

A large, abstract network diagram composed of numerous red circles of varying sizes connected by thin red lines. The circles are distributed across the page, with a higher density in the upper left and lower right areas, and a few scattered in the center. The lines represent connections between the nodes, creating a complex web-like structure.

Managed Advantage

PSMAG Solutions Document Library

Resetting Passwords for Managed Advantage Oracle Database

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1 Overview and Purpose

For security purposes, every new Oracle User Id in the Managed Advantage (MA) environment at the Phoenix Data Center is set to a default password, which must be changed after first login and every 90 days thereafter. Also, most all third-party software, e.g. DB Surfer, Toad, etc., will not connect until the Oracle password has been reset. These are the instructions on how to reset a password while using SQL Plus and SQL Developer.

Note: This document may contain screen prints from the various solutions. Minor changes may be made to the solution periodically that may cause slight discrepancies between the screen prints in the document and the actual site. Any functional changes or major enhancements will be updated in a new version of this document.

1.1 Revision History

	Date	Author	Description
0.1	10/10/2013	Raymond Chiu	Initial Document
0.2	10/16/2013	Wendy Bullard	Edited Document
0.3	10/30/2013	Wendy Bullard	Modifications
0.4	11/04/2013	Raymond Chiu	Edit
0.5	11/05/2013	Christie Metternich	Edit
0.6	11/05/2013	Wendy Bullard	Modifications
0.7	12/02/2014	Raymond Chiu	Modifications

2 Oracle Client Software Installation

The following instruction is for installing 32 bit Oracle client software on version 11g and 12c. Depends on the version of Oracle running on the server side. Choose the version that matches the Oracle server version, for example, the Oracle server is running on 11.2.3, you should install Oracle client 11g to your computer.

The 32 bit Oracle client can be installed on both 32 bit and 64 bit Windows. The 64 bit Oracle client installation is very similar. To install 64 bit Oracle client, you need to get the 64 bit Oracle client software and install to a different location than the 32 bit installation.

2.1 Installation of Oracle 11g Client Software

Oracle client installation software can be downloaded from PSMAG server under the following directory:

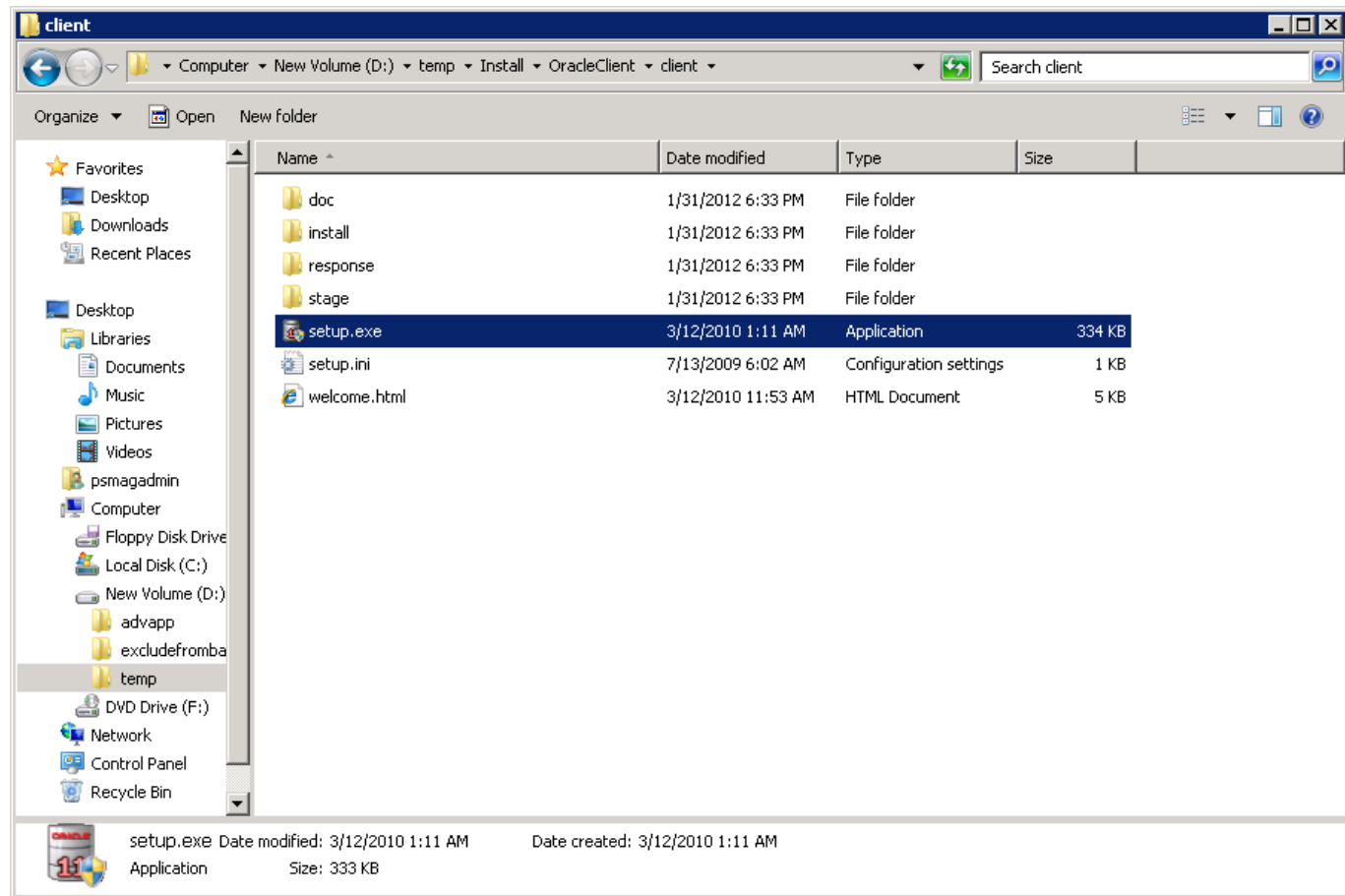
`\excludefrombackup\PSMAG\InstallationSoftware\OracleClient11gR2-Windows-32bit\V20609-01.zip`

Create the following temporary directory on your local computer for the installation:

C:\temp\Install\OracleClient-32bit

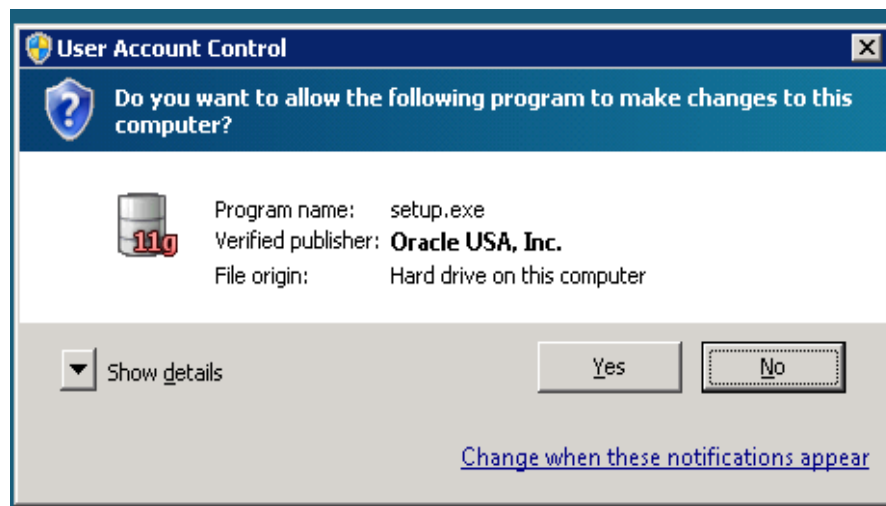
Unzip the contents of the installation zip file to the directory that you just created.

Change the directory to **C:\temp\Install\OracleClient-32-bit\client**

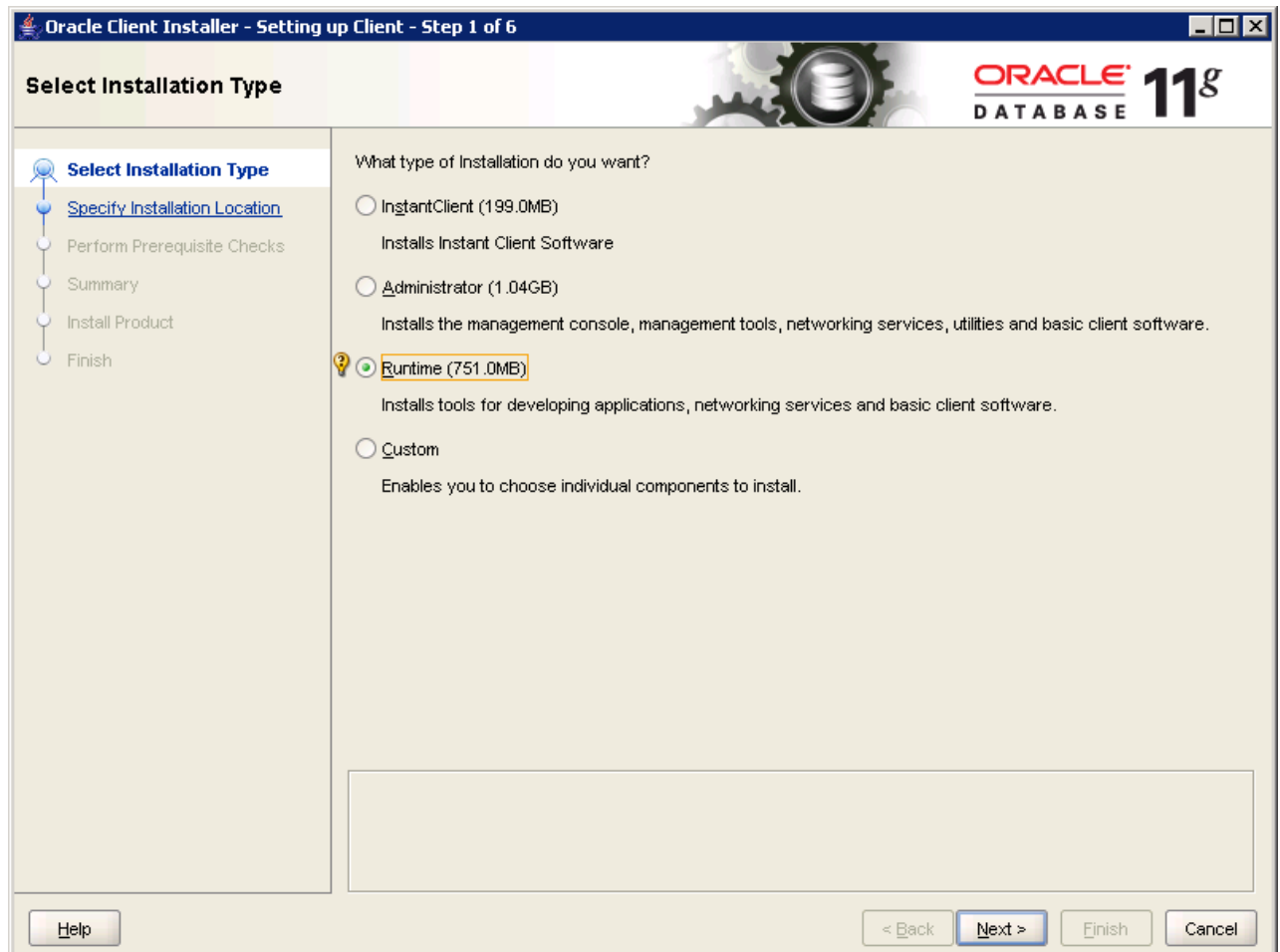


To begin the installation, double click **setup.exe**

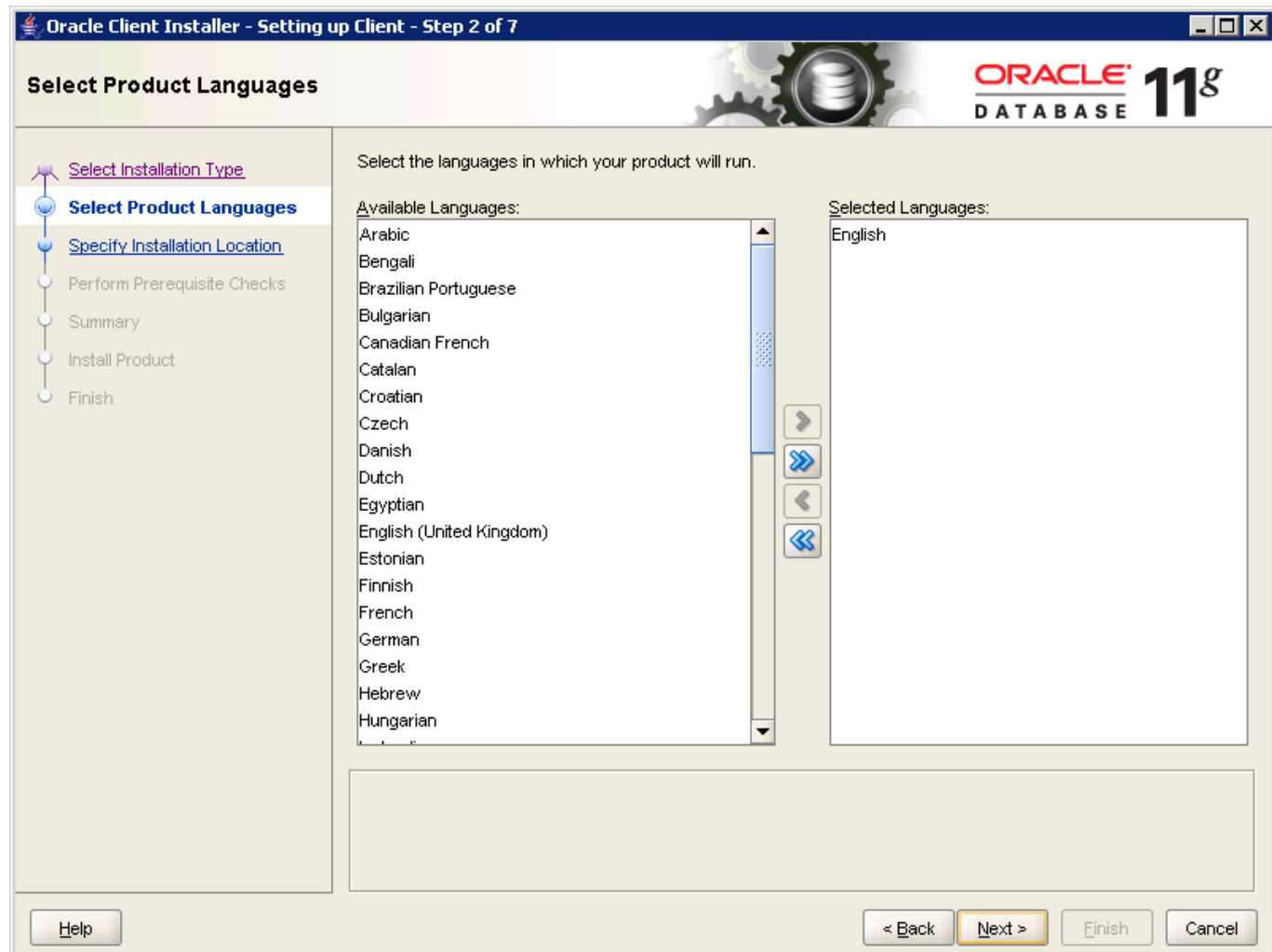
Click Yes when asked to trust Oracle:



Wait until Oracle Client Installer is started and select Runtime installation and click Next:



Confirm that English is selected as the language and click Next:



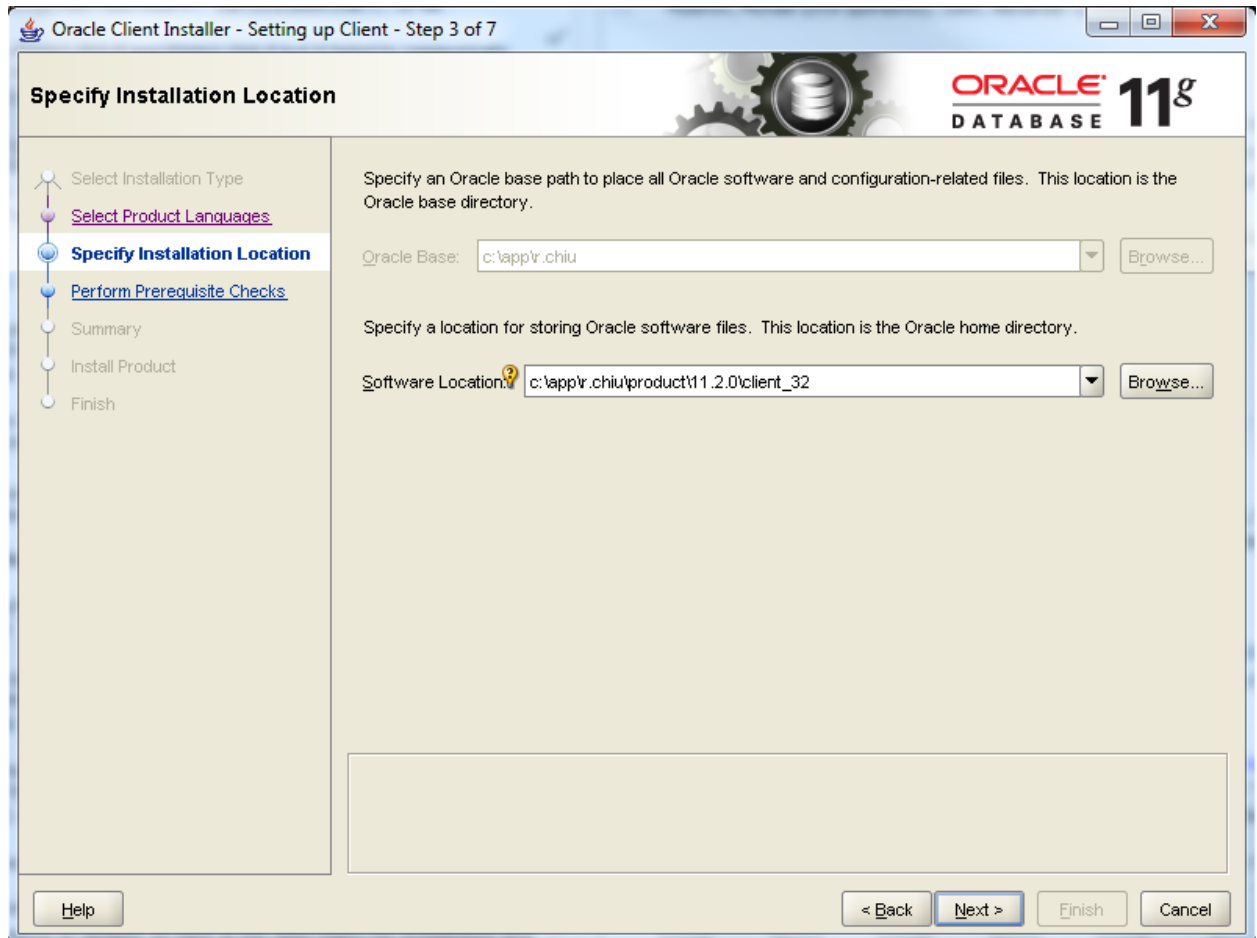
In the specify Home Details window, confirm the following

Oracle Base: C:\app\<your windows login id>

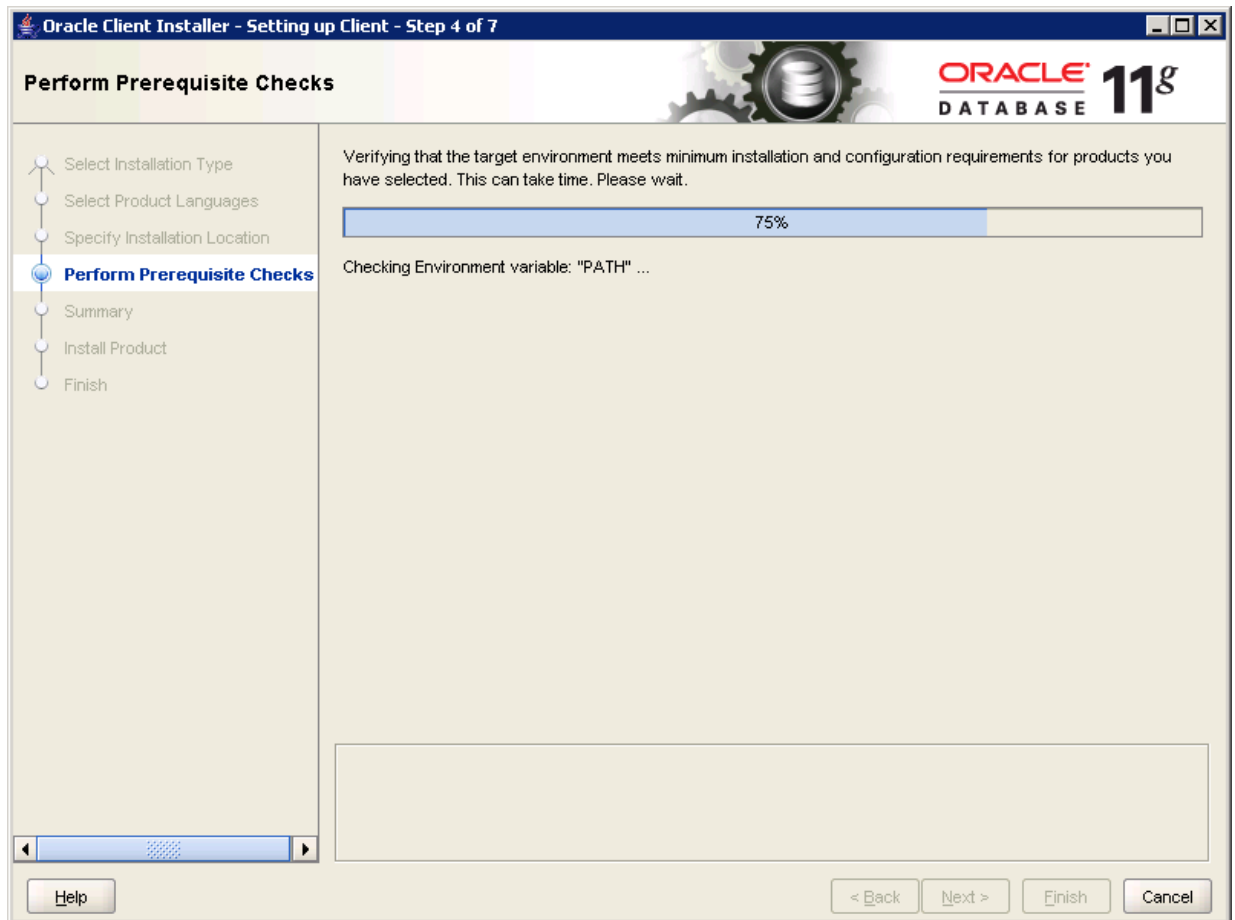
Change the software Location Path to:

C:\app\<your windows login id>\product\11.2.0\client_32

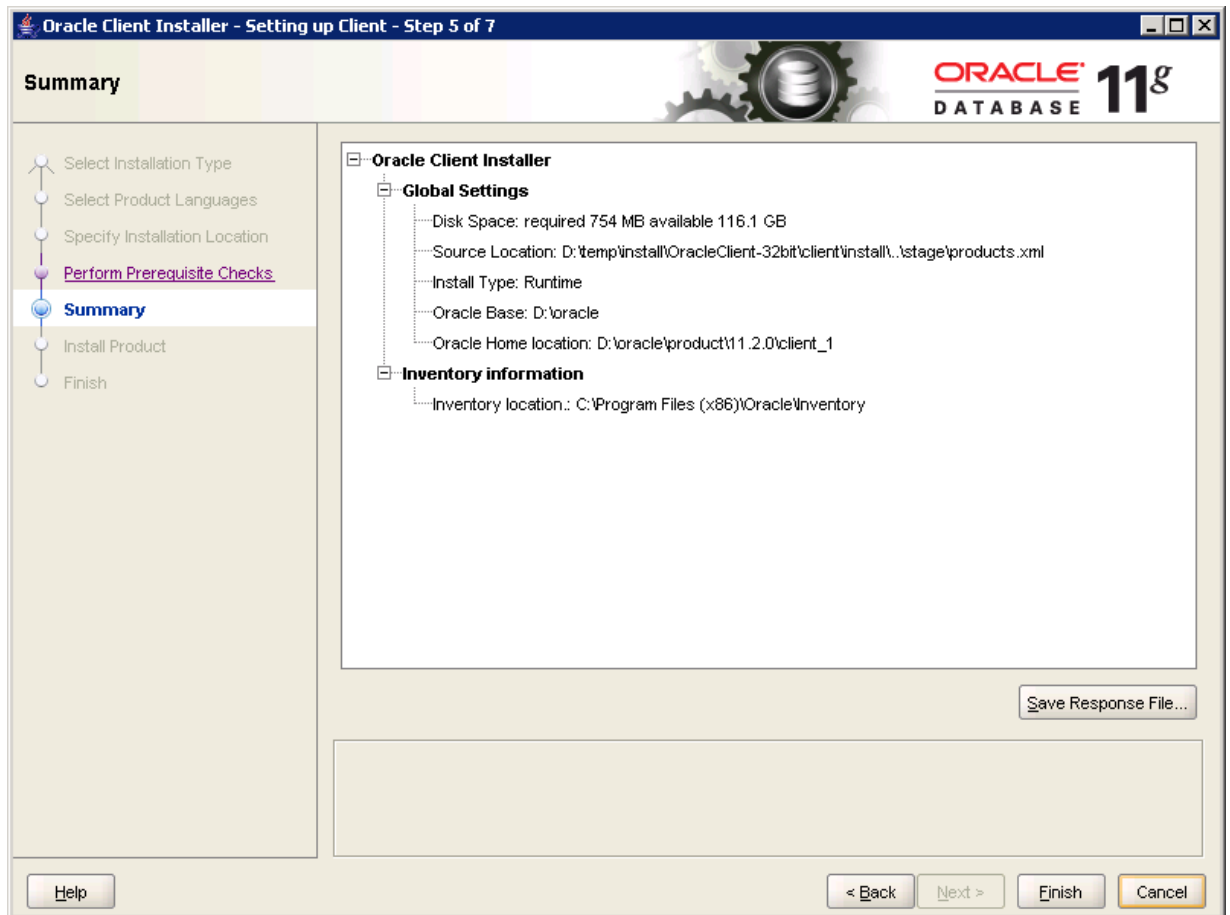
Click **Next**



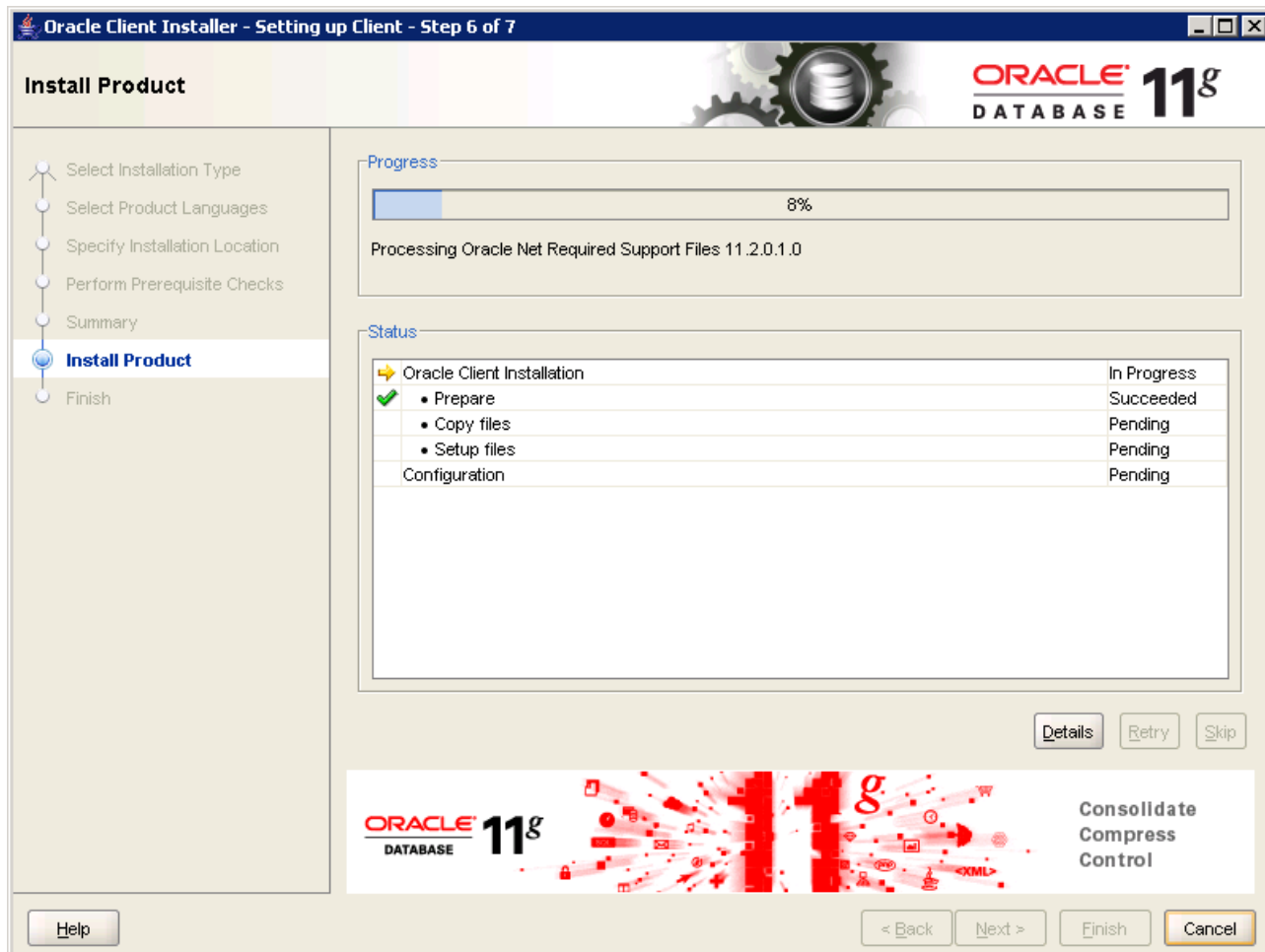
Wait for the pre-requisite checks to complete:



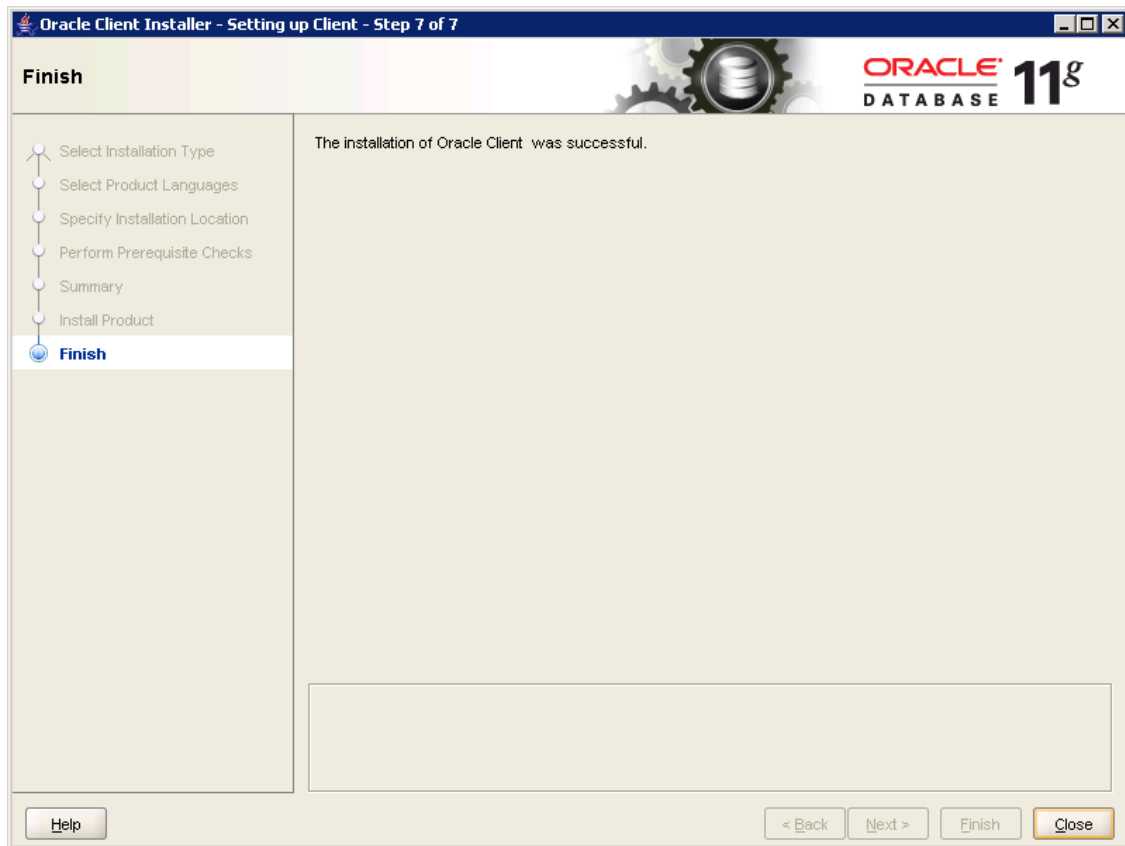
Review the summary screen and click Finish:



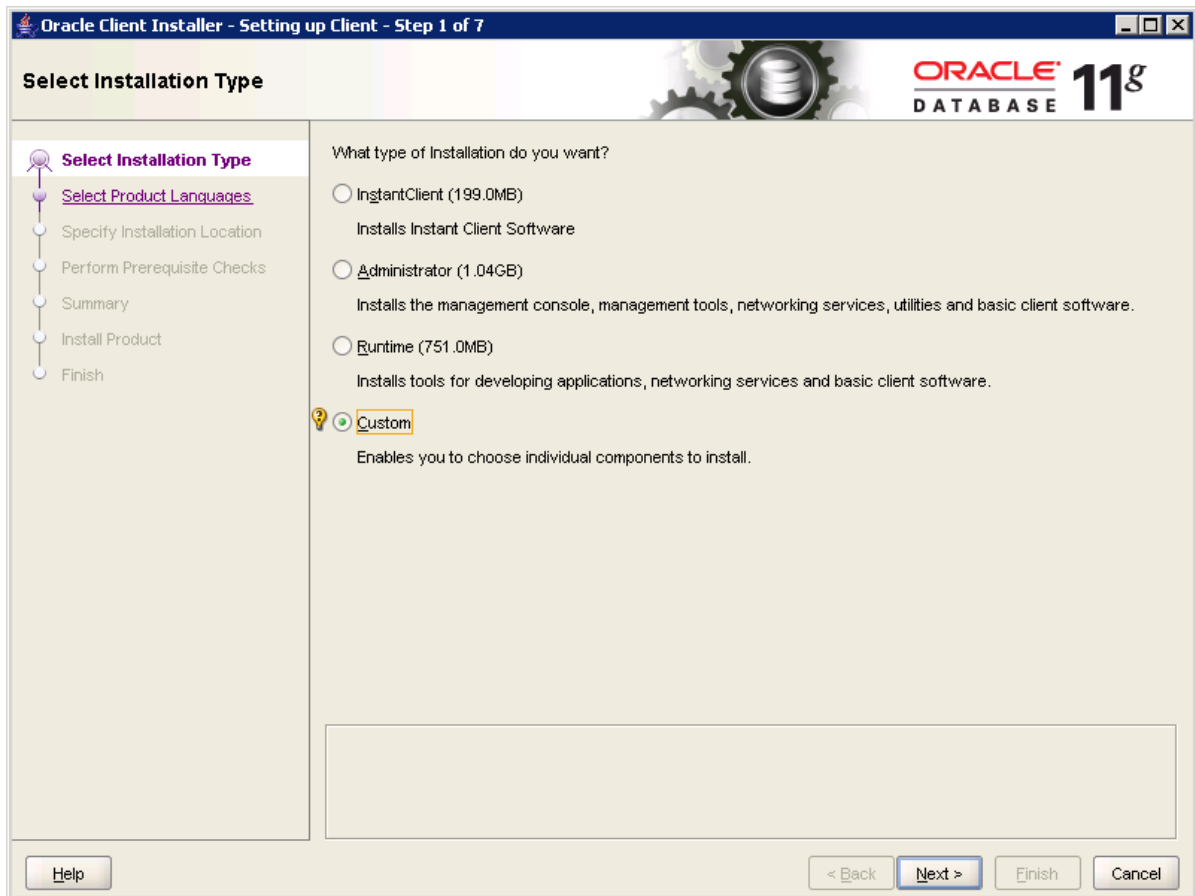
Wait for the installation to complete:



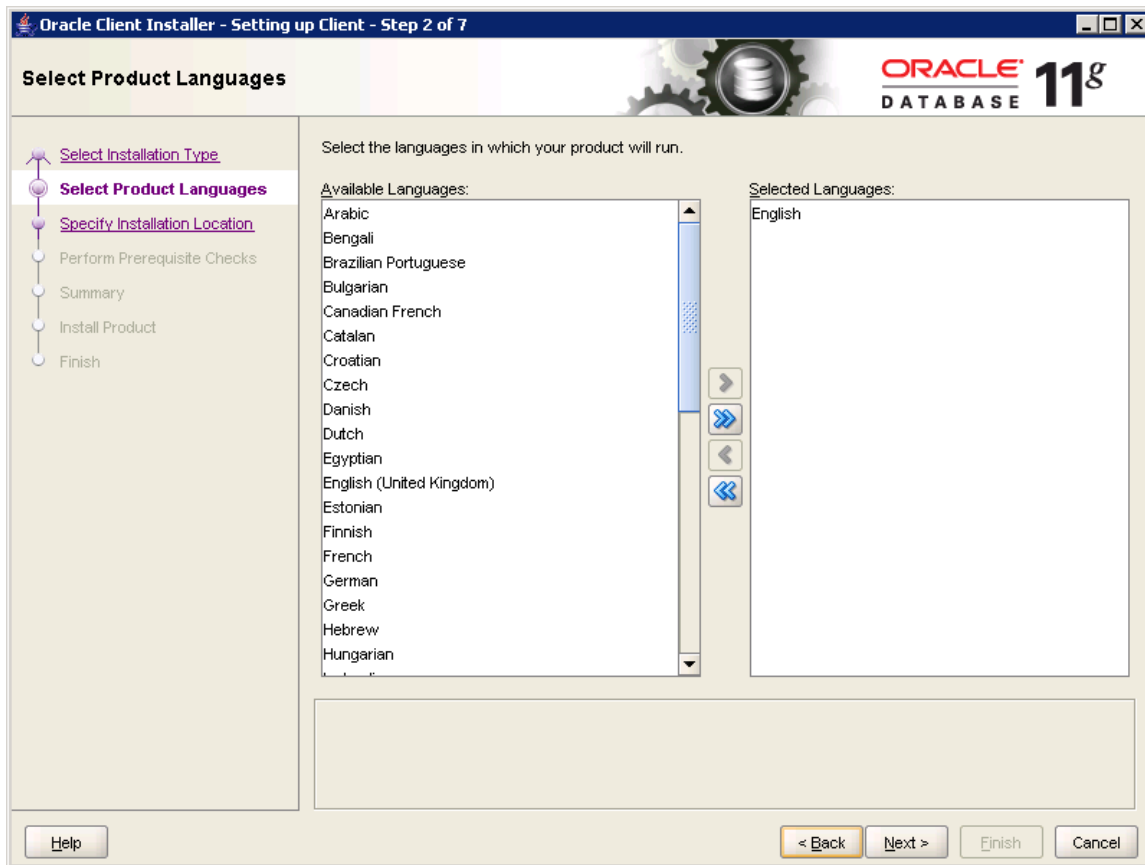
Click Close:



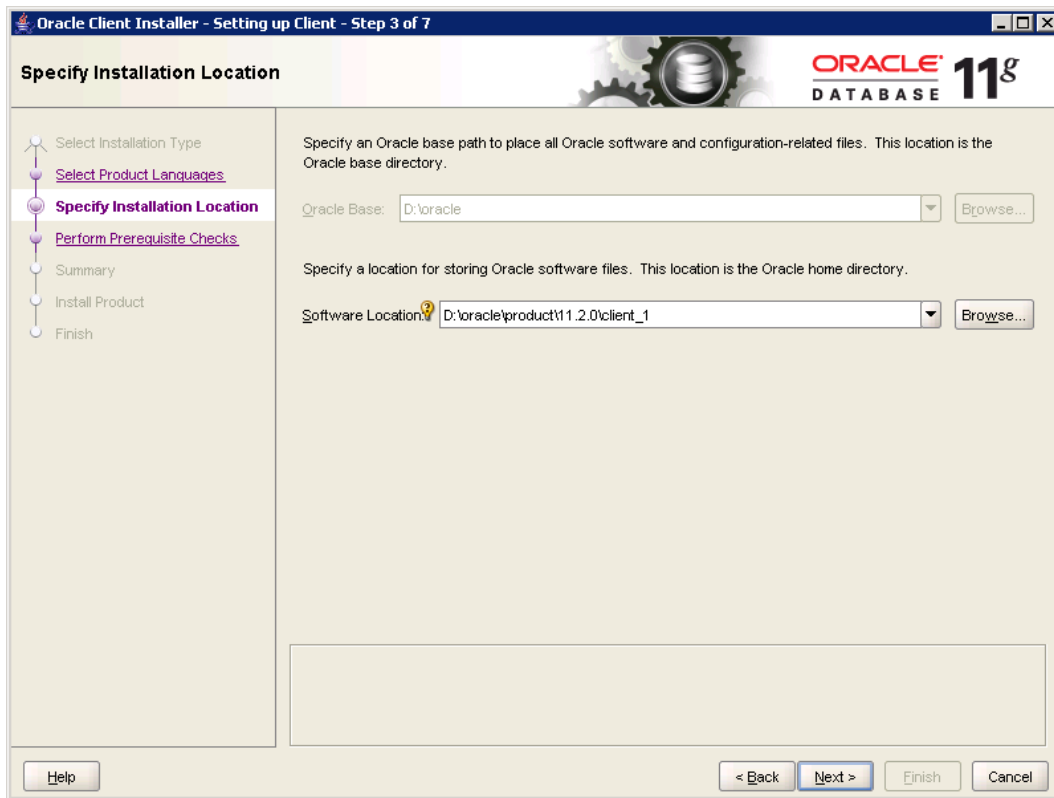
Run the installation program a second time, selecting Custom from the installation type and select Next:



Confirm that English is selected as the language:

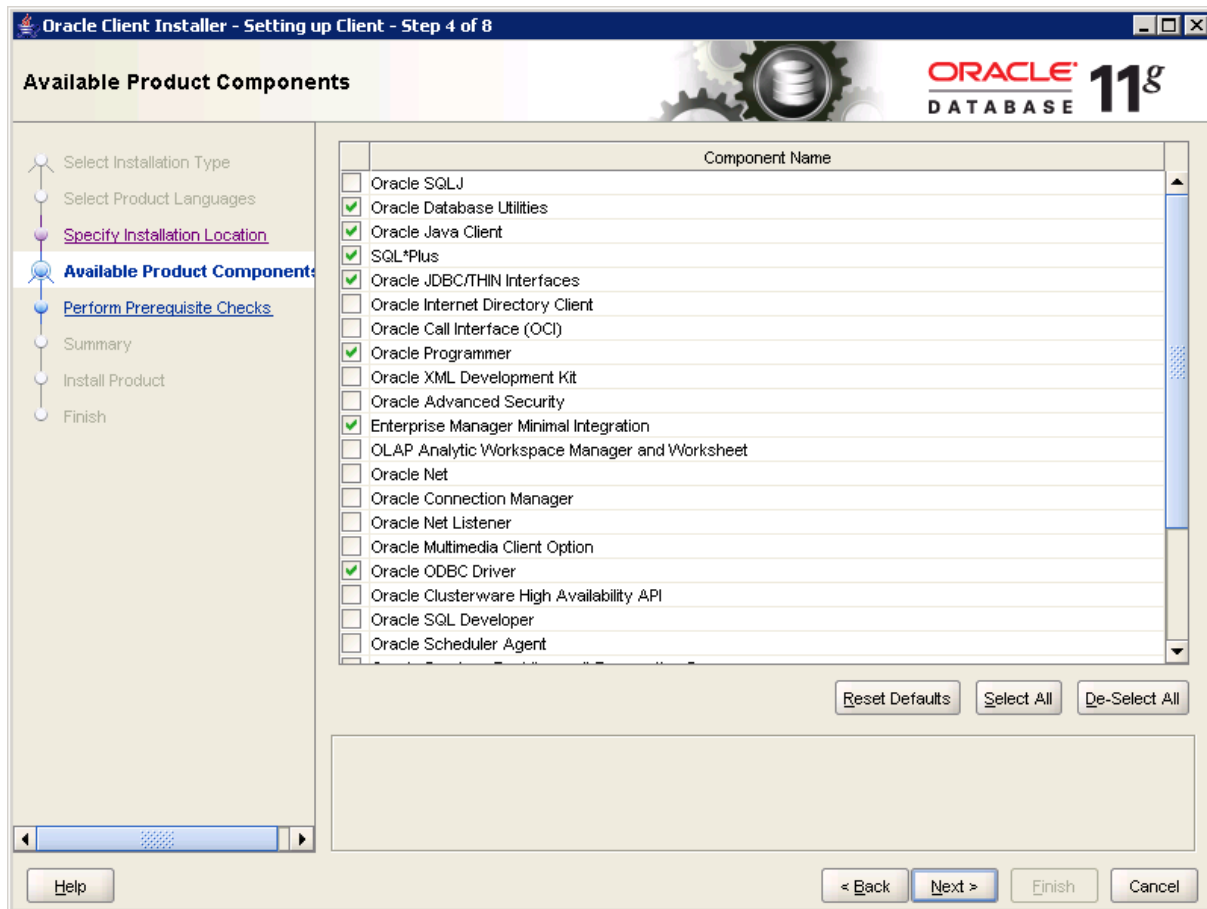


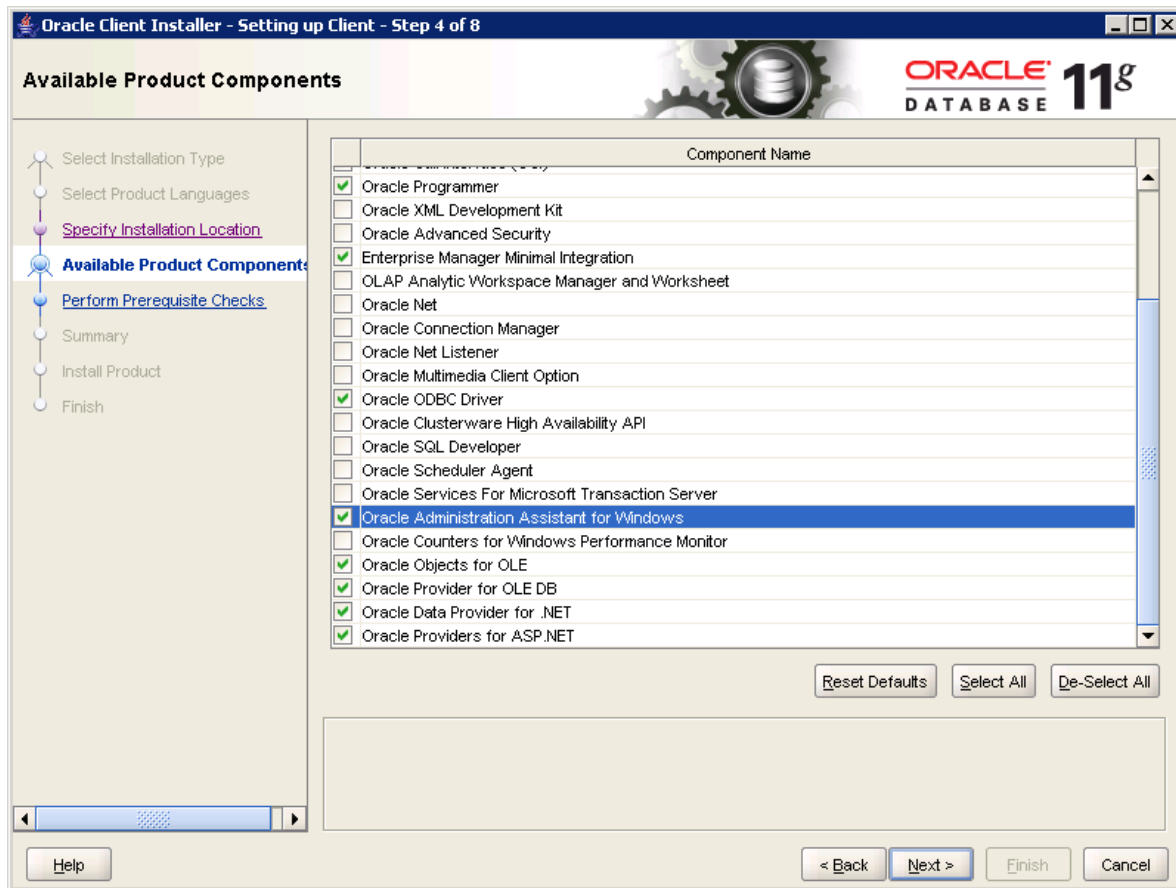
Click on the Software Location drop down and select the existing location. The Oracle Base field will be greyed out. **Do NOT enter a new location at this step.** Click Next:



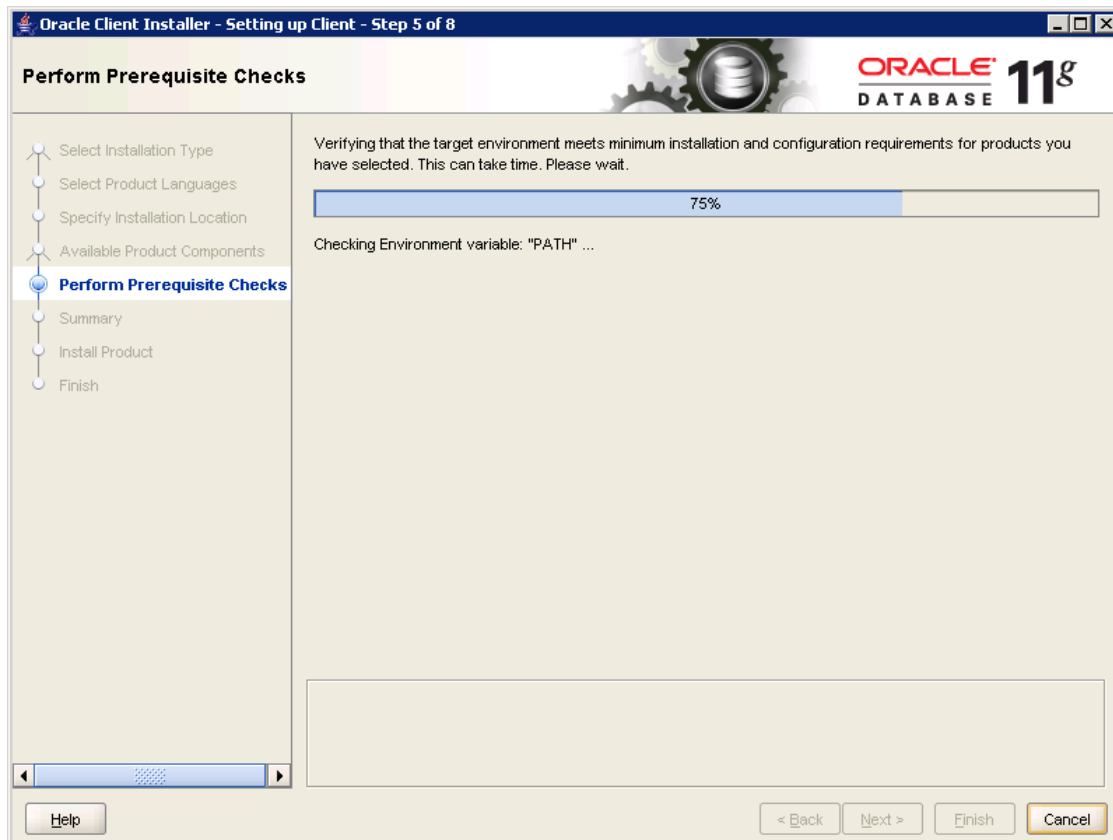
In the Available Product Components window select the following components and click **Next**:

- Select Oracle Database Utilities
- Select Oracle Java Client
- Select SQL*Plus
- Select Oracle JDBC/THIN Interfaces
- Select Oracle Programmer
- Select Enterprise Manager Minimal Integration
- Select Oracle ODBC Driver
- Select Oracle Administration Assistant for Windows
- Select Oracle Objects for OLE
- Select Oracle Provider for OLE DB
- Select Oracle Data Provider for .NET
- Select Oracle Providers for ASP.NET

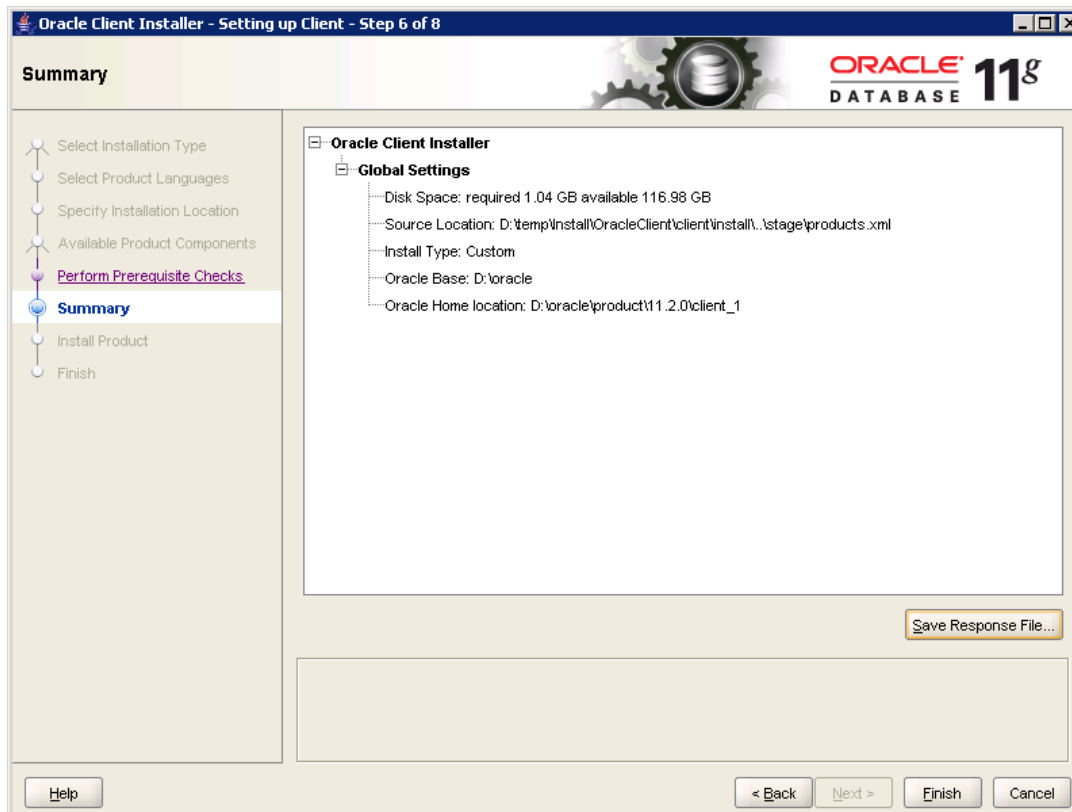




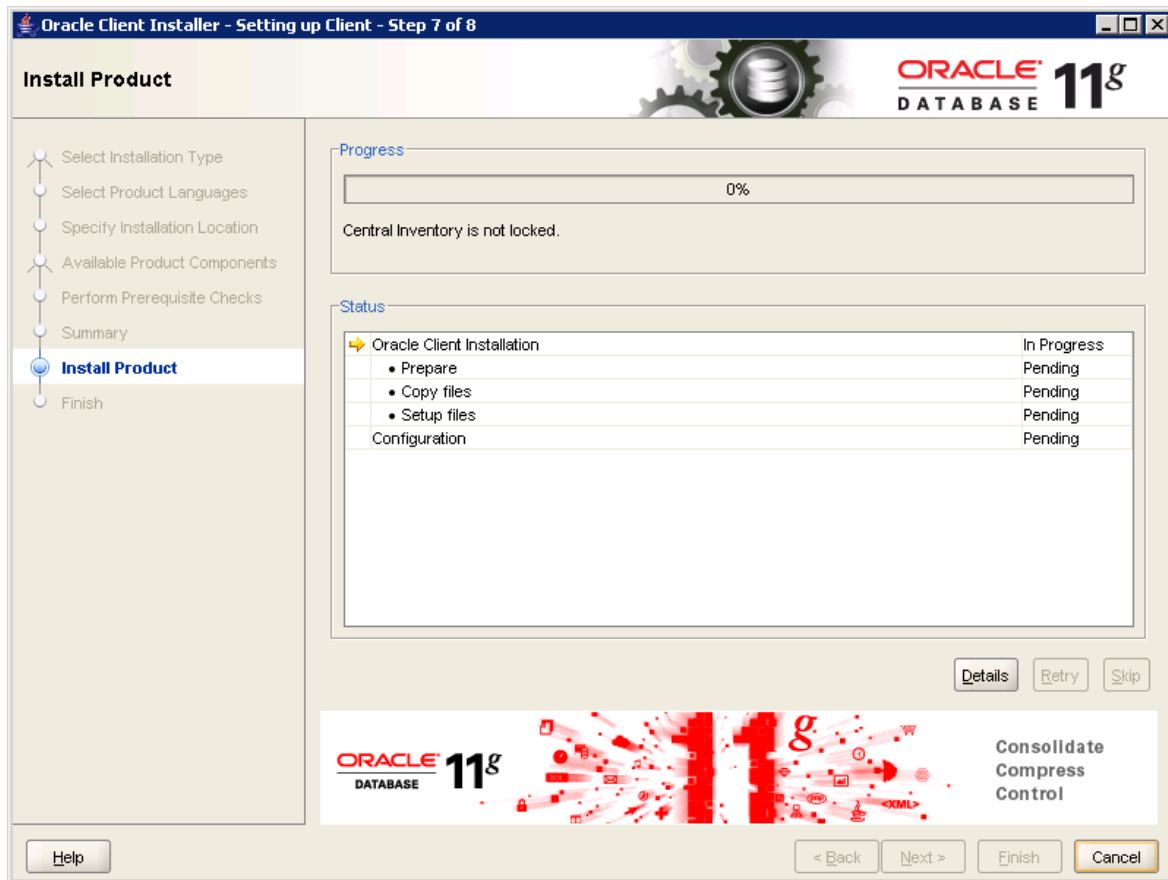
Wait for the prerequisite check to complete:



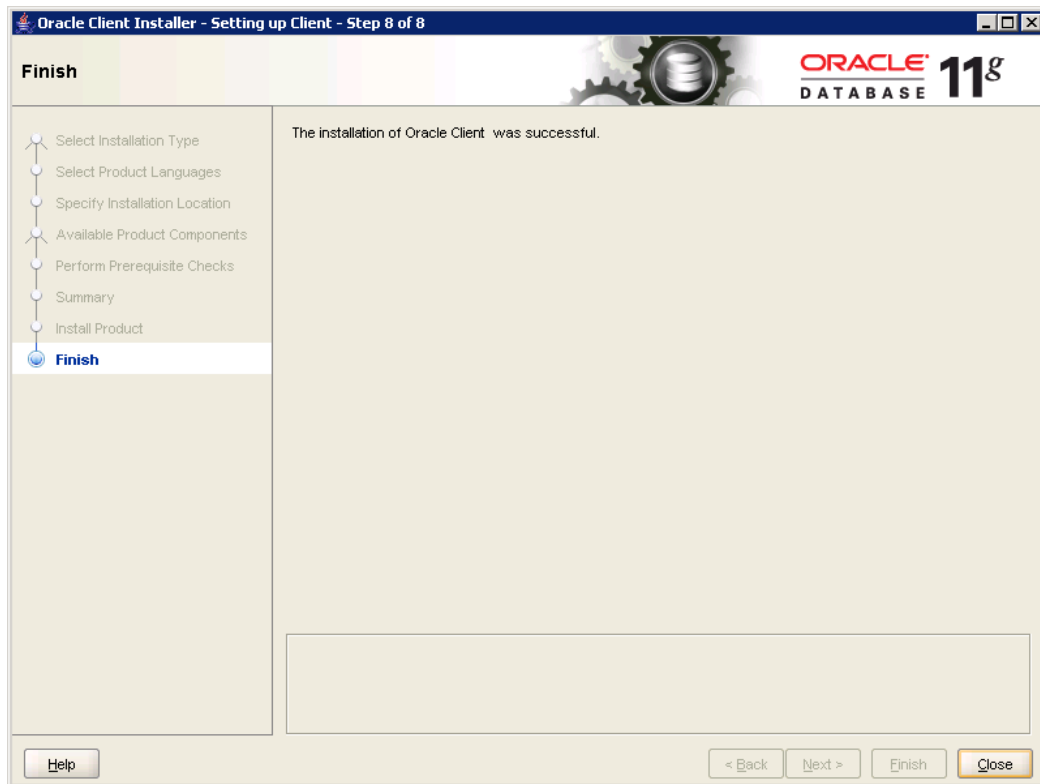
Review the summary and click Finish:



Wait for the installation to complete:



Click Close when complete:



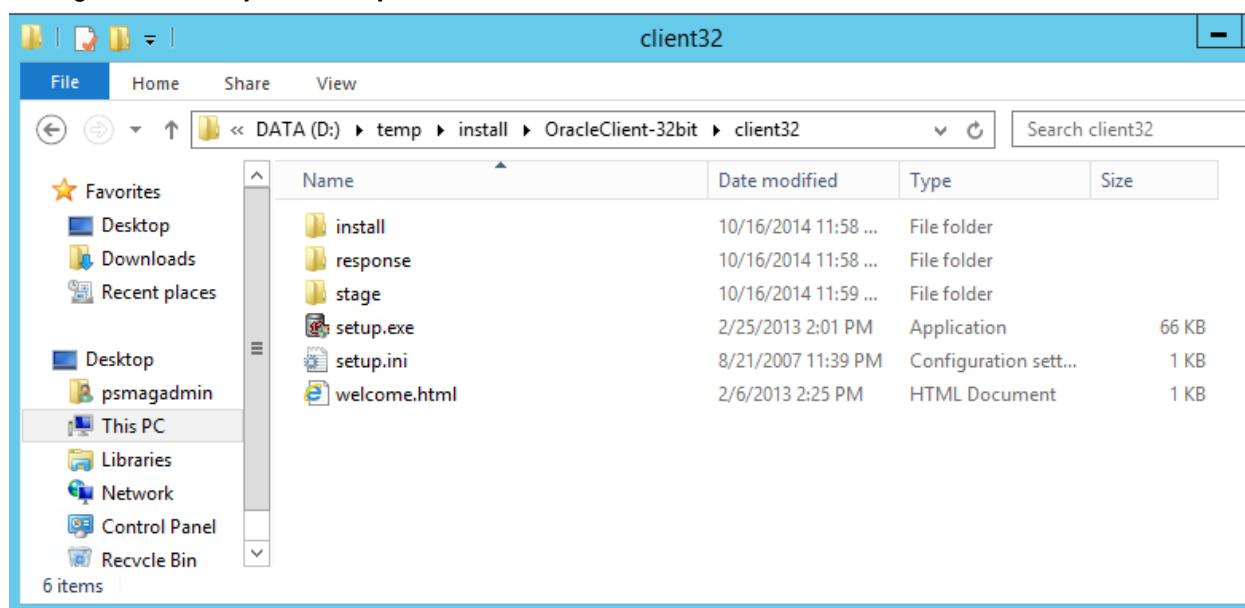
2.2 Installation of Oracle 12c Client Software

\excludefrombackup\PSMAG\InstallationSoftware\OracleClient12c-Windows-32bit\winnt_12102_client32.zip

Create the following temporary directory for the installation: **C:\temp\Install\OracleClient-32bit**

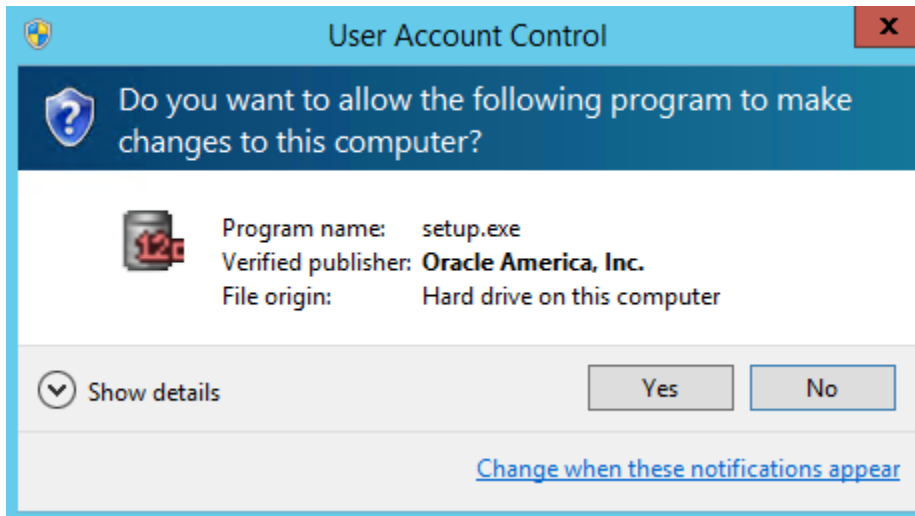
Unzip the contents of the installation zip file to the directory that you just created.

Change the directory to **C:\temp\Install\OracleClient-32-bit\client32**

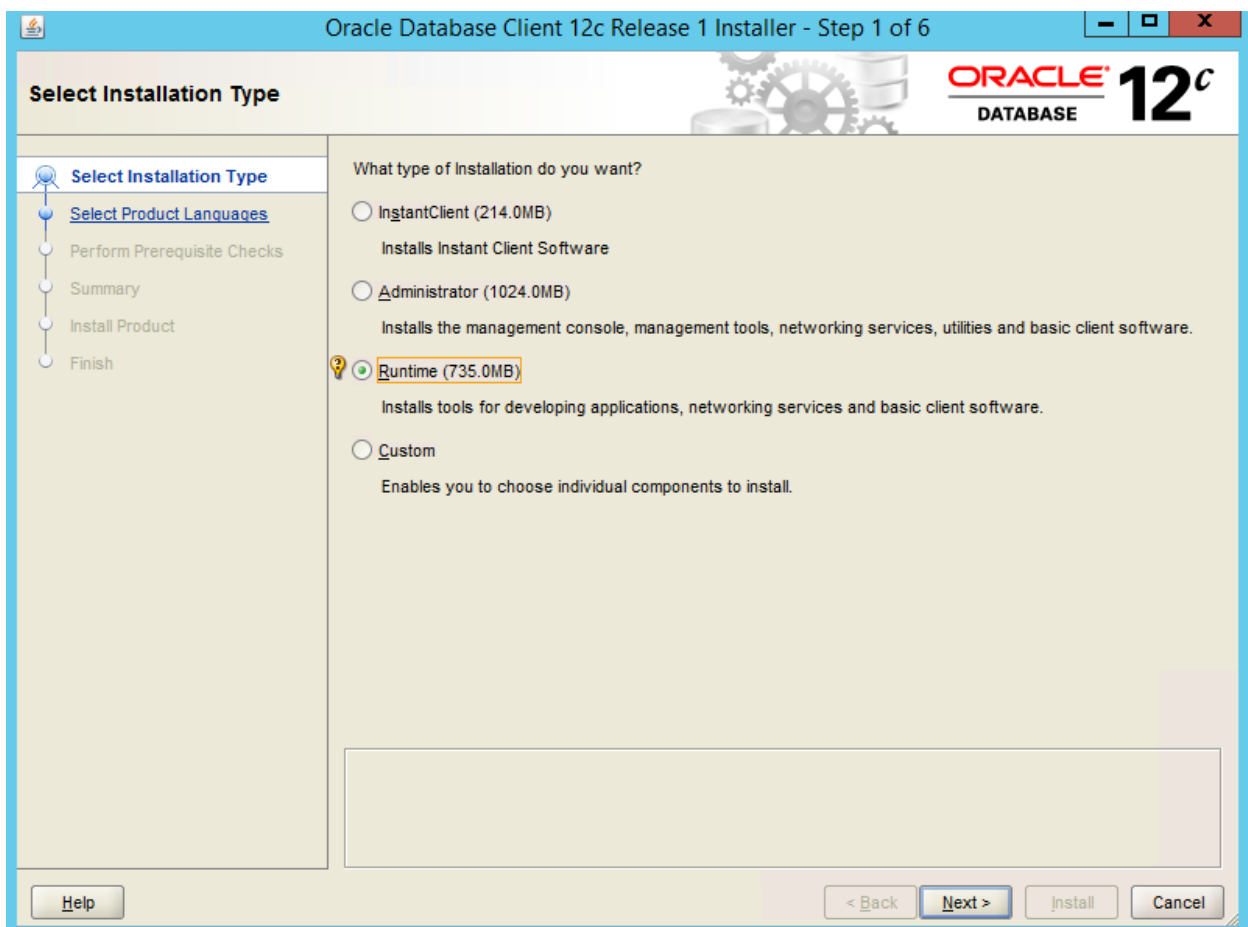


To begin the installation, right click **setup.exe**, select Run as Administrator

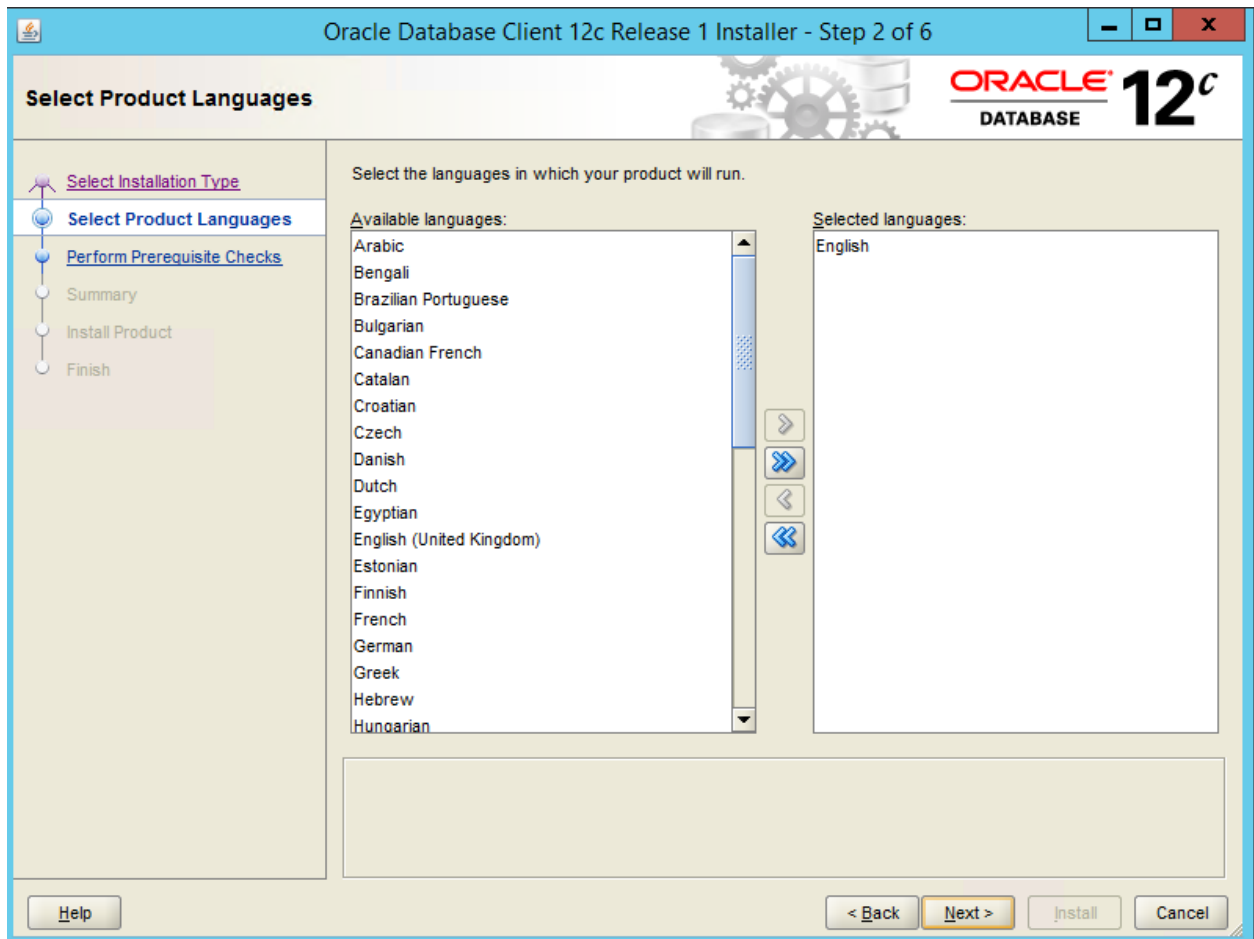
Click Yes when asked to trust Oracle:



Wait until Oracle Client Installer is started and select Runtime installation and click Next:



Confirm that English is selected as the language and click Next:



Select "Create New Window User", then enter below account information, then click Next
User Name: <Put in a user name you want to use, for example, oracleuser>
Password: <Put in a password you want to use>

Oracle Database Client 12c Release 1 Installer - Step 3 of 8

Specify Oracle Home User

Use Windows Built-in Account or specify a standard Windows User Account (not an Administrator account) to install and configure the Oracle Home. This account is used for running the Windows Services for the Oracle Home. Do not log in using this account to perform administrative tasks.

☐ Use Existing Windows User

User Name:

Password:

☒ Create New Windows User

User Name:

Password:

Confirm Password:

The newly created user is denied Windows login privileges.

☐ Use Windows Built-in Account

Help < Back Next > Install Cancel

In the specify Home Details window, enter the following

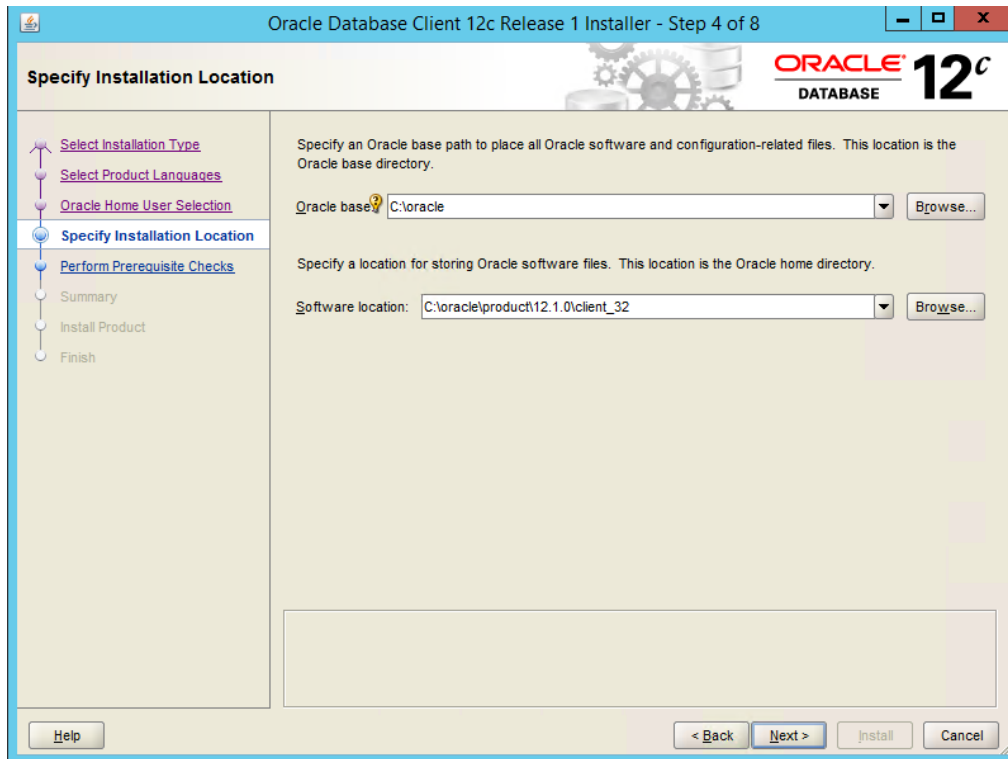
In the specify Home Details window, confirm the following

Oracle Base: C:\app\<your windows login id>

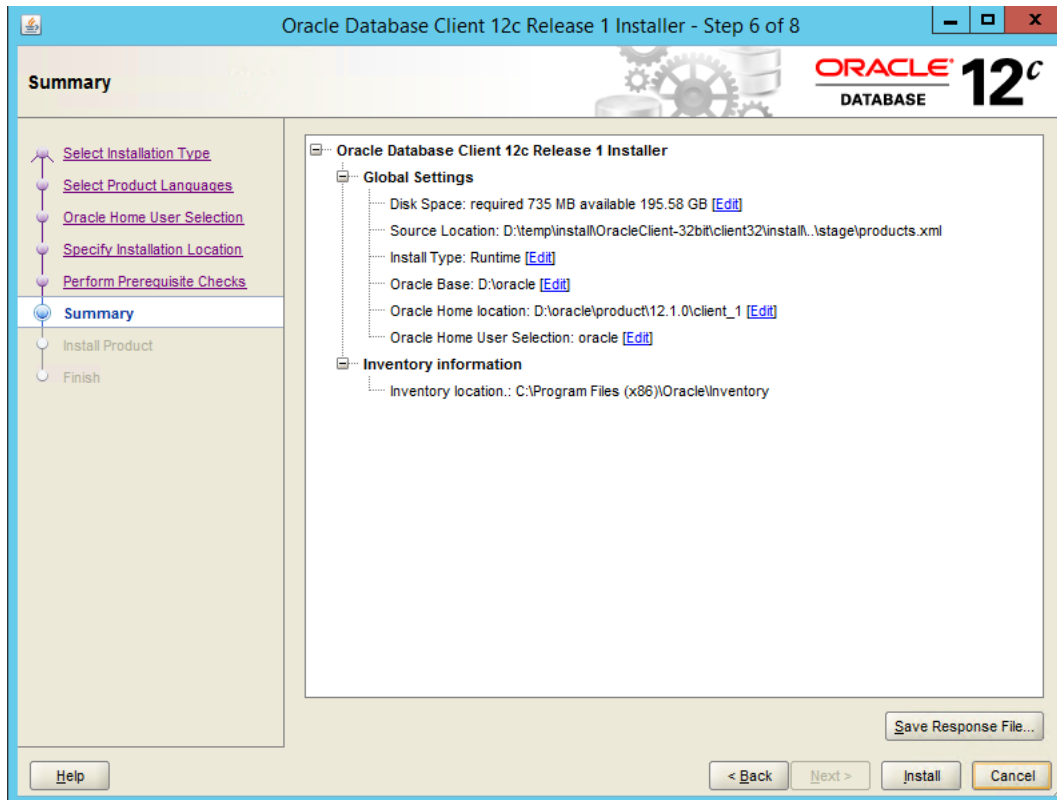
Change the software Location Path to:

C:\app\<your windows login id>\product\12.1.0\client_32

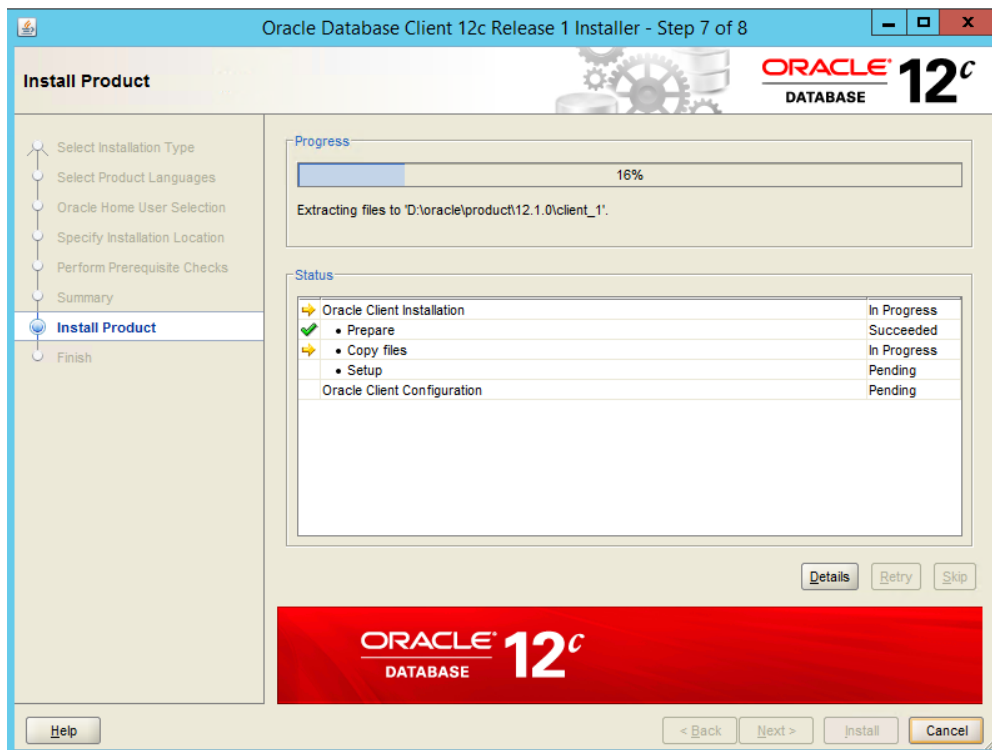
Click **Next**



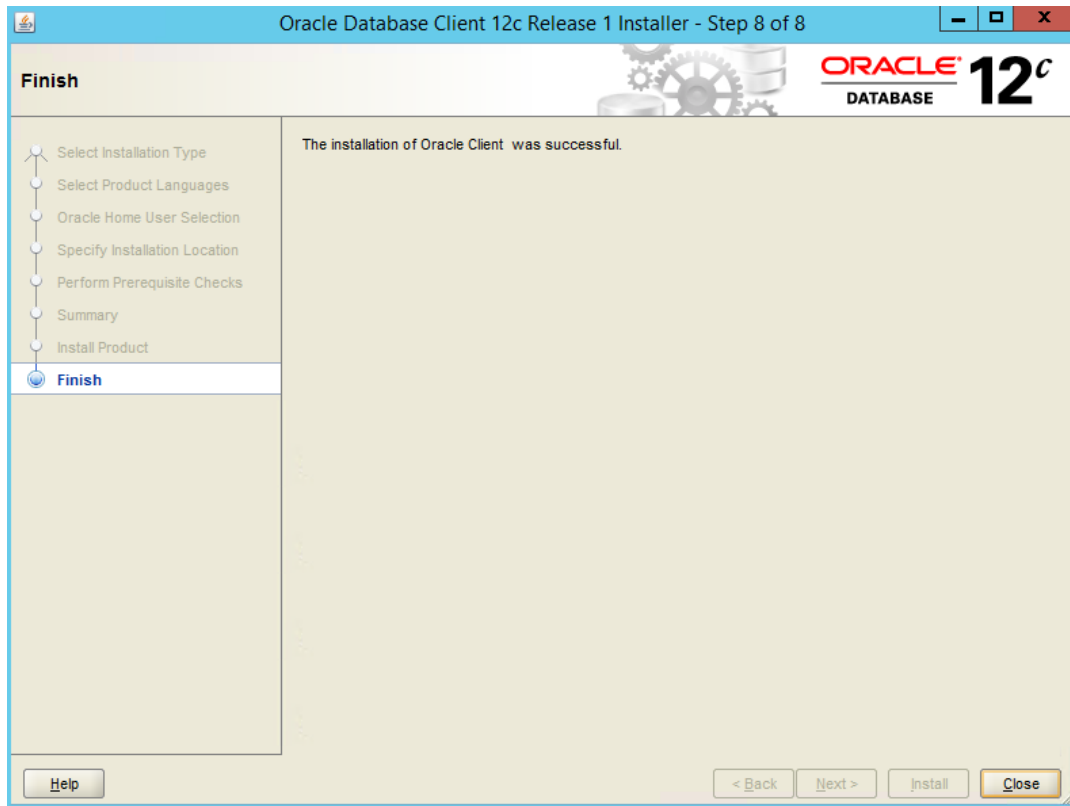
Wait for the pre-requisite checks to complete:
Review the summary screen and click Install:



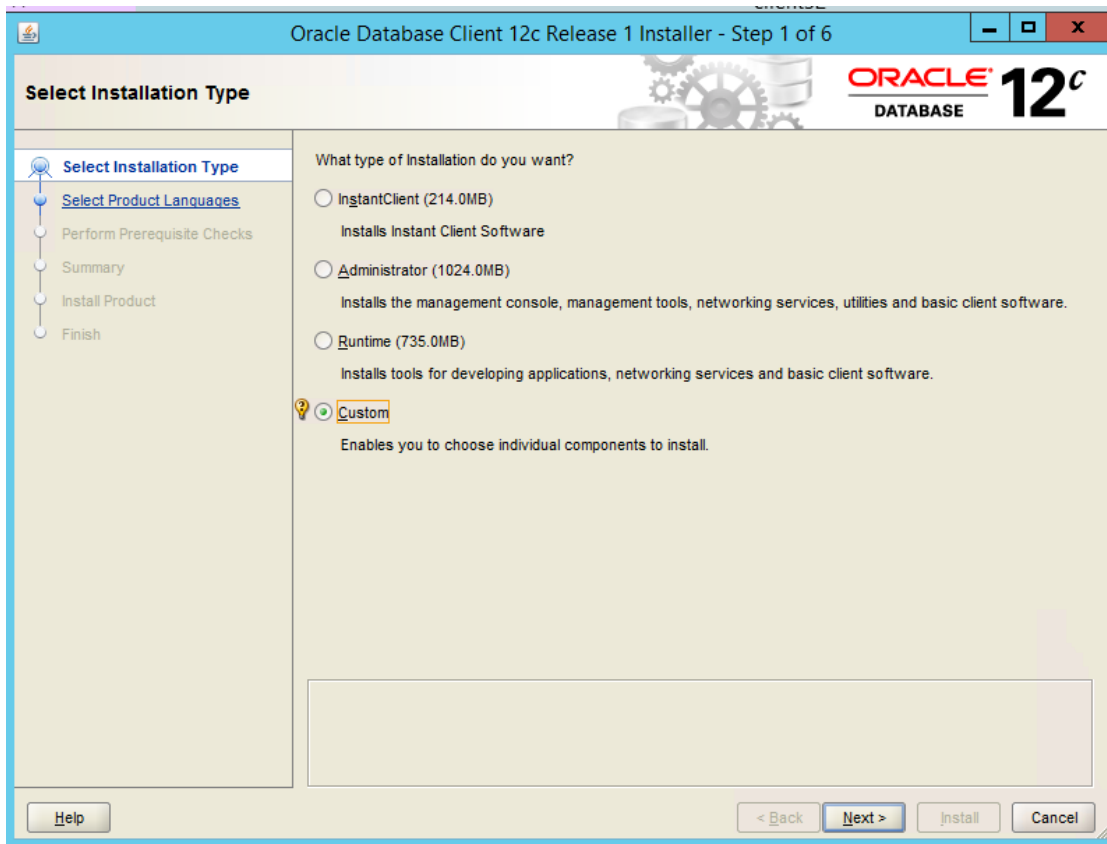
Wait for the installation to complete:



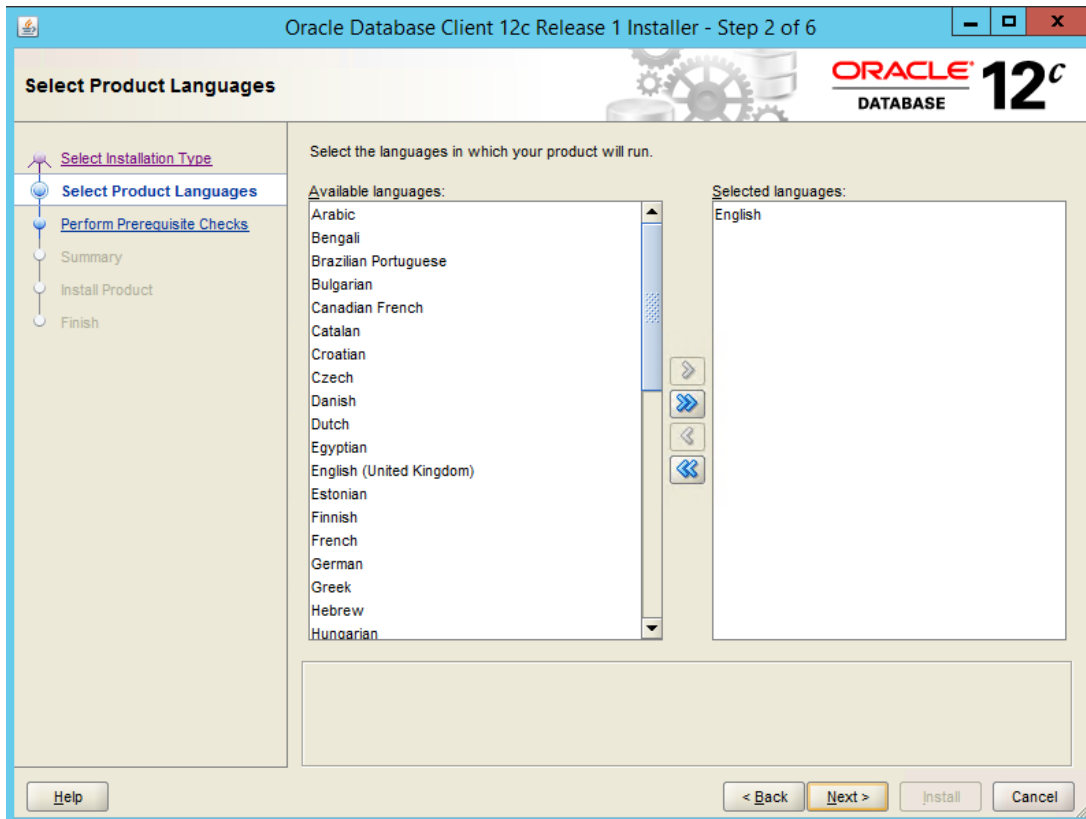
Click Close:



Run the installation program a second time, selecting Custom from the installation type and select Next:



Confirm that English is selected as the language:



Select "Use Existing Window User", then enter below information, click Next

User Name: <Put in the user name you provided at the earlier step>

Password: <Put in the password you provided at the earlier step>

Oracle Database Client 12c Release 1 Installer - Step 3 of 8

Specify Oracle Home User

Use Windows Built-in Account or specify a standard Windows User Account (not an Administrator account) to install and configure the Oracle Home. This account is used for running the Windows Services for the Oracle Home. Do not log in using this account to perform administrative tasks.

☒ Use Existing Windows User

User Name:

Password:

☐ Create New Windows User

User Name:

Password:

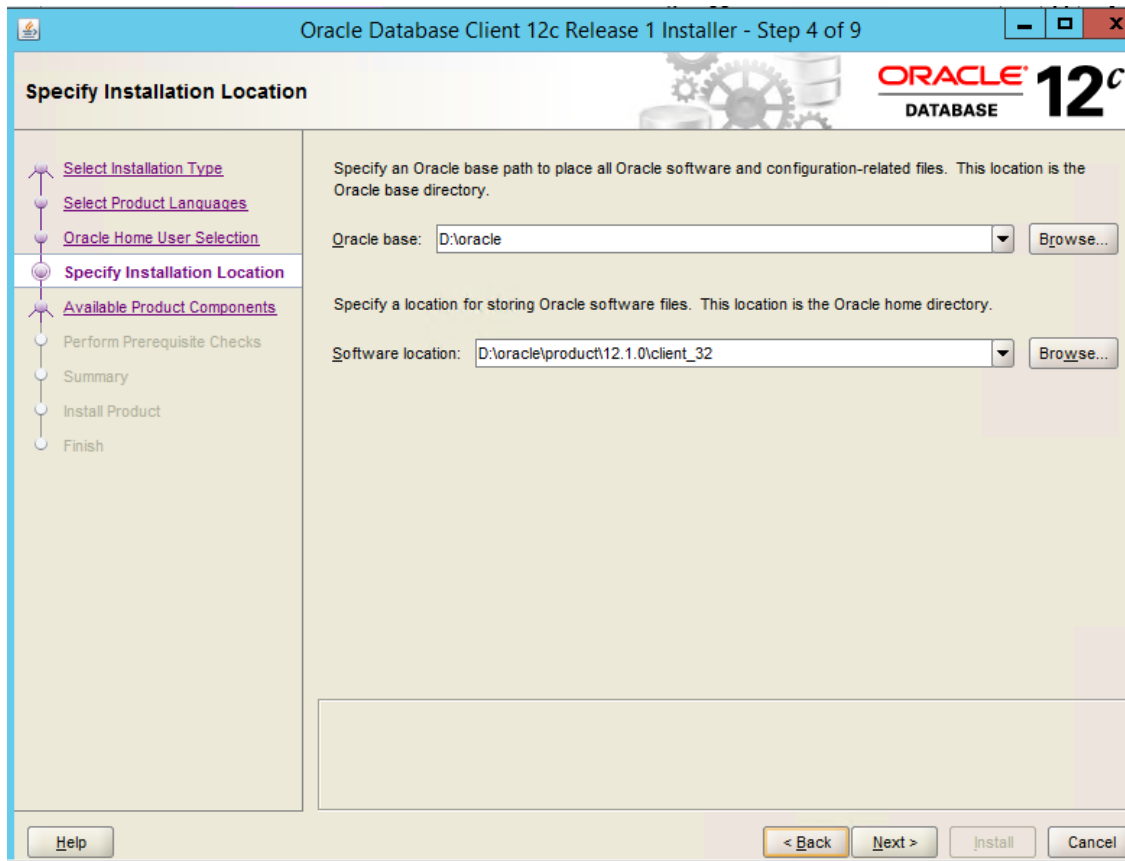
Confirm Password:

The newly created user is denied Windows logon privileges.

☐ Use Windows Built-in Account

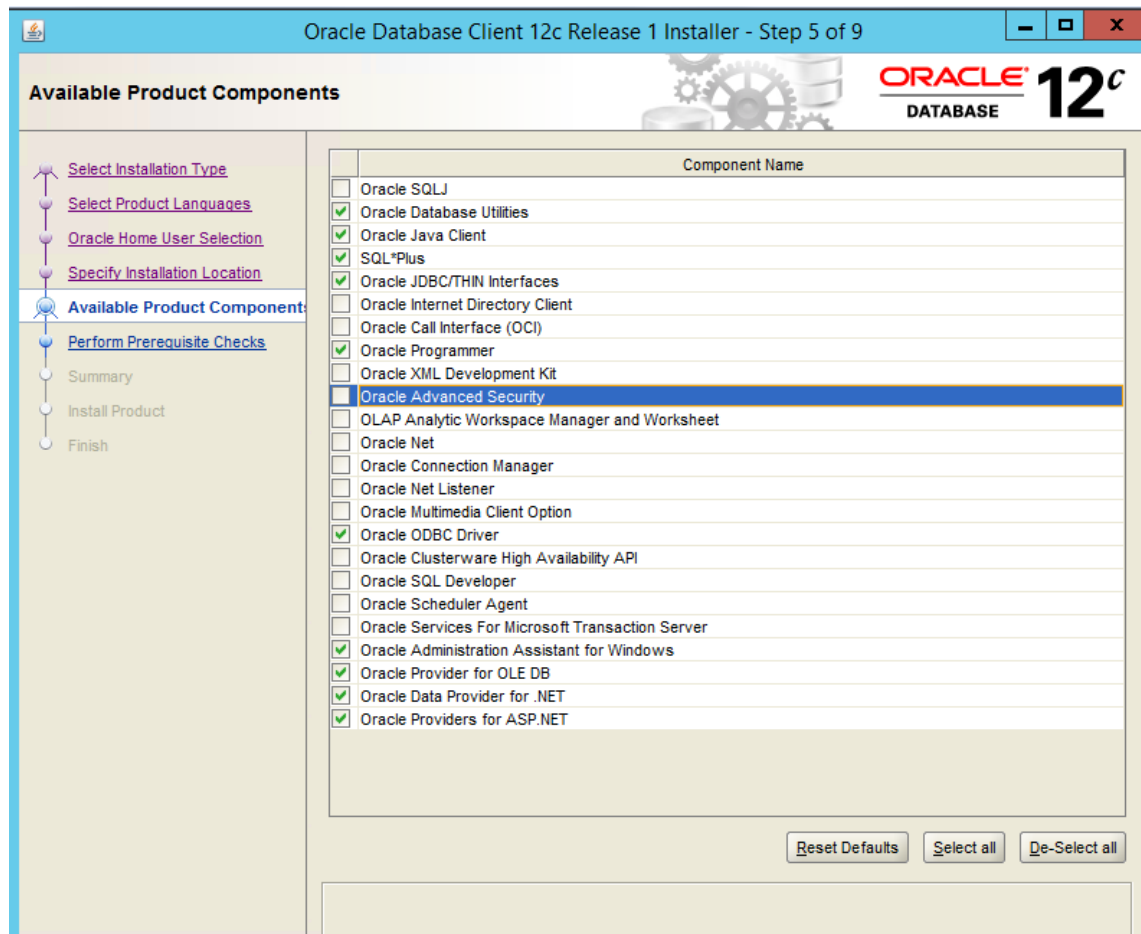
Help < Back Next > Install Cancel

Click on the Software Location drop down and select the existing location. The Oracle Base field will be greyed out. **Do NOT enter a new location at this step.** Click Next:

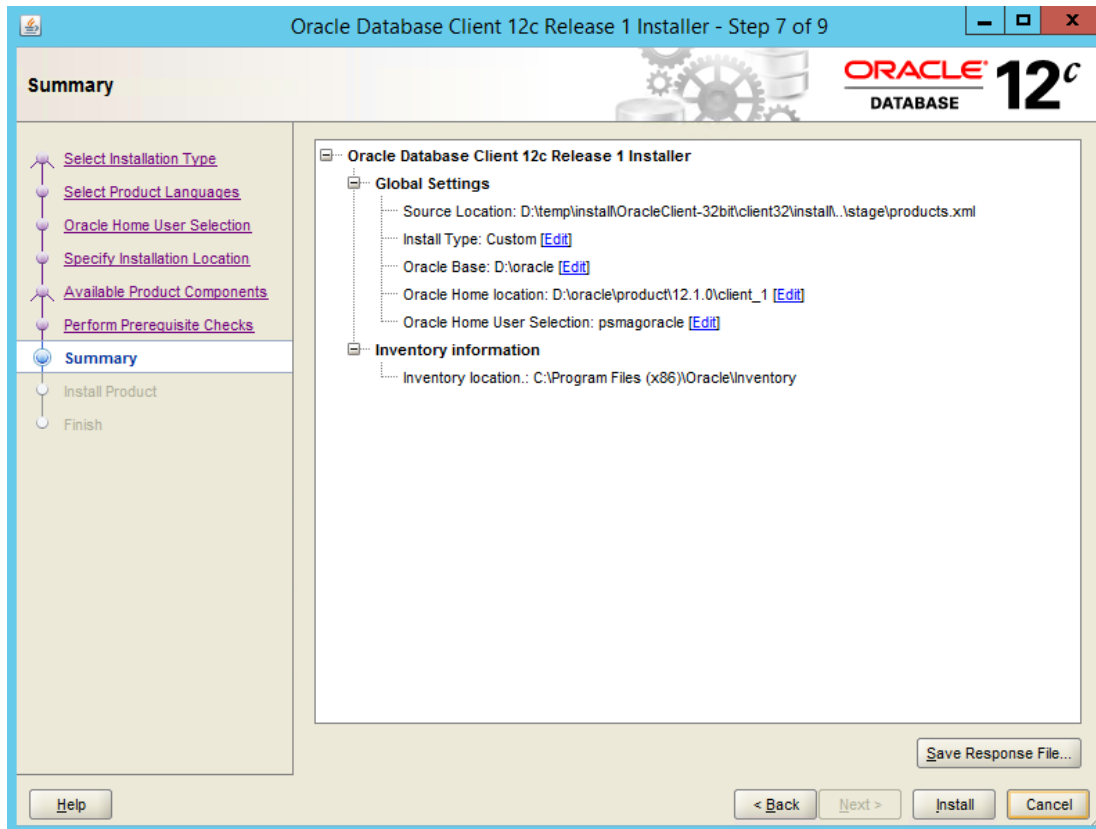


In the Available Product Components window select the following components and click **Next**:

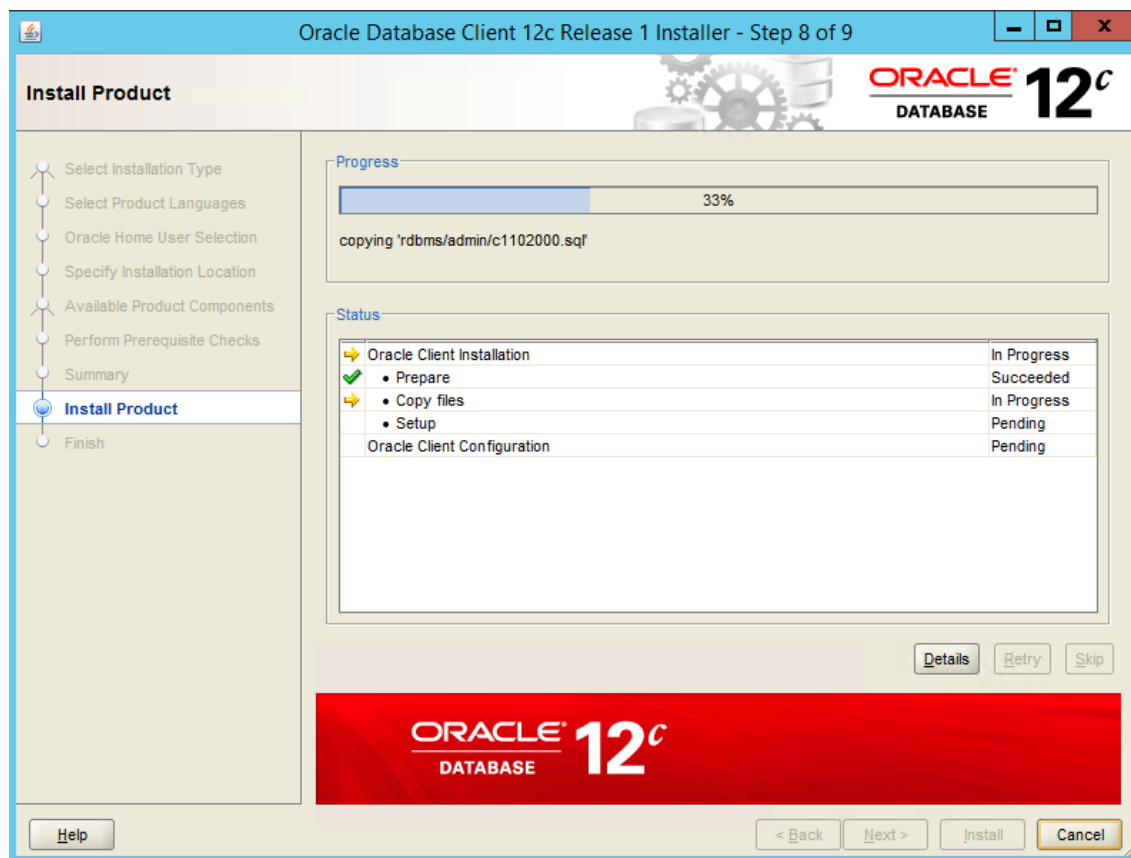
- Select Oracle Database Utilities
- Select Oracle Java Client
- Select SQL*Plus
- Select Oracle JDBC/THIN Interfaces
- Select Oracle Programmer
- Select Oracle ODBC Driver
- Select Oracle Administration Assistant for Windows
- Select Oracle Provider for OLE DB
- Select Oracle Data Provider for .NET
- Select Oracle Providers for ASP.NET



Wait for the prerequisite check to complete:
Review the summary and click Install:



Wait for the installation to complete:



Click Close when complete:

3 Configure tnsnames.ora

Before connecting to the database, the connection information of the Oracle must be added to the tnsname.ora file. The default location for tnsname.ora file is:

C:\app\<Windows User ID>\product\11.x.x\client_1\network\admin.

An entry with the correct database connect information is configured in tnsnames is required.

4 Reset Password When Expired

The initial password must be changed after first login and again every 90 days thereafter. If either Oracle client tool is used, SQL Plus or SPL Developer, the system will alert when such changes need to be made. If a third-party product is used, a reminder message will not be sent and the account will be locked.

4.1 Option 1: Using SQL Plus

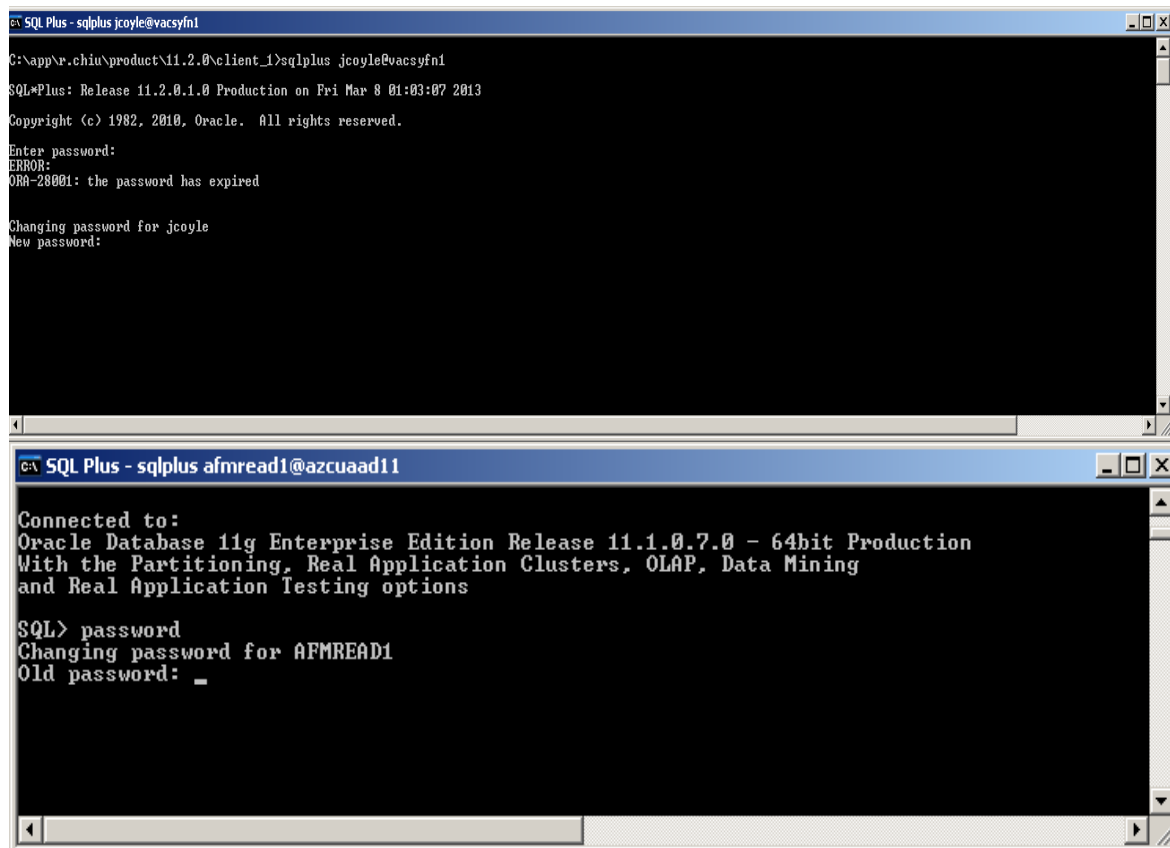
Open Windows by clicking *Start -> Run*.

Type *CMD*.

In the command prompt window type, *sqlplus <user id>@<tns name for the database>*.

<tns name for the database> is the name of the entry configured in tnsnames.ora file.

After entering the initial password, it will read error and then prompt for a new password



```

C:\SQL Plus - sqlplus jcoyle@vacsyf1
C:\app\r.chiu\product\11.2.0\client_1>sqlplus jcoyle@vacsyf1
SQL*Plus: Release 11.2.0.1.0 Production on Fri Mar 8 01:03:07 2013
Copyright (c) 1982, 2010, Oracle. All rights reserved.
Enter password:
ERROR:
ORA-28001: the password has expired

Changing password for jcoyle
New password:

C:\SQL Plus - sqlplus afmread1@azcuaad11
Connected to:
Oracle Database 11g Enterprise Edition Release 11.1.0.7.0 - 64bit Production
With the Partitioning, Real Application Clusters, OLAP, Data Mining
and Real Application Testing options

SQL> password
Changing password for AFMREAD1
Old password: _
  
```

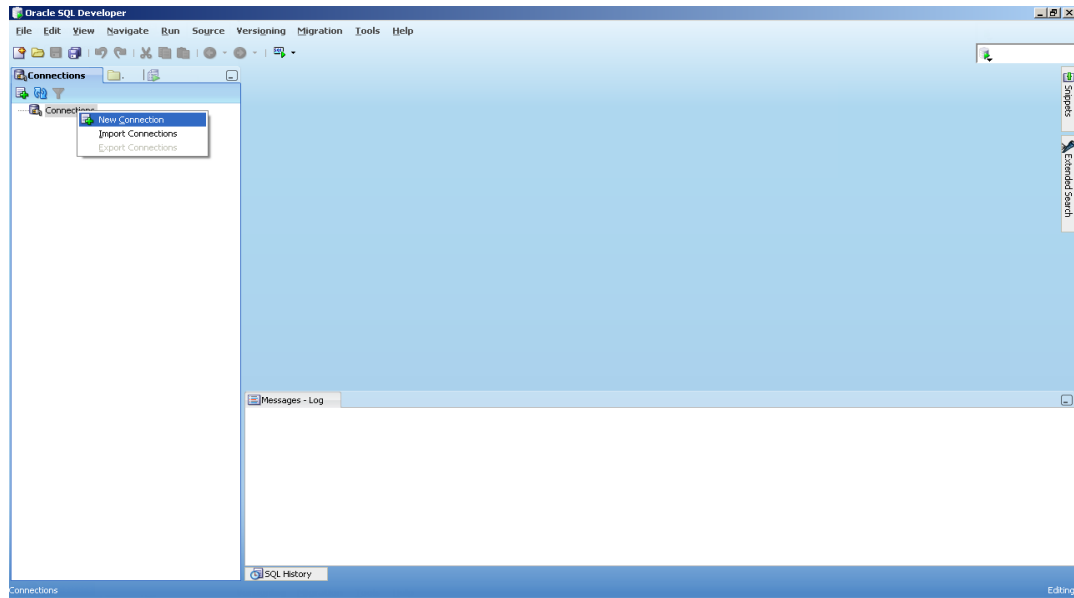
***Note:** A password can still be changed even if it is not expired. Type the command *password* to make this change.

4.2 Option 2: Using Oracle SQL Developer

Open Oracle SQL Developer by clicking:

Start -> Programs -> Oracle - OraClient11g_home1 -> Application Development -> SQL Developer.

Right click on *Connections* and then select *New Connection*.



Fill in the following fields:

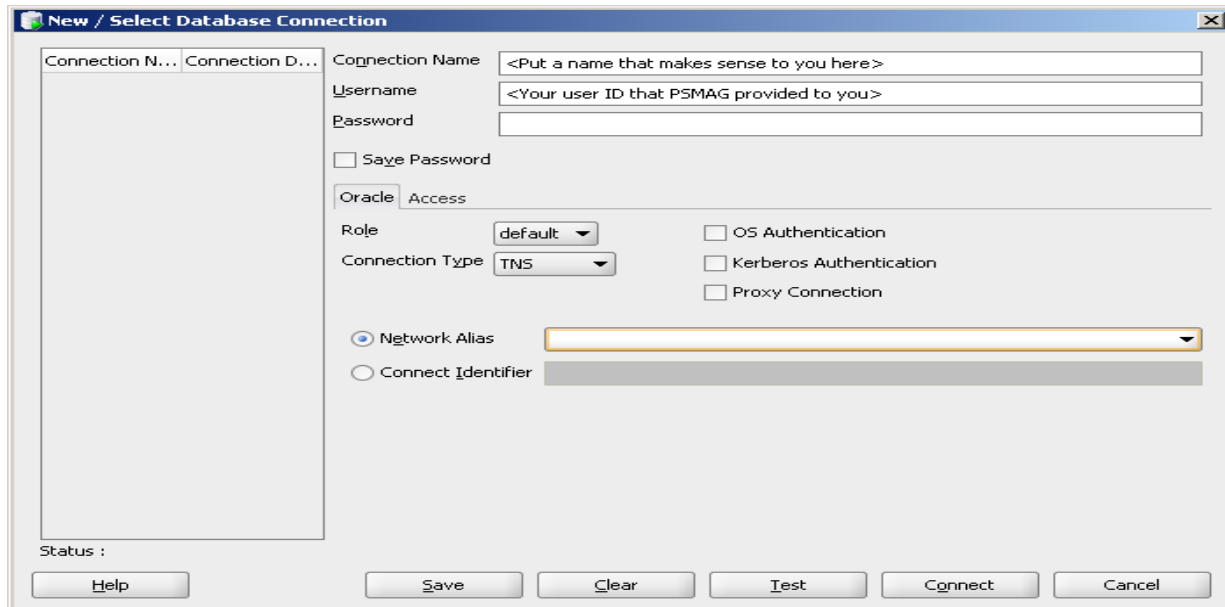
Connection Name –Description of the database.

Username - Your DB User ID that PSMAG provided you.

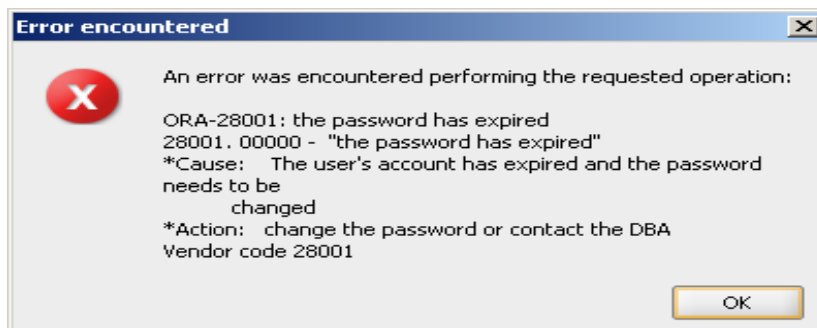
Password – Put in the initial default password.

Connect Type – Select *TNS* from the drop down list.

Network Alias – Pick which database to connect. This is name of the TNS entry found in tnsnames.ora file.



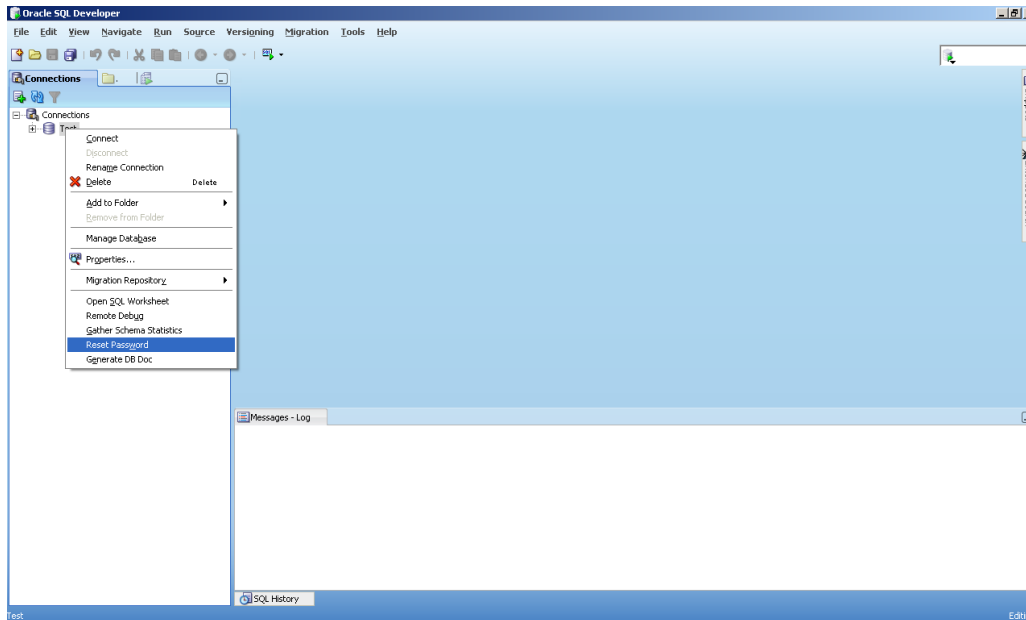
When clicking *Test* or *Save*, this error message will appear. Continue by clicking *OK*.



Right click *Connections*.

Select *Reset Password*.

Enter current password, new password, and then confirm password.



***Note:** If *reset password* is not available, either there is already a connection or the Oracle Client version is too low. Be sure to click *disconnect* on the first page of the menu, and then reset the password. If the Oracle Client version is too low, upgrade to the latest version.

5 Password Requirements

The password must satisfy the following requirements:

- Password must be a minimum of 8 characters;
- Password should contain at least one digit, one letter, and one punctuation mark;
- Password must differ from the previous password by at least 3 letters;
- Password cannot consist the following: welcome, database, account, user, password, oracle, computer, abcd.

***Note:** Once the new password is created, it can be used in any other third party database tools such as: dbsurfer, Toad, etc.