



## **ORACLE BUSINESS INTELLIGENCE WORKSHOP**

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## Introduction

This document describes all necessary prerequisites for the attendees of the Oracle BI Hands-On workshops, held across Europe in June 2007.

Please read all steps carefully and follow the instructions.

## Hardware Requirements

During the Workshop you will copy a virtual Machine with installed Servers (Oracle Database, Oracle BI in an Linux Operating System) on your Machine. The virtual Machines require a lot of disk space and RAM in order to perform accurately. Additionally you will install Client software on your local Machine that will consume some disk space and RAM as well.

### Minimum Hardware configuration:

- Min. 1.5 GHz CPU, preferably 2 GHz +
- Min. 2 GB RAM
- Min. 25 GB free Disk space
- DVD Drive
- Browser: Internet Explorer 5.5 or above Mozilla Firefox
- Swap Space: 1535 MB minimum
- Monitor: Configured to display at least 256 colors
- Use of a Mouse as pointing device is highly recommended (for lab work)

Warning: if your machine won't fulfil these requirements, either the system won't run at all or incredible slow. It may not be possible to follow the Hands-On sessions.

## Software Requirements

As stated above, a VMWare virtual Machine and Client software will be used during the Workshop. The vmware image will be provided during the event; however you are required to install the emulation software in advance of arriving for the course.

### Virtual Machine: Runtime

In order to run a virtual Machine, a runtime environment for VMWare has to be installed on your machine. Several options are possible:

1. VMWare Player (no Licence key, no purchasing required, just run pre-configured VMWare images)  
You'll find VMWare Player at <http://www.vmware.com/products/player/>
2. VMWare Server (Registration required, Serial Key for free, create and run VMWare images)  
You'll find VMWare Server at <http://www.vmware.com/products/server/>  
(please don't forget to register and remember your Licence Key)

**Please download one option and install it, following the instructions of the product.**

## **Virtual Machine: Content**

The content of the virtual machine is provided by Oracle. You'll get the content when attending the training on a DVD. Please ensure enough space on your HDD to copy and unpack the DVD contents (4.5 GB packed, 15 GB unzipped).

**No other requirements apply in this section.**

## **Client Software**

The Windows client software has to be installed prior the event.

It is not necessary to configure all parts of all programs, but it will save a lot of time, if you download and install the software prior the event.

Software needed:

### Oracle BI Client Tools:

The Client Tools are not available as Stand-Alone versions, so please download the complete set of software from

[http://download.oracle.com/otn/nt/ias/101321/biec\\_windows\\_x86\\_101321\\_disk1.zip](http://download.oracle.com/otn/nt/ias/101321/biec_windows_x86_101321_disk1.zip)

### Freeware local Mail server:

The workshops suggest a simple mail server called ArGoSoft to test email delivery and also in case a live email delivery is called for during a demo. This can be downloaded in advance of the course from:

<http://www.argosoft.com/rootpages/Download.aspx>

### Java SDK

If you haven't got Java SDK installed, download "JDK 6u1" from

<http://java.sun.com/javase/downloads/index.jsp>

### Oracle ODBC Driver

If you already have a "local Oracle Client" installed on your machine you skip this topic because you should already have an Oracle ODBC Driver on your "Host" machine

However, if you need an Oracle ODBC Driver, you can obtain this in one of several ways. In this tutorial the "Instant Client" has been used.

1. Downloading "Instant Client"
  - a. For installing ODBC, you need to files from OTN: the basic instant client and the ODBC libraries
  - b. Go to the Oracle Technology Network Instant Client Homepage:  
<http://otn.oracle.com/tech/oci/instantclient/instantclient.html>

- c. Click on “Downloads”:

**Platform Downloads**

↓ [See Instant Client downloads](#) for all platforms

- d. Select Windows:

**Instant Client Downloads**

Please note that Instant Client is provided under a separate OTN licensees to download, redistribute, and deploy in production environment for clarification, if necessary. For more information on

- ↓ [Instant Client for Solaris x86](#)
- ↓ [Instant Client for Windows 64-bit Itanium](#)
- ↓ [Instant Client for Linux x86-64](#)
- ↓ [Instant Client for Mac OS X](#)
- ↓ [Instant Client for Linux x86](#)
- ↓ [Instant Client for Linux Itanium](#)
- ↓ [Instant Client for Linux AMD64 \(32-bit and 64-bit\)](#)
- ↓ [Instant Client for z/Linux \(32-bit and 64-bit\)](#)
- ↓ [Instant Client for Microsoft Windows \(32-bit\)](#)
- ↓ [Instant Client for Solaris Operating System \(SPARC\) \(64-bit\)](#)
- ↓ [Instant Client for Solaris Operating System \(SPARC\) \(32-bit\)](#)
- ↓ [Instant Client for HP-UX PA-RISC \(64-bit\)](#)
- ↓ [Instant Client for HP-UX PA-RISC \(32-bit\)](#)
- ↓ [Instant Client for AIX5L \(64-bit\)](#)
- ↓ [Instant Client for AIX5L \(32-bit\)](#)
- ↓ [Instant Client for HP Tru64 UNIX](#)
- ↓ [Instant Client for HP-UX Itanium \(64-bit\)](#)
- ↓ [Instant Client for HP-UX Itanium \(32-bit\)](#)

Accept the Licensing Questions and Download the “Basic” and “ODBC” package:

**Instant Client Downloads**  
for Microsoft Windows (32-bit)

**Version 10.2.0.3**

**Instant Client Package - Basic:** All files required to run OCI,  
 [instantclient-basic-win32-10.2.0.3-20061115.zip](#) (34,469

**Instant Client Package - Basic Lite:** Smaller version of the  
European character set support (10.2 only)  
 [instantclient-basclite-win32-10.2.0.3-20061115.zip](#) (10,3

**Instant Client Package - JDBC Supplement:** Additional sup  
 [instantclient-jdbc-win32-10.2.0.3-20061115.zip](#) (1,473,11

**Instant Client Package - SQL\*Plus:** Additional libraries and  
 [instantclient-sqlplus-win32-10.2.0.3-20061115.zip](#) (722,0

**Instant Client Package - SDK:** Additional header files and a  
 [instantclient-sdk-win32-10.2.0.3-20061115.zip](#) (789,899 k

**Instant Client Package - ODBC:** Additional libraries for ena  
 [instantclient-odbc-win32-10.2.0.3-20061115.zip](#) (722,91 k

## Installation steps for the Client Software

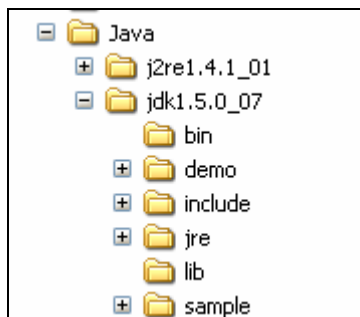
Please install the Software on the Client in the following order:

- Installation of BI EE Client software
  - o If necessary: install Java JDK before
- Installation / Configuration of an ODBC connection the database located on the VMWare

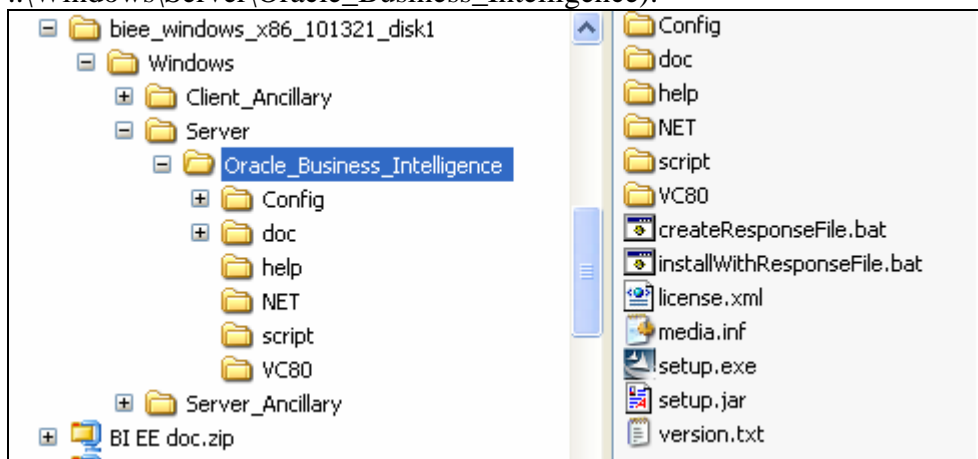
Configuration will be done after copying the VMWare image as first step during the Hands-On sessions.

### Installation of BI EE Client software

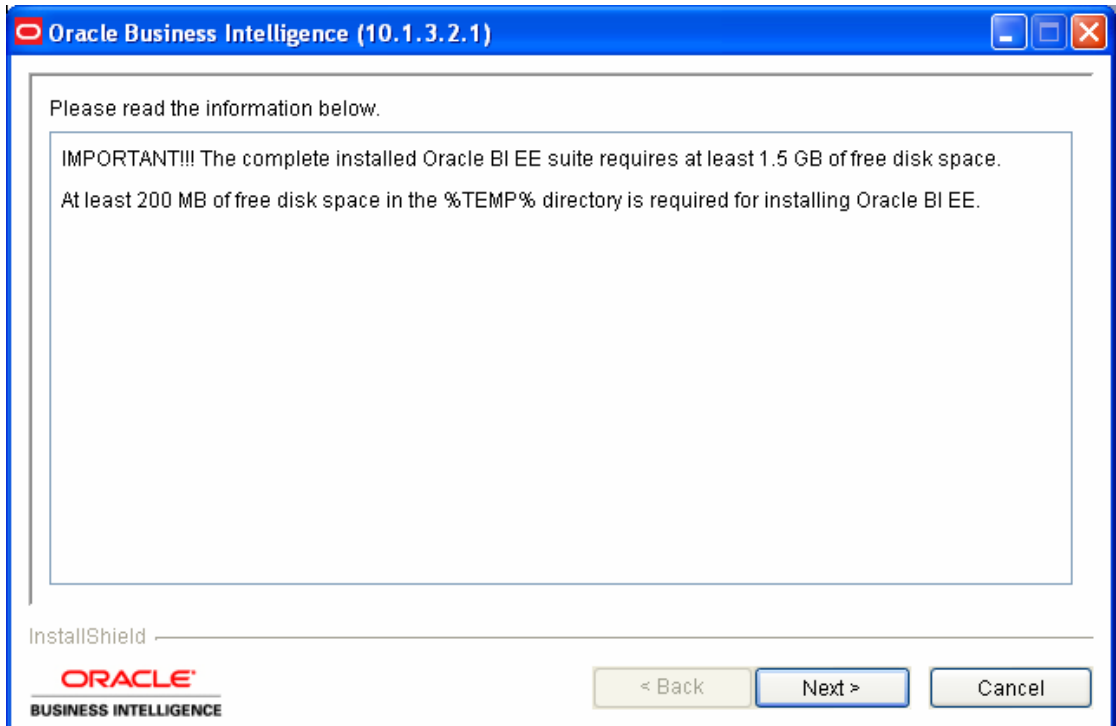
1. Check if you have a proper installation of Java JDK (1.5 or greater) on your machine. Look for a “Java\jdk...” Directory:



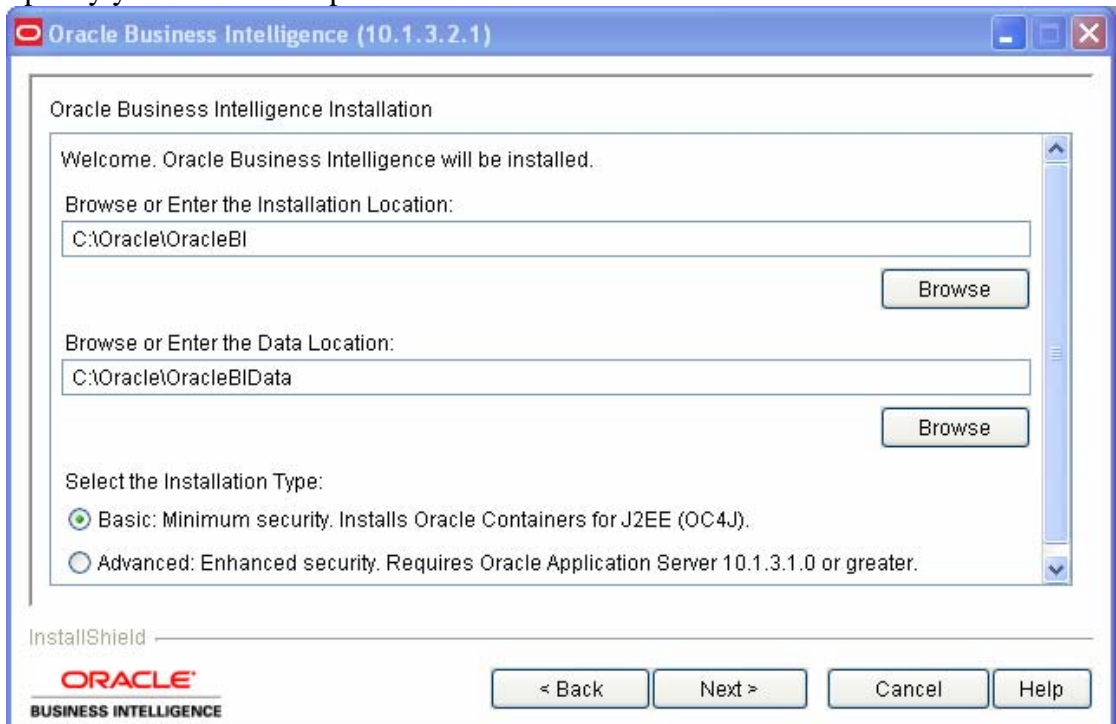
- a. If you haven't, install Java JDK from the path mentioned before.
2. Change to the directory where you have downloaded the Oracle BI software and extract it into a single directory.
3. change directory to the BI EE installation files (typically `..\Windows\Server\Oracle_Business_Intelligence`):



4. Start the installation by double-clicking “setup.exe”. The Installation Wizard will start-up:

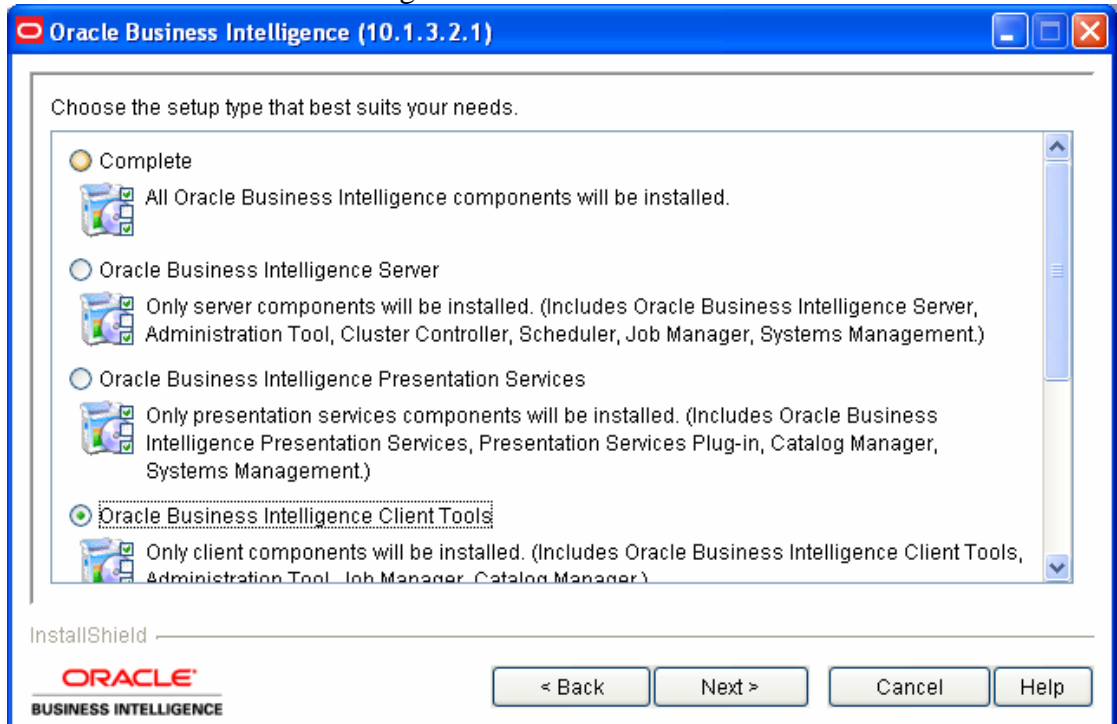


5. Click “Next”, if you are sure to meet the requirements.
6. Specify your installation paths and check “Basic”:



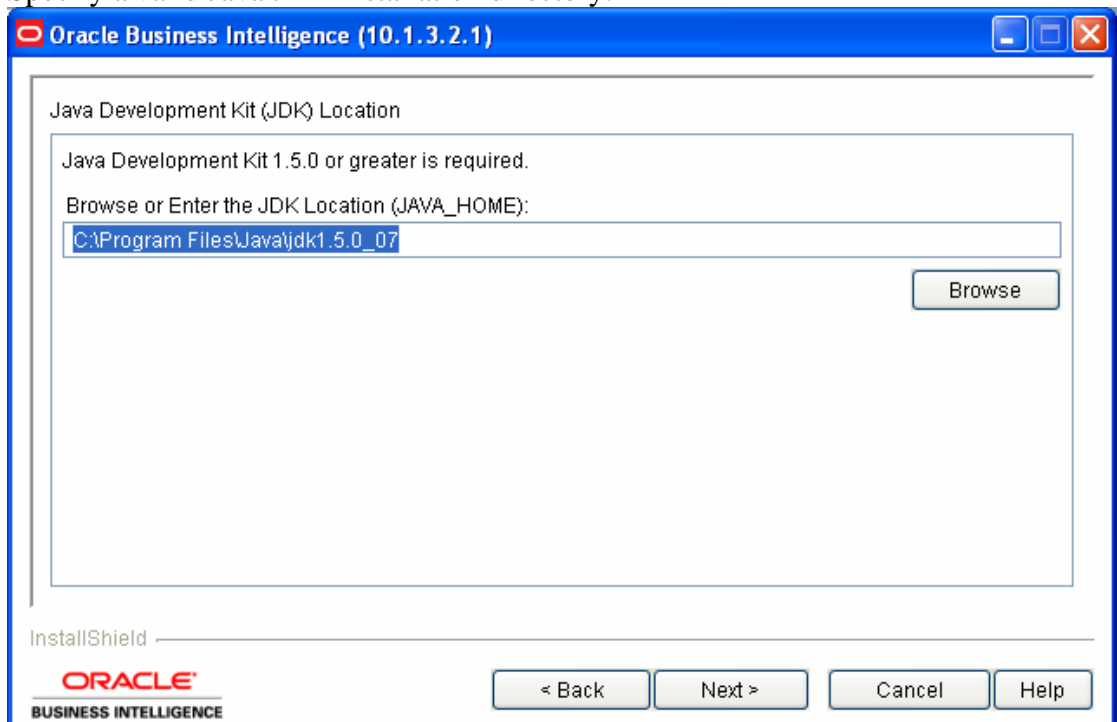
7. Click “Next”

8. Select “Oracle Business Intelligence Client Tools”



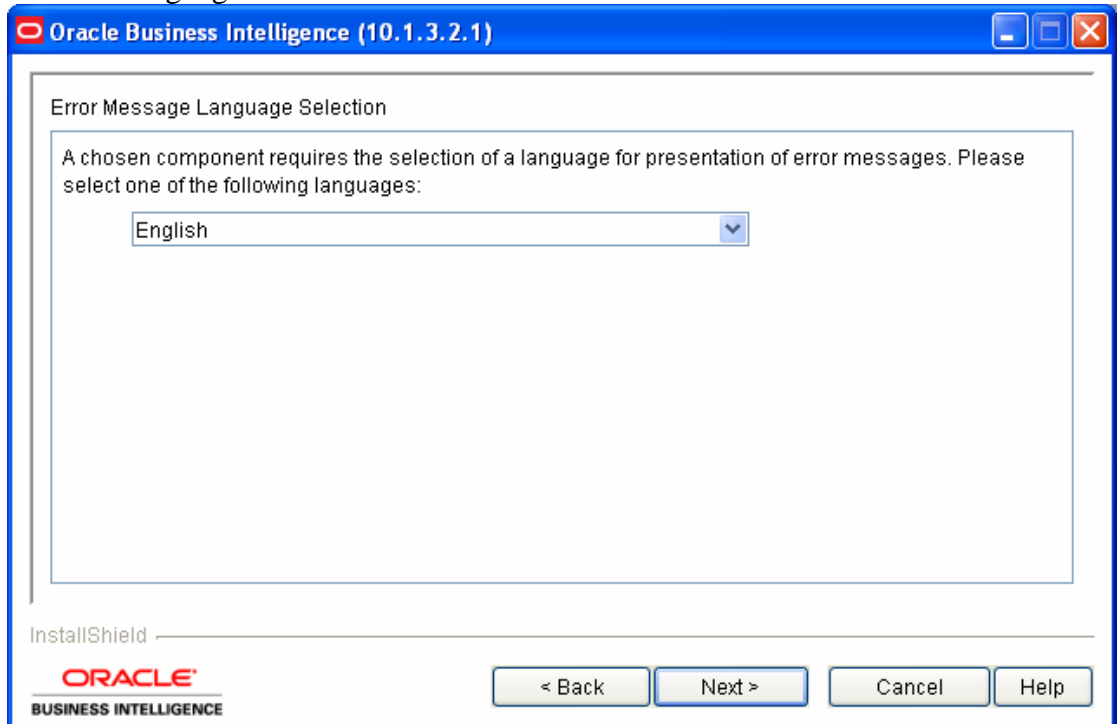
9. Click “Next”

10. Specify a valid Java JDK installation directory:



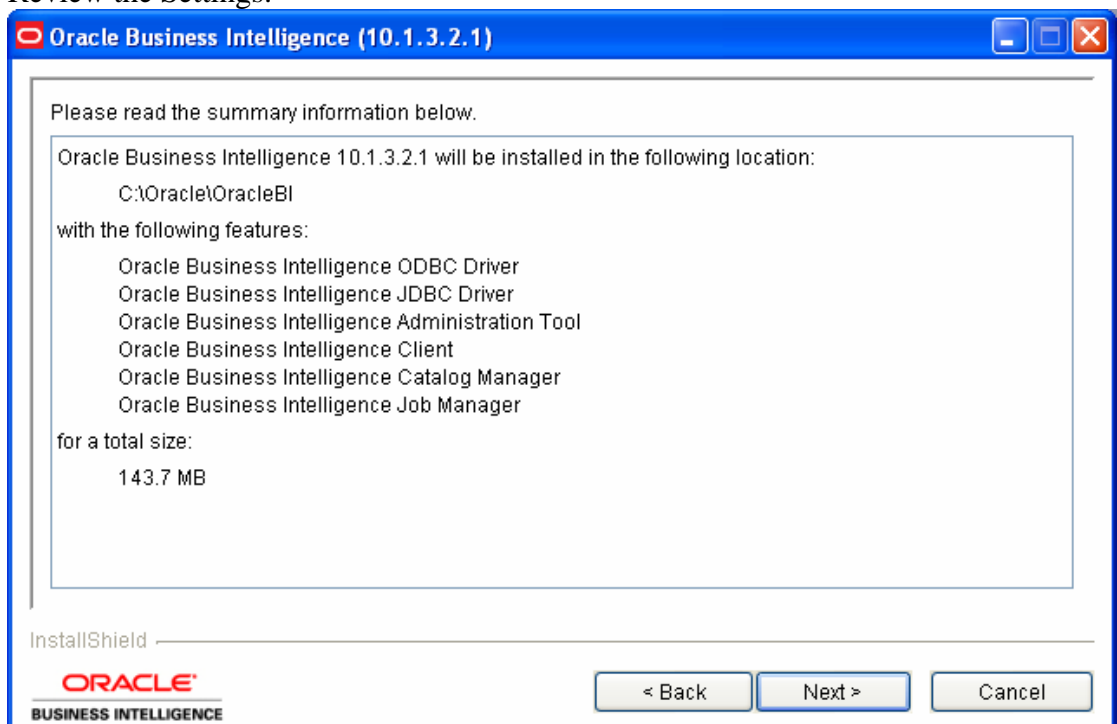
11. Click “Next”

12. Select a Language:



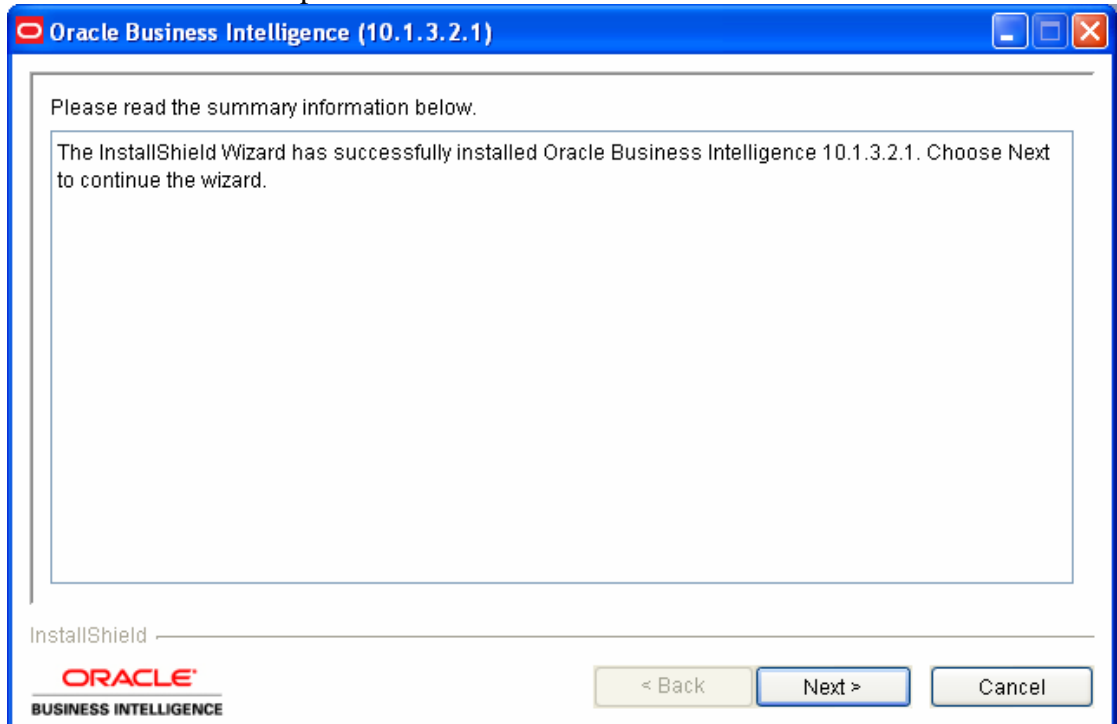
13. Click “Next”

14. Review the Settings:



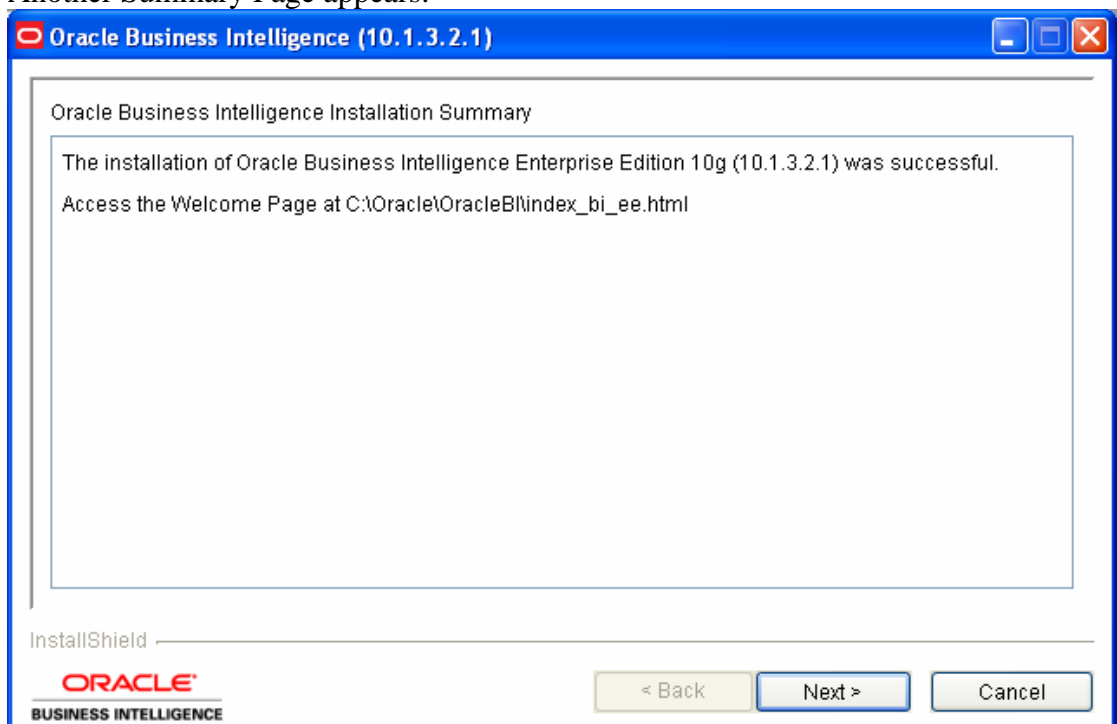
15. Click “Next”. The Installation will take a few minutes

16. The installation is complete

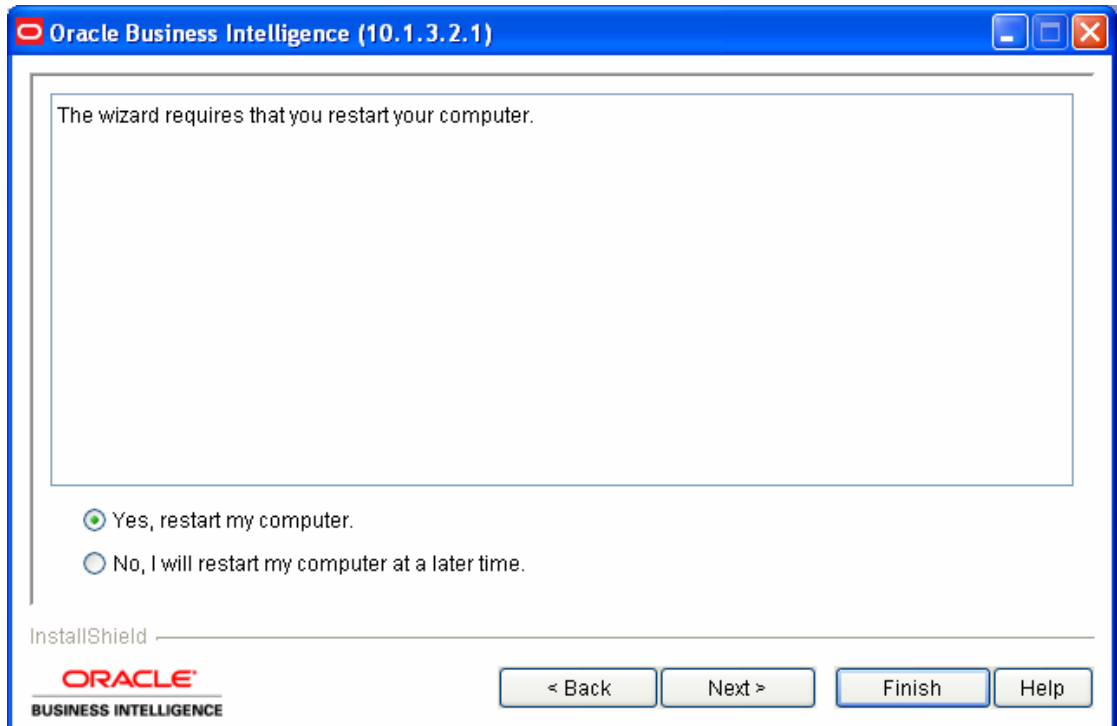


17. Click “Next”

18. Another Summary Page appears:



19. Click “Next” for the last page



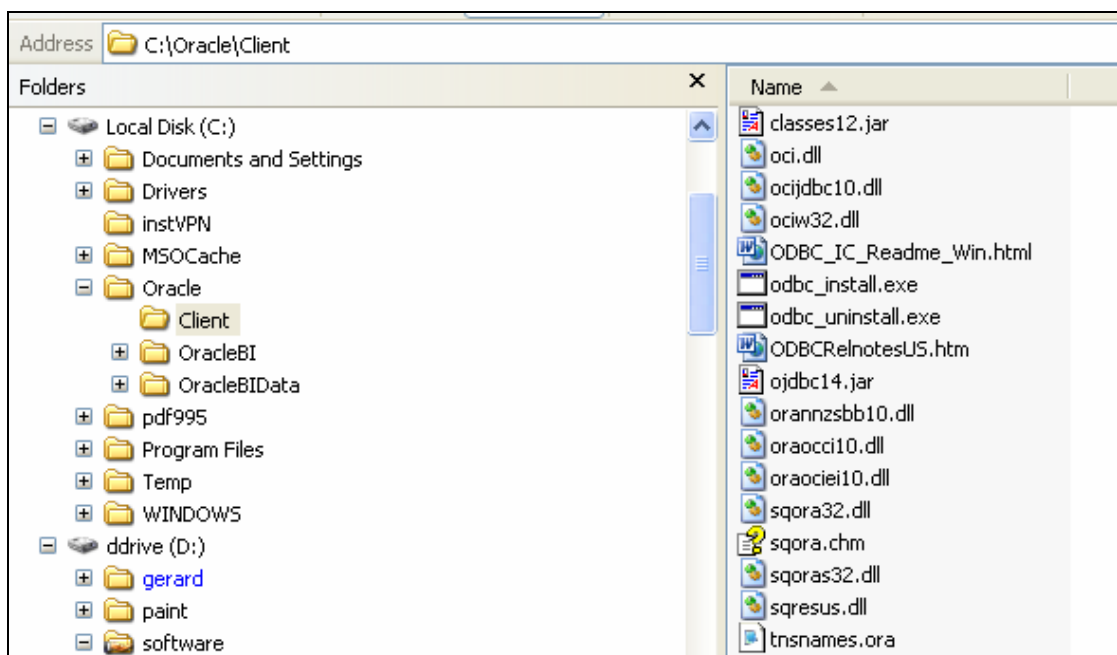
20. Click “Finish” and restart you computer

The Installation of BI EE is now complete.

## Installation Oracle ODBC Driver

This section describes how to install the local ODBC Driver:

1. Extract both downloaded files to the same local directory



2. Run “odbc\_install.exe”
3. Add this directory (e.g. C:\Oracle\Client) to the local Windows “PATH” variable
4. Add a new System Variable “TNS\_ADMIN” and set the value to the same directory path
5. Create a new local file called “tnsnames.ora” in the same directory. This file will contain the connection information to the Oracle database in the VMWare.

```
ORCL =  
  (DESCRIPTION =  
    (ADDRESS = (PROTOCOL = TCP)(HOST= oracle2go.us.oracle.com)(PORT = 1521))  
    (CONNECT_DATA =  
      (SERVER = DEDICATED)  
      (SERVICE_NAME = orcl.us.oracle.com)  
    )  
  )
```

Your Oracle ODBC connection is now ready to be configured, as it is described in the OBE tutorial.


## Installation of ArGoSoft Mail Server

This section describes how to install the freeware mail server which can optionally be used to test email delivery by the BI Scheduler:

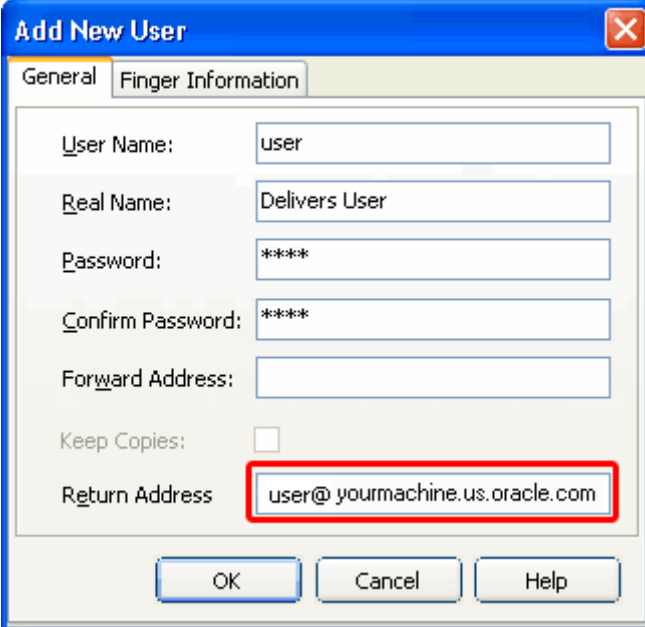
Have the correct privileges to configure and install a mail server on your machine. The workshop uses a simple mail server, ArGoSoft Mail Server Freeware, for demonstration purposes only. If you do not have a mail server, follow these steps:

- A. You can download this freeware mail server [here](#).
- B. Select the Mail Server Freeware **agsmail.exe** link.
- C. Click **Save** to download the module onto your local machine.
- D. Click **Start > All Programs > Administrative Tools > Services** and stop the Simple Mail Transfer Protocol Service (SMTP). Close Services.
- E. Navigate to the directory where you stored the downloaded freeware module and double-click the **agsmail.exe** icon. Follow the vendor instructions for installation. This should not take much longer than one minute as it is a very light install.
- F. Start the ArGoSoft Mail Server service by double-clicking the ArGOSoft Mail Server Freeware icon stored on your desktop.



G. Click **Tools > Users** on the menu bar. When the User Setup window appears, click the **New User**  icon.  
H. The Add New User window appears.

- 1) Enter **user** in the User Name text box.
- 2) Enter **Delivers User** in the Real Name text box.
- 3) Enter **user** in the Password and Confirm Password text boxes.
- 4) Enter **user@<yourmachine>** in the Return Address text box, where <yourmachine> is the name of your machine domain configuration.



The screenshot shows a dialog box titled "Add New User" with a close button (X) in the top right corner. It has two tabs: "General" (selected) and "Finger Information". The "General" tab contains the following fields and controls:

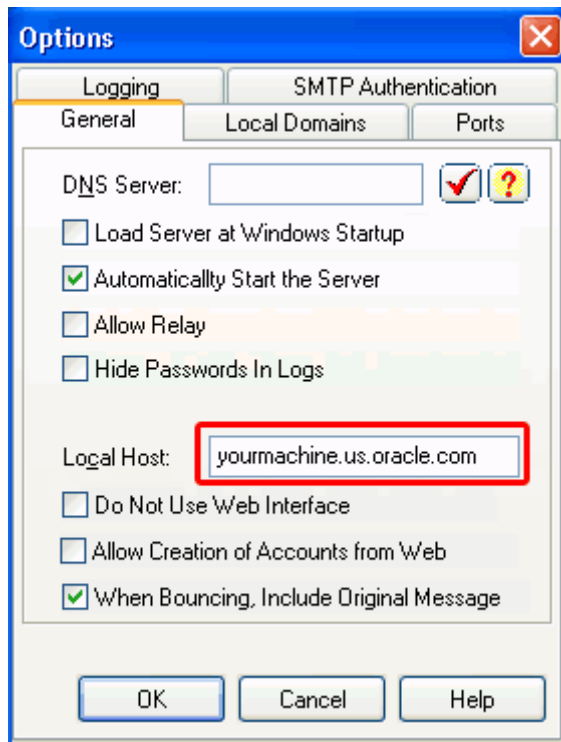
- User Name: user
- Real Name: Delivers User
- Password: \*\*\*\*
- Confirm Password: \*\*\*\*
- Forward Address: (empty)
- Keep Copies:
- Return Address: user@yourmachine.us.oracle.com (highlighted with a red box)

At the bottom of the dialog are three buttons: OK, Cancel, and Help.

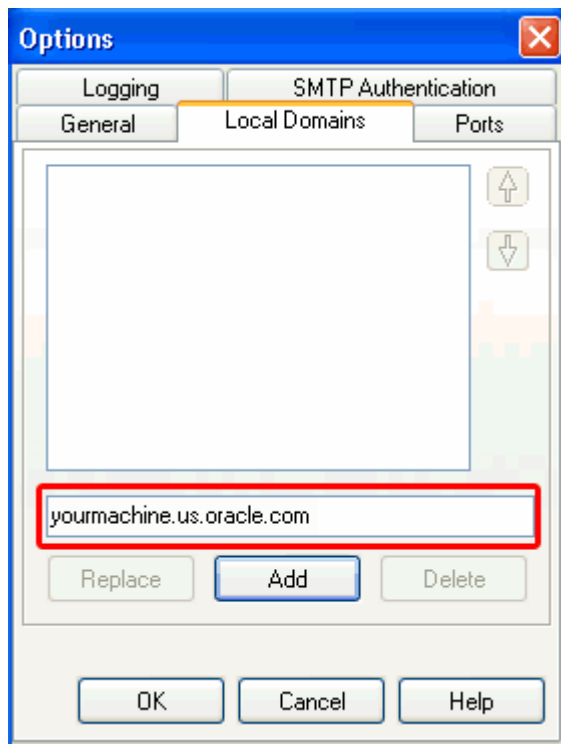
- 5) Click **OK**.
- 6) Click **Close**.

I. Click **Tools > Option** on the menu bar. The Options window appears.

- 1) On the General tab, enter <yourmachine> in the Local Host text box.



2) On the Local Domains tab, enter *<yourmachine>* in the available text box and click **Add**.



3) On the Ports tab, ensure that SMTP is set to 25 and POP3 is set to 110, both defaults.

4) Click **OK**.

J. Launch your email client. This OBE uses MS Outlook Express. Ensure that all user properties correspond to the information annotated above. To do so, perform the

following steps:

- 1) Select **Tools > Accounts** on the menu bar. The Internet Accounts window appears.
- 2) Click **Add > Mail** and enter **user** into the Display Name text box.
- 3) Click **Next**.
- 4) Enter the same email address that you used above, **user@<yourmachine>**, and click **Next**.
- 5) Enter the email server names, **<yourmachine>**, for both Incoming and Outgoing servers, POP3 and SMTP respectively. click **Next**.
- 6) Enter **user** into both Account Name and Password text boxes and click **Next**.
- 7) Click **Finish**. Your account is setup.
- 8) To check the properties for **user**, click **Tools > Accounts**, select **user** and click **Properties**. The General and Servers tabs should look like the image below:

