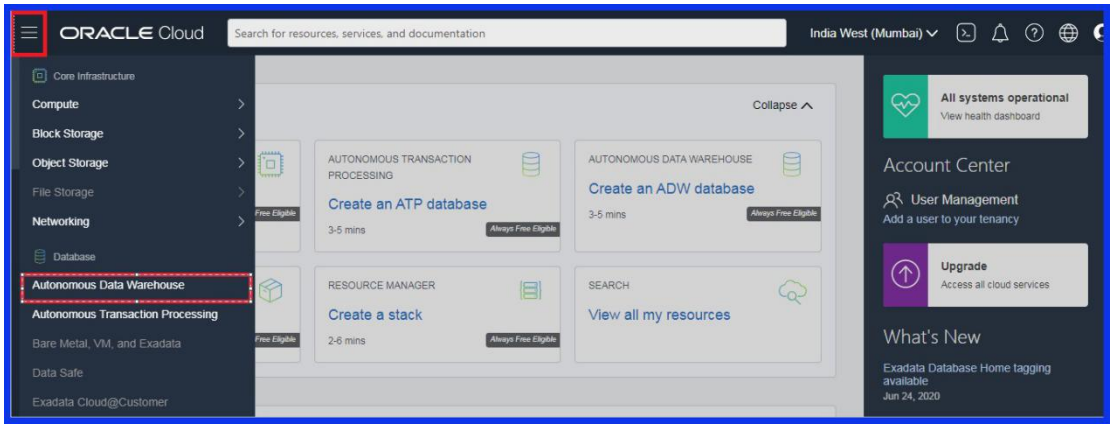
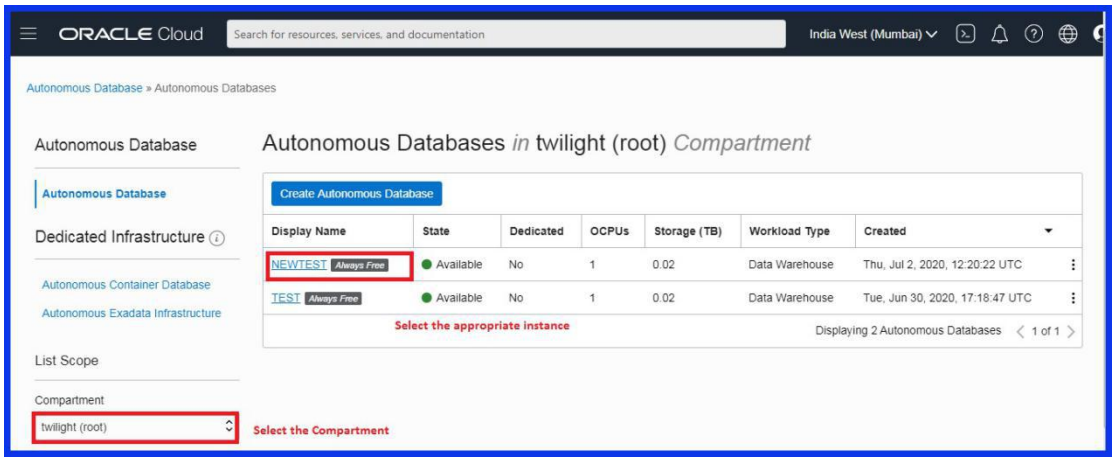
SCHEMA EXPORT IMPORT
AUTONOMOUS DATA WAREHOUSE
USING SQL DEVELOPER

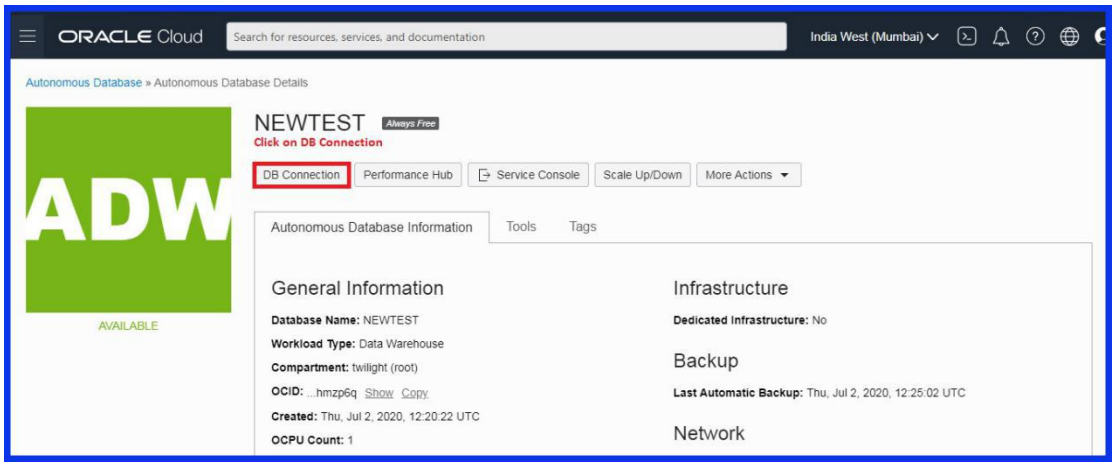
1. Login to oracle cloud

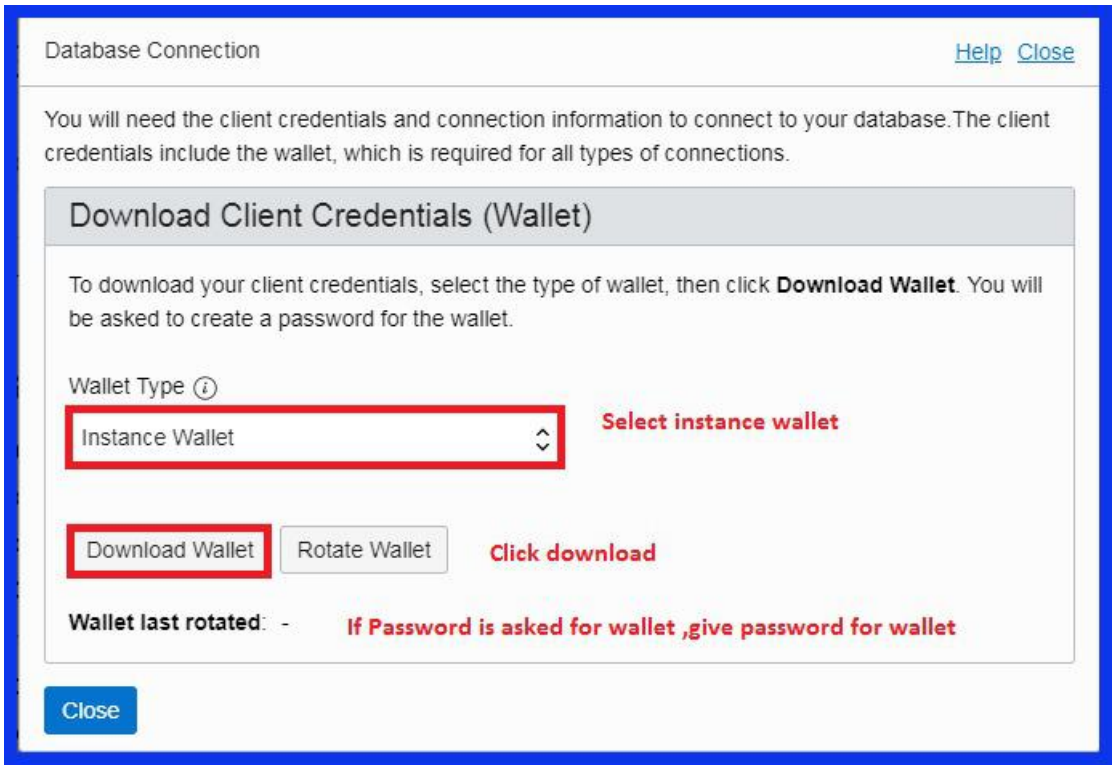


2. Download the instance wallet..



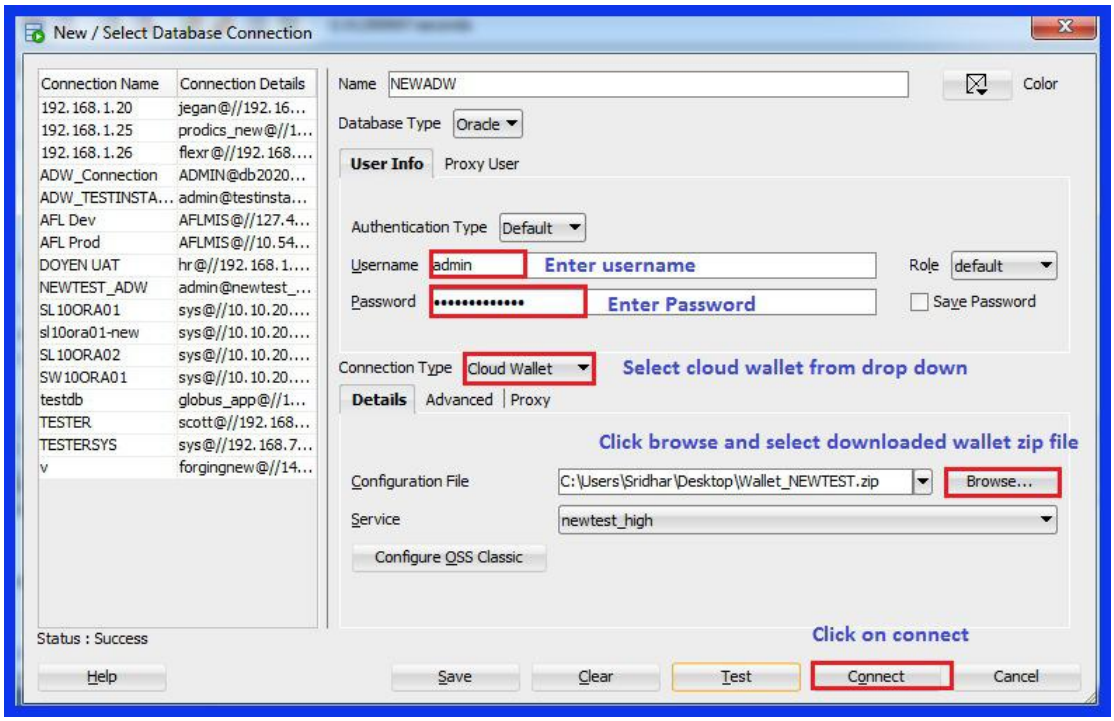



ORACLE Cloud
Search for resources, services, and documentation
India West (Mumbai)
Autonomous Database » Autonomous Database Details
ADW
AVAILABLE
NEWTEST
Always Free
Click on DB Connection
DB Connection
Performance Hub
Service Console
Scale Up/Down
More Actions
Autonomous Database Information
Tools
Tags
General Information
Database Name: NEWTEST
Workload Type: Data Warehouse
Compartment: twilight (root)
OCID: ...hmzp6q Show Copy
Created: Thu, Jul 2, 2020, 12:20:22 UTC
OCPU Count: 1
Infrastructure
Dedicated Infrastructure: No
Backup
Last Automatic Backup: Thu, Jul 2, 2020, 12:25:02 UTC
Network


Database Connection
Help
Close
You will need the client credentials and connection information to connect to your database.The client credentials include the wallet, which is required for all types of connections.
Download Client Credentials (Wallet)
To download your client credentials, select the type of wallet, then click Download Wallet. You will be asked to create a password for the wallet.
Wallet Type
Instance Wallet
Select instance wallet
Download Wallet
Rotate Wallet
Click download
Wallet last rotated: -
If Password is asked for wallet ,give password for wallet
Close

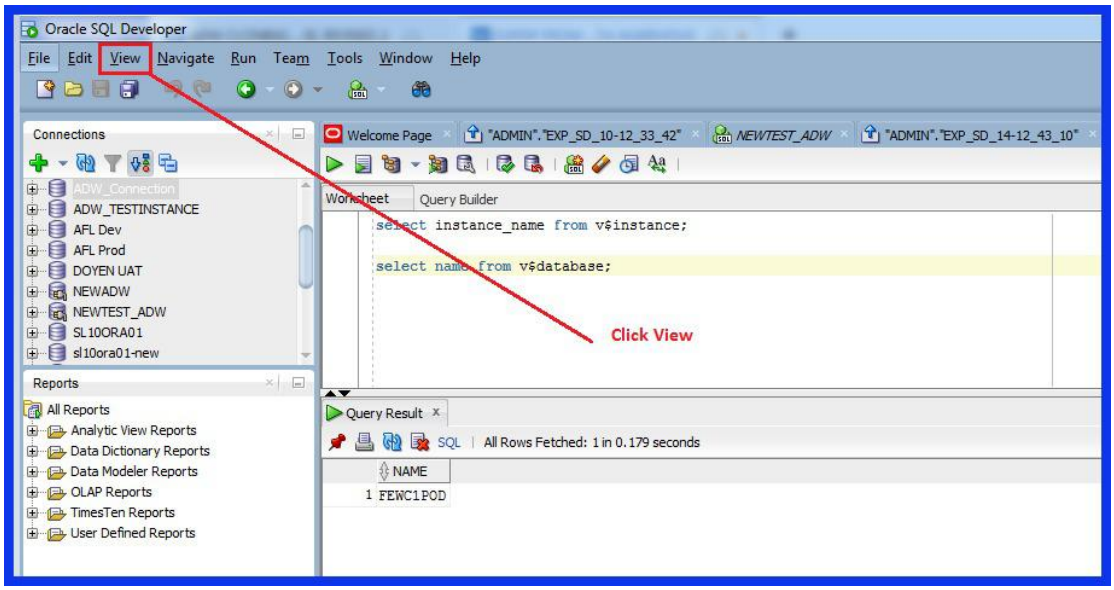
3. Download and install Latest version of SQLDEVELOPER

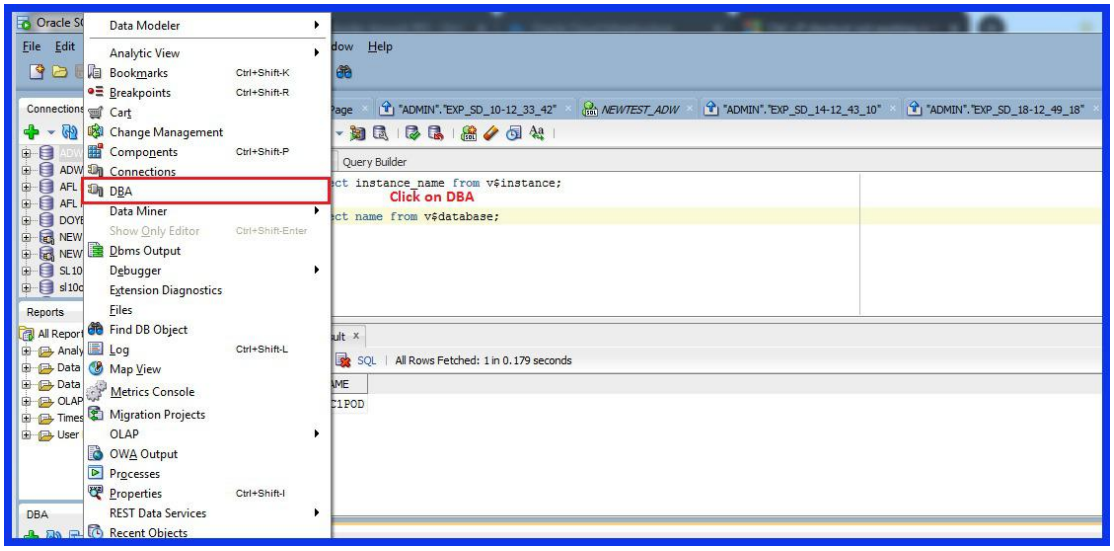
Connect to the instance using wallet.

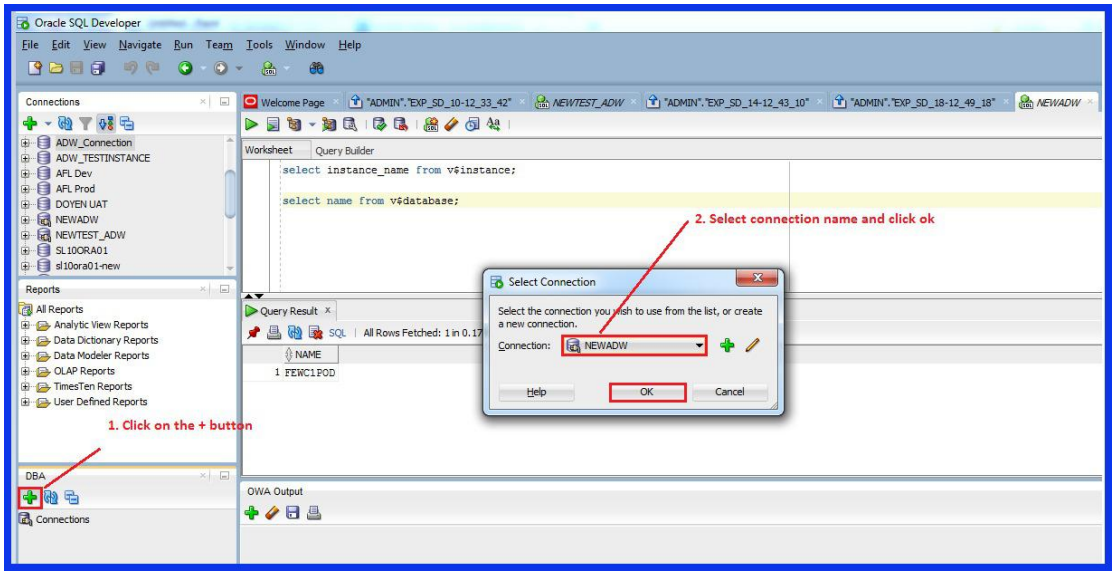


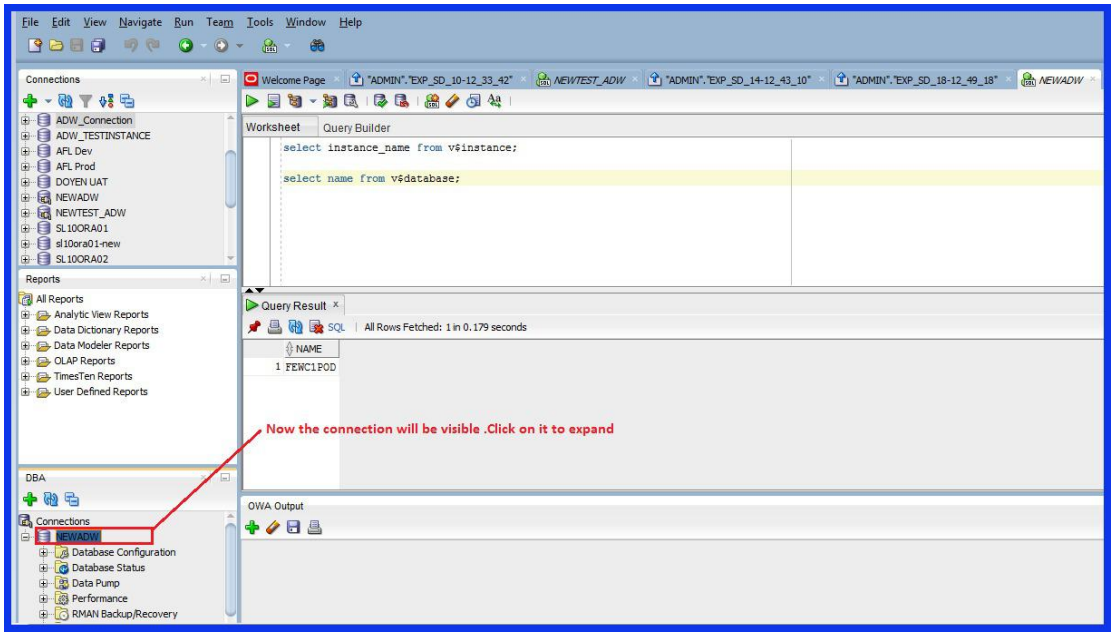
DATAPUMP EXPORT

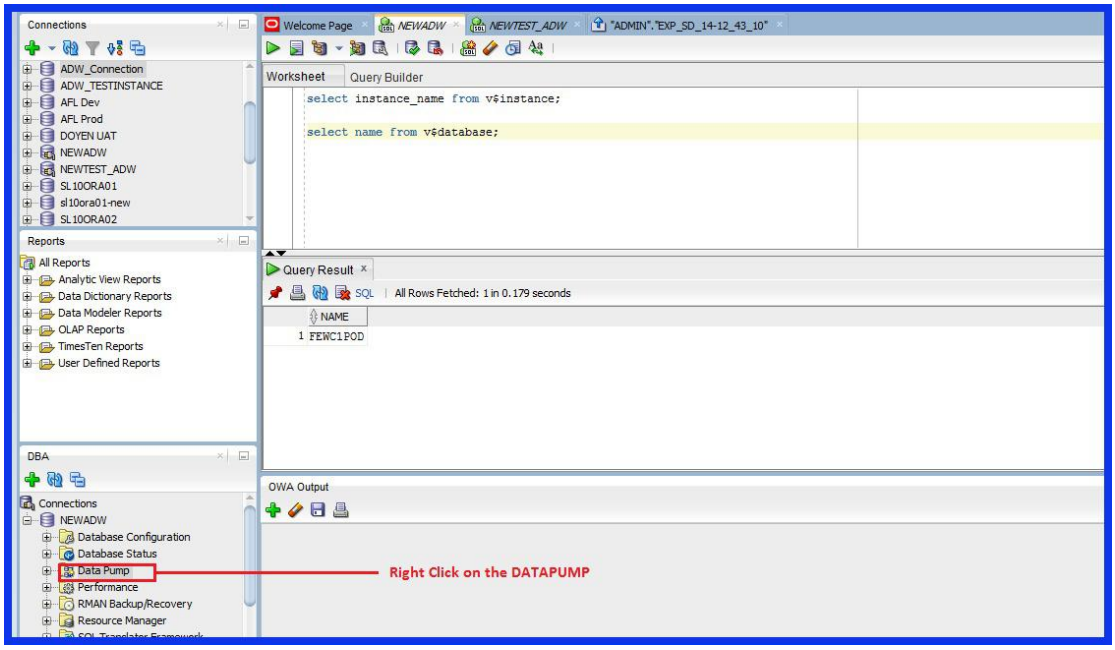
To Export the schema Follow below steps. In this case we are going to export the schema USERTEST

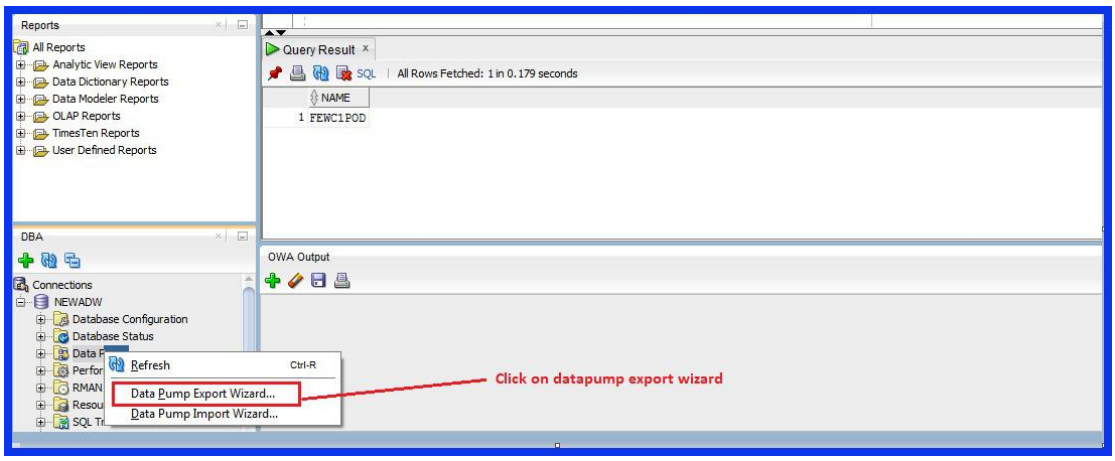


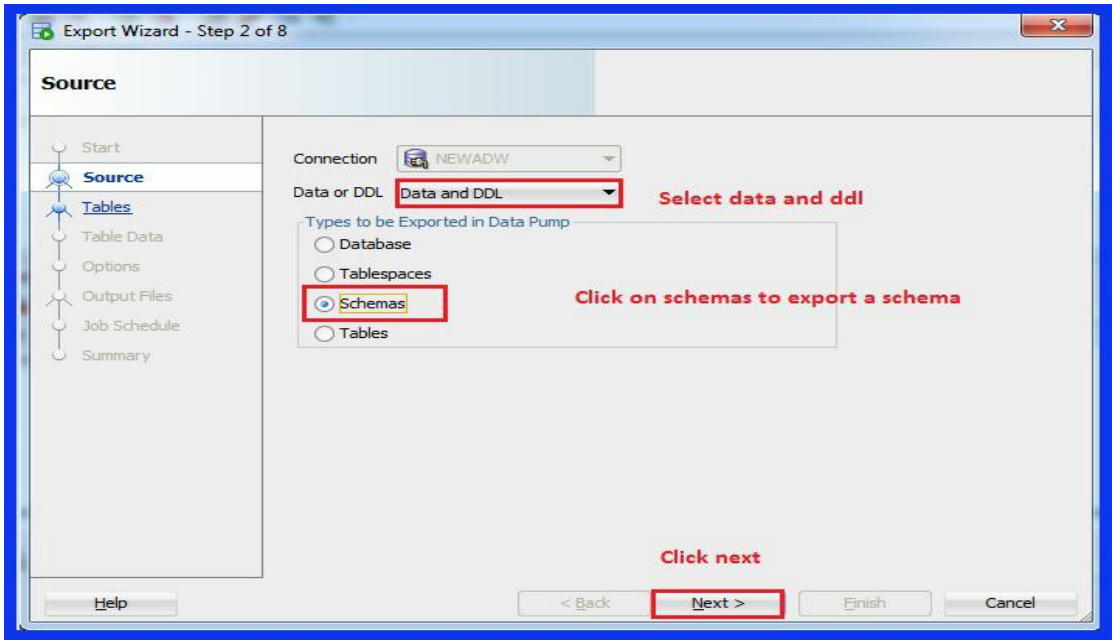

Data Modeler
Analytic View
Bookmarks Ctrl+Shift-K
Breakpoints Ctrl+Shift-R
Cart
Change Management
Components Ctrl+Shift-P
Connections
DBA
Data Miner
Show Only Editor Ctrl+Shift-Enter
Dbms Output
Debugger
Extension Diagnostics
Files
Find DB Object
Log Ctrl+Shift-L
Map View
Metrics Console
Migration Projects
OLAP
OWA Output
Processes
Properties Ctrl+Shift-I
REST Data Services
Recent Objects
Click on DBA
Query Builder
SQL | All Rows Fetched: 1 in 0.179 seconds

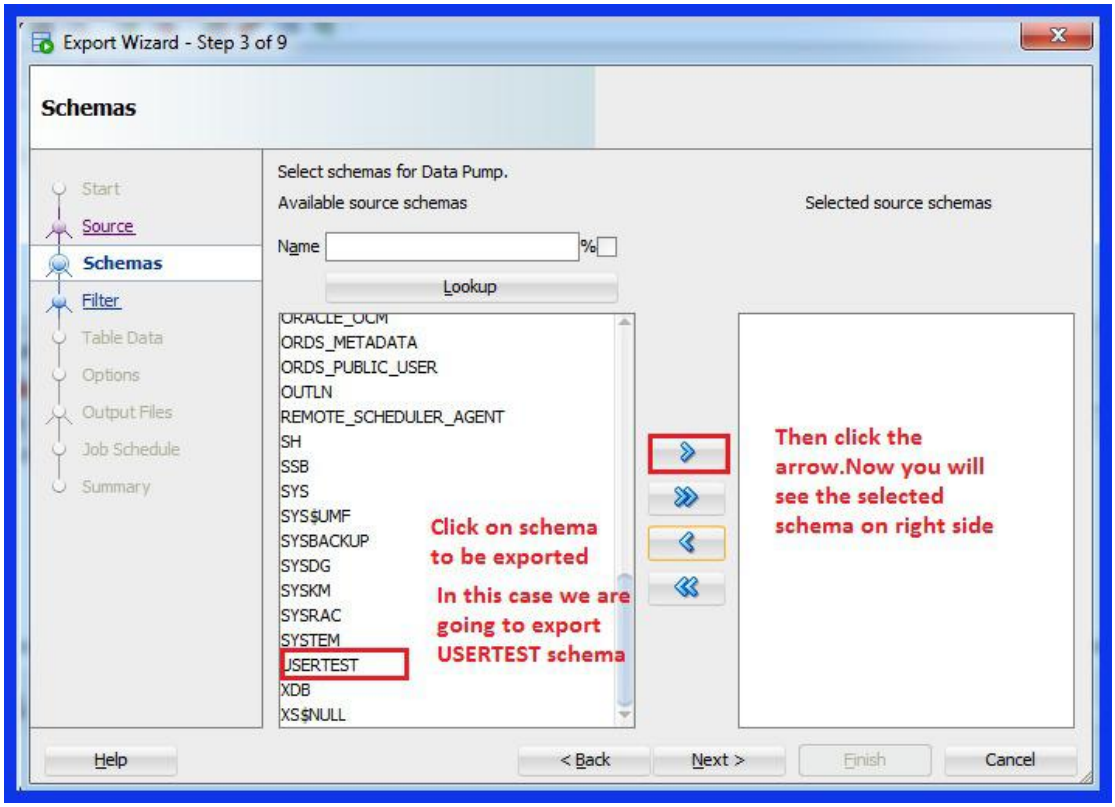

Oracle SQL Developer
Connections
ADW_Connection
ADW_TESTINSTANCE
AFL Dev
AFL Prod
DOYEN UAT
NEWADW
NEWTEST_ADW
SL10ORA01
sl10ora01-new
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
DBA
Connections
1. Click on the + button
Worksheet
Query Builder
select instance_name from v$instance;
select name from v$database;
2. Select connection name and click ok
Select Connection
Select the connection you wish to use from the list, or create a new connection.
Connection: NEWADW
Help
OK
Cancel
Query Result
SQL | All Rows Fetched: 1 in 0.17
NAME
1 FEWC1POD
OWA Output

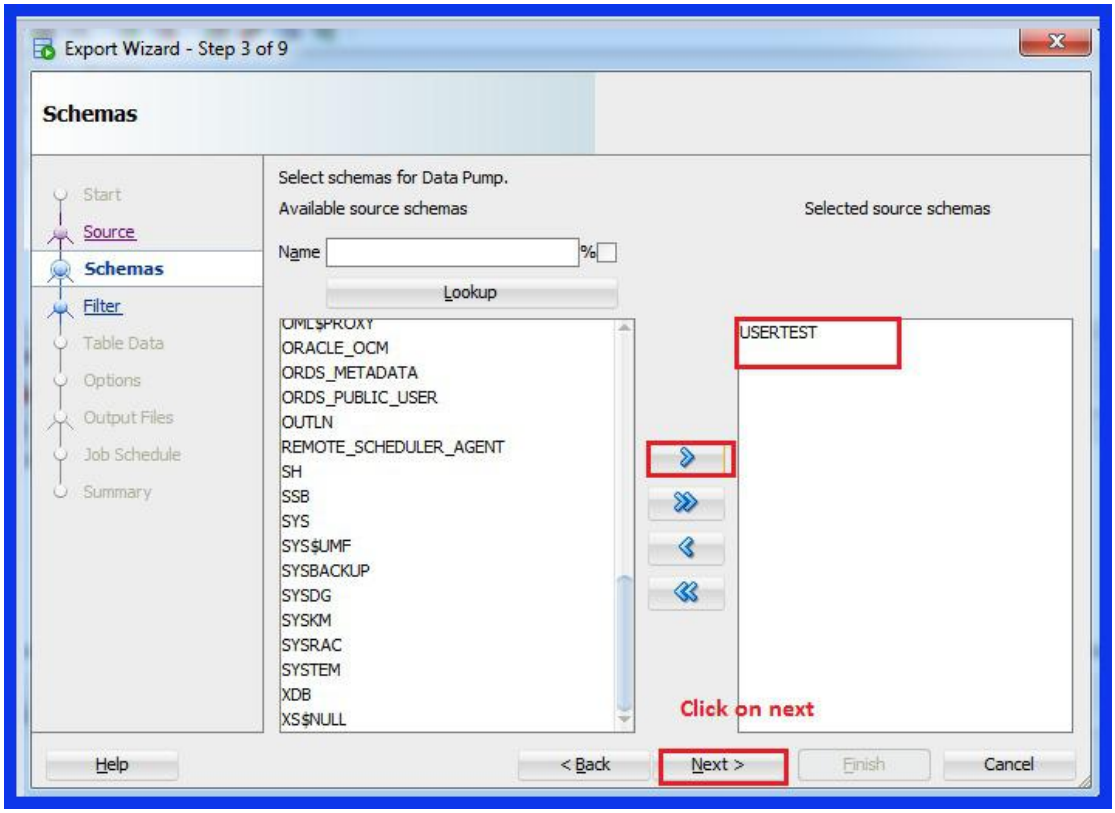

Connections
ADW_Connection
ADW_TESTINSTANCE
AFL Dev
AFL Prod
DOYEN UAT
NEWADW
NEWTEST_ADW
SL10ORA01
sl10ora01-new
SL10ORA02
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
DBA
Connections
NEWADW
Database Configuration
Database Status
Data Pump
Performance
RMAN Backup/Recovery
Now the connection will be visible .Click on it to expand
Worksheet
Query Builder
select instance_name from v$instance;
select name from v$database;
Query Result
SQL | All Rows Fetched: 1 in 0.179 seconds
NAME
1 FEWC1POD
OWA Output

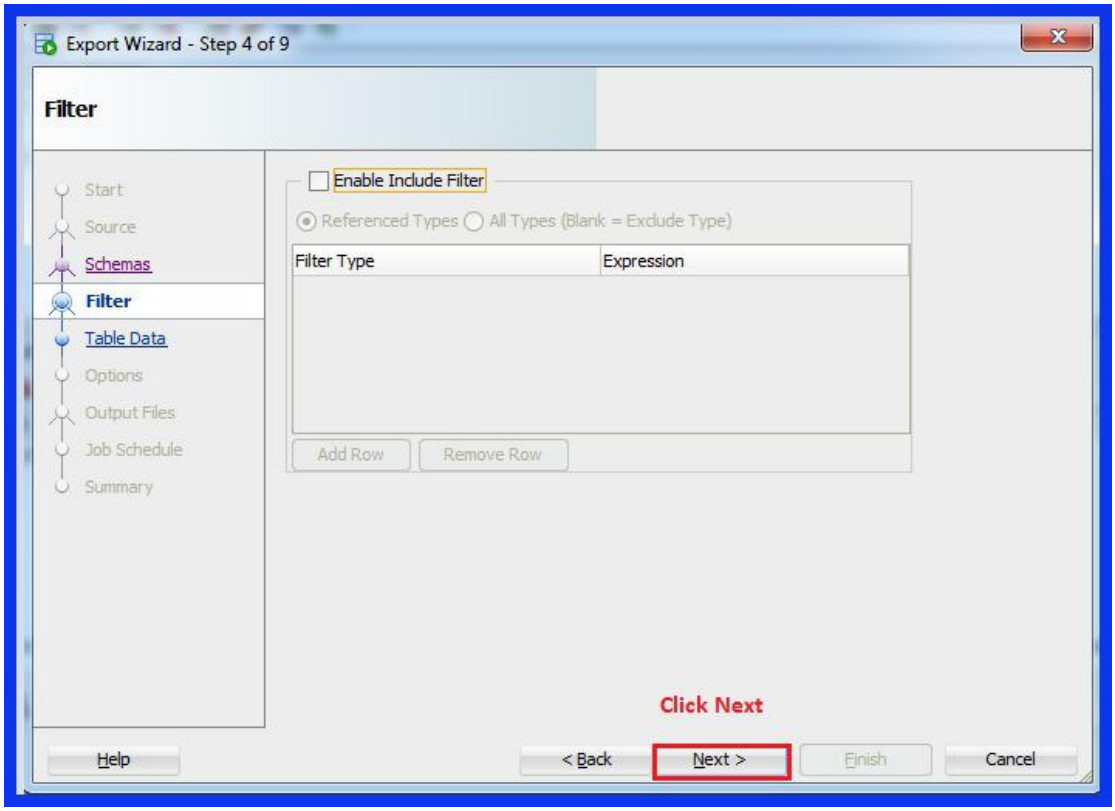

Connections
ADW_Connection
ADW_TESTINSTANCE
AFL Dev
AFL Prod
DOYEN UAT
NEWADW
NEWTEST_ADW
SL10ORA01
sl10ora01-new
SL10ORA02
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
DBA
Connections
NEWADW
Database Configuration
Database Status
Data Pump
Performance
RMAN Backup/Recovery
Resource Manager
Welcome Page
NEWADW
NEWTEST_ADW
"ADMIN"."EXP_SD_14-12_43_10"
Worksheet
Query Builder
select instance_name from v$instance;
select name from v$database;
Query Result
All Rows Fetched: 1 in 0.179 seconds
NAME
1 FEWC1POD
OWA Output
Right Click on the DATAPUMP

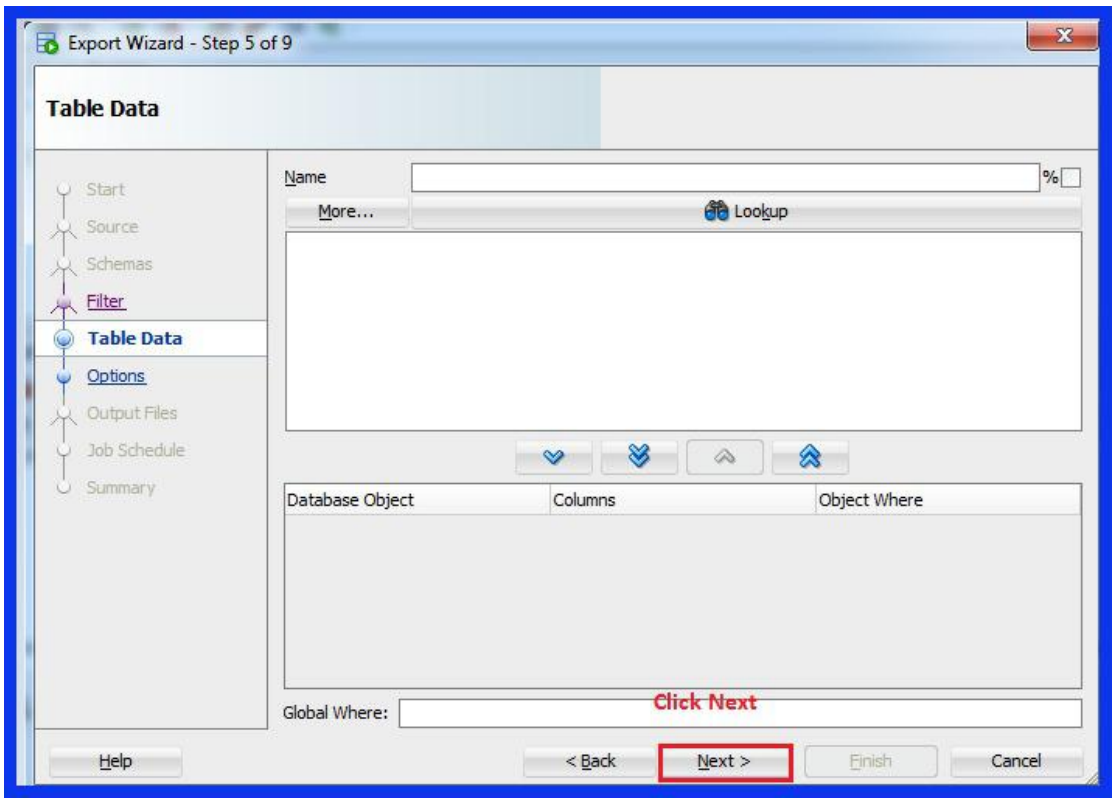

Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
DBA
Connections
NEWADW
Database Configuration
Database Status
Refresh
Ctrl-R
Data Pump Export Wizard...
Data Pump Import Wizard...
Query Result
All Rows Fetched: 1 in 0.179 seconds
NAME
1 FEWC1POD
OWA Output
Click on datapump export wizard

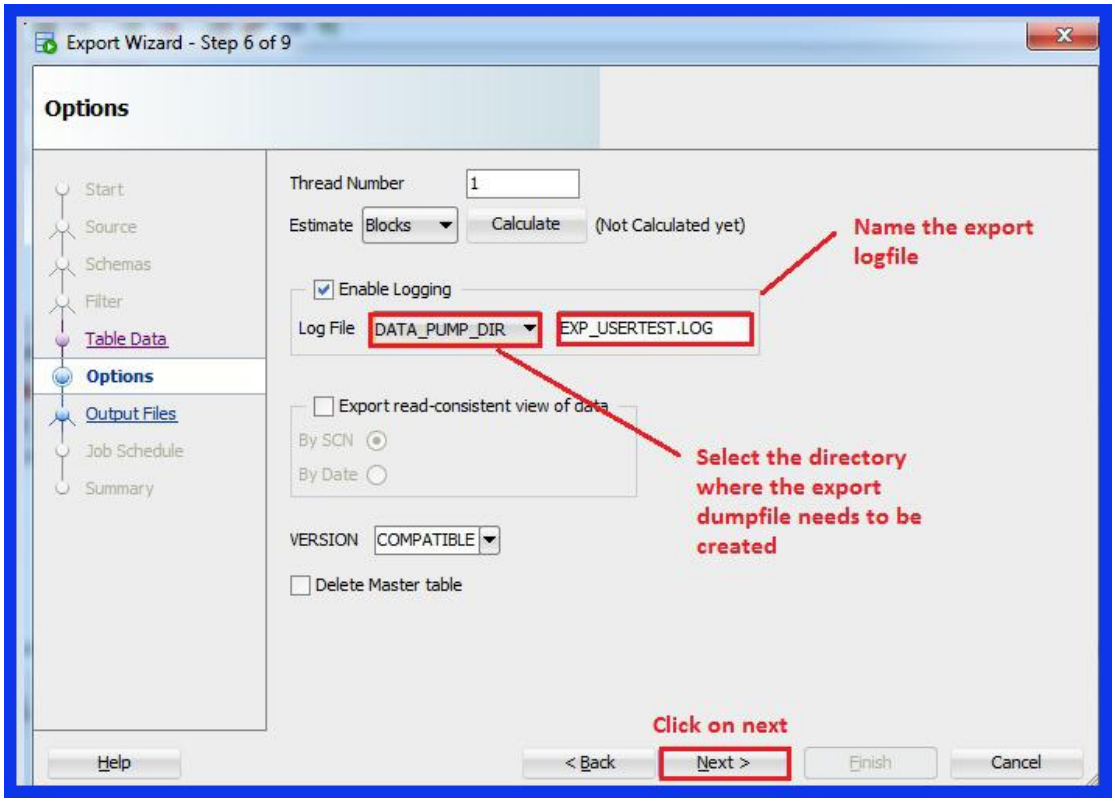

Export Wizard - Step 2 of 8
Source
Start
Source
Tables
Table Data
Options
Output Files
Job Schedule
Summary
Connection
NEWADW
Data or DDL
Data and DDL
Select data and ddl
Types to be Exported in Data Pump
Database
Tablespaces
Schemas
Tables
Click on schemas to export a schema
Click next
Help
< Back
Next >
Finish
Cancel

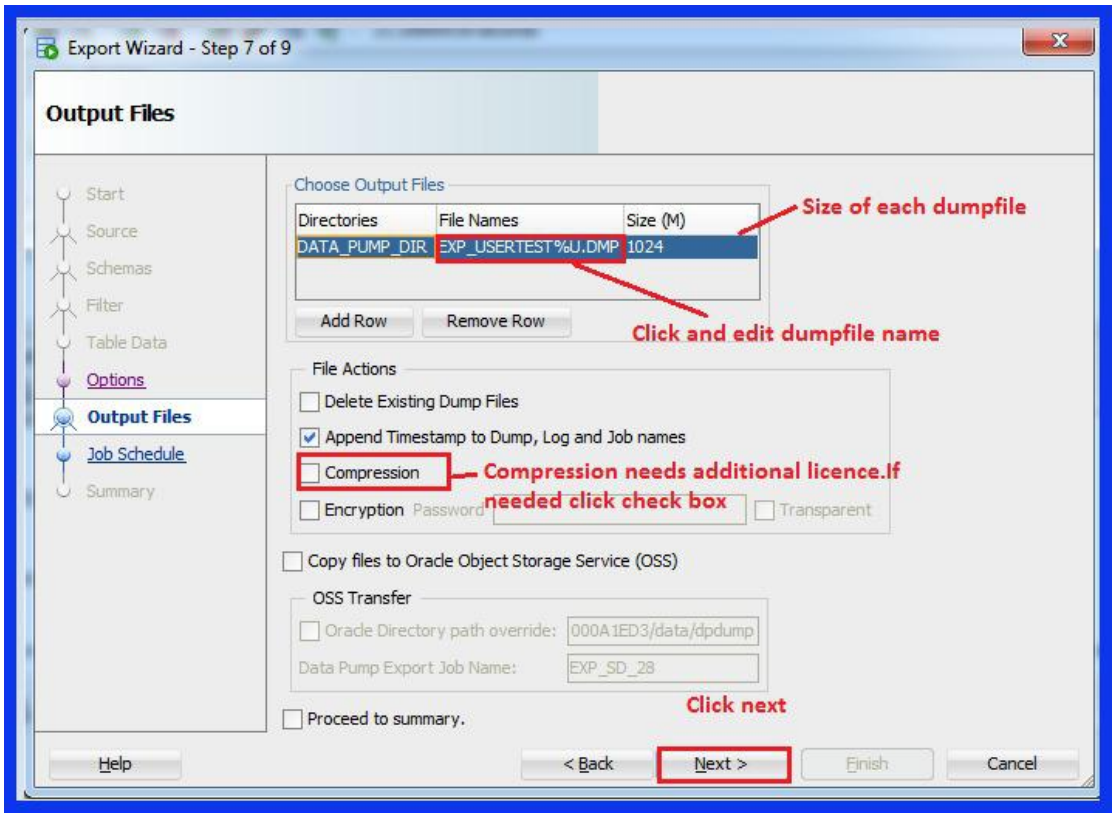

Export Wizard - Step 3 of 9
Schemas
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Select schemas for Data Pump.
Available source schemas
Selected source schemas
Name
%
Lookup
ORACLE_OCM
ORDS_METADATA
ORDS_PUBLIC_USER
OUTLN
REMOTE_SCHEDULER_AGENT
SH
SSB
SYS
SYS$UMF
SYSBACKUP
SYSDG
SYSKM
SYSRAC
SYSTEM
USERTEST
XDB
XS$NULL
Click on schema to be exported
In this case we are going to export USERTEST schema
Then click the arrow.Now you will see the selected schema on right side
Help
< Back
Next >
Finish
Cancel

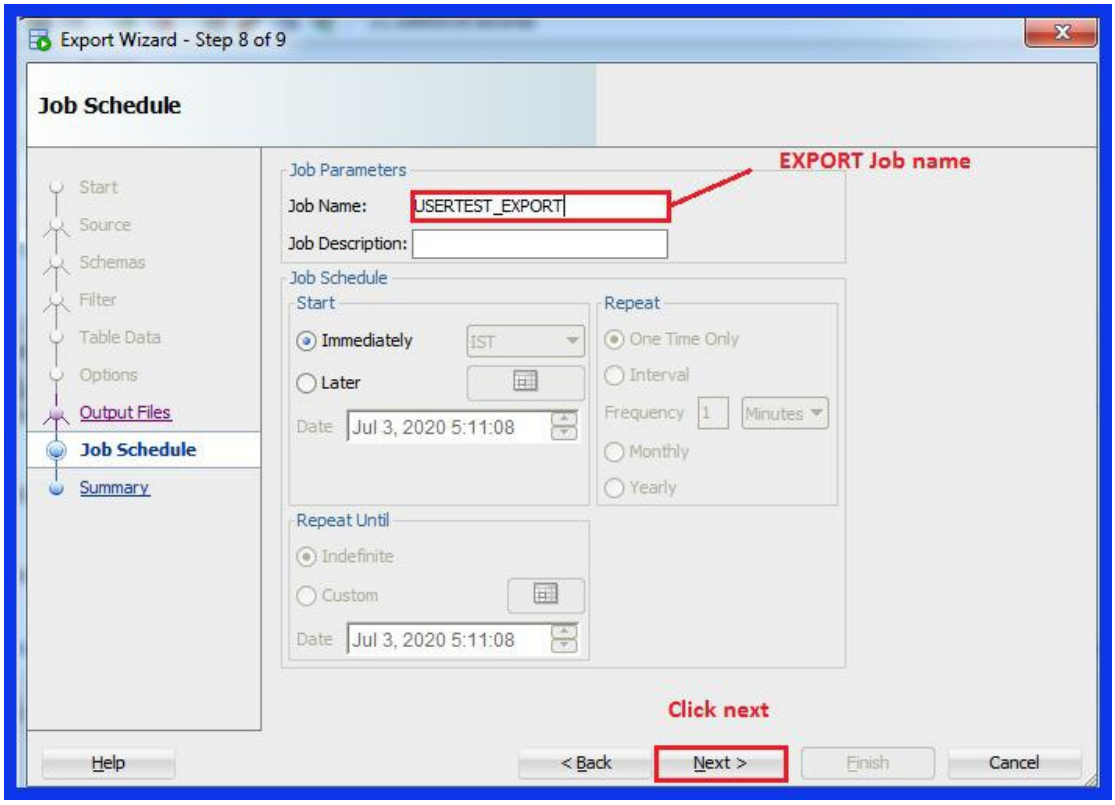

Export Wizard - Step 3 of 9
Schemas
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Select schemas for Data Pump.
Available source schemas
Selected source schemas
Name
%
Lookup
ORACLE_OCM
ORDS_METADATA
ORDS_PUBLIC_USER
OUTLN
REMOTE_SCHEDULER_AGENT
SH
SSB
SYS
SYS$UMF
SYSBACKUP
SYSDG
SYSKM
SYSRAC
SYSTEM
USERTEST
XDB
XS$NULL
USERTEST
Click on next
Help
< Back
Next >
Finish
Cancel

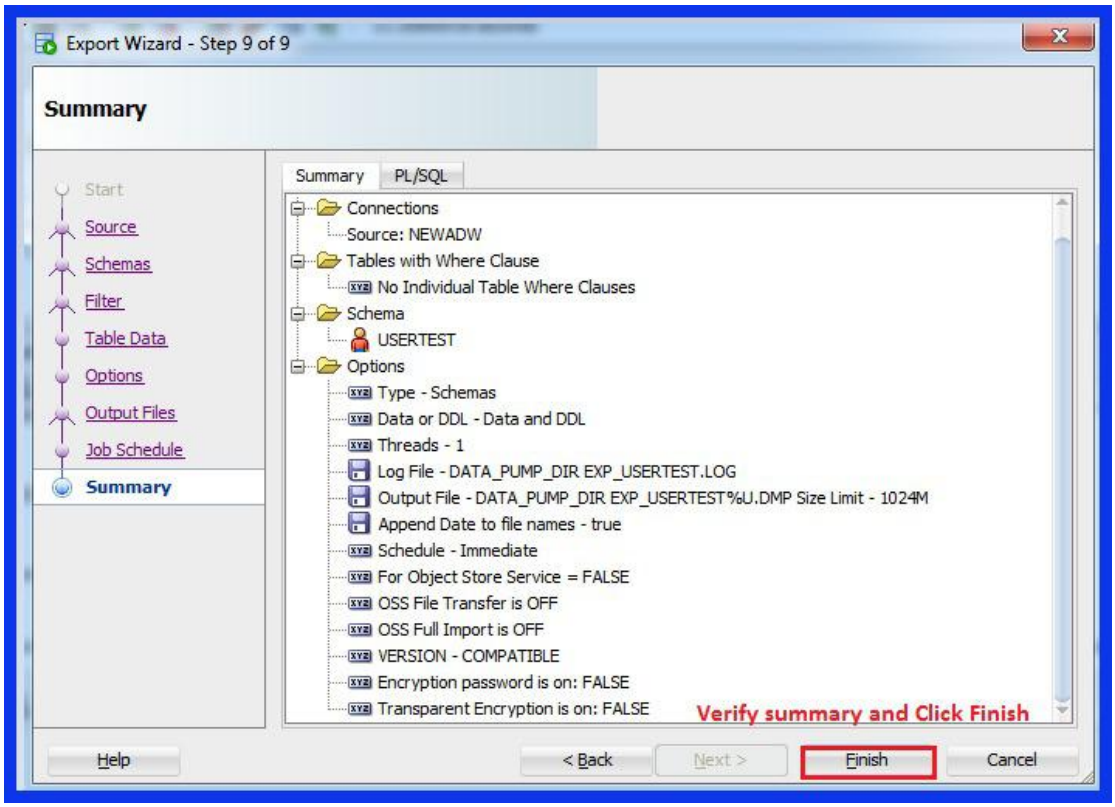

Export Wizard - Step 4 of 9
Filter
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Enable Include Filter
Referenced Types
All Types (Blank = Exclude Type)
Filter Type
Expression
Add Row
Remove Row
Click Next
Help
< Back
Next >
Finish
Cancel


Export Wizard - Step 5 of 9
Table Data
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Name
%
More...
Lookup
Database Object
Columns
Object Where
Global Where:
Click Next
Help
< Back
Next >
Finish
Cancel

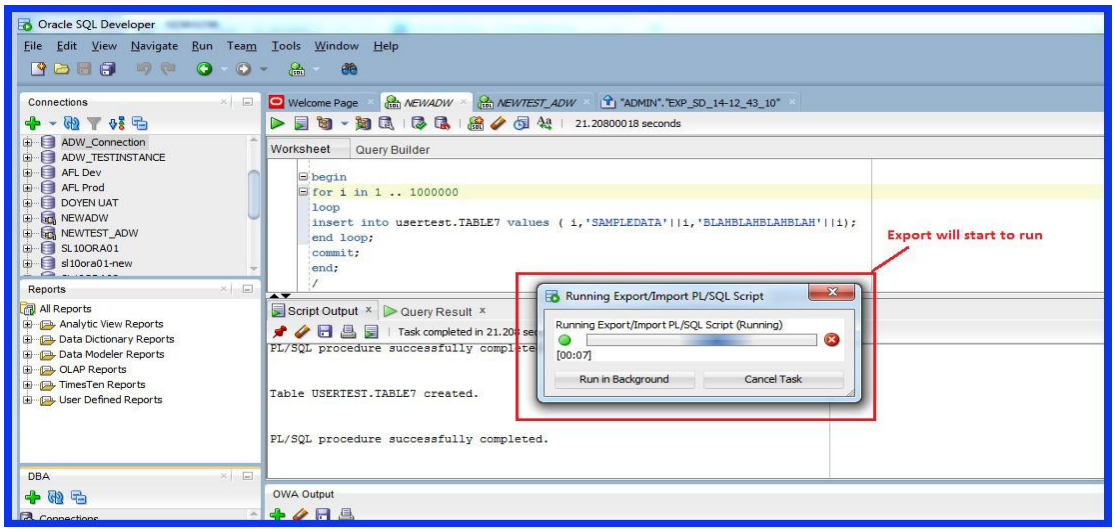

Export Wizard - Step 6 of 9
Options
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Thread Number
1
Estimate
Blocks
Calculate
(Not Calculated yet)
Name the export logfile
Enable Logging
Log File
DATA_PUMP_DIR
EXP_USERTEST.LOG
Export read-consistent view of data
By SCN
By Date
Select the directory where the export dumpfile needs to be created
VERSION
COMPATIBLE
Delete Master table
Click on next
Help
< Back
Next >
Finish
Cancel


Export Wizard - Step 7 of 9
Output Files
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Choose Output Files
Directories
File Names
Size (M)
DATA_PUMP_DIR
EXP_USERTEST%U.DMP
1024
Size of each dumpfile
Add Row
Remove Row
Click and edit dumpfile name
File Actions
Delete Existing Dump Files
Append Timestamp to Dump, Log and Job names
Compression
Compression needs additional licence.If needed click check box
Encryption
Password
Transparent
Copy files to Oracle Object Storage Service (OSS)
OSS Transfer
Oracle Directory path override:
000A1ED3/data/dpdump
Data Pump Export Job Name:
EXP_SD_28
Click next
Proceed to summary.
Help
< Back
Next >
Finish
Cancel

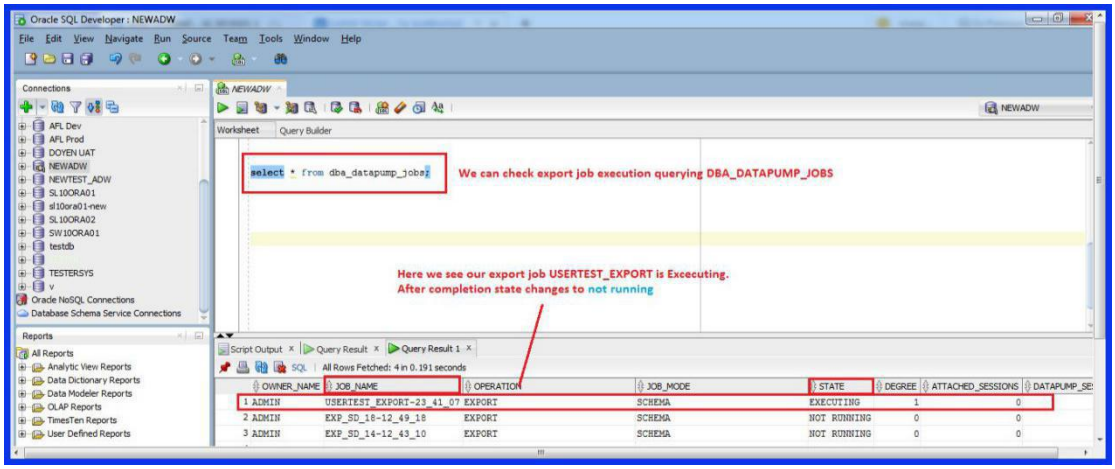

Export Wizard - Step 8 of 9
Job Schedule
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Job Parameters
Job Name: USERTEST_EXPORT
Job Description:
EXPORT Job name
Job Schedule
Start
Immediately
IST
Later
Date Jul 3, 2020 5:11:08
Repeat
One Time Only
Interval
Frequency 1 Minutes
Monthly
Yearly
Repeat Until
Indefinite
Custom
Date Jul 3, 2020 5:11:08
Click next
Help
< Back
Next >
Finish
Cancel


Export Wizard - Step 9 of 9
Summary
Start
Source
Schemas
Filter
Table Data
Options
Output Files
Job Schedule
Summary
Summary
PL/SQL
Connections
Source: NEWADW
Tables with Where Clause
No Individual Table Where Clauses
Schema
USERTEST
Options
Type - Schemas
Data or DDL - Data and DDL
Threads - 1
Log File - DATA_PUMP_DIR EXP_USERTEST.LOG
Output File - DATA_PUMP_DIR EXP_USERTEST%U.DMP Size Limit - 1024M
Append Date to file names - true
Schedule - Immediate
For Object Store Service = FALSE
OSS File Transfer is OFF
OSS Full Import is OFF
VERSION - COMPATIBLE
Encryption password is on: FALSE
Transparent Encryption is on: FALSE
Verify summary and Click Finish
Help
< Back
Next >
Finish
Cancel

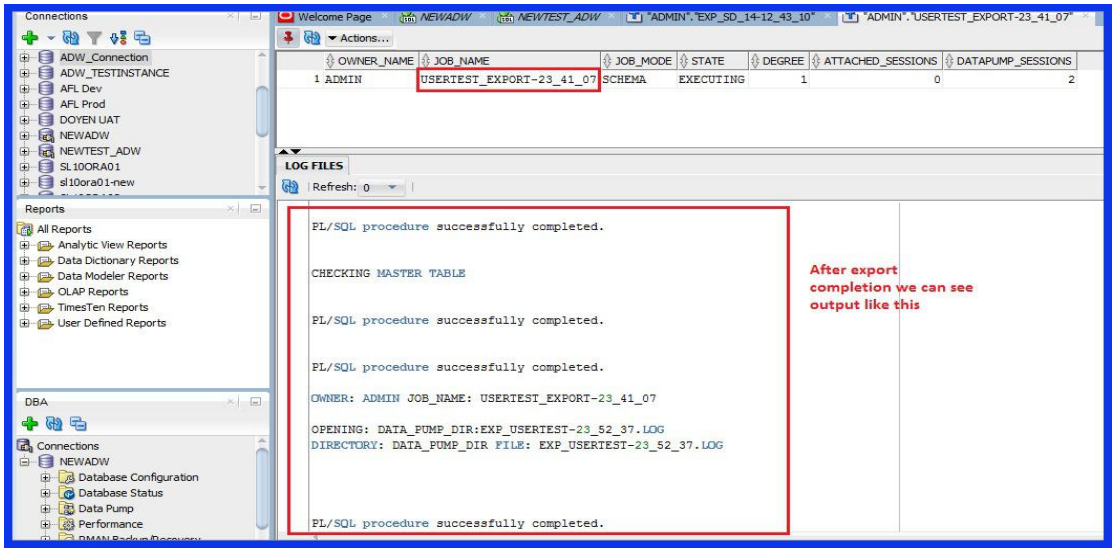
Now the export job is started.



We can query dba_datapump_jobs to find the export status.



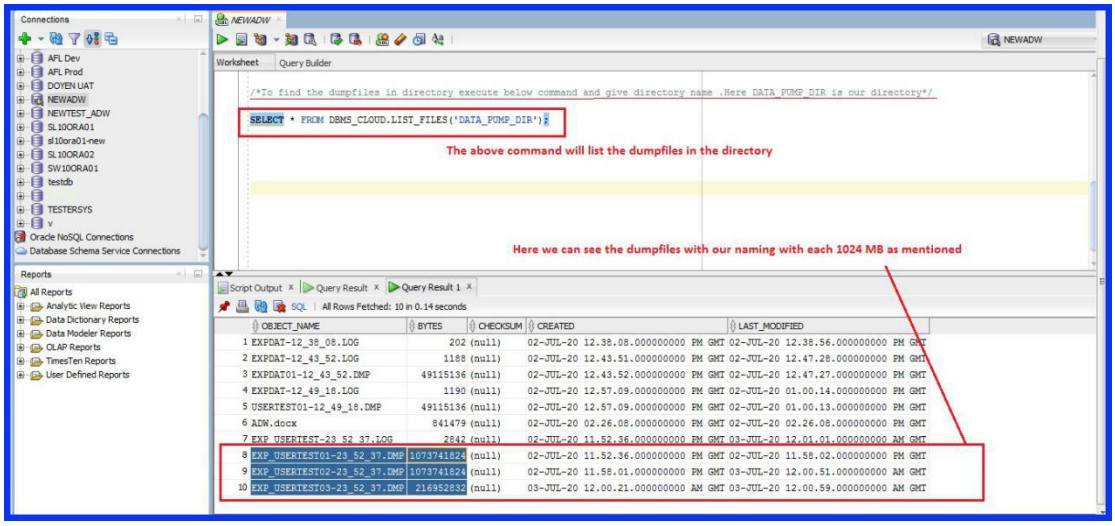
Once job completed we can see output like this



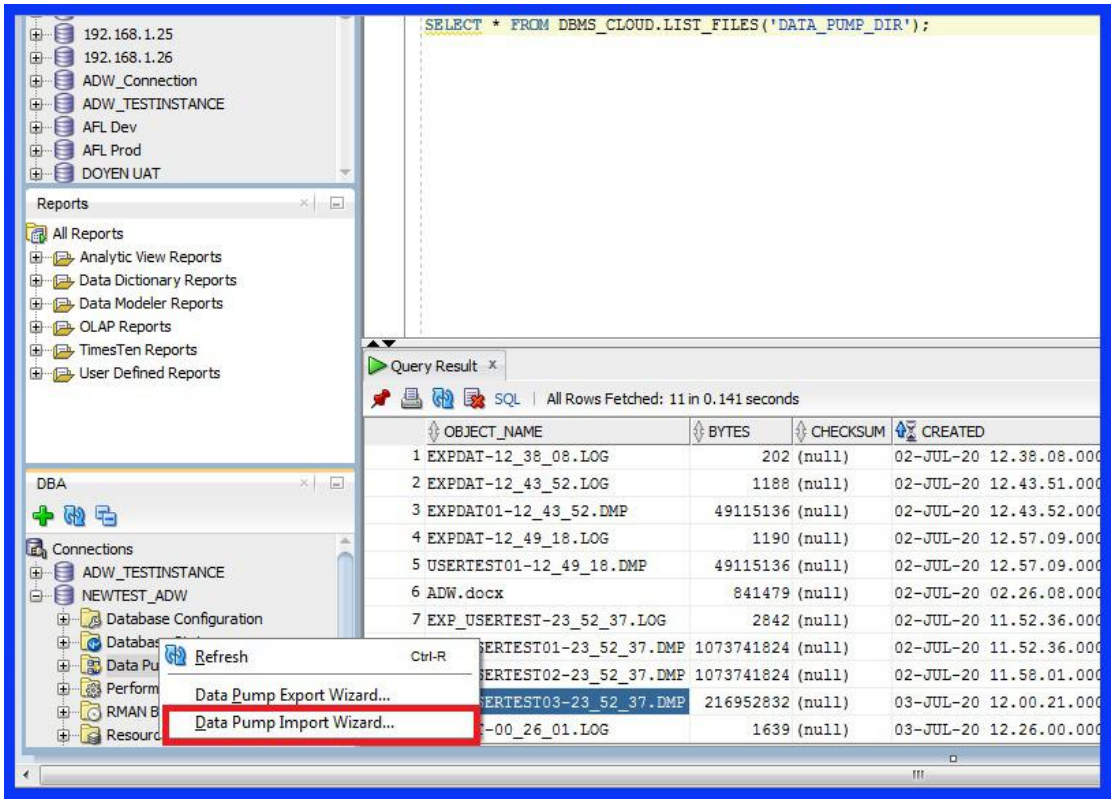
To find the dumpfiles in the directory .Use the below query.

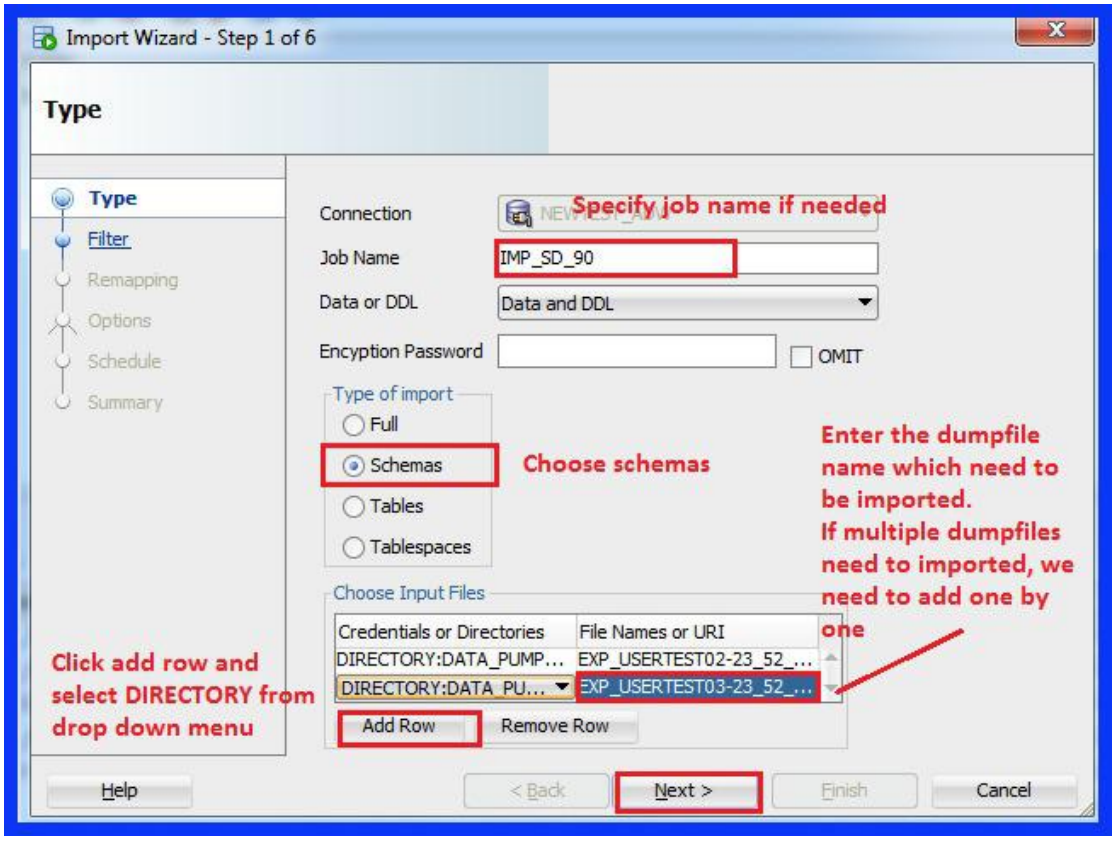
```
SELECT * FROM DBMS_CLOUD.LIST_FILES('DATA_PUMP_DIR');
```

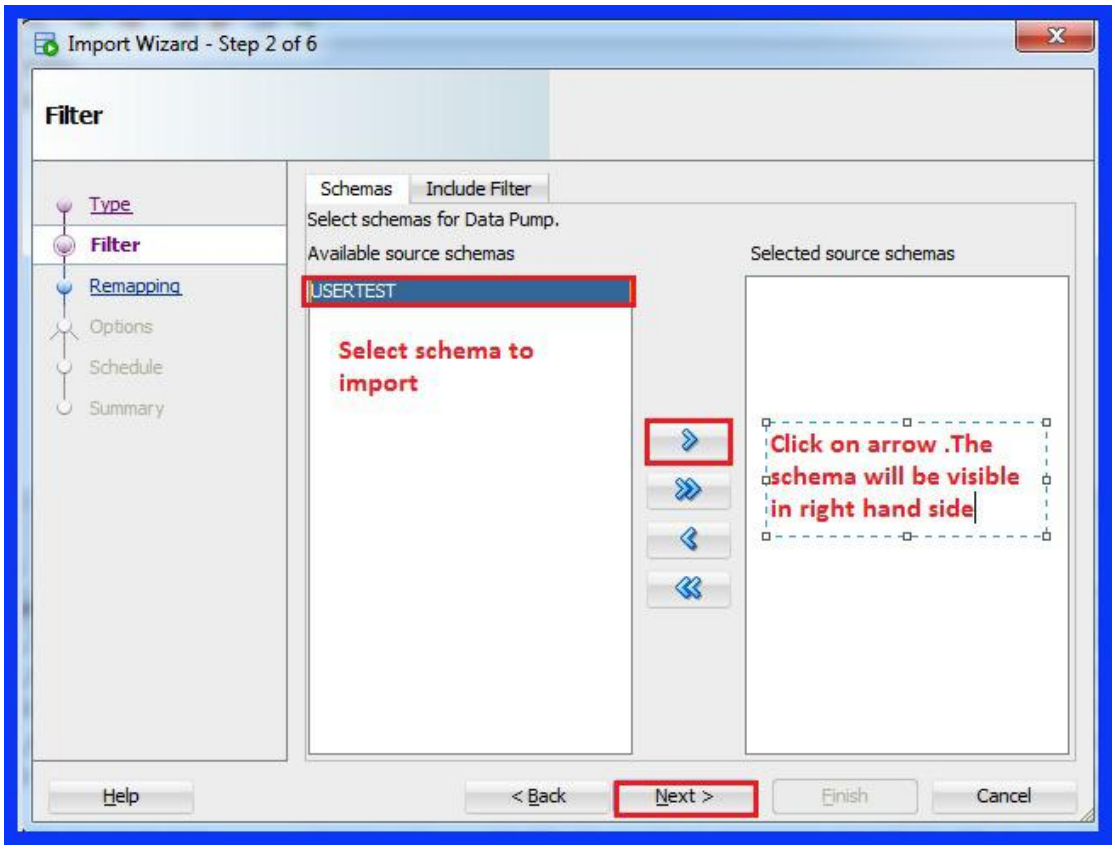
Note : DATA_PUMP_DIR is directory name

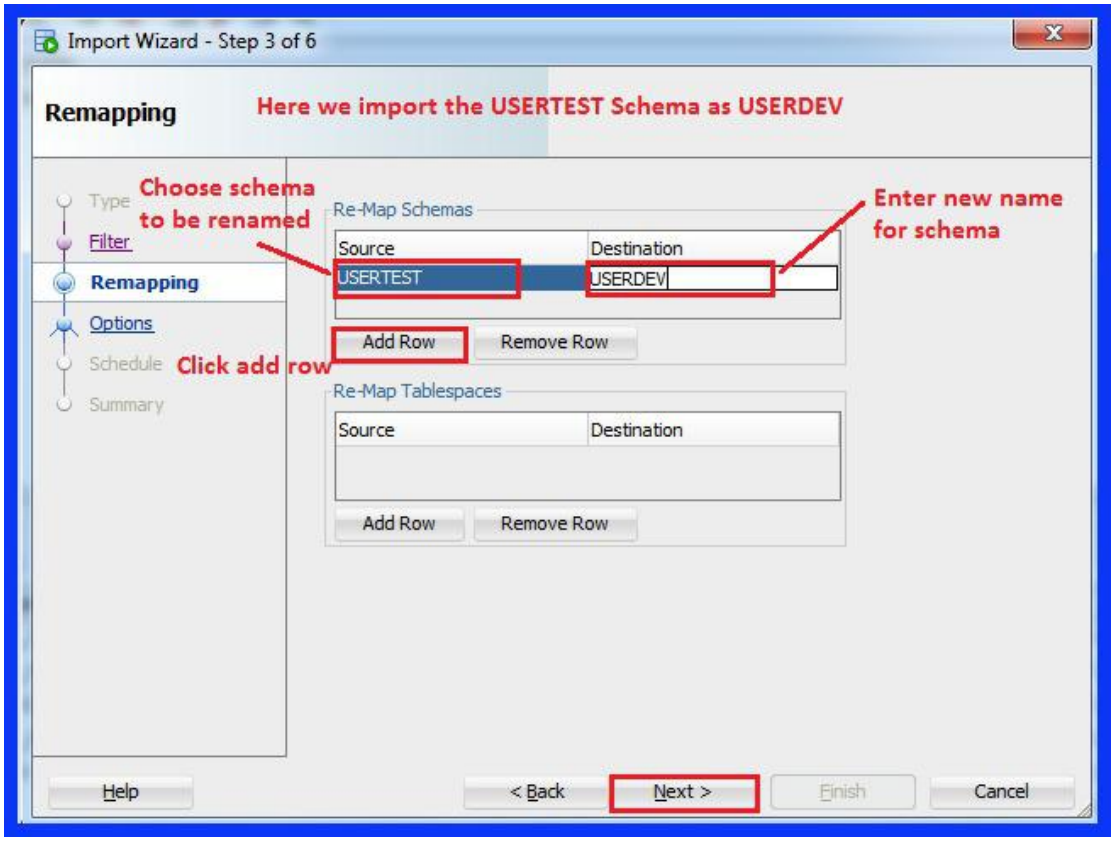


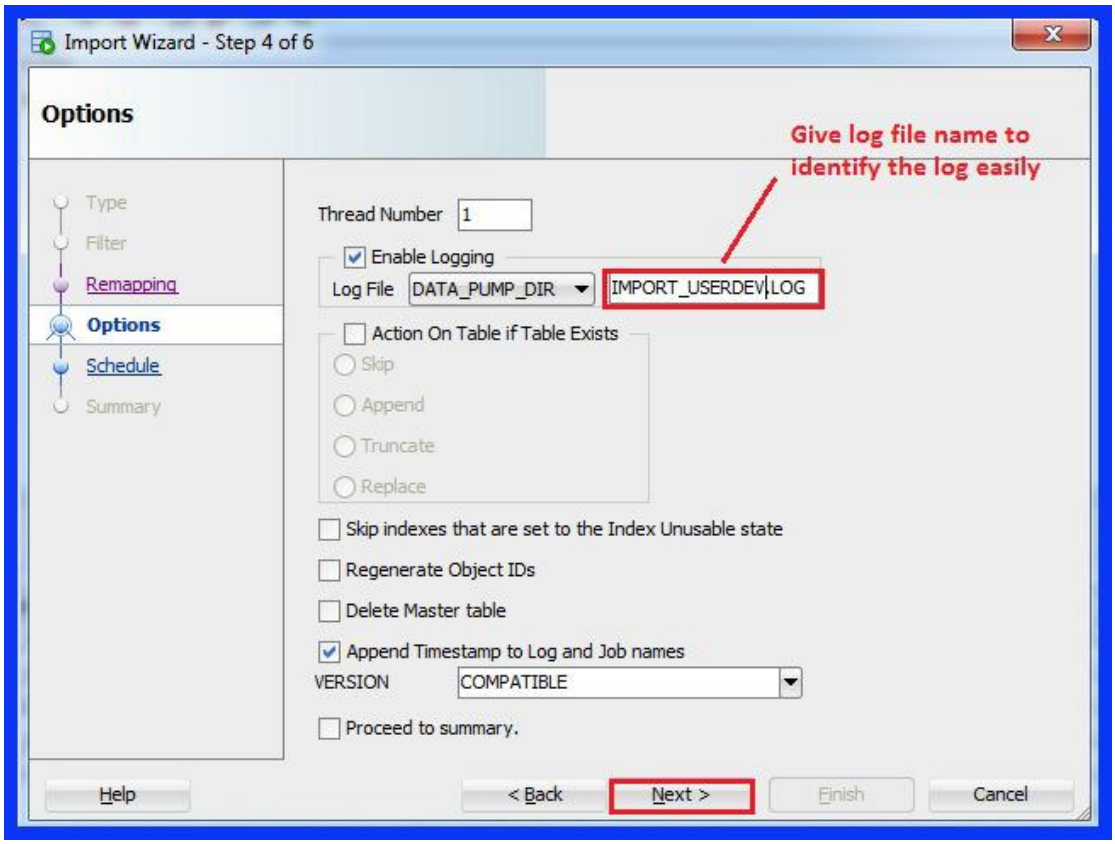
To IMPORT the schema follow below steps.
In this case we are importing the **USERTEST** schema by renaming it to **USERDEV**.

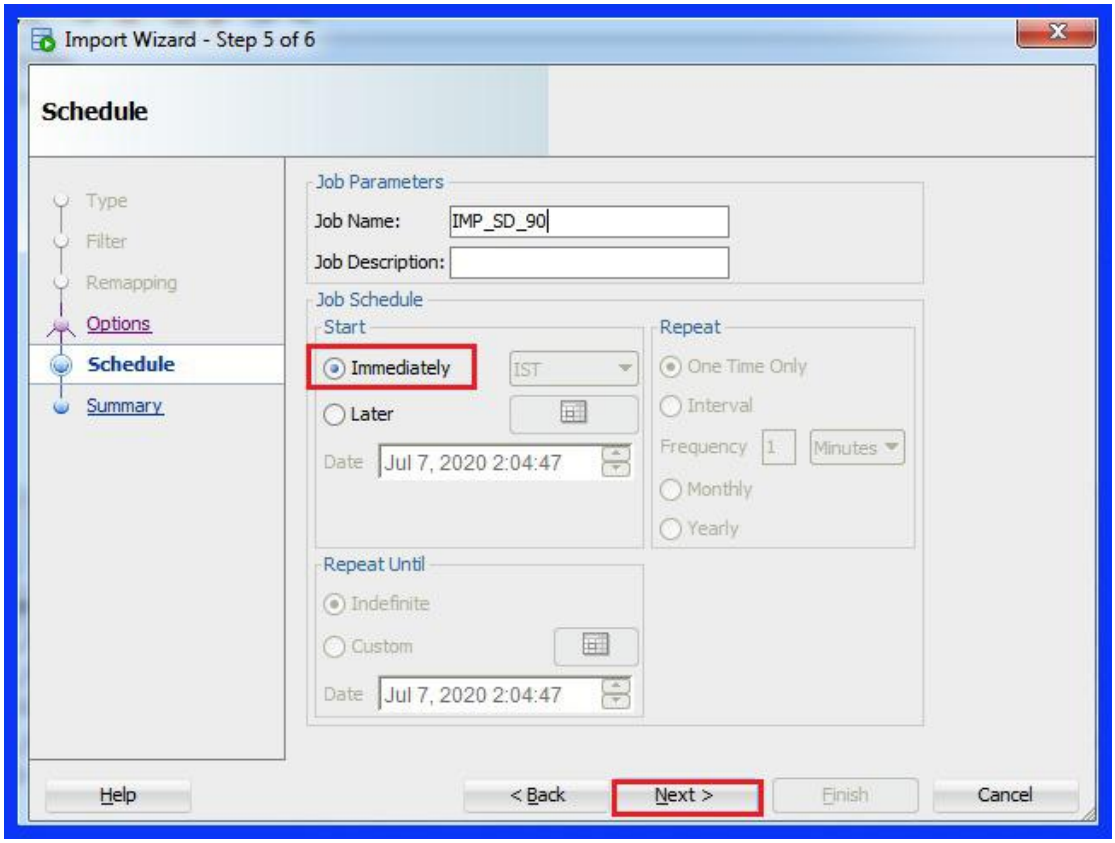


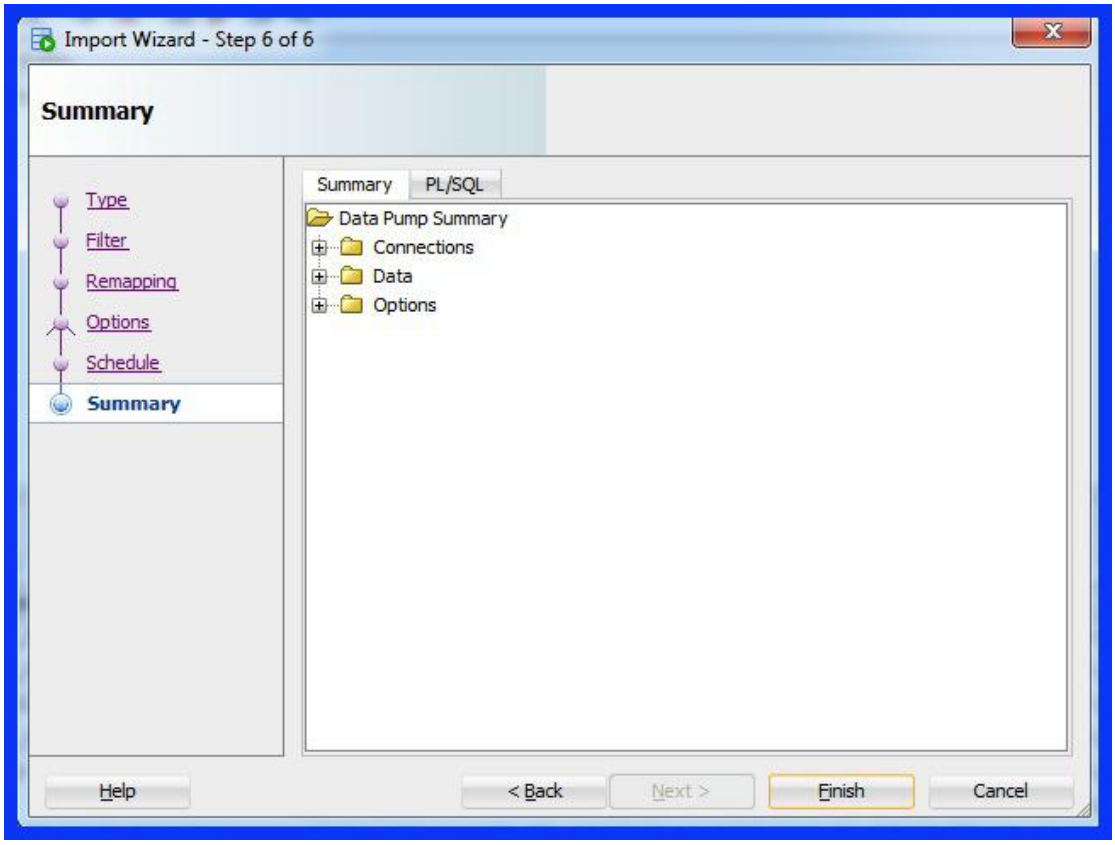

Import Wizard - Step 1 of 6
Type
Type
Filter
Remapping
Options
Schedule
Summary
Connection
Specify job name if needed
Job Name
IMP_SD_90
Data or DDL
Data and DDL
Encyption Password
OMIT
Type of import
Full
Schemas
Choose schemas
Tables
Tablespaces
Enter the dumpfile name which need to be imported.
If multiple dumpfiles need to imported, we need to add one by one
Choose Input Files
Credentials or Directories
File Names or URI
DIRECTORY:DATA_PUMP...
EXP_USERTEST02-23_52_...
DIRECTORY:DATA_PU...
EXP_USERTEST03-23_52_...
Click add row and select DIRECTORY from drop down menu
Add Row
Remove Row
Help
< Back
Next >
Finish
Cancel


Import Wizard - Step 2 of 6
Filter
Type
Filter
Remapping
Options
Schedule
Summary
Schemas
Include Filter
Select schemas for Data Pump.
Available source schemas
Selected source schemas
USERTEST
Select schema to import
Click on arrow .The schema will be visible in right hand side
Help
< Back
Next >
Finish
Cancel

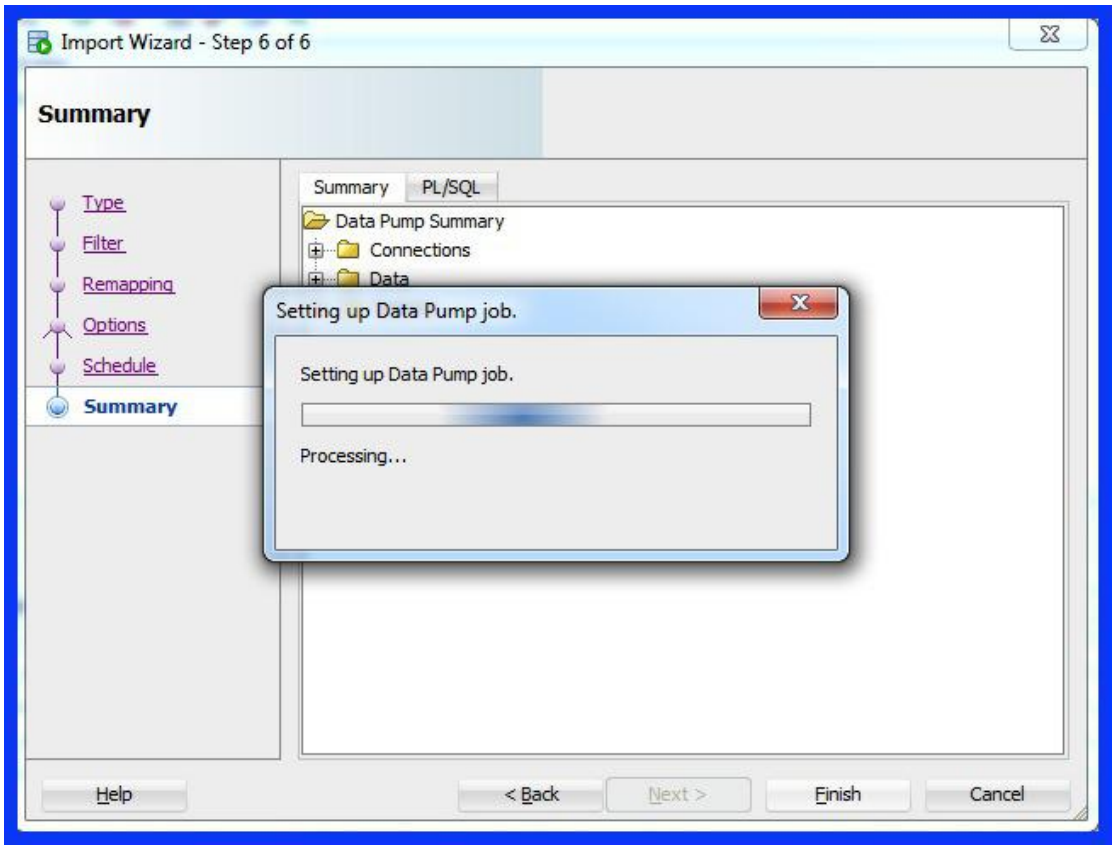

Import Wizard - Step 3 of 6
Remapping
Here we import the USERTEST Schema as USERDEV
Type
Filter
Remapping
Options
Schedule
Summary
Choose schema to be renamed
Re-Map Schemas
Source
Destination
USERTEST
USERDEV
Enter new name for schema
Add Row
Remove Row
Click add row
Re-Map Tablespaces
Source
Destination
Add Row
Remove Row
Help
< Back
Next >
Finish
Cancel


Import Wizard - Step 4 of 6
Options
Give log file name to identify the log easily
Type
Filter
Remapping
Options
Schedule
Summary
Thread Number
1
Enable Logging
Log File
DATA_PUMP_DIR
IMPORT_USERDEV.LOG
Action On Table if Table Exists
Skip
Append
Truncate
Replace
Skip indexes that are set to the Index Unusable state
Regenerate Object IDs
Delete Master table
Append Timestamp to Log and Job names
VERSION
COMPATIBLE
Proceed to summary.
Help
< Back
Next >
Finish
Cancel


Import Wizard - Step 5 of 6
Schedule
Type
Filter
Remapping
Options
Schedule
Summary
Job Parameters
Job Name: IMP_SD_90
Job Description:
Job Schedule
Start
Immediately
IST
Later
Date Jul 7, 2020 2:04:47
Repeat
One Time Only
Interval
Frequency 1 Minutes
Monthly
Yearly
Repeat Until
Indefinite
Custom
Date Jul 7, 2020 2:04:47
Help
< Back
Next >
Finish
Cancel


Import Wizard - Step 6 of 6
Summary
Type
Filter
Remapping
Options
Schedule
Summary
Summary
PL/SQL
Data Pump Summary
Connections
Data
Options
Help
< Back
Next >
Finish
Cancel

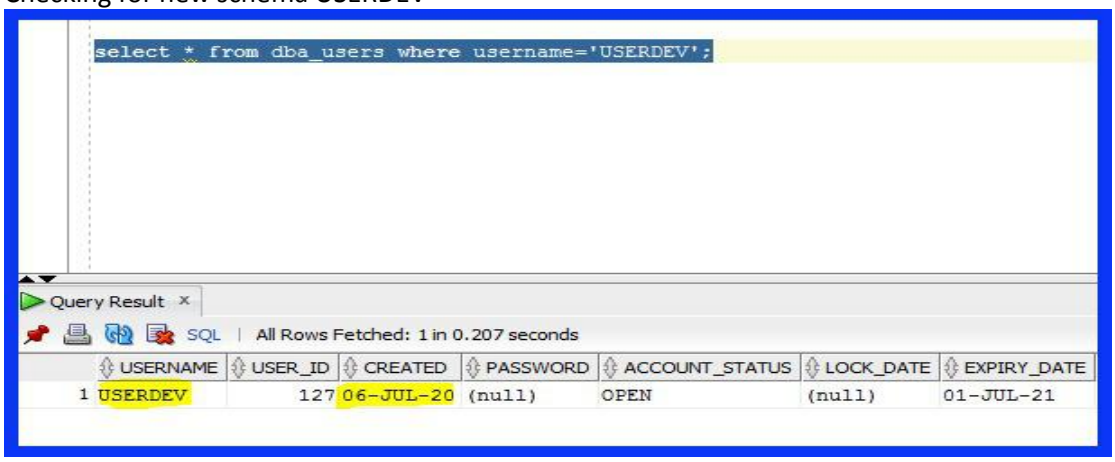
Now we can see the import job started.



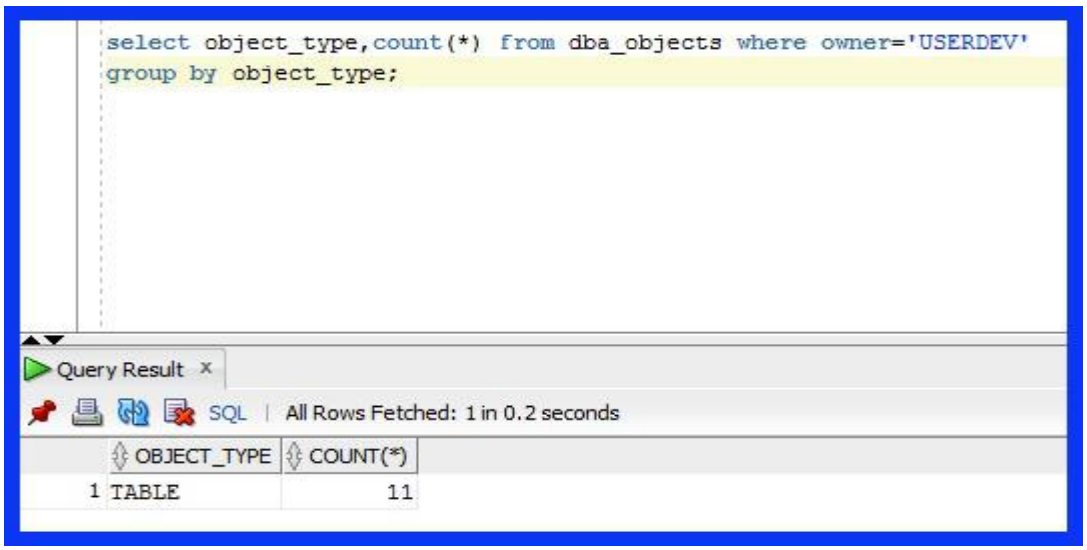

```
.  estimated "USERTEST"."TABLE8"                        4.683 KB
.  estimated "USERTEST"."TABLE9"                        4.683 KB
Processing object type SCHEMA_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS
Processing object type SCHEMA_EXPORT/STATISTICS/MARKER
Processing object type SCHEMA_EXPORT/USER
Processing object type SCHEMA_EXPORT/SYSTEM_GRANT
Processing object type SCHEMA_EXPORT/DEFAULT_ROLE
Processing object type SCHEMA_EXPORT/PASSWORD_HISTORY
Processing object type SCHEMA_EXPORT/PRE_SCHEMA/PROCACT_SCHEMA
Processing object type SCHEMA_EXPORT/TABLE/TABLE
Processing object type SCHEMA_EXPORT/POST_SCHEMA/PROCACT_SCHEMA
. . exported "USERTEST"."TABLE10"                        492.7 MB 10000000 rows
. . exported "USERTEST"."TABLE11"                        492.7 MB 10000000 rows
. . exported "USERTEST"."TABLE1"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE2"                         4.456 MB  100000 rows
. . exported "USERTEST"."TABLE3"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE4"                         492.7 MB 10000000 rows
. . exported "USERTEST"."TABLE5"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE6"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE7"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE8"                         46.50 MB 1000000 rows
. . exported "USERTEST"."TABLE9"                         492.7 MB 10000000 rows
ORA-39173: Encrypted data has been stored unencrypted in dump file set.
Master table "ADMIN"."USERTEST_EXPORT-23_41_07" successfully loaded/unloaded
******************************************************************************
```

Verifying the IMPORT

Checking for new schema USERDEV



Checking objects in new schema



Changing new schema password.