
Setting Up Warehouse Builder

Introduction:

Oracle Warehouse Builder (OWB) is an extensible framework for designing, deploying, and managing enterprise data warehouses, data marts, and e-business intelligence applications.

OWB Sources and Targets

Sources	Targets
Oracle: Tables, views, materialized views, external tables, transportable tablespaces, SQL*Loader, and so on	Oracle: Tables, views, materialized views, external tables, dimensions, cubes, and so on
Other vendors: IBM DB2, Microsoft SQL Server, Sybase, Informix, Mainframes, and so on (via Oracle Transparent Gateways)	Other vendors: IBM DB2, Microsoft SQL Server, Sybase, Informix, Mainframes, and so on (via Oracle Transparent Gateways)
ODBC	ODBC
Flat files	Flat files
Applications: Oracle Applications, SAP, PeopleSoft, Custom SQL applications, and so on	Applications: Oracle Applications, PeopleSoft, Custom SQL applications, and so on

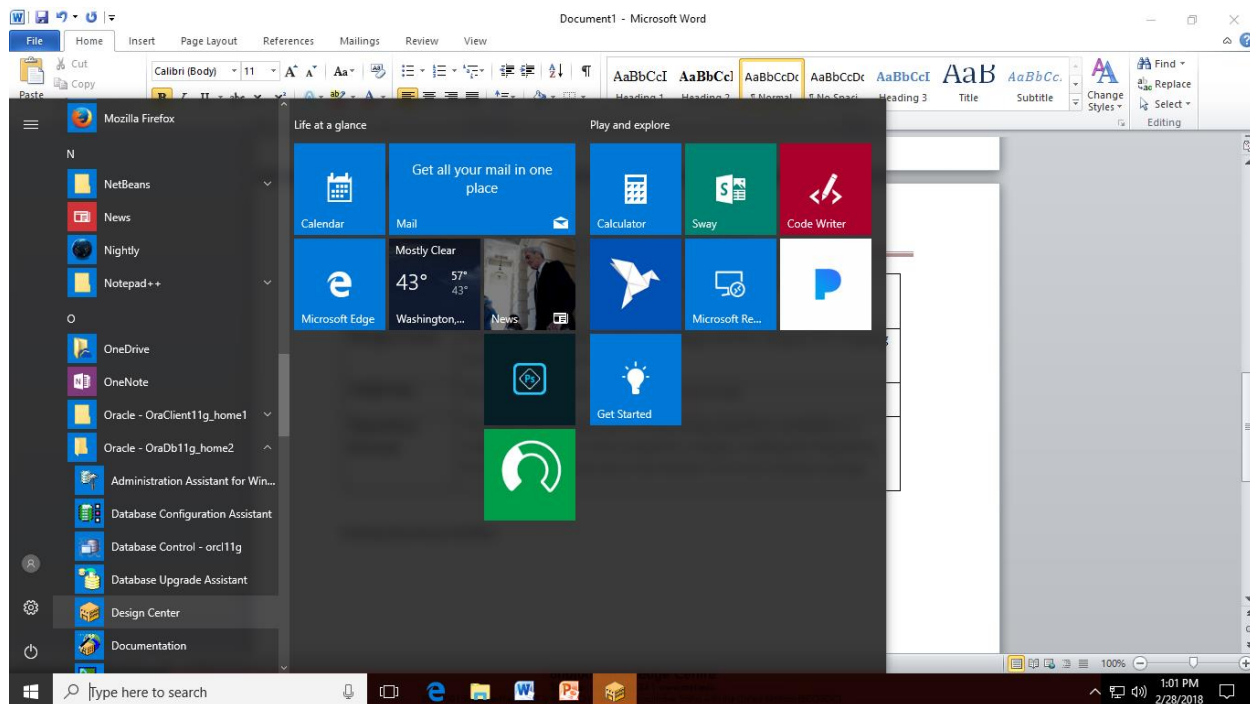
OWB Product Components

Administration	Repository Assistant	Facility for creating and managing OWB repositories and users
	Start or Stop Control Center Service	Facilities for starting and stopping the OWB Control Center Service
	Start or Stop OWB	Facilities for starting and stopping the

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	Browser Listener	Repository Browser Listener for stand-alone local browser (OC4J)
Design Center	The main OWB client in which you design sources, targets, ETL mapping transformations, and so on	
OMB Plus	The scripting tool you use to execute tcl scripts	
Repository Browser	The reporting environment for examining repository metadata in a read-only manner. (In the production release, invoking the Repository Browser automatically starts the listener if it is not already running.)	

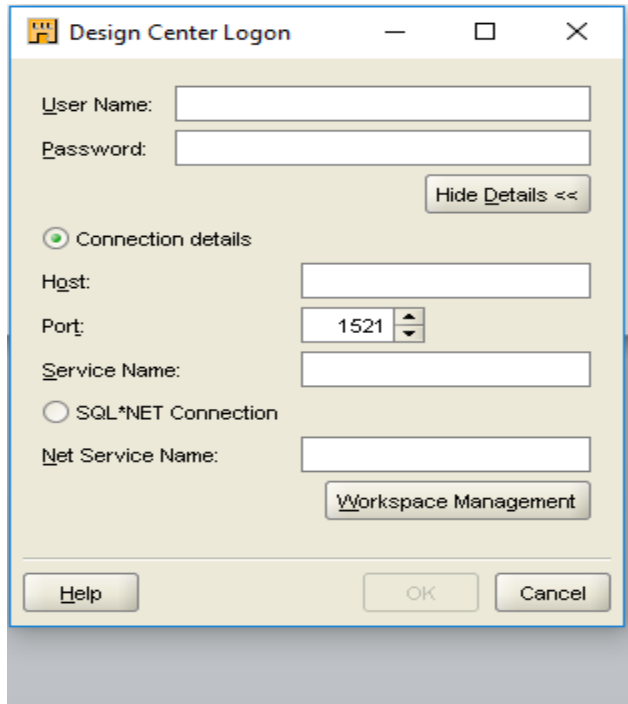
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Configuring Oracle Warehouse Builder:

- 1) On starting Design center we get Following Screen

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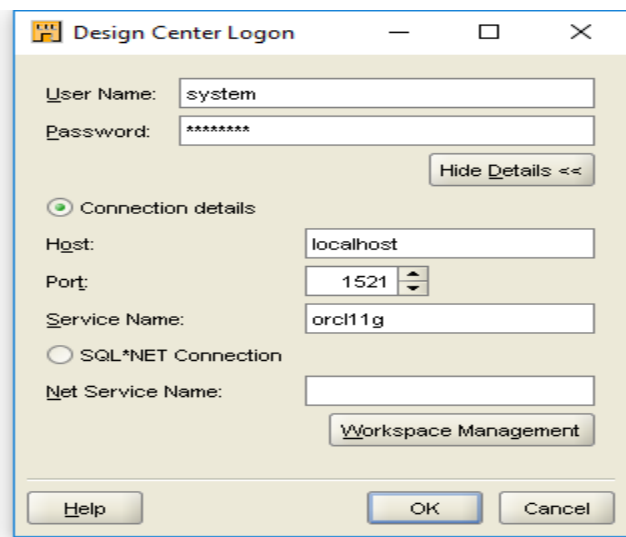


The image shows the 'Design Center Logon' dialog box. It has a title bar with a small icon and standard window controls. The main area contains several input fields: 'User Name:' and 'Password:' at the top, followed by a 'Hide Details <<' button. Below this is a section for 'Connection details' with a radio button selected. It includes fields for 'Host:', 'Port:' (with a spinner set to 1521), 'Service Name:', and 'Net Service Name:'. There is also an 'SQL*NET Connection' radio button and a 'Workspace Management' button. At the bottom are 'Help', 'OK', and 'Cancel' buttons.

- 1) **Username:** Should be any Oracle Administrator account
 - a. SYS or SYSDBA
- 2) **Password:** Password of the said account

Note: At the time of installation creates these accounts automatically.

- 3) **Host:** IP address of the machine where oracle is installed or Localhost if installed locally
- 4) **Port No:** 1521
- 5) **Service Name:** By default oracle database runs in an instance of oracle server. Service name is the name of your database or server which is provided at the time of installation.

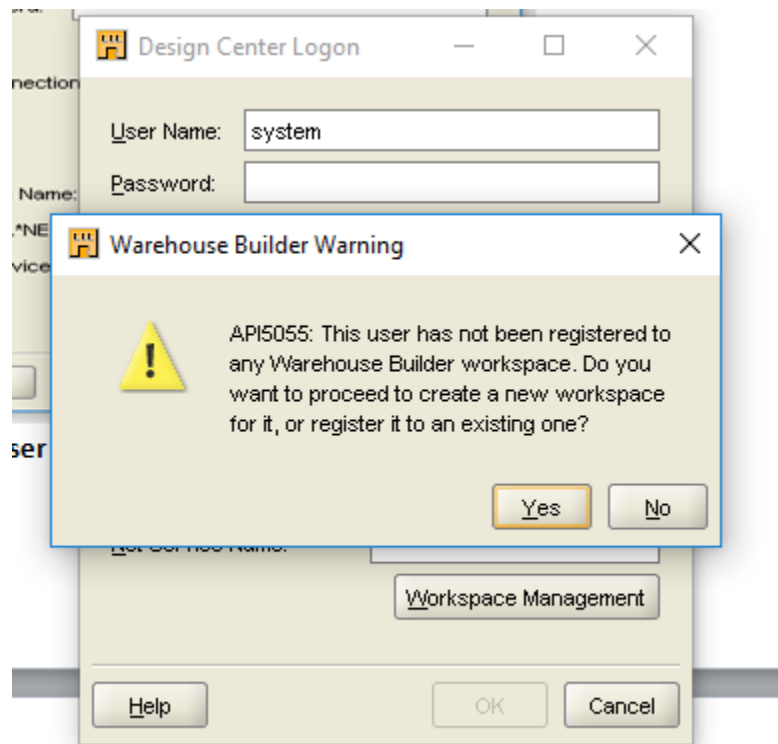


The image shows the 'Design Center Logon' dialog box with the following values filled in: 'User Name:' is 'system', 'Password:' is '*****', 'Host:' is 'localhost', 'Port:' is '1521', and 'Service Name:' is 'orcl11g'. The 'Connection details' radio button is selected. The 'Workspace Management' button is visible. The 'OK' button is highlighted.

2) Registering User with warehouse Builder

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After entering the details as mentioned above, we need to register the user with OWB. We get a prompt



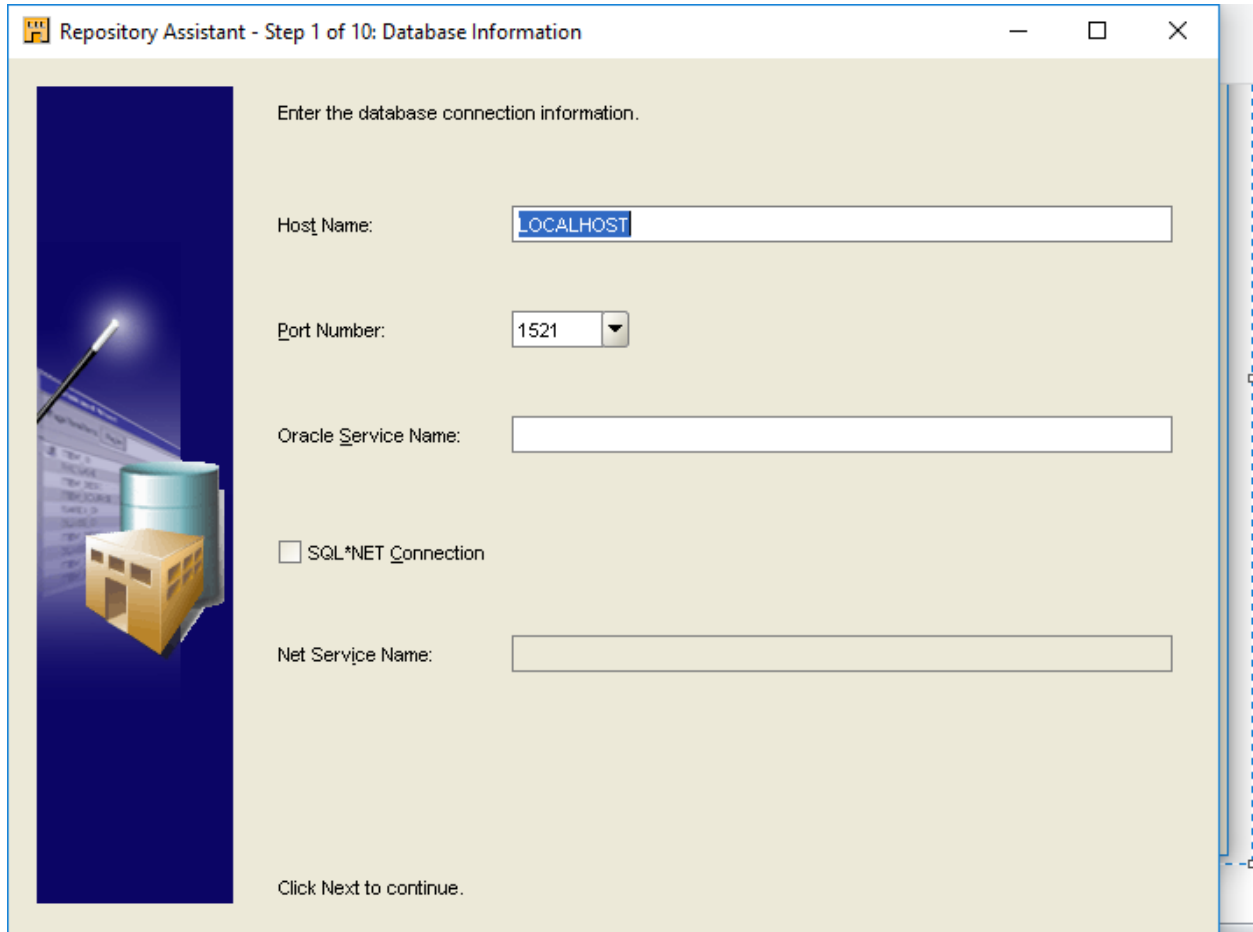
Click on Yes

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Click on Next

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Repository Assistant - Step 1 of 10: Database Information

Enter the database connection information.

Host Name:

Port Number:

Oracle Service Name:

☐ SQL*NET Connection

Net Service Name:

Click Next to continue.

Again provide the details as before

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Repository Assistant - Step 1 of 10: Database Information

Enter the database connection information.

Host Name:


Port Number: ▼

Oracle Service Name:

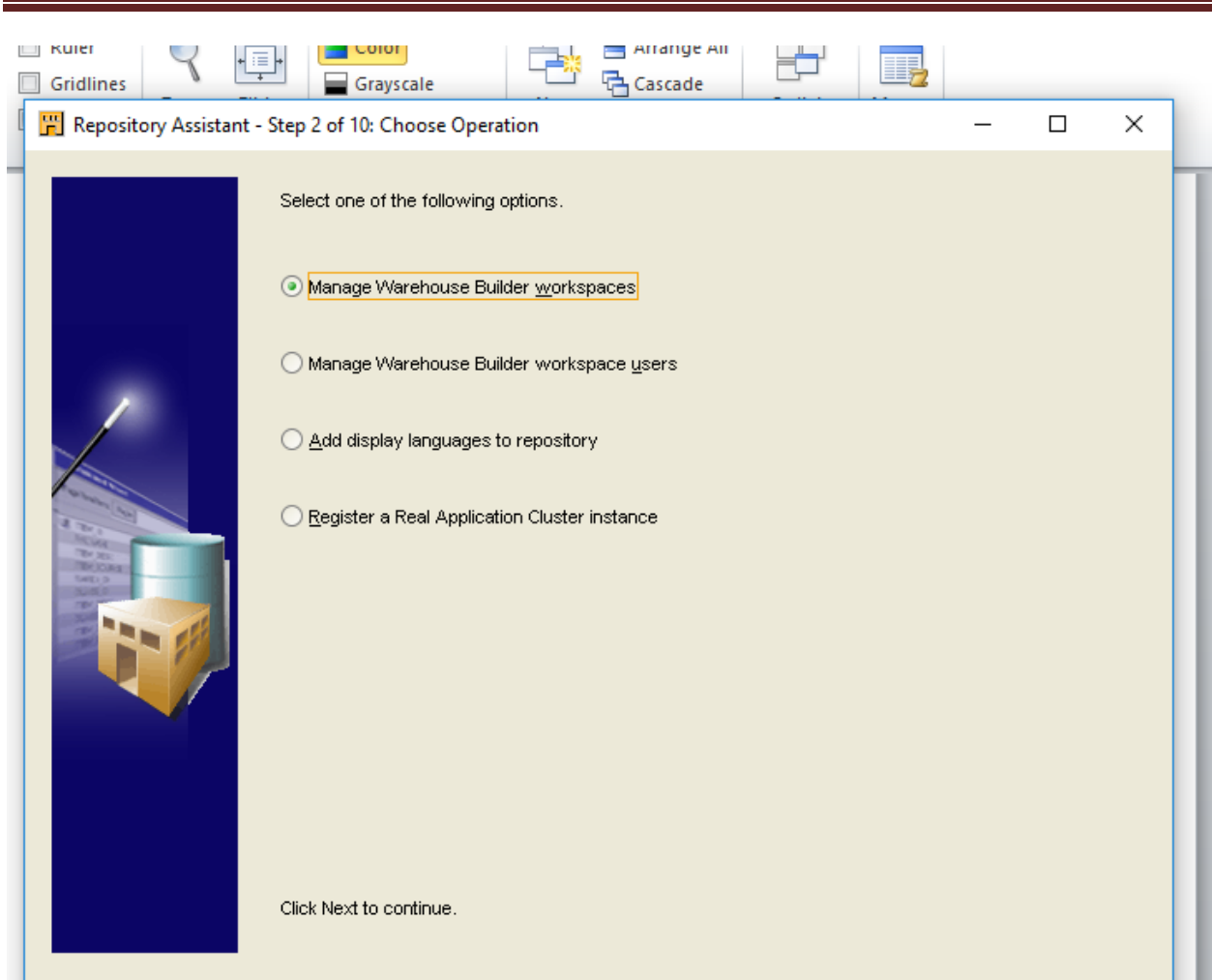
☐ SQL*NET Connection

Net Service Name:

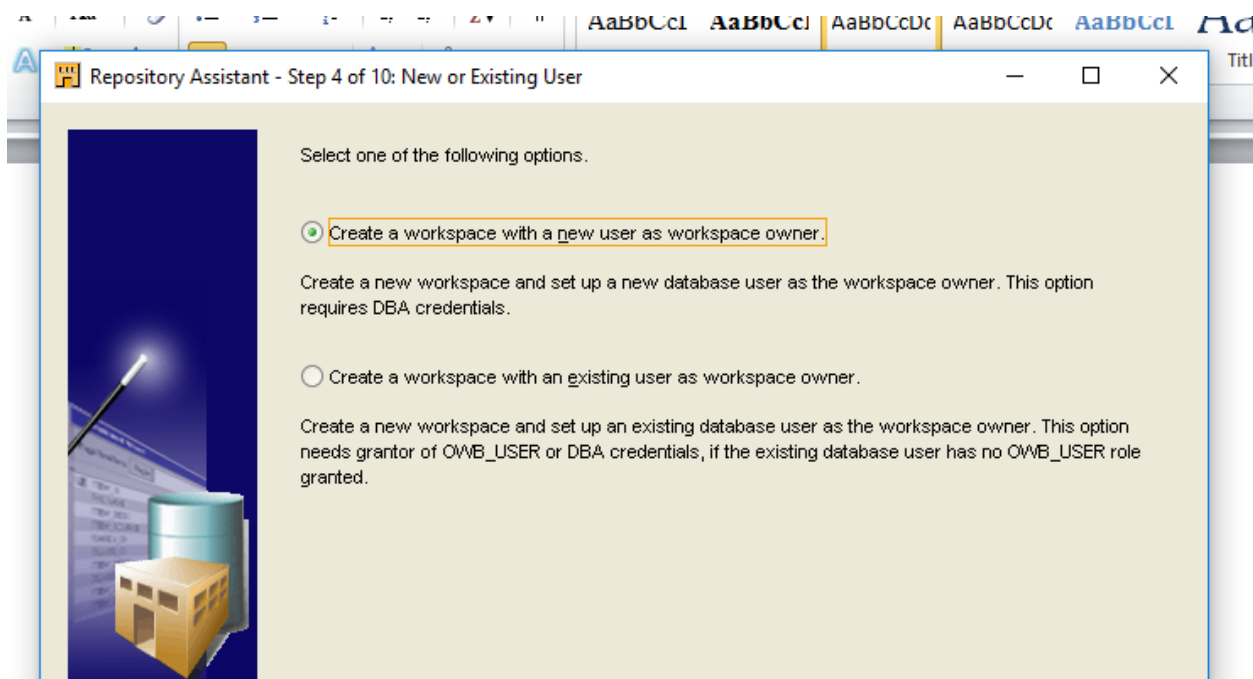
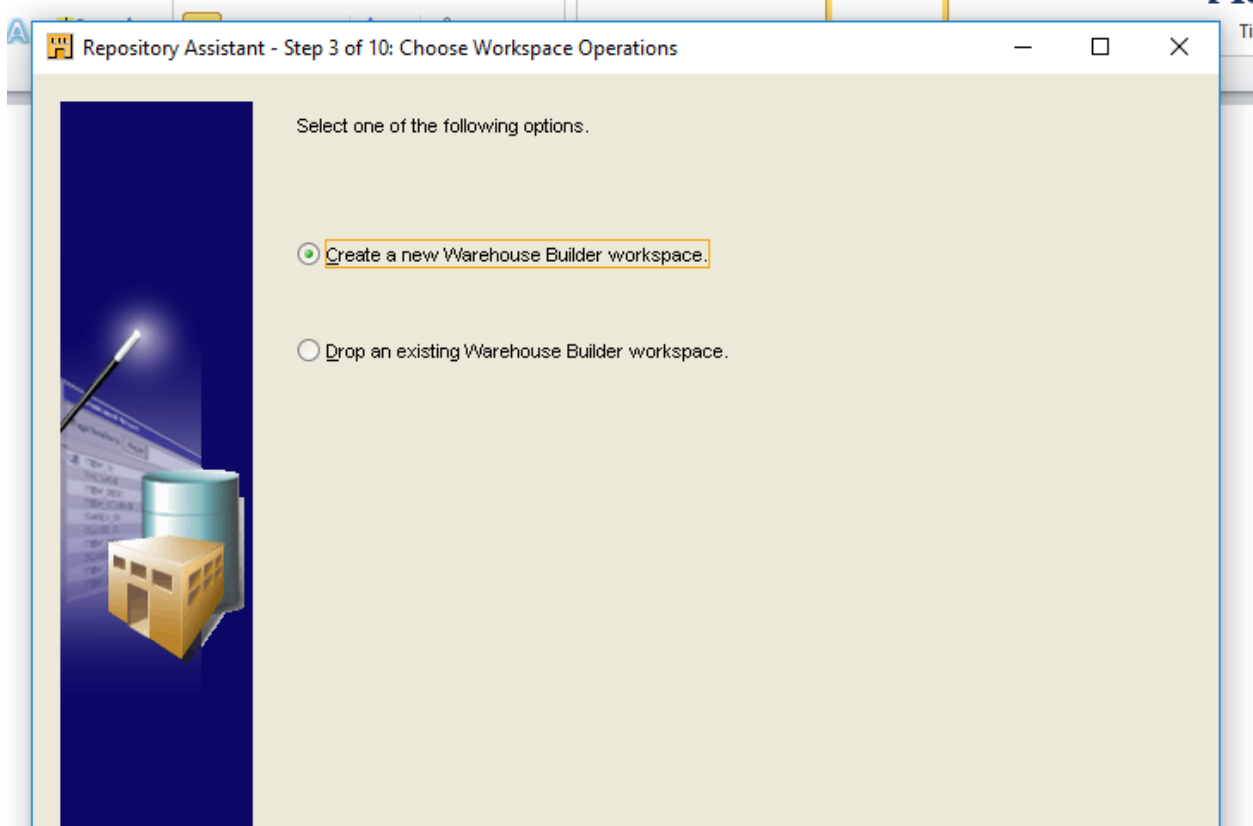
Click Next to continue.



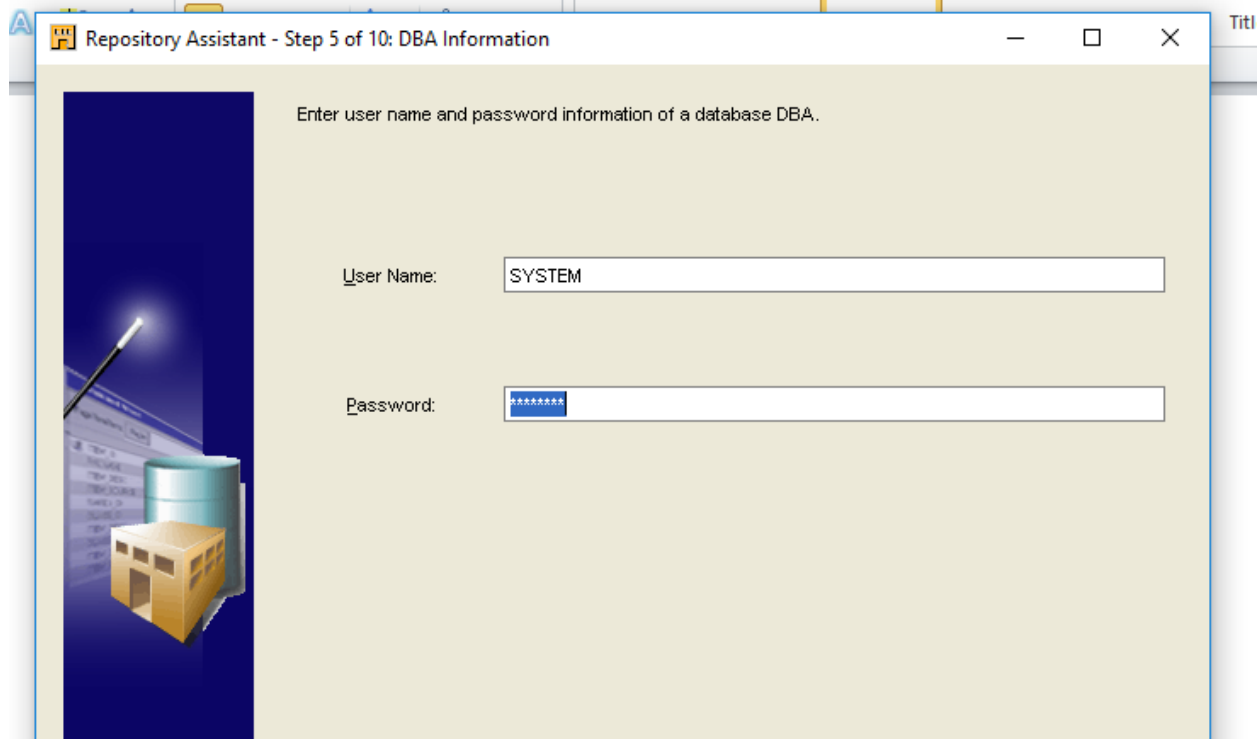
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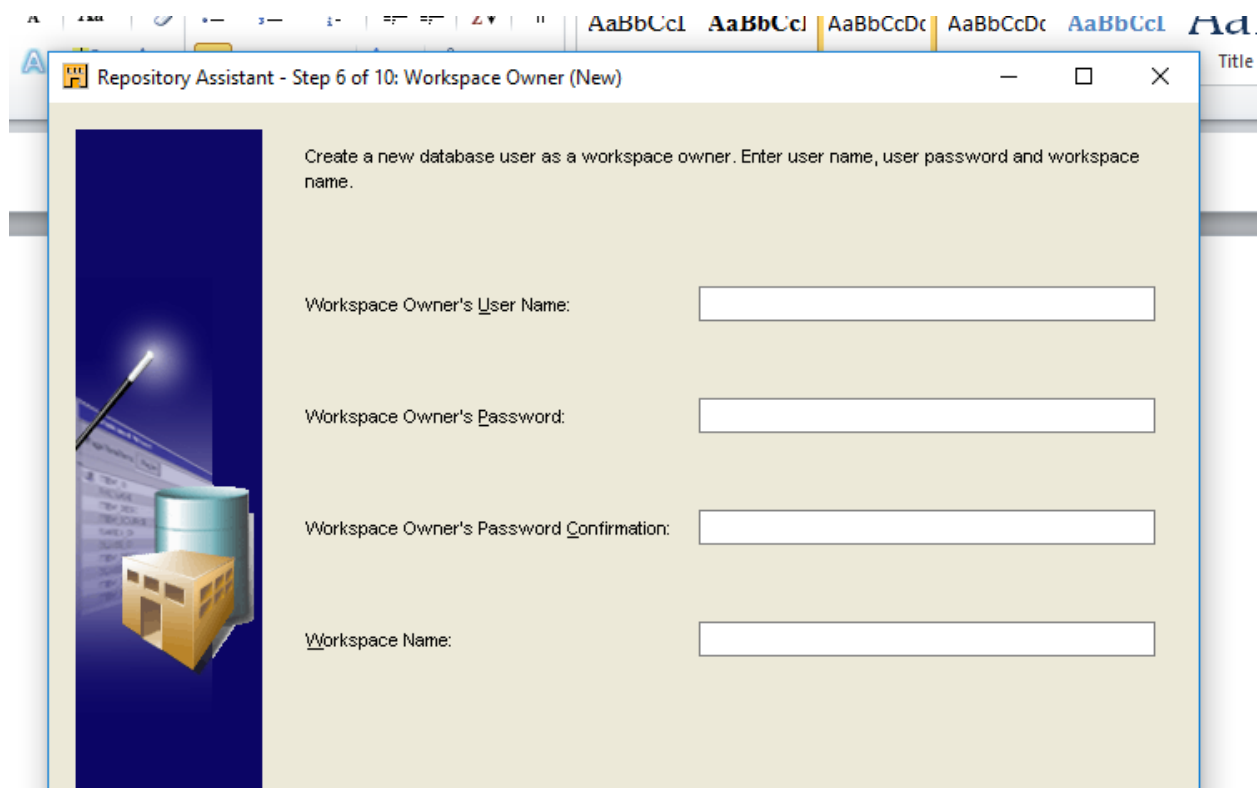
Repository Assistant - Step 5 of 10: DBA Information

Enter user name and password information of a database DBA.

User Name:

Password:

The screenshot shows a window titled 'Repository Assistant - Step 5 of 10: DBA Information'. On the left is a vertical blue sidebar with a graphic of a warehouse and a database cylinder. The main area is light beige and contains the instruction 'Enter user name and password information of a database DBA.' Below this are two input fields: 'User Name' with the value 'SYSTEM' and 'Password' with masked characters '*****'.



Repository Assistant - Step 6 of 10: Workspace Owner (New)

Create a new database user as a workspace owner. Enter user name, user password and workspace name.

Workspace Owner's User Name:

Workspace Owner's Password:

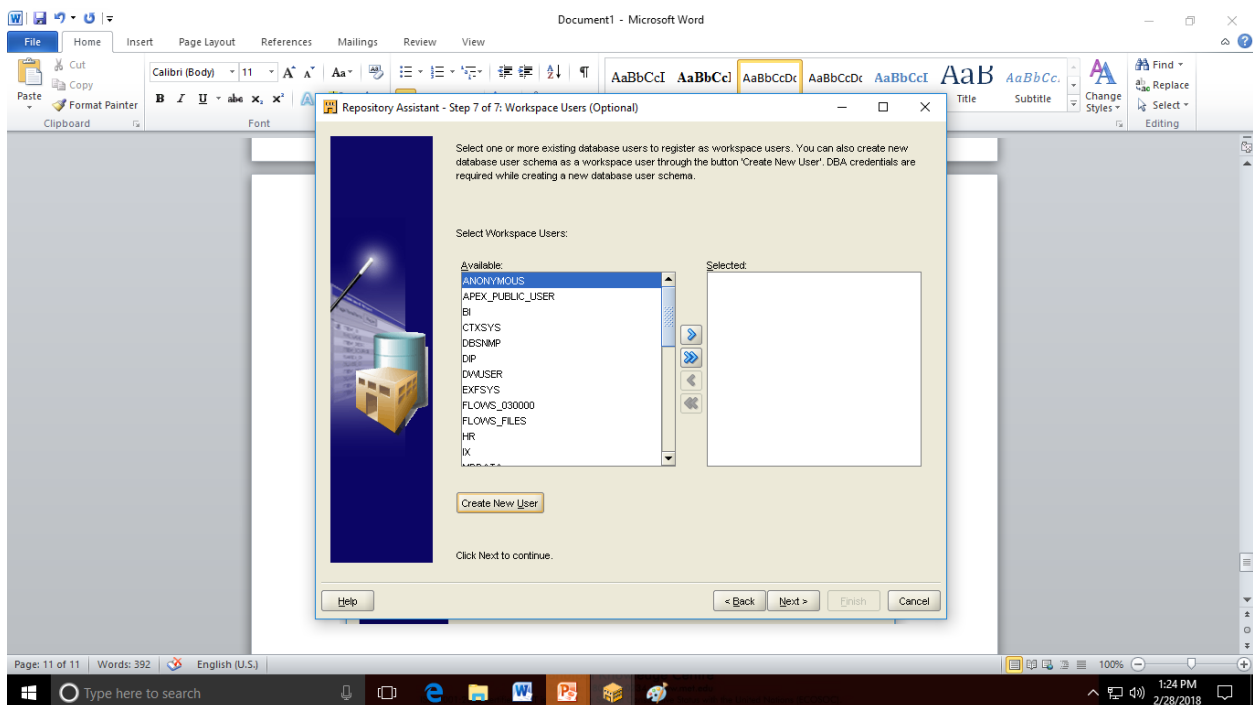
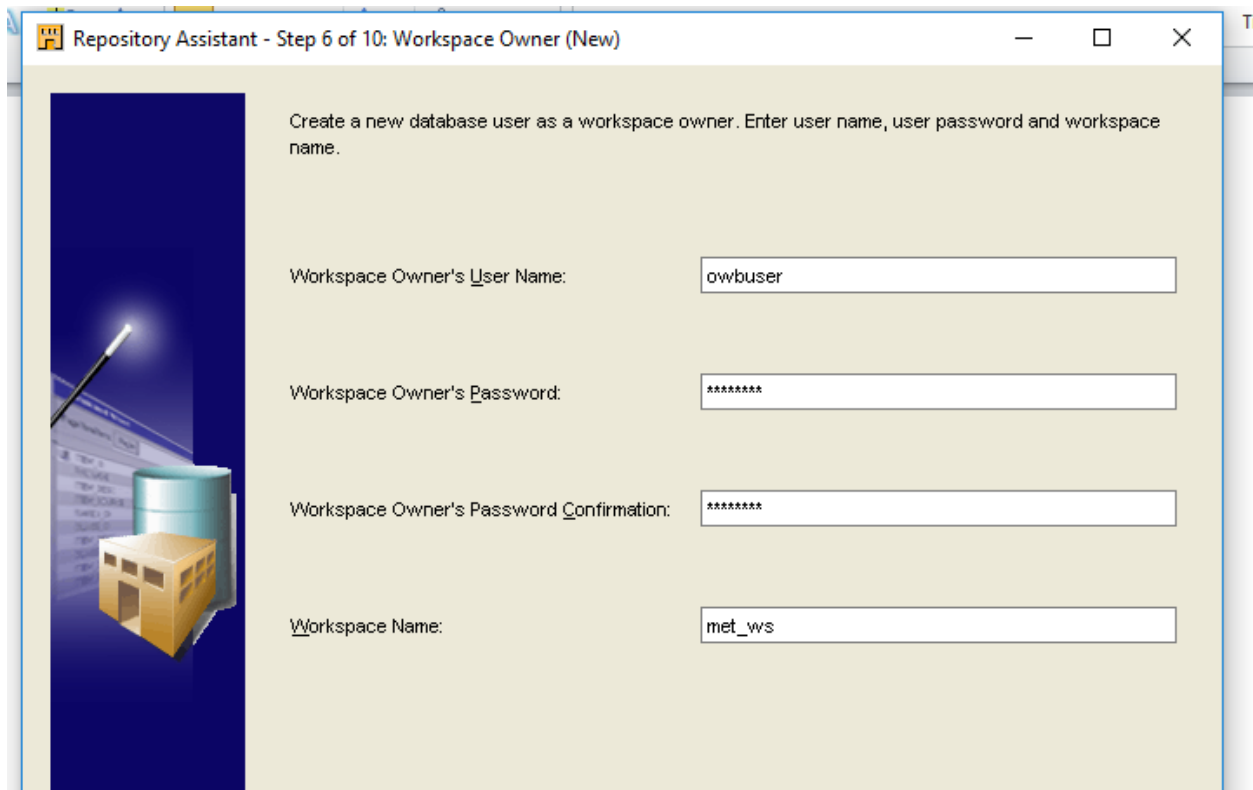
Workspace Owner's Password Confirmation:

Workspace Name:

The screenshot shows a window titled 'Repository Assistant - Step 6 of 10: Workspace Owner (New)'. It has the same sidebar as the previous window. The main area is light beige and contains the instruction 'Create a new database user as a workspace owner. Enter user name, user password and workspace name.' Below this are four input fields: 'Workspace Owner's User Name', 'Workspace Owner's Password', 'Workspace Owner's Password Confirmation', and 'Workspace Name'.

- 1) Workspace Owner: Owner of the workspace. You can give any name. This user we will use for further login.
- 2) Workspace name: A default workspace will be created with this name.

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1) Here we need to specify the user who can access design center. We can use existing users or create a new user. For each student we can create a separate account.

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Repository Assistant - Step 7 of 7: Workspace Users (Optional)

Create New Database User

Enter the information for the new database user. This new database user can be registered as a Warehouse Builder workspace user.

User Name:

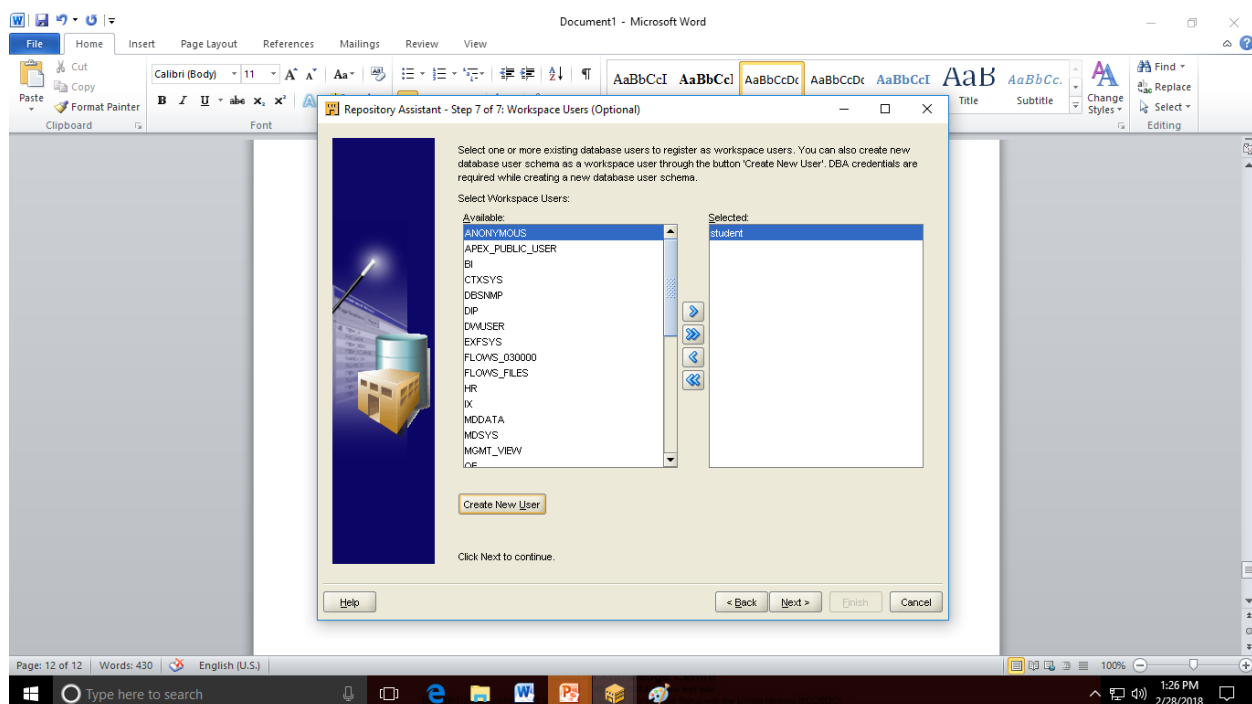
Password:

Re-enter Password:

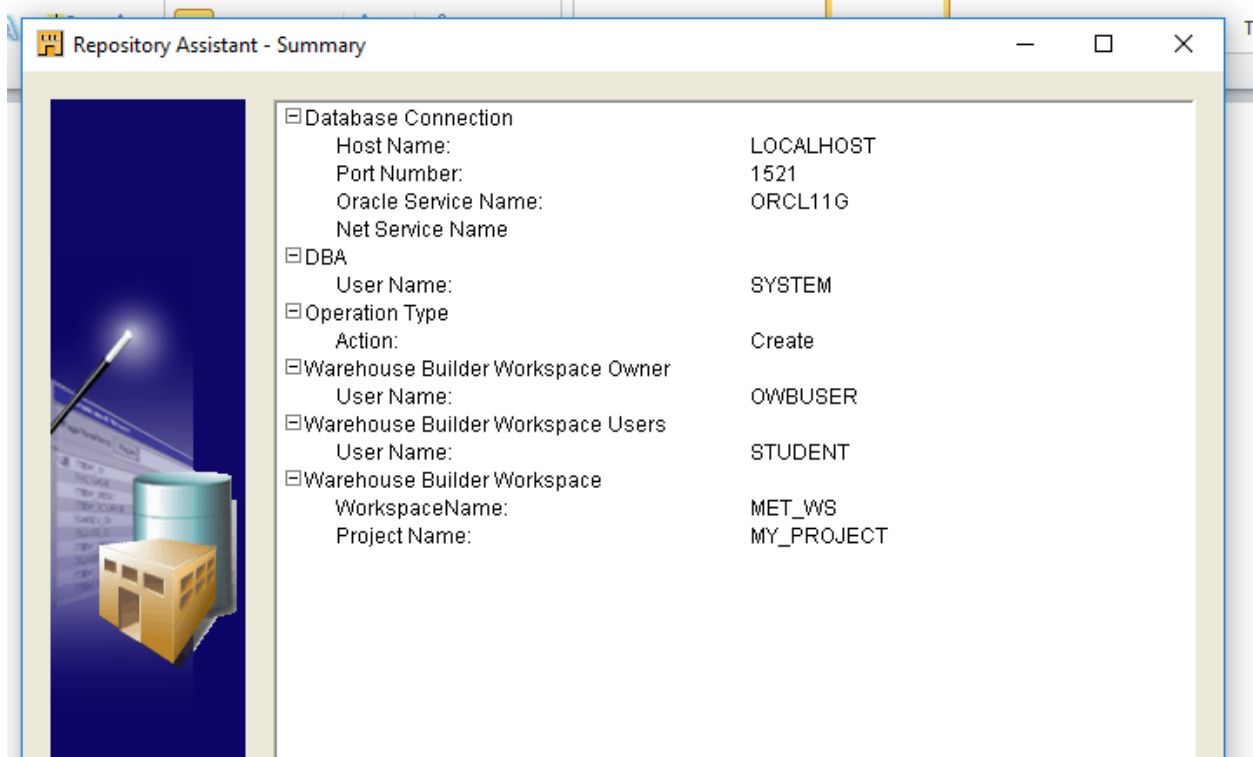
DBA User Name:

DBA User Password:

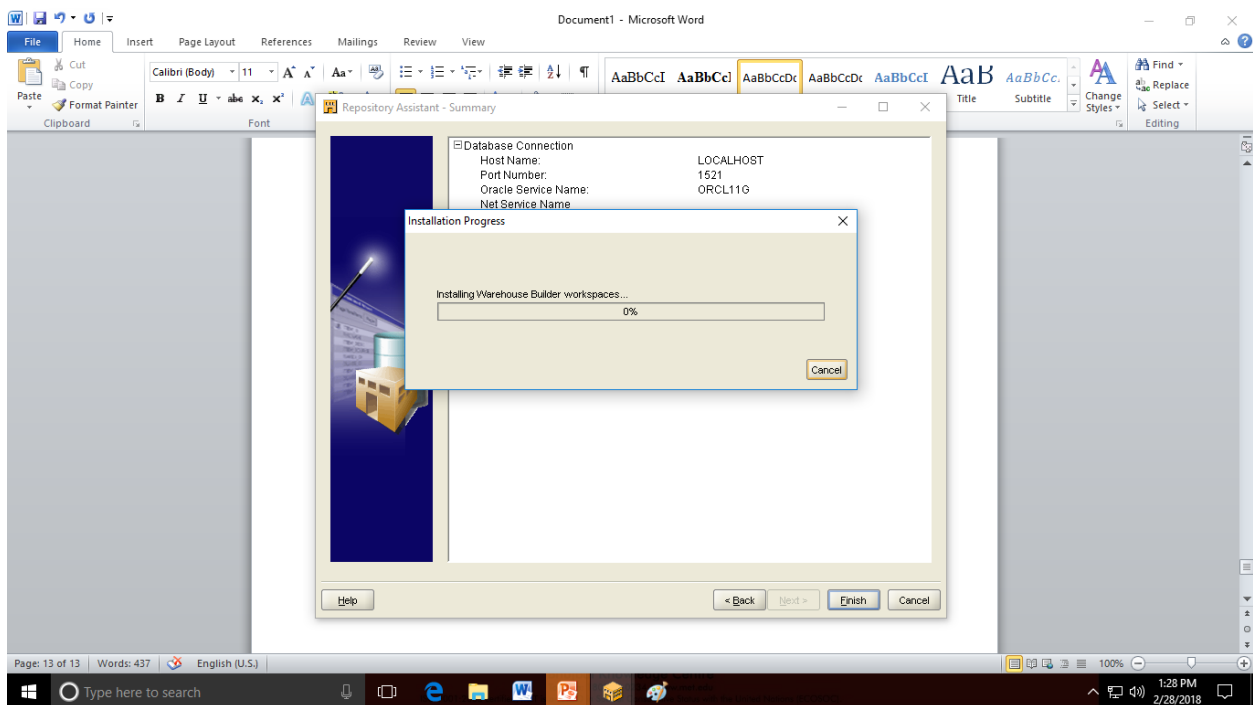
Example of creating a new User



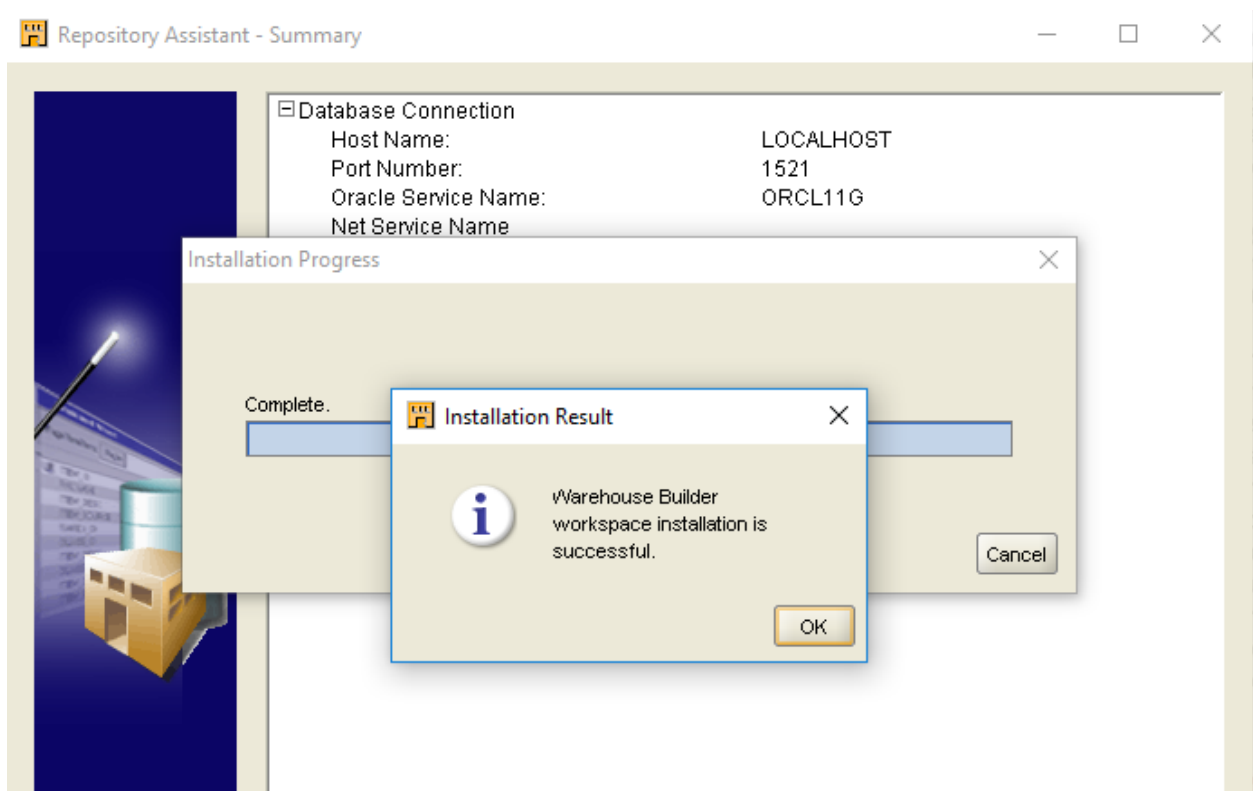
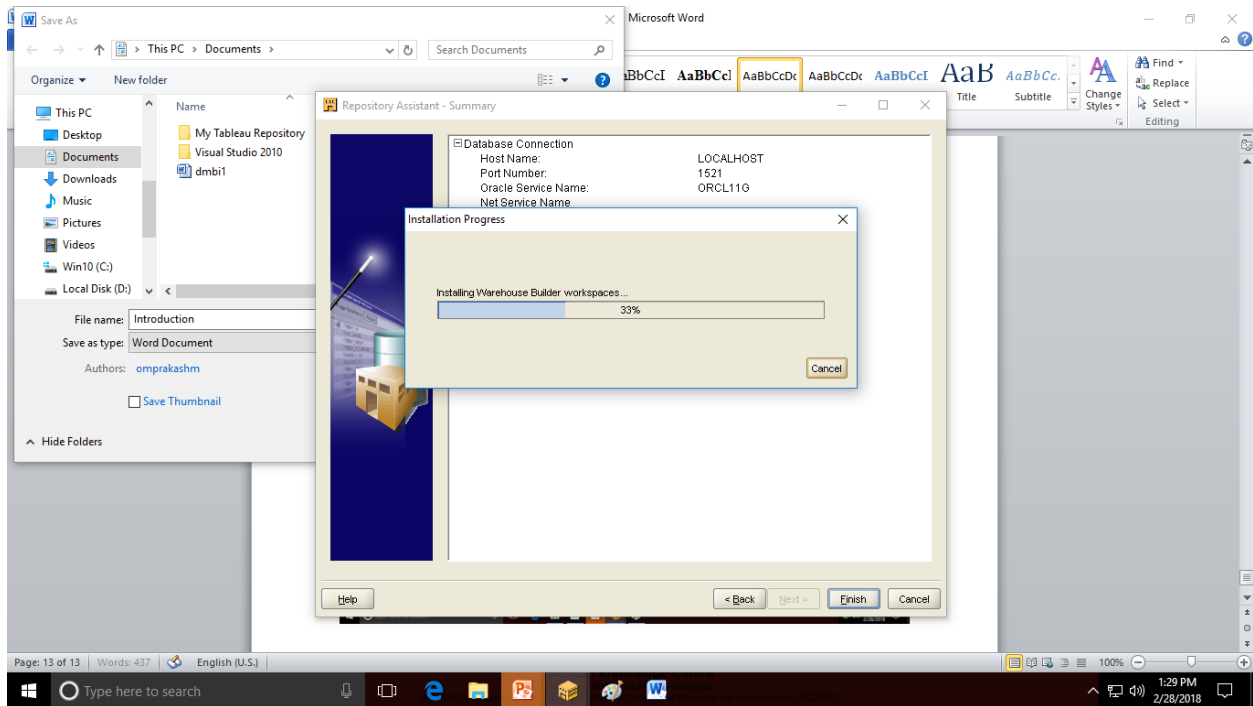
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Final Warehouse Configuration settings. Click on Finish.



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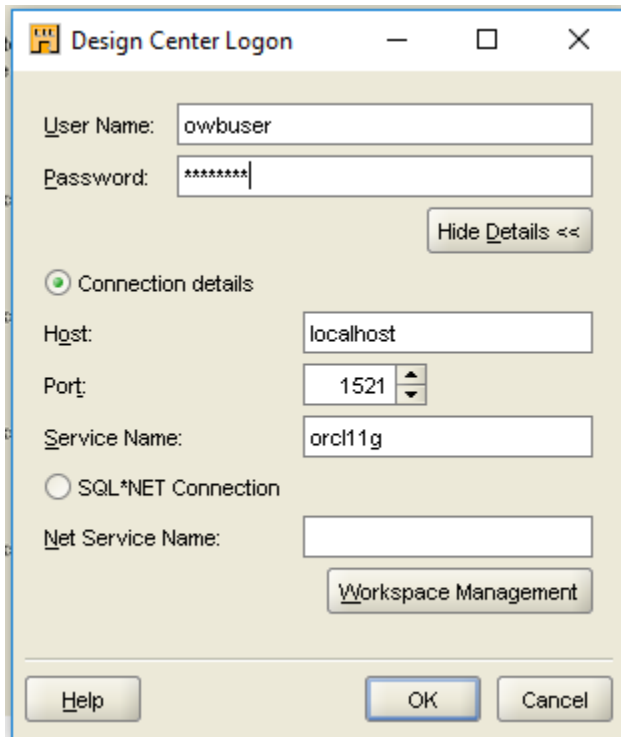


This implies successful implementation of Oracle Warehouse configuration and setup.

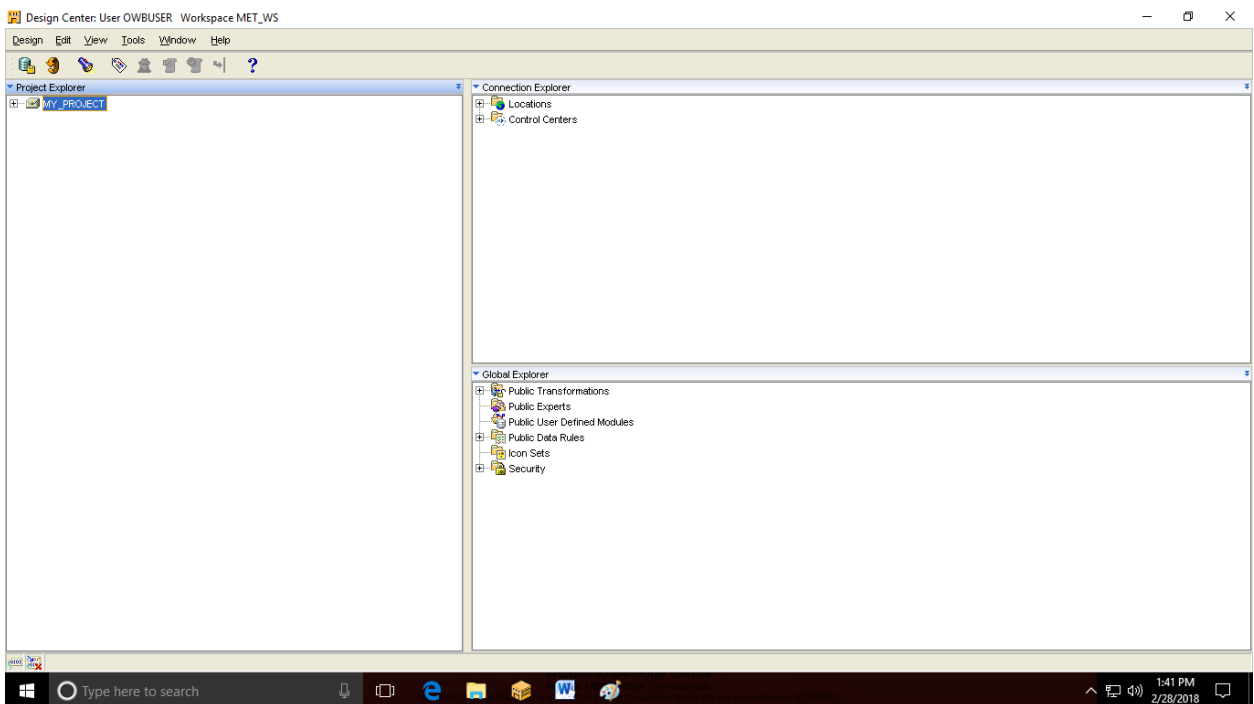
**** Make sure that OWBSYS account is unlocked in advance.**

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3) Now we can Login to Design Center



This is the same user which we created while creating workspace.



This is the interface using which we can create a warehouse.