Oracle® Hospitality Suite8

Install Shield
Release 8.9.6.0

February 2016

ORACLE

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Preface

Audience

The installation guide for the Suite8 Install Shield is intended for system administrators and support familiar with Suite8.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

http://www.micros.com/Support

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com

Revision History

Date	Description of Change
March, 2010	• 8.8.2.0 - New
December, 2010	• 8.8.4.1 - Added Oracle 11gR2
September, 2011	• 8.9.0.3 - Updated for new install shield and added training version short cut start parameter
October, 2012	• 8.9.2.3 - Updated for 8.9.2.3
February, 2013	• 8.9.3.0 - Updated for 8.9.3.0 • Suite8 Client Setup updated • Oracle DB Setup updated
July, 2013	• 8.9.4.0 - Updated for 8.9.4.0 • Suite8 Version Control added
July, 2013	• 8.9.4.0 - Update to Suite8 homepage system requirements
January, 2014	• 8.9.4.3 - Updated for 8.9.4.3 • Windows 8 Support added • Oracle DB Setup updated
March, 2014	• 8.9.5.0 - Updated for 8.9.5.0 • Oracle DB Setup updated • Suite8 Version Control updated

July, 2014	• 8.9.5.1 - Update for 8.9.5.1 • Added Oracle 12cR1 • Added Windows Server 2012
November, 2014	• 8.9.5.3 - Update for 8.9.5.3 • Added Oracle Policies
January, 2015	• 8.9.6.0 - Update for 8.9.6.0 • Added UNICODE Support

1 Suite8 Install Shield

Introduction

The Suite8 installation shield offers a complete installation of Oracle Schema with Oracle11gR2/Oracle12cR1 Database, MICROS-Fidelio Suite8 with Oracle 11gR2/Oracle 12cR1 Client (32-bit) as well as Translation Studio, Suite8 Homepage, XML Interface, Oracle SQL Developer, Crystal Reports 12 Runtime and Oracle Database Maintenance.
When choosing Oracle Server, Instance and Schema installation, the install shield takes care of all Oracle settings for the Server and prepares the installation of the correct version 8, please make sure to have the Oracle DVD ready or download the Oracle Installation DVD's from the Micros Fidelio FTP Server. The Install Shield supports different RAM Sizes. It reads real memory size, therefore no additional questions about memory are being asked with the install shield for version 8.9.5.3.

Microsoft Windows7

Oracle Database releases '9iR2 (9.2.0.x), 10gR1 (10.1.0.x), and 11gR1 (11.1.0.x)' are not certified or supported to install or run on Microsoft Windows 7.

Microsoft Windows 7 certification starts with 'Oracle Database 11gR2 (11.2.0.1)'. That means that the Oracle Database 11gR2 is the first Oracle Database product certified and supported to install and run on **Microsoft Windows 7**.
Recently, Oracle 10.2.0.5 has also been certified to run on Windows 7, but is End-of-Life (July 2013).

Microsoft Windows 8/8.1

Oracle Database releases '9iR2 (9.2.0.x), 10gR1 (10.1.0.x), 11gR1 (11.1.0.x) and 11gR2 (<=11.2.0.3)' are not certified or supported to install or run on Microsoft Windows 8/8.1. Oracle Database release 10gR2 is End-of-Life (July 2013).

Microsoft Windows 8/8.1 certification starts with Oracle Database 11gR2 (11.2.0.4) and Oracle Database 12cR1 (12.1.0.1/12.1.0.2).
We recommend using Oracle Database Version 11gR2 (11.2.0.4) for Microsoft Windows 8/8.1.

Microsoft Windows Server 2012 R1/R2

Oracle Database releases '9iR2 (9.2.0.x), 10gR1 (10.1.0.x), 10gR2 (10.2.0.x), 11gR1 (11.1.0.x) and 11gR2 (<=11.2.0.3)' are not certified or supported to install or run on Microsoft Windows Server 2012 R1/R2.
Microsoft Windows Server 2012 R1/R2 certification starts with 'Oracle Database 11gR2 (11.2.0.4) and Oracle Database 12cR1 (12.1.0.1).
We recommend using Oracle Database Version 12cR1 (12.1.0.2) for Microsoft Windows Server 2012 R1/R2.

Oracle Client Version

The Oracle Client versions 11gR2 (11.2.0.4, 32-bit) and 12cR1 (12.1.0.1/12.1.0.2, 32-bit) are compatible with Windows 7, Windows 8/8.1/8.1, Windows Server 2008 R2 and Windows Server 2012 R1/R2.

Note: Oracle Client Version 12cR1 (12.1.0.1/12.1.0.2) is not yet certificated for MFPOS8 and IFC8 installations. Please use the Oracle Client Version 11gR2 (11.2.0.4).

2 Suite8 Setup

Prerequisites

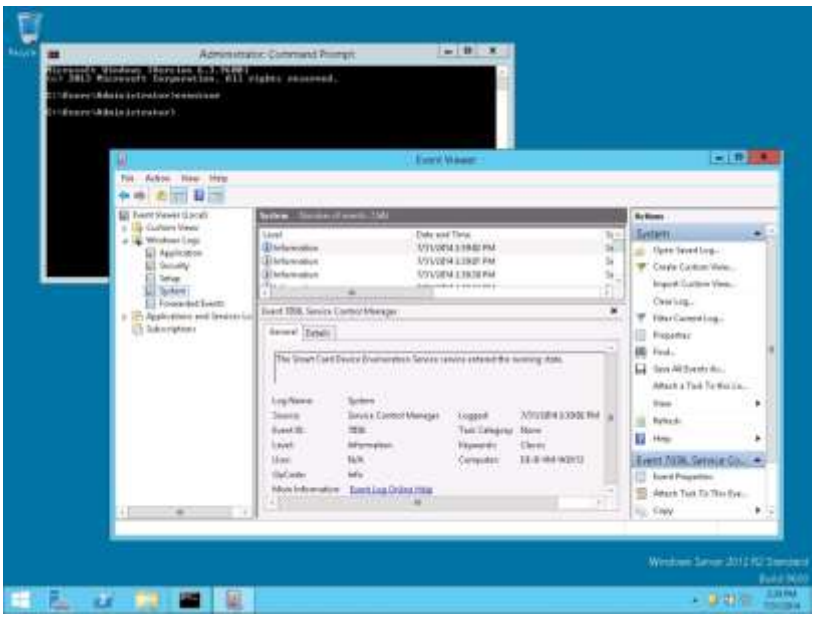
Please refer to the **Suite8 Software Description** and **Suite8 System Requirements** available on the Suite8 SharePoint or FTP Server.

Preparing the Installation

The following steps are required for the Oracle Client/Database installation:

Verify Event Logs

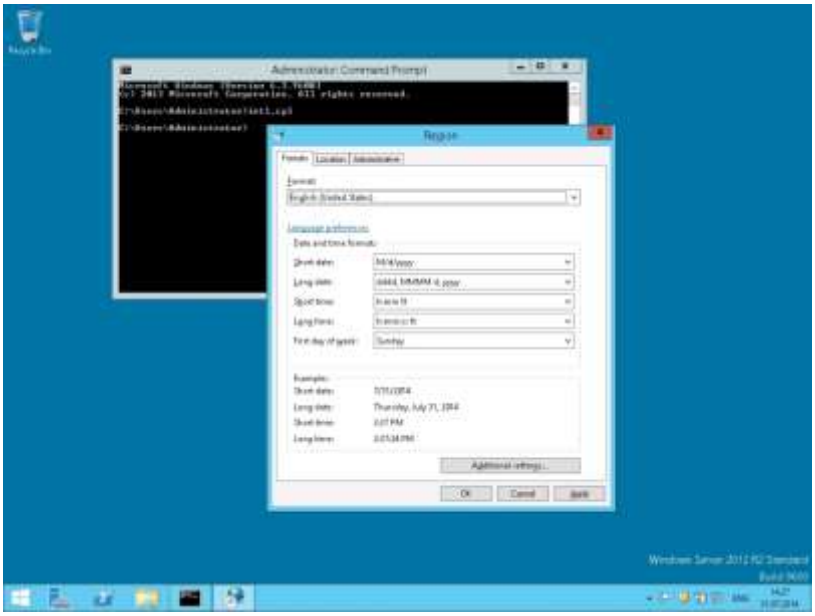
1. Verify that there are no errors in the event log file. The Oracle installation should not be started if there are system errors listed in the event log which could stop Oracle running.
2. Open a command prompt, use the option **Run as administrator** and type **eventvwr.msc** to launch the Event Viewer utility.



Configure Regional settings

The Windows regional settings should be configured using English (United States).

1. Open a command prompt, using the option **Run as administrator** and type **intl.cpl** to launch the Region utility.
2. Select the **Formats** tab. In the **Format** option select **English (United States)**. Click **OK** to save changes.

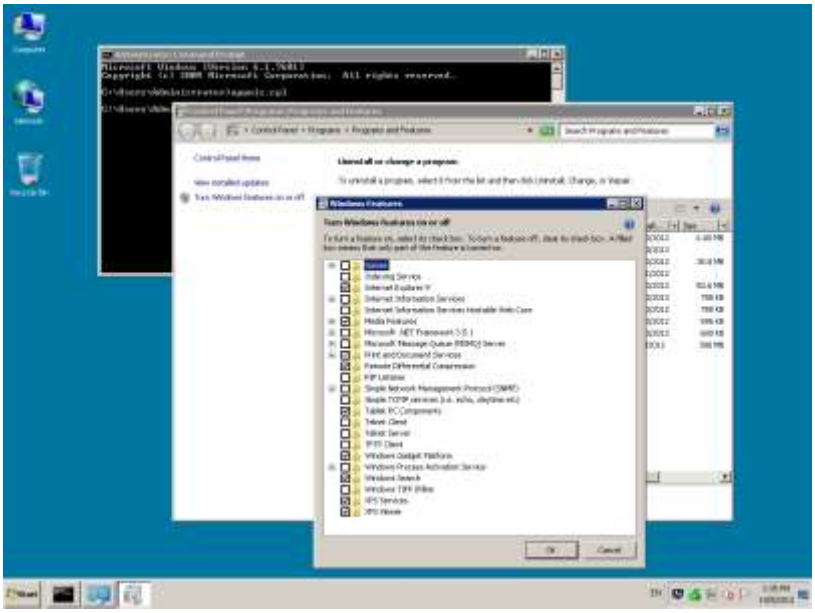
- 

Note: The language must be set to English (United States) for the Oracle Client installation. When the installation has been completed this should be changed back to the local language.

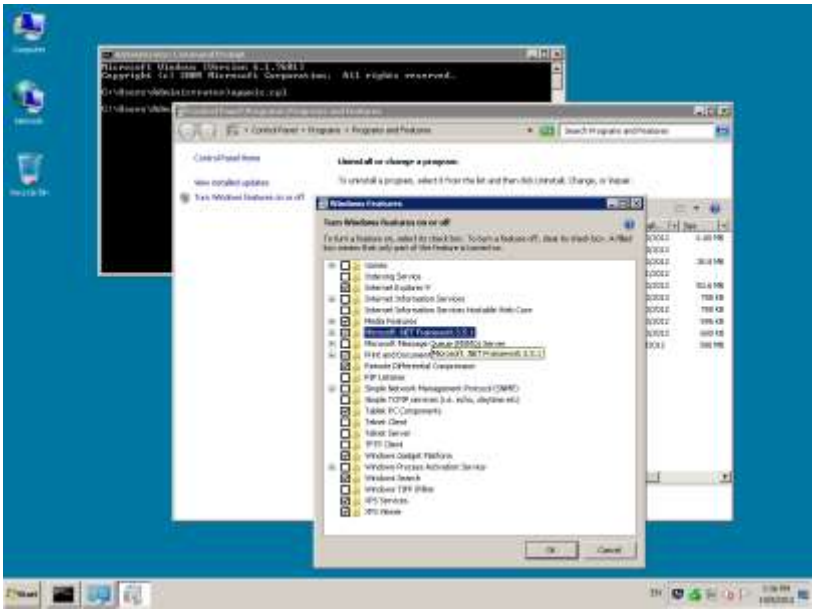
Enable the .NET Framework 3.5 (2.0) feature (Windows 7)

You can enable the .NET Framework 2.0/3.0/3.5 through the Control Panel.

1. Open a command prompt, using the option **Run as administrator** and type **appwiz.cpl** to launch the Programs and Features utility.
2. In the **Programs and Features** panel, select the option **Turn Windows features on or off** (upper left hand corner of the window).



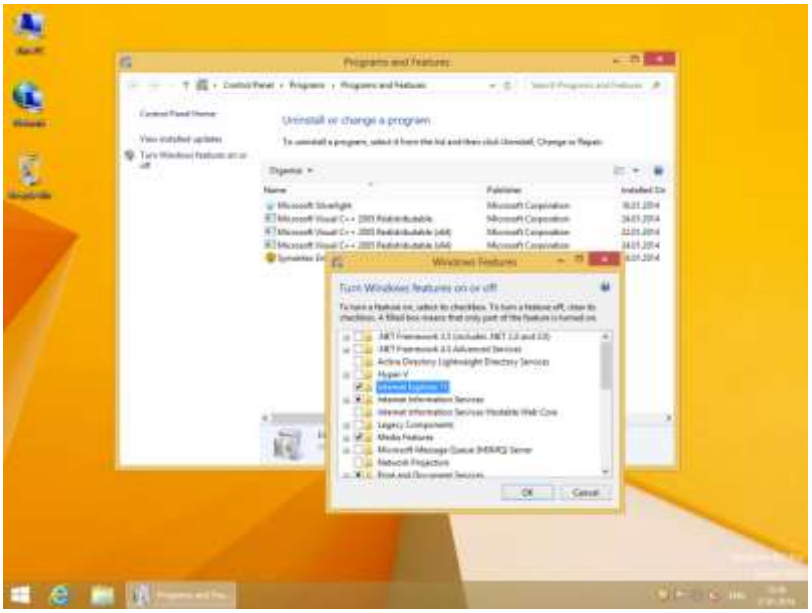
3. Select the feature **.NET Framework 3.5 (includes .NET 2.0 and 3.0)** in the **Windows Features** window and click **OK** to save the changes.



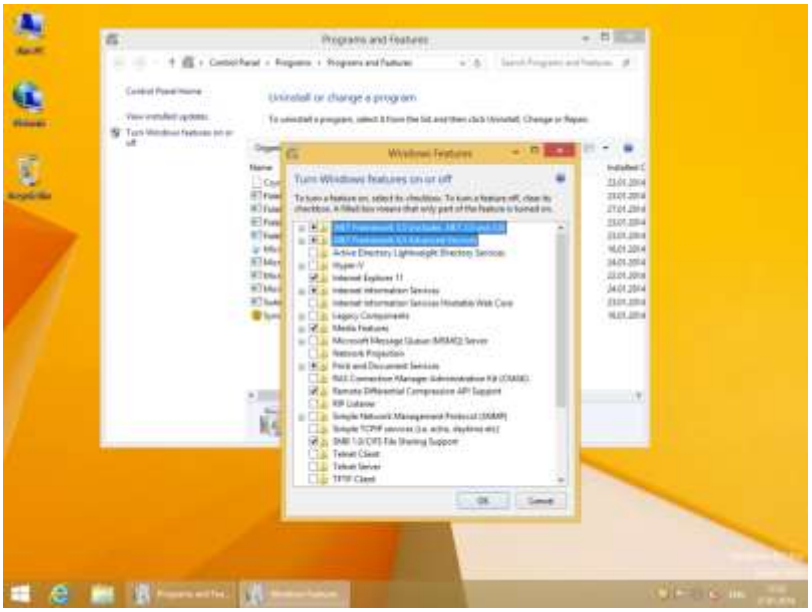
Enable the .NET Framework 4.x, 3.5 (2.0) feature (Windows 8/8.1)

You can enable the .NET Framework 2.0/3.0/3.5/4.0/4.5 through the Start screen.

1. Open the Start screen and search for **Programs and Features**. Launch the Programs and Features utility.
2. In the **Programs and Features** panel, select the option **Turn Windows features on or off** (upper left hand corner of the window).



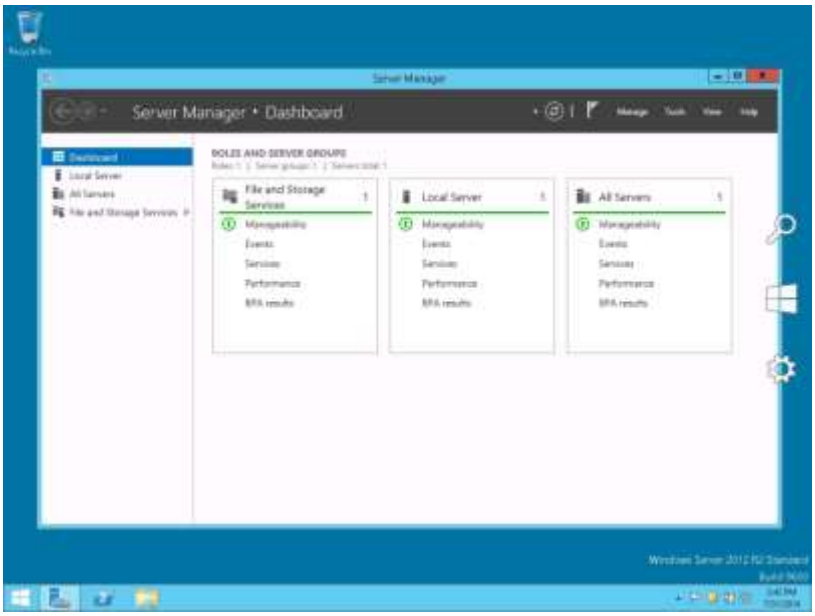
3. Select the feature **.NET Framework 3.5 (includes .NET 2.0 and 3.0)** and **.NET Framework 4.5** in the **Windows Features** window and click **OK** to save the changes.



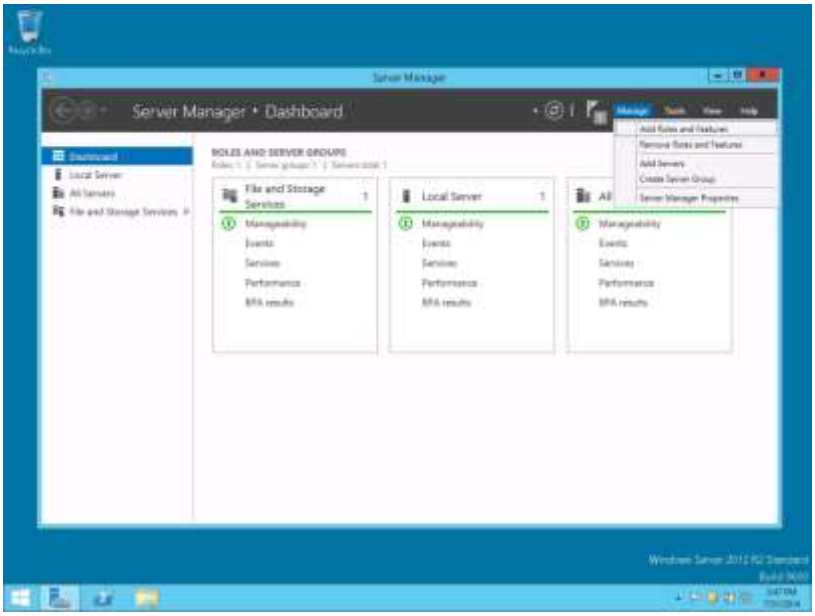
Enable the .NET Framework 4.x, 3.5 (2.0) feature (Windows Server 2012 R1/R2)

You can enable the .NET Framework 2.0/3.0/3.5/4.0/4.5 through the Start screen.

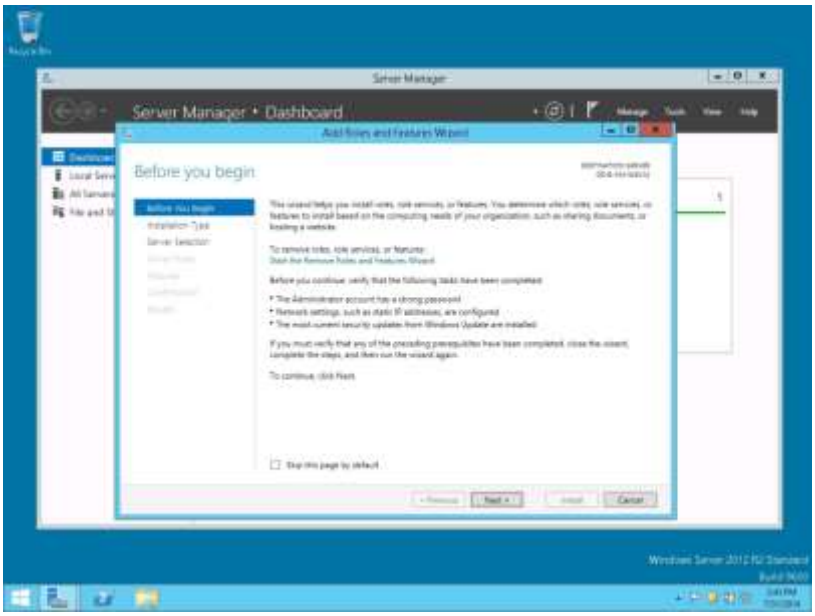
1. Open the Start screen and search for **Server Manager**. Launch the Program.



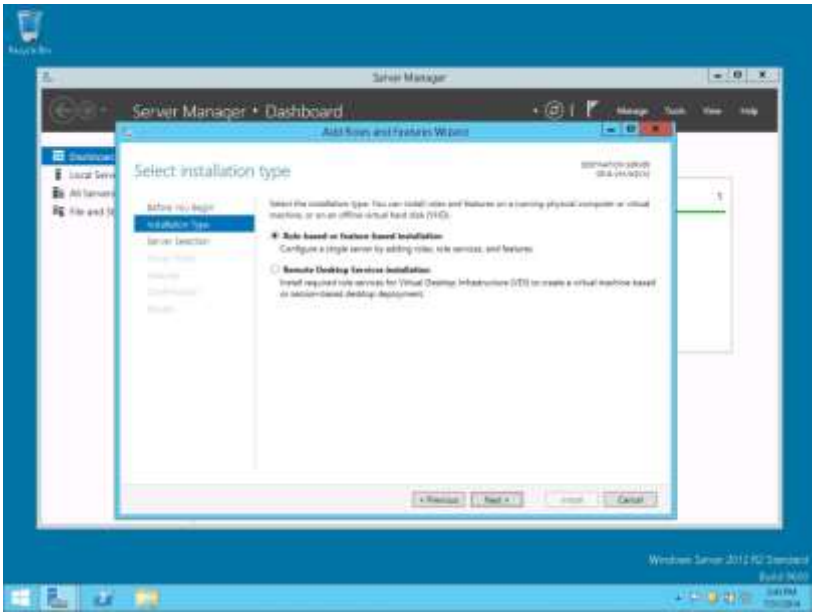
2. In the **Menu** select the option **Add Roles and Features** (upper right hand corner of the window).



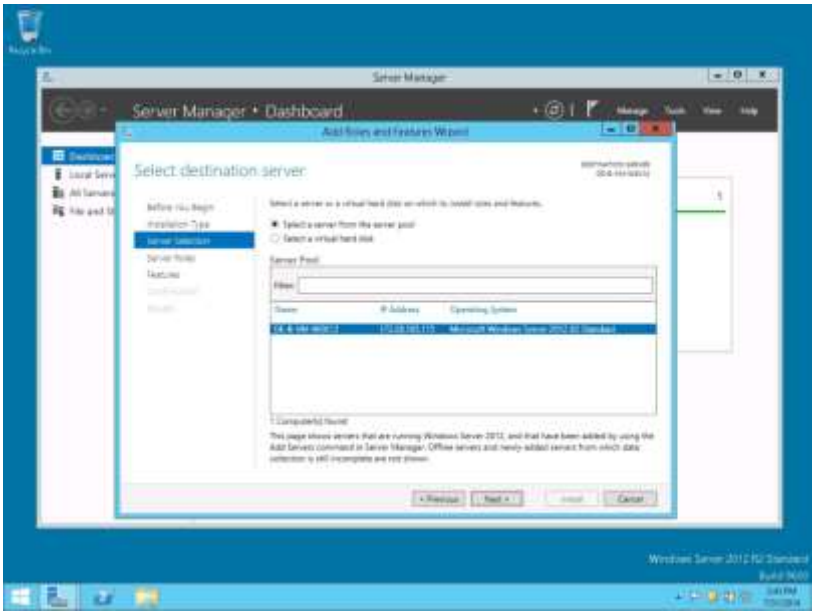
3. Click **NEXT** to continue.



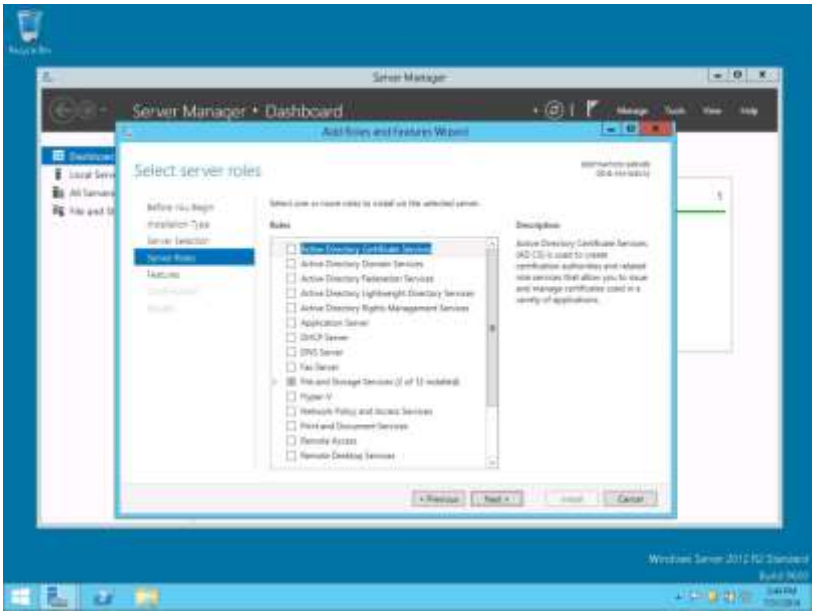
4. Select the option: **Role-based or feature-based installation**. Click **NEXT** to continue.



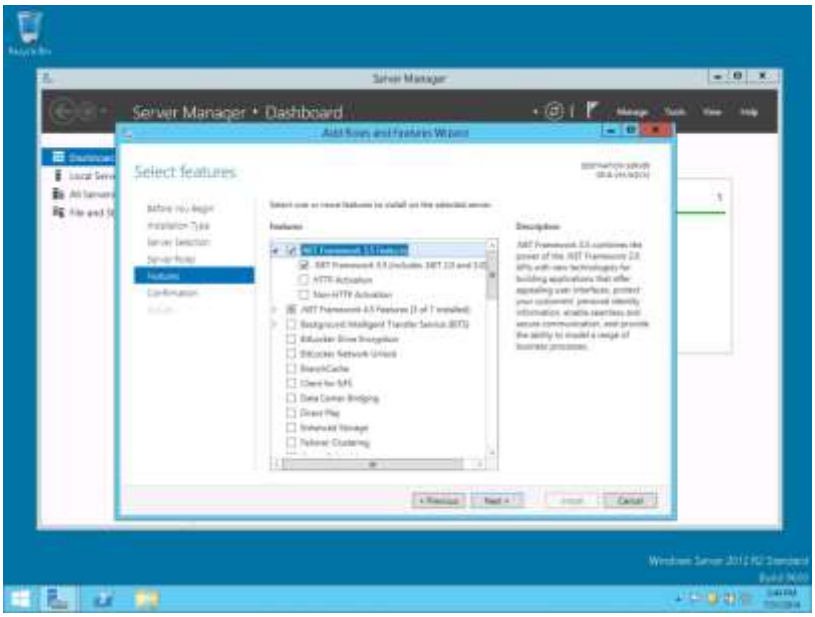
5. Select the option: **Select a server from the server pool list and**. Mark your Server from the list and click **NEXT** to continue.



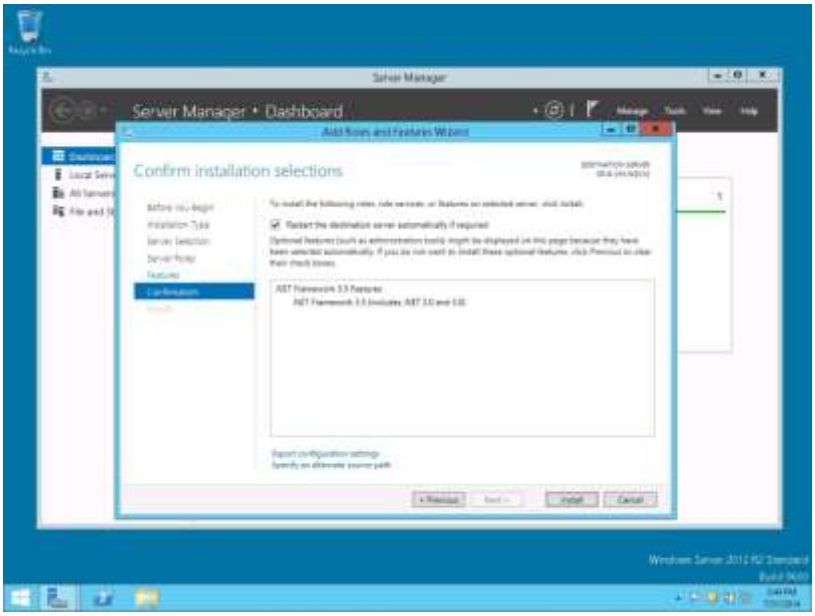
6. Click **NEXT** to continue without selecting any Roles.



7. Select the feature **.NET Framework 3.5 (includes .NET 2.0 and 3.0)** in the **Features** window and click **NEXT** to continue.



8. Mark the option: **Restart the destination server automatically if required.** Click **INSTALL** to install the selected features.

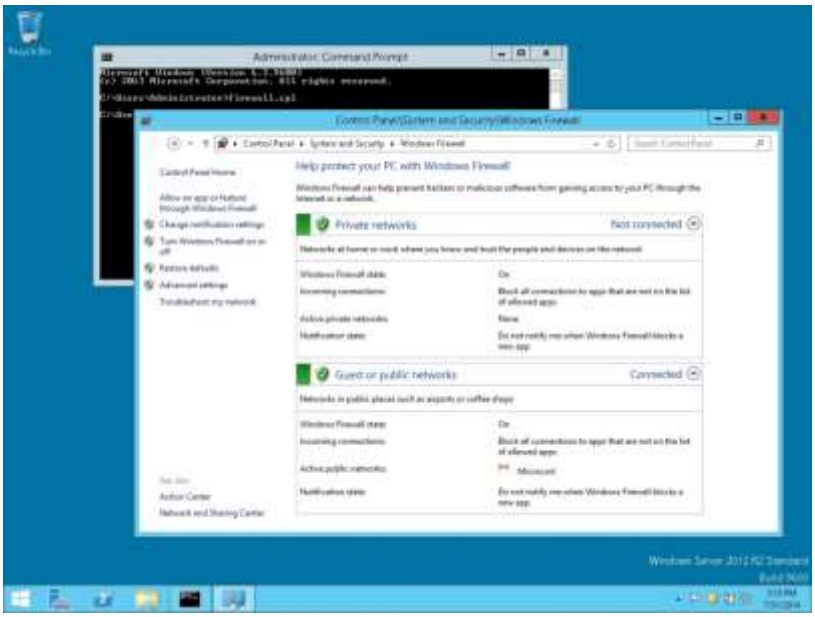


Disable the Firewall

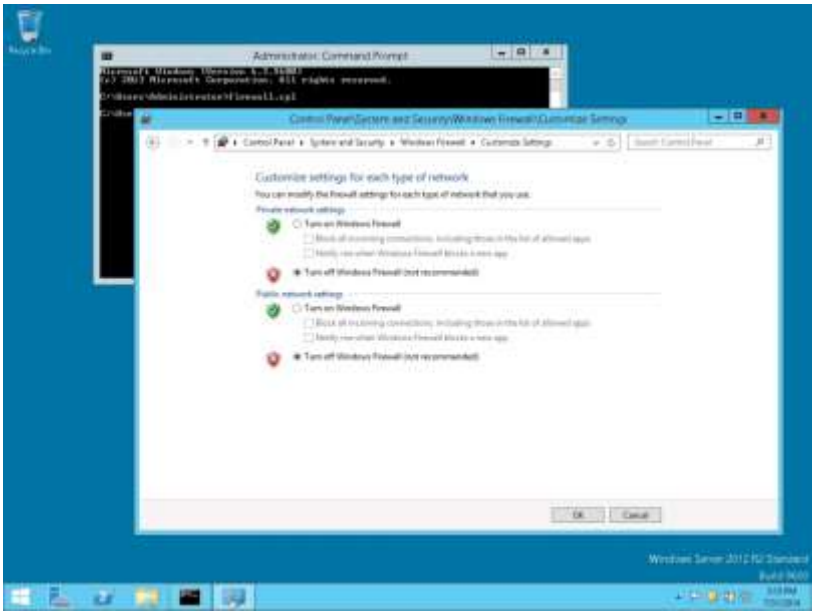
During the installation, it is necessary to disable the Windows Firewall and UAC (User Account Control). After the installation they need to be activated again.

1. Open a command prompt (with the option **Run as administrator**) and type **firewall.cpl** to launch the Firewall Configuration utility.

2. In the Firewall Control Panel, click **Turn Windows Firewall on or off** (upper left hand corner of the window).



3. Select **Turn off Windows Firewall (not recommended)** in the **Windows Firewall Settings** window and click **OK** to save the changes.

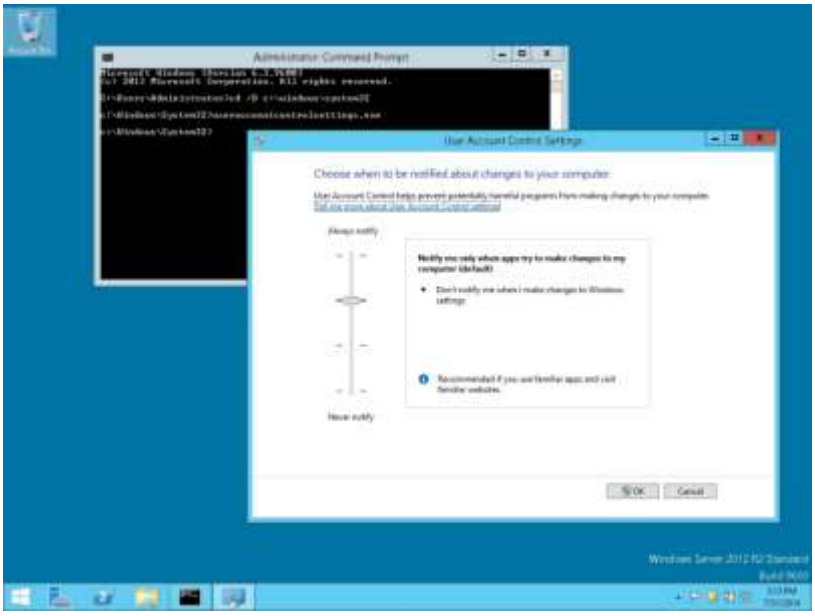


4. Close the Firewall Configuration utility.

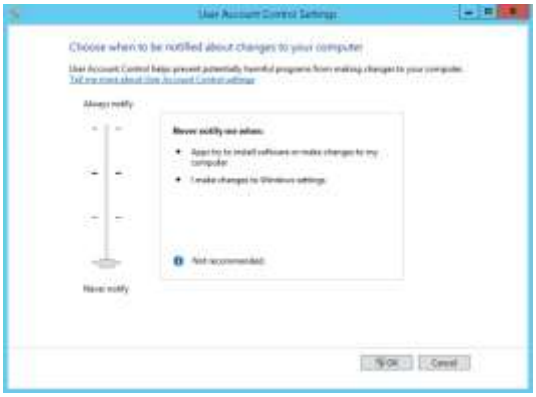
Disable User Access Control

1. Start the **User Access Control Configuration Assistant** by typing the following command:

   cd /D c:\windows\system32
   useraccountcontrolsettings.exe



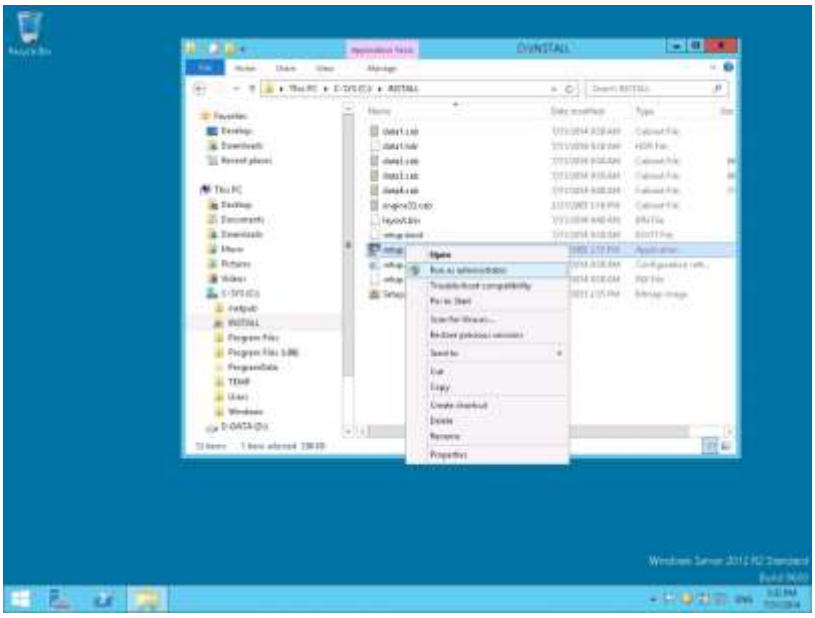
2. Turn off the notification by changing the UAC to **Never notify**. Click **OK** to save the changes.



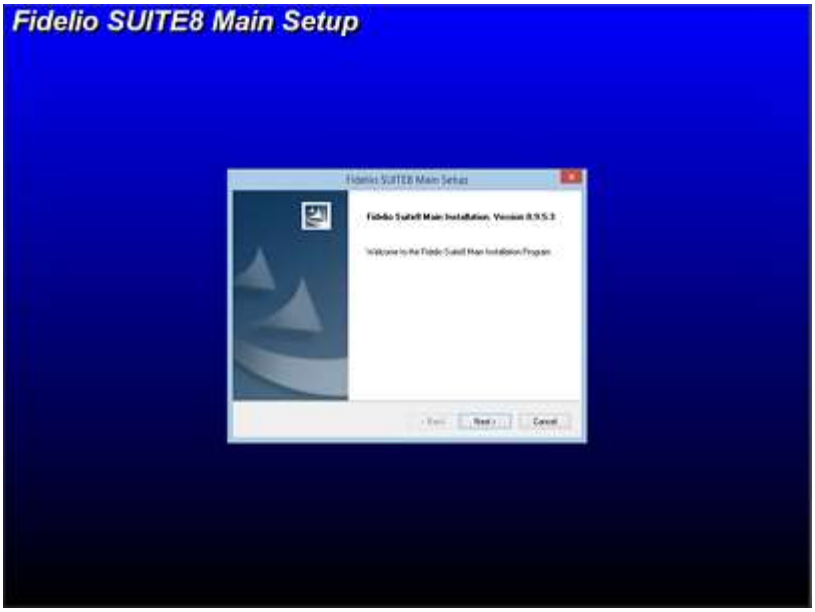
3. Restart the computer to Turn off the **User Account Control**.

Getting Started

1. Copy the Install shield files to a temporay directory, such as **C:\INSTALL**
2. To start the Suite8 installation, select the **setup.exe** from the Suite8 install directory. From the drop-down menu, select **Run as Administrator….**

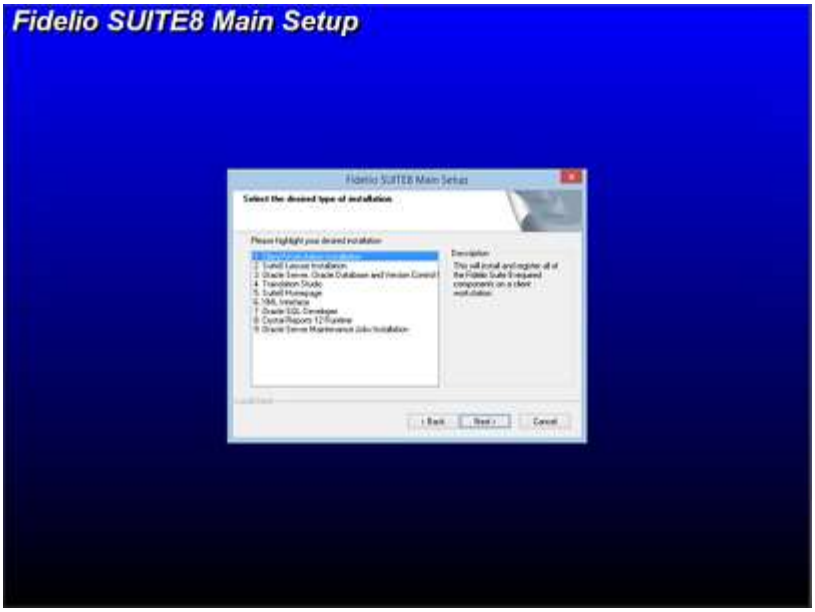


3. Click **Next** to continue.



4. Select the type of installation:

   - Client/Workstation Installation
   - Suite8 Leisure Installation
   - Oracle Server, Oracle Instance and Version Control Installation
   - Translation Studio
   - Suite8 Homepage
   - XML Interface
   - Oracle SQL Developer
   - Crystal Reports 12 Runtime
   - Oracle Server Maintenance Jobs Installation



Client/Workstation Installation

The client/workstation installation installs and registers all of the Suite8 required components such as Crystal 12 depending on the selection. It also detects if Oracle is installed or not.

Suite8 Leisure

Selecting Suite8 Leisure installs all the required components required to use the program module within the Suite8 application.

Oracle Server, Oracle Instance and Version Control Installation

If the option: '**Oracle Server, Oracle database and Version Control Installation** is selected, a search for an existing Oracle Installation is performed. If none is found then the install shield guides the Oracle Server Installation and creates an Oracle instance/database as well as Suite8 Schemas. All required files for Suite8 Version Control are also installed on the server.

Version Control is a tool to speed up the upgrade process. Once Version Control is active, the Suite8 program files can be placed in one location on the server and each time a user logs in, a check is performed ensuring that the correct version of the program files is located on the local drive of the machine. If the correct version is not located then it is copied over from the server.

Translation Studio

Selecting Translation Studio installs all required components for using Translation Studio. Translation Studio is a tool for translating program messages and database contents.

Suite8 Homepage

Selecting Suite8 Homepage installs Suite8 Homepage, the web booking engine.
For system requirements and setup information, please read the documentation for Suite8 Homepage.

XML Interface

Selecting **XML Interface** installs Suite8 XML Interface. This interface is required for example for Suite8 Homepage, Hotel Connector and various Interfaces such as VariBon and Hurdle XML Interface.

Install Oracle SQL Developer

Selecting Oracle SQL Developer installs all components for SQL Developer.

Crystal Reports 12 Runtime

Selecting this option installs Crystal 12 runtime files.

Oracle Server Maintenance Jobs Installation

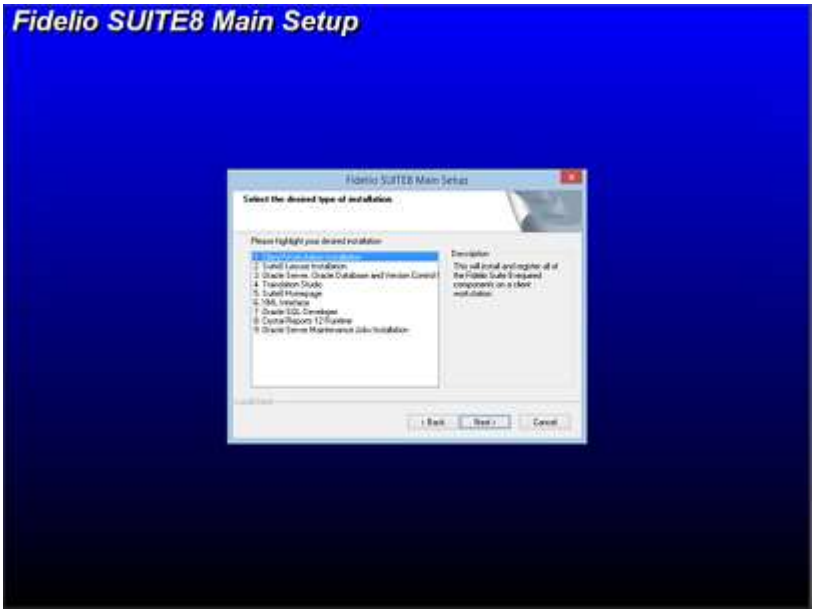
Selecting this option installs Oracle Backup and Maintenance Jobs and required files.

3 Installation of Suite8 Client

1. Copy the \CD2 directory from the Oracle 12cR1 or 11gR2 DVD to a temporay directory, such as C:\INSTALL

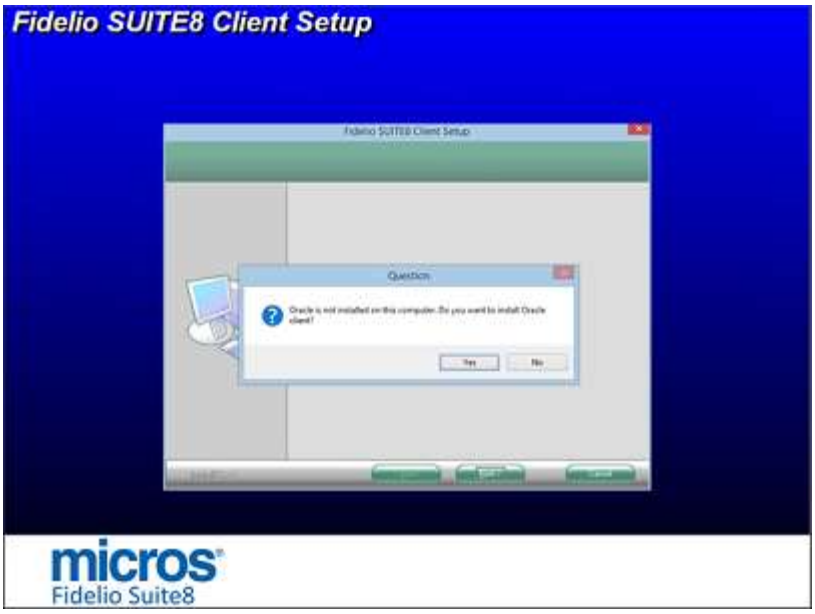
Note: Oracle Client Version 12cR1 (12.1.0.1/12.1.0.2) is not yet certificated for MFPOS8 and IFC8 installations. Please use the Oracle Client Version 11gR2 (11.2.0.4).

2. Select Client/Workstation Installation and click **Next** to continue.



3. The Oracle Client Install shield Wizard will be started. Click **Next** to continue.

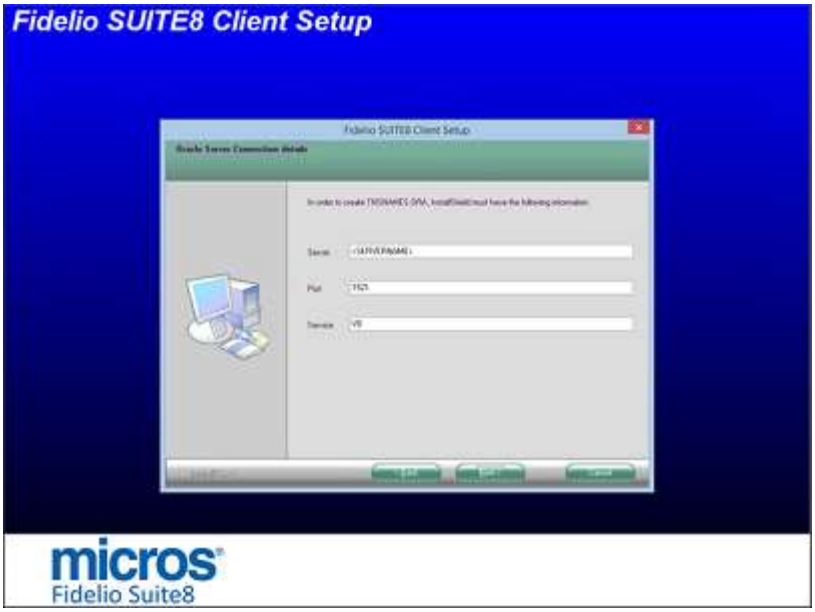
4. If the Oracle client software is not installed the following message is displayed. Click **Yes** to continue.



5. Select the path on your hard disk where the Oracle Installation DVD has been copied, such as **C:\INSTALL**. Click **Next** to continue.

6. Enter the Oracle home directory for the Oracle Client **C:\ORACLE**. Click **Next** to continue.

7. Enter the **Server** name or IP address for the Oracle Database Server. Click **Next** to continue.



8. Enter the NLS_LANG parameter which depends on the Operating System Locale. This Language value will be used for the Oracle communication between Suite8 Client and Oracle Database.

   The default value is: AMERICAN_AMERICA.WE8MSWIN1252.
   Click **Next** to continue.

Note: If you want to connect with the Oracle Client to an Oracle Database with Multilingual support (UNICODE), please use the NLS_CHARACTER_SET: AL32UTF8 (e.g. **AMERICAN_AMERICA.AL32UTF8**).

Note: The following NLS_LANG values are current supported:

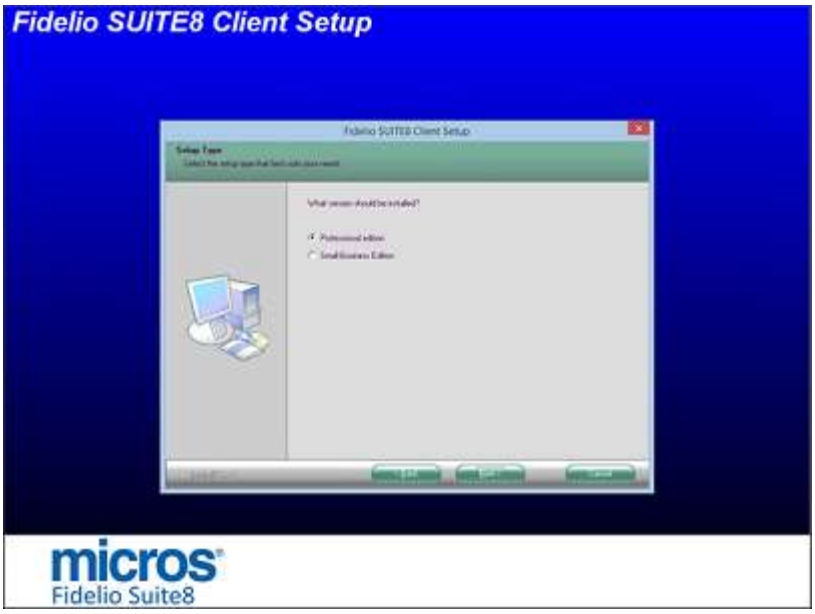
Operating System Locale	NLS_LANG Value
Arabic (U.A.E.)	ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256
Bulgarian	BULGARIAN_BULGARIA.CL8MSWIN1251
Catalan	CATALAN_CATALONIA.WE8MSWIN1252
Chinese (PRC)	SIMPLIFIED CHINESE_CHINA.ZHS16GBK
Chinese (Taiwan)	TRADITIONAL CHINESE_TAIWAN.ZHT16MSWIN950
Chinese (Hong Kong HKCS)	TRADITIONAL CHINESE_HONG KONG.ZHT16HKSCS
Chinese (Hong Kong HKCS2001)	TRADITIONAL CHINESE_HONG KONG.ZHT16HKSCS2001
Croatian	CROATIAN_CROATIA.EE8MSWIN1250
Czech	CZECH_CZECH REPUBLIC.EE8MSWIN1250
Danish	DANISH_DENMARK.WE8MSWIN1252
Dutch (Netherlands)	DUTCH_THE NETHERLANDS.WE8MSWIN1252
Dutch (Belgium)	DUTCH_BELGIUM.WE8MSWIN1252
English (United Kingdom)	ENGLISH_UNITED KINGDOM.WE8MSWIN1252
English (United States)	**AMERICAN_AMERICA.WE8MSWIN1252**
English (United States)	AMERICAN_AMERICA.WE8ISO8859P9
English (United States)	AMERICAN_AMERICA.AL32UTF8
Estonian	ESTONIAN_ESTONIA.BLT8MSWIN1257
Finnish	FINNISH_FINLAND.WE8MSWIN1252
French (Canada)	CANADIAN FRENCH_CANADA.WE8MSWIN1252
French (France)	FRENCH_FRANCE.WE8MSWIN1252
German (Germany)	GERMAN_GERMANY.WE8MSWIN1252
Greek	GREEK_GREECE.EL8MSWIN1253
Hebrew	HEBREW_ISRAEL.IW8MSWIN1255
Hungarian	HUNGARIAN_HUNGARY.EE8MSWIN1250
Icelandic	ICELANDIC_ICELAND.WE8MSWIN1252
Indonesian	INDONESIAN_INDONESIA.WE8MSWIN1252
Italian (Italy)	ITALIAN_ITALY.WE8MSWIN1252
Japanese	JAPANESE_JAPAN.JA16SJIS
Korean	KOREAN_KOREA.KO16MSWIN949

Latvian	LATVIAN_LATVIA.BLT8MSWIN1257
Lithuanian	LITHUANIAN_LITHUANIA.BLT8MSWIN1257
Norwegian	NORWEGIAN_NORWAY.WE8MSWIN1252
Polish	POLISH_POLAND.EE8MSWIN1250
Portuguese (Brazil)	BRAZILIAN PORTUGUESE_BRAZIL.WE8MSWIN1252
Portuguese (Portugal)	PORTUGUESE_PORTUGAL.WE8MSWIN1252
Romanian	ROMANIAN_ROMANIA.EE8MSWIN1250
Russian	RUSSIAN_CIS.CL8MSWIN1251
Slovak	SLOVAK_SLOVAKIA.EE8MSWIN1250
Spanish (Spain)	SPANISH_SPAIN.WE8MSWIN1252
Swedish	SWEDISH_SWEDEN.WE8MSWIN1252
Thai	THAI_THAILAND.TH8TISASCII
Spanish (Mexico)	MEXICAN SPANISH_MEXICO.WE8MSWIN1252
Spanish (Venezuela)	LATIN AMERICAN SPANISH_VENEZUELA.WE8MSWIN1252
Turkish	TURKISH_TURKEY.TR8MSWIN1254
Ukrainian	UKRAINIAN_UKRAINE.CL8MSWIN1251
Vietnamese	VIETNAMESE_VIETNAM.VN8MSWIN1258

9. Select **Client with Crystal 12**, if you want to install Crystal runtimes during the basis setup. Please check the version used in your property. Click **Next** to continue.

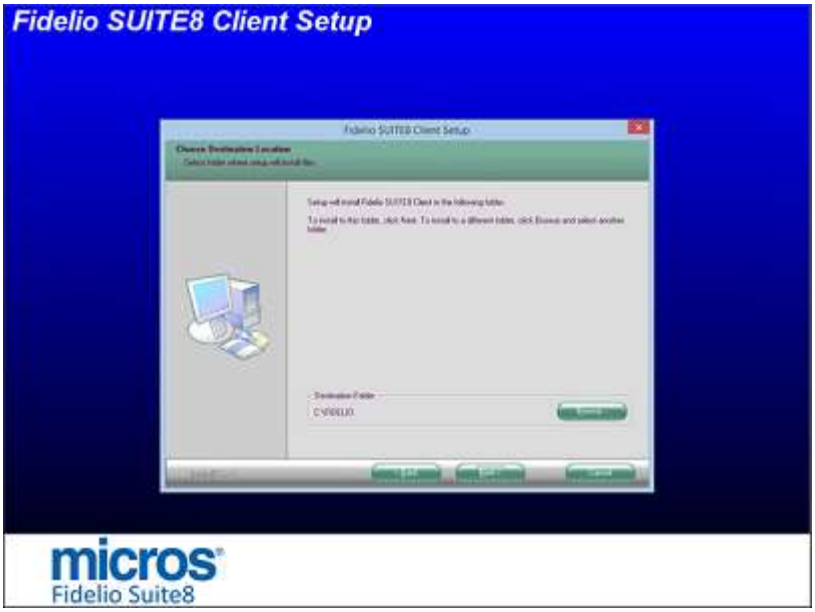
Note: Select **Client without Crystal runtime**, if you would like to install Crystal runtime manually.

10. Select either the Professional Edition or the Small Business Edition according to the license code received from Micros-Fidelio GmbH. Click **Next** to continue.



11. The next screen will display a read me text file detailing the installation process. This read me text contains the information listed under Prerequisites of the Oracle client/workstation installation. Read this information carefully and make sure that all required transactions have been completed. Click **Next** to continue.

12. The next step prompts with the path for the Fidelio program files, the default is: **C:\FIDELIO**. Select **Browse** to change the default path. Click **Next** to continue.



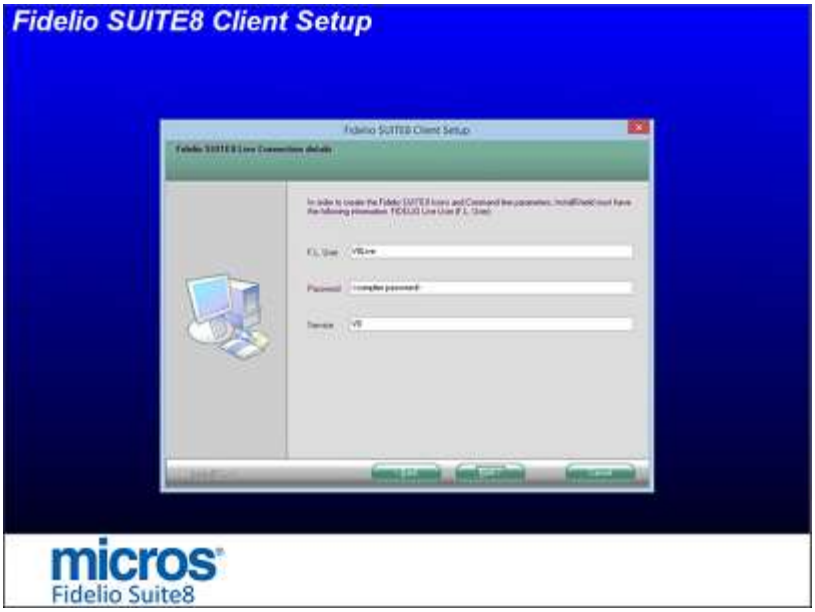
13. The setup program will create a Start Menu folder: **Fidelio Suite8**. If you want to create a different folder, select the required program folder from the list or enter the new folder name. Click **Next** to continue.

14. The following step requires the user and complex password to be entered to logon to the Suite8 live database and create the command line parameters. Click **Next** to continue.

Note: The **complex password** depends on the used V8LIVE user account password from the Oracle Database setup process.

Complexity requirements are:

- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,

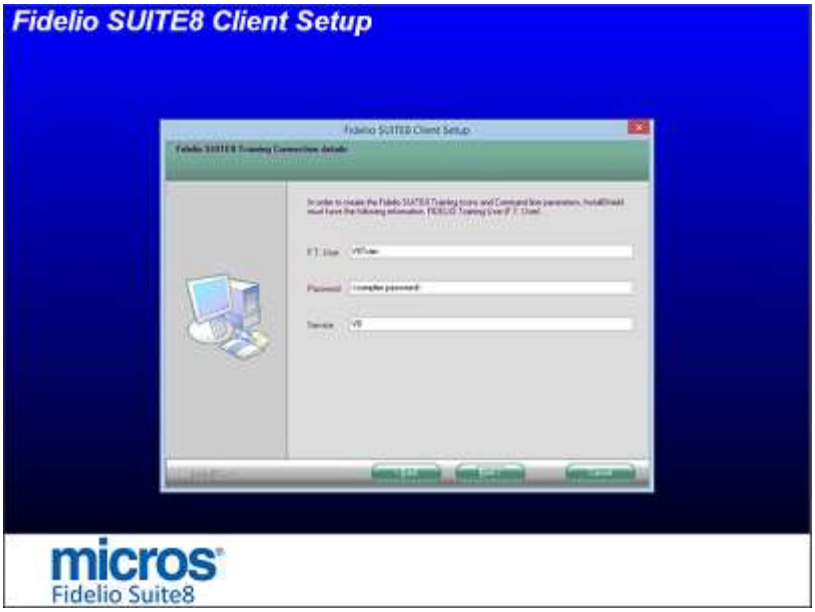


15. The next step is similar to the previous step, but requires the username and complex password to logon to the Suite8 training database and create the command line parameters. Click **Next** to continue.

Note: The **complex password** depends on the used V8TRAIN user account password from the Oracle Database setup process.

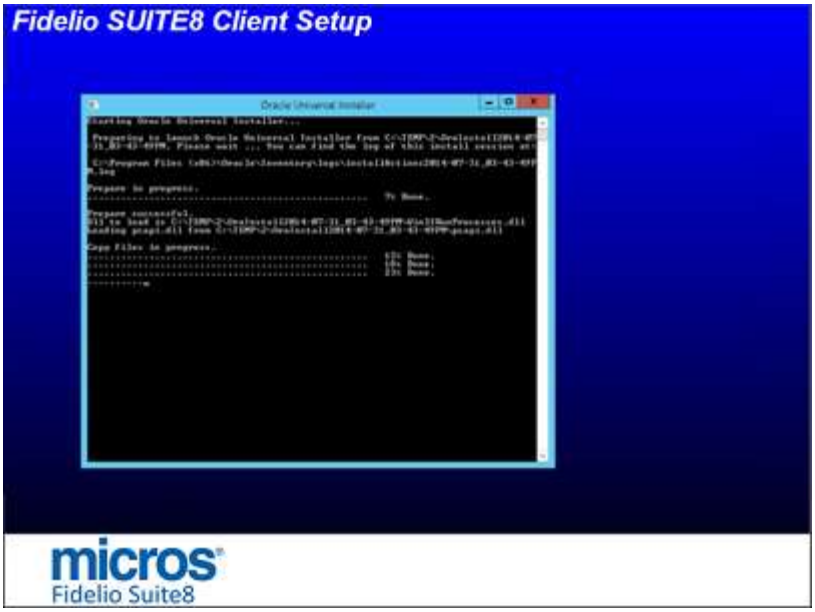
Complexity requirements are:

- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



16. The program folder and runtimes are now created and registered.

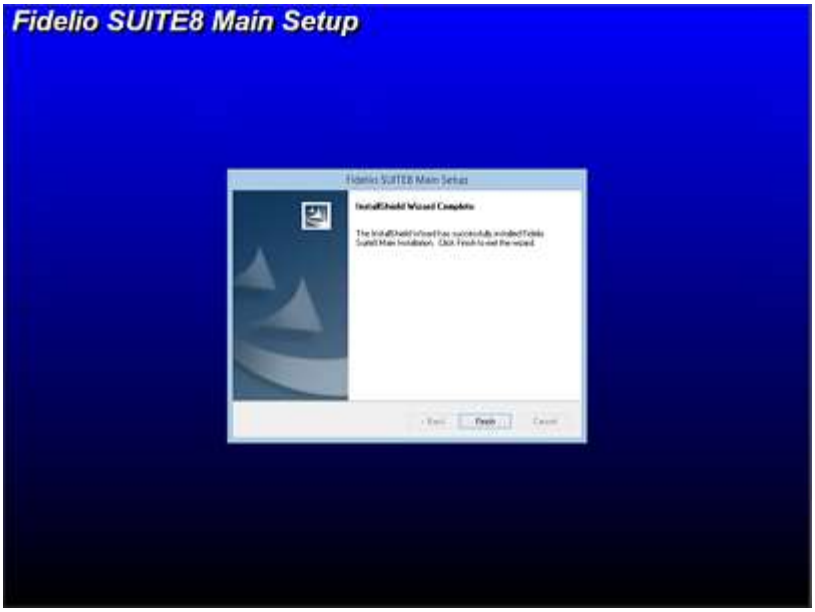
17. If the Oracle Client was not installed – the setup program will install the Oracle Client.



18. The install shield will register the Suite8 program modules install Crystal Reports 2008 Runtimes SP6.

19. The Oracle Client install shield displays a message upon completion. Click **Finish** to continue.

20. Click **Finish** to exit the Install shield Wizard.

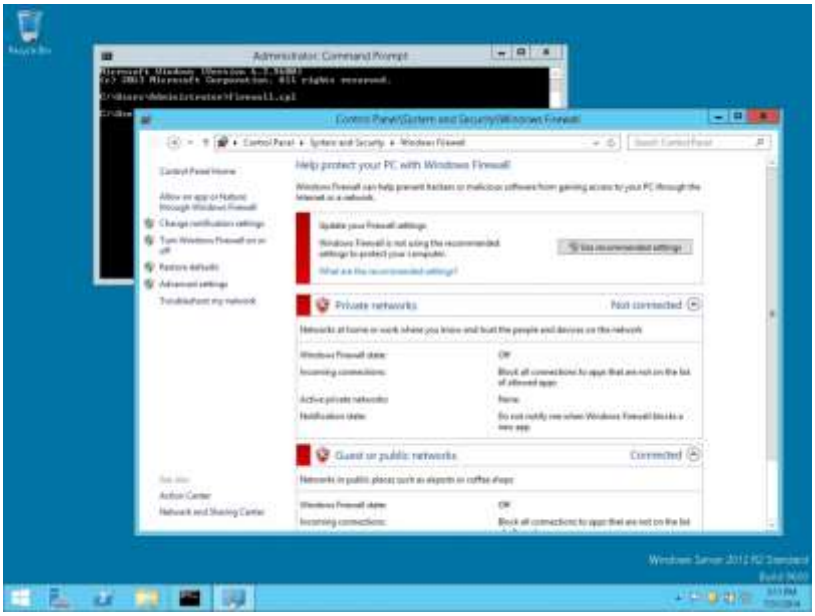


Enable the Firewall

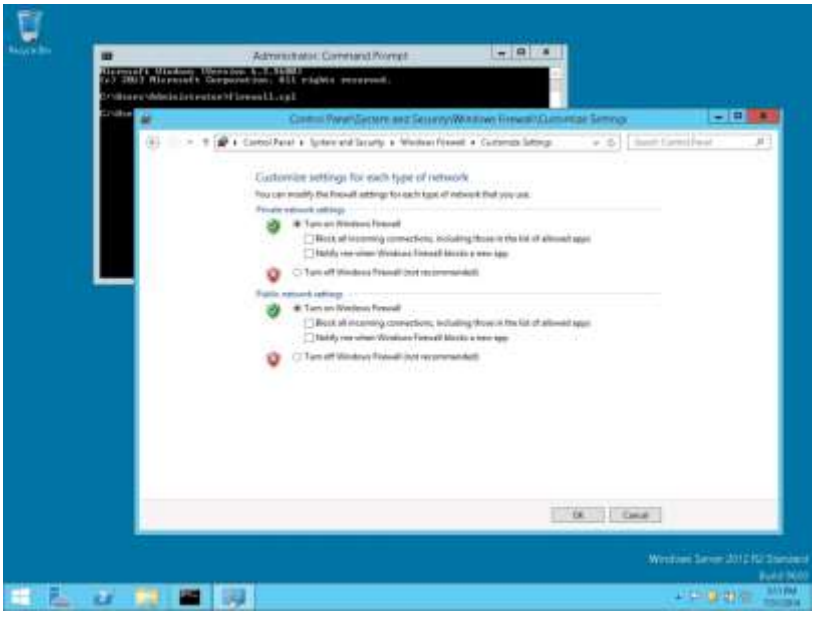
After the installation is completed, it is necessary to enable the Windows Firewall again and turn on the **UAC (User Account Control)**.

1. Open a command prompt (with the option **Run as administrator** and type **firewall.cpl** to launch the Firewall Configuration utility.

2. In the Firewall Control Panel, click **Turn Windows Firewall on or off** (upper left hand corner of the window).



3. Select **Turn on Windows Firewall** in the **Windows Firewall Settings** window and click **OK** to save the changes.

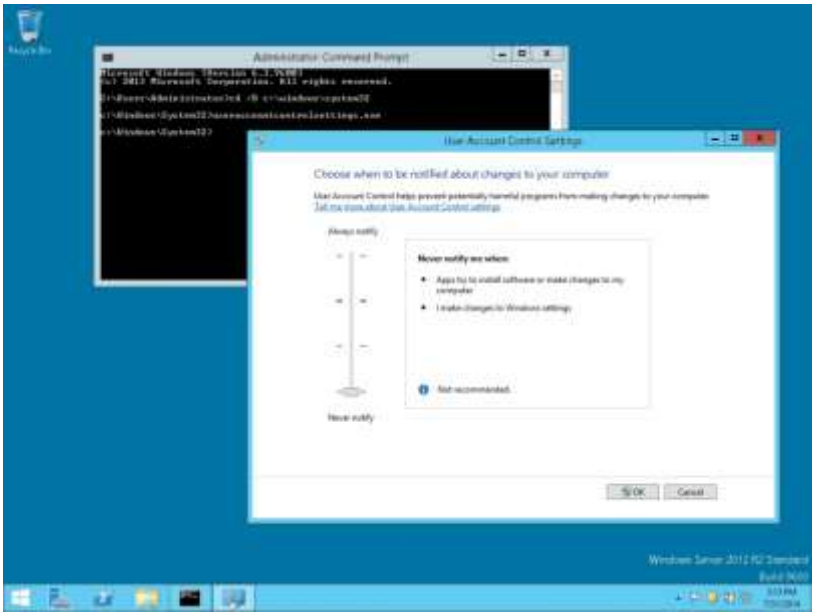


4. Close the Firewall Configuration utility.

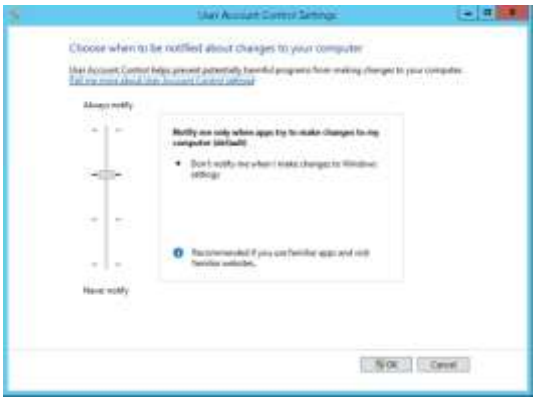
Enable User Access Control

1. Start the **User Access Control Configuration Assistant** by typing the following command:

```
cd /D c:\windows\system32
useraccountcontrolsettings.exe
```



2. Turn on the notification by changing the UAC to **Default**. Click **OK** to save the changes.



Change the User Access Rights for the Oracle Client/Suite8 Client files

1. Open a command prompt (with the option **Run as administrator**).

Type the following commands **for Oracle 12cR1 client**:

cd /D c:

icacls c:\oracle\12.1.0\client\network\admin* /grant Users:F /T /C

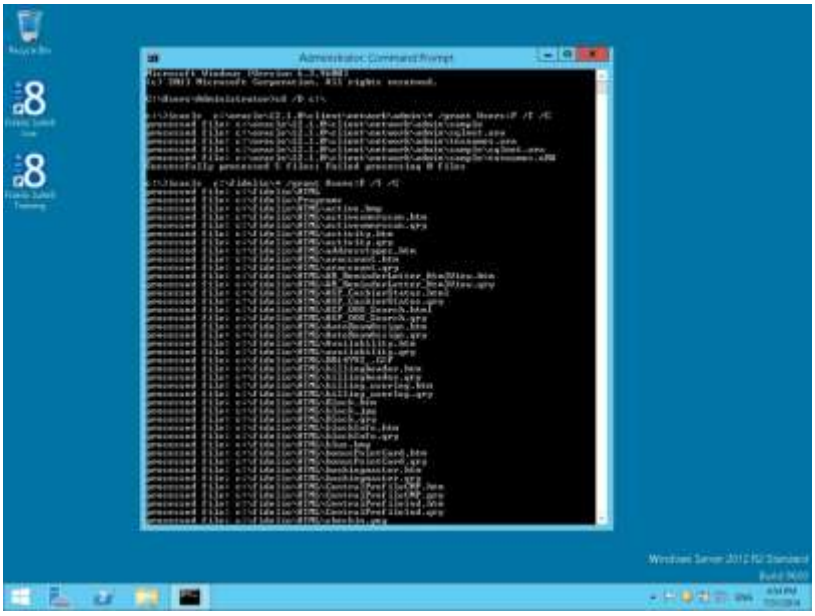
icacls c:\fidelio* /grant Users:F /T /C

Type the following commands **for Oracle 12cR1 client**:

cd /D c:

icacls c:\oracle\11.2.0\client\network\admin* /grant Users:F /T /C

icacls c:\fidelio* /grant Users:F /T /C



Note: For German installations, the following commands are used:

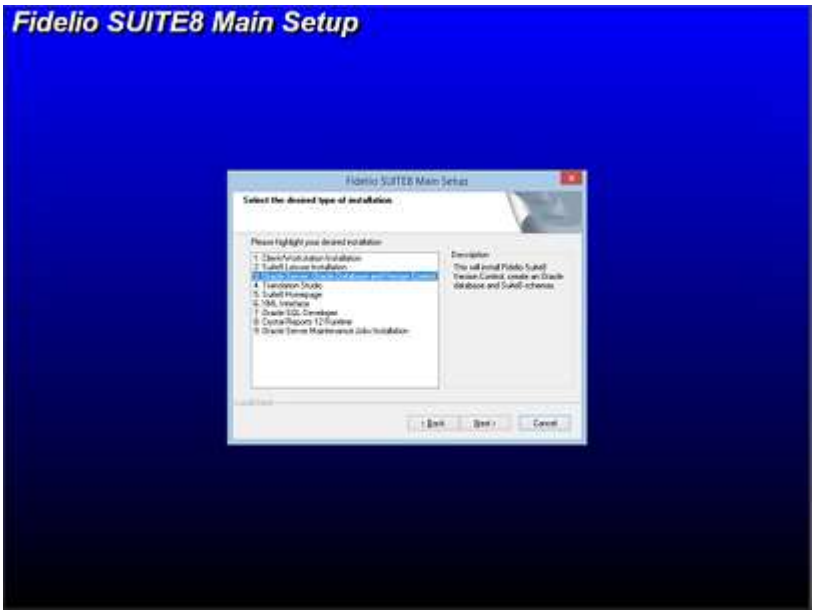
icacls c:\oracle\1x.x.0\client\network\admin* /grant Benutzer:F /T /C

icacls c:\fidelio* /grant Benutzer:F /T /C

4 Installation of the Suite8 Database

1. Copy the \CD1, \CD4 and CPU directory from the Oracle 12cR1 or 11gR2 DVD to a temporay directory, such as C:\INSTALL.

2. Select **Oracle Server, Oracle Instance and Schema Installation** and click **Next** to continue.



3. The Oracle Instance/Schema Setup Wizard will be started. Click **Next** to continue.

4. The next screen displays a read me text file detailing the installation process. Read this information carefully and make sure that all required transactions have been completed. Click **Next** to continue.

5. Select either the Oracle Database/Fidelio Suite8 Version Control or the Fidelio Suite8 Version Control option. The first option will install the Fidelio Suite8 Version Control, the Oracle database and the Night Auditor Reports Share. The second option will only install the Fidelio Suite8 Version Control and the Night Auditor Reports Share. Select the first option and click **Next** to continue.

6. If the Oracle Database software is not installed the following message is displayed. Click **Yes** to continue.

7. The next step prompts with the path for the Fidelio Version Control Base directory, the default is: **D:\FIDELIO**. Select **Browse** to change the default path. The install shield performs the following tasks:

   Creates the following sub directories on the Version Control Base directory (for example: **D:\FIDELIO**):
   \PROGRAMS
   \HTML
   \VERSIONCTRL

   Copies all the Fidelio Suite8 files to the directories: .**\PROGRAMS, .\HTML** and **.\VERSIONCTRL** and creates a Windows Share: VersionCtrl$ for the Version Control Base directory.

   Click **Next** to continue.

8. The following step requires the complex password to be entered for the Windows User account (Suite8.VerCtrl) for the Fidelio Version Control Share/Fidelio Night Auditor Report Share. Click **Next** to continue.

   Complexity requirements are:
   - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
   - Minimum password length of 12 characters
   - First character of password MUST be a character
   - Password must contain at least 1 Lowercase character (a through z)
   - Password must contain at least 1 Uppercase character (A through Z)
   - Password must contain at least 1 digit (0 through 9)
   - Password can contain special character: !*()_-+{[}]@~#.,

9. The next step prompts with the path for the Fidelio Night Auditor Report Share directory, the default is: **D:\MFHOTEL\1MFHOTEL**. Select **Browse** to change the default path. The install shield performs the following tasks:

   Creates the following sub directory on the Night Auditor Reports Share directory (for example: **D:\MFHOTEL\1MFHOTEL**):
   \NAReports

   Creates a Windows Share: 1MFHOTEL$ for the Night Auditor Report Share directory.

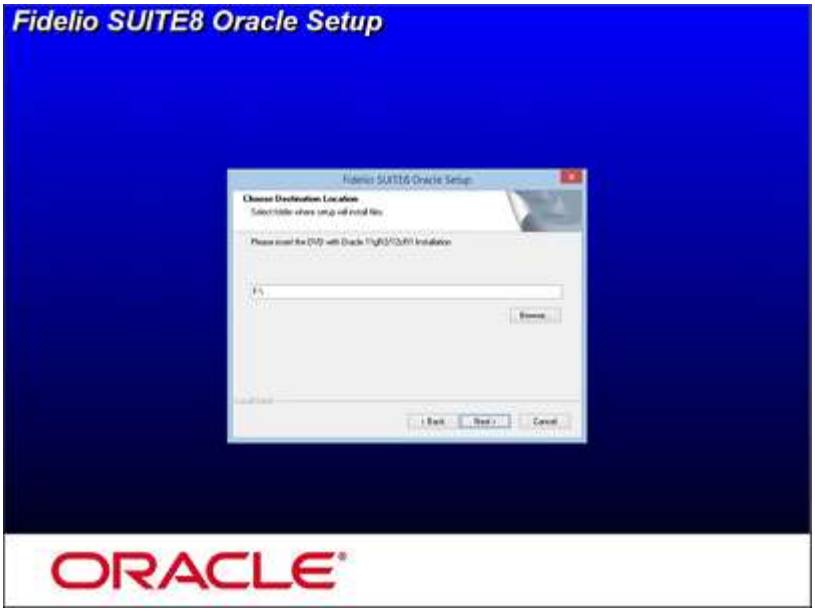
   Click **Next** to continue.

10. Select either the Professional Edition or the Small Business Edition according to the license code received from Micros-Fidelio GmbH. Click **Next** to continue.

11. The setup program will create a Start Menu folder: Fidelio Suite8. If you want to create a different folder, select the required program folder from the list or enter the new folder name. Click **Next** to continue.

12. The Fidelio Version Control folders, the Night Auditor Reports Share folder and the Shares are now created.

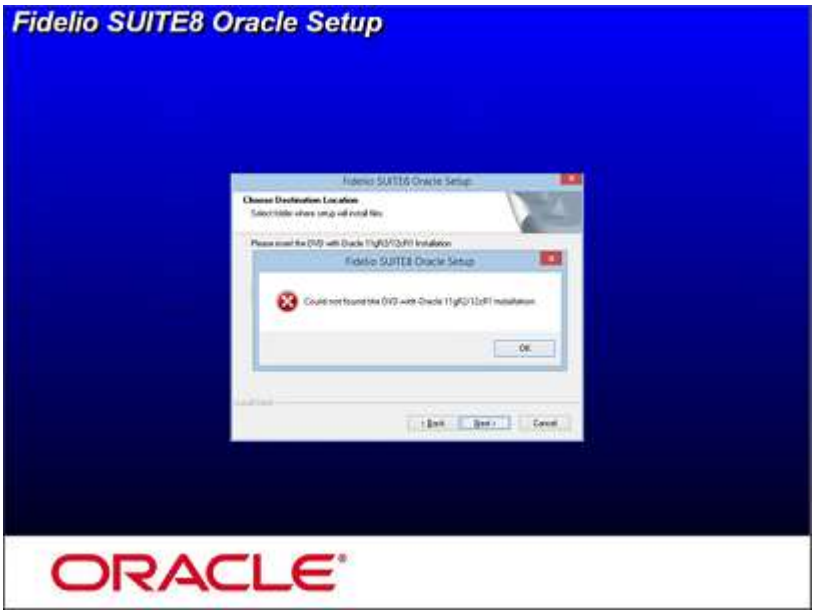
13. Select the path on your hard disk where the Oracle Installation DVD has been copied to, such as **C:\INSTALL**. Click **Next** to continue.



Note: After selecting the path where the Oracle Installation DVD has been copied to, the system checks the Oracle DVD Version.

- Oracle 64-bit Version, supported on AMD64/EM64T and Intel Processor Chips that adhere to the x86-64 architecture.
- Running 32-bit Oracle Database server on 64-bit OS is not supported.

If the install wizard cannot find the correct Oracle Version DVD, the following message will be displayed.



14. If the selected Oracle Database DVD directory is 12c, the Database Type has to be selected. The following setup types are available:

- Oracle 12c Database (Preferred)
- Oracle 12c Multitenant Database

Note: The selection of the option: Oracle 12c Multitenant Database requires "**Experience**" with Oracle 12c Multitenent Databases.

- Architecture Overview

  A new option for Oracle Database 12c, Oracle Multitenant delivers a new architecture that allows a multitenant container database to hold many pluggable databases. An existing database can simply be adopted with no application changes required. Oracle Multitenant fully complements other options, including Oracle Real Application Clusters and Oracle Active Data Guard.

- High Consolidation Density

  The many pluggable databases in a single multitenant container database share its memory and background processes. This enables consolidation of many more pluggable databases compared to the old architecture, offering similar benefits to schema-based consolidation but with none of the major application changes required by that approach.

- Rapid Provisioning and Cloning Using SQL

  Creating pluggable databases, moving pluggable databases between containers, and cloning pluggable databases are done with new SQL commands and take just seconds. When the underlying file system supports thin provisioning many terabytes can be cloned almost instantaneously simply by using the keywords "snapshot copy" in the SQL command.

- New Paradigms for Rapid Patching and Upgrades

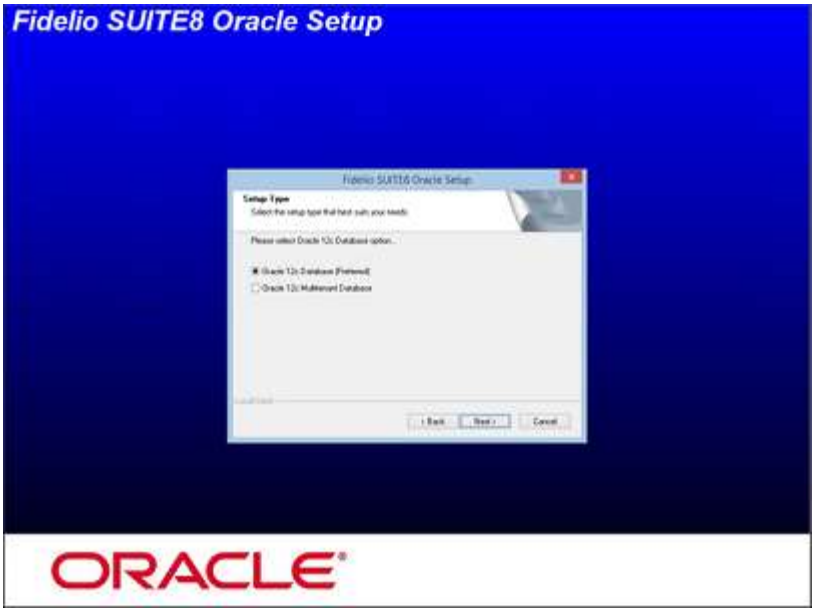
  The investment of time and effort to patch one multitenant container database results in patching all of its many pluggable databases. To patch a single pluggable database, you simply unplug/plug to a multitenant container database at a different Oracle Database software version.

- Manage Many Databases as One

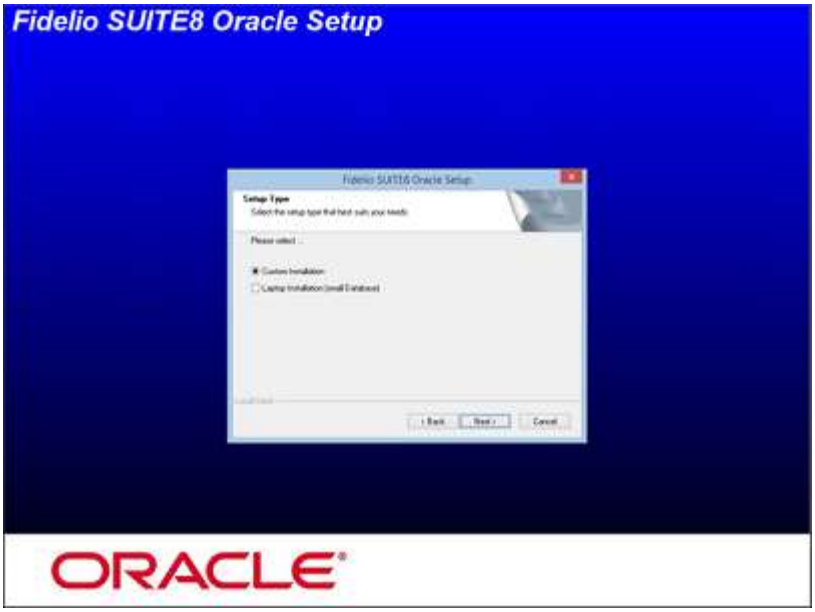
  By consolidating existing databases as pluggable databases, administrators can manage many databases as one. For example, tasks such as backup and disaster recovery are performed at the multitenant container database level.

- Pluggable Database Resource Management

  By consolidating existing databases as pluggable databases, administrators can manage many databases as one. For example, tasks such as backup and disaster recovery are performed at the multitenant container database level.



15. Select the Setup Type, the following options are available:
    - Custom Installation.
    - Laptop Installation



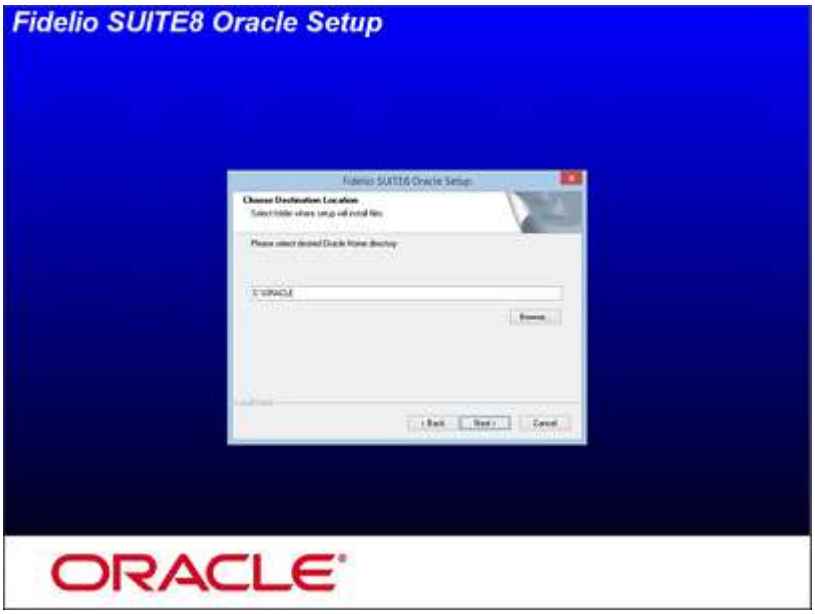
16. If the installation should be a customized configured Oracle database, select the Installation type: **Laptop Install (small database)** or **Custom Install**.

With these options you can define the following parameters:

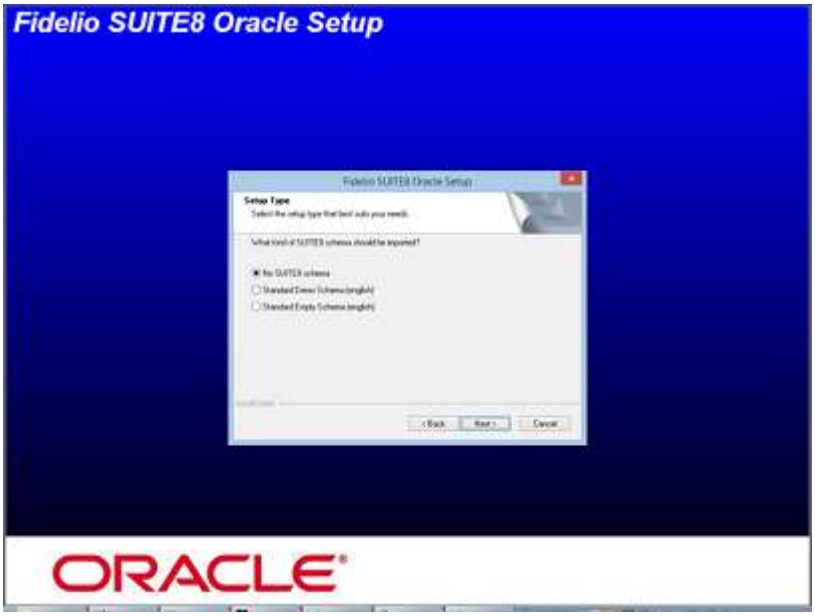
- Online Redo Log Path
- Oracle Tablespace Path
- NLS_LANG (Character Set)
- National Character Set
- Oracle SID
- V8MAIN tablespace size
- V8CONF tablespace size
- V8LARGE tablespace size
- V8INDEX tablespace size
- V8TEMP tablespace size

Note: The **Laptop Install (small database) option** installs the Oracle Database without ARCHIVE MODE.

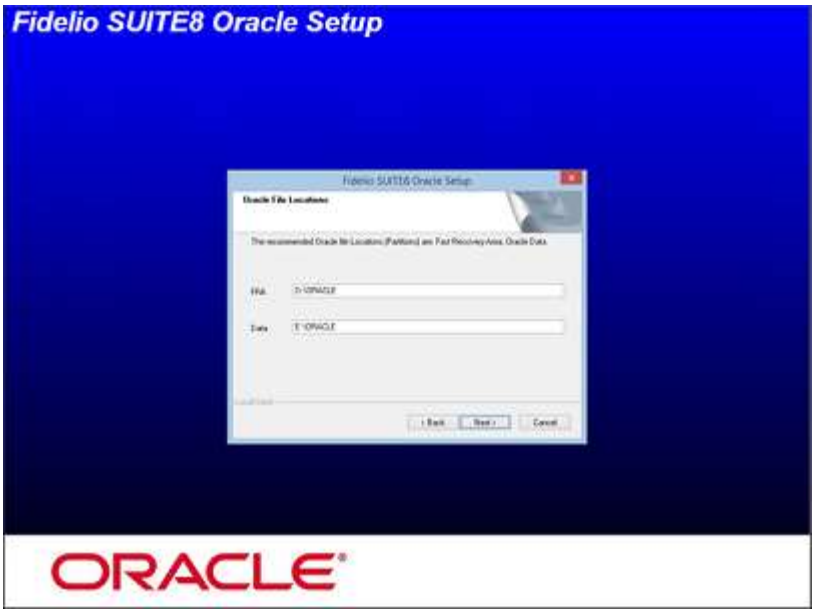
17. Enter the Oracle home directory for the Oracle Database **C:\ORACLE**. Click **Next** to continue.



18. Select the database import type: **Standard demo (English)**. Click **Next** to continue.



19. Enter the path for the Online Redo Log files and the Oracle Tablespace files. The default for Online Redo Log files is: **D:\ORACLE**. The default for Tablespace files is: **E:\ORACLE**. Click **Next** to continue.



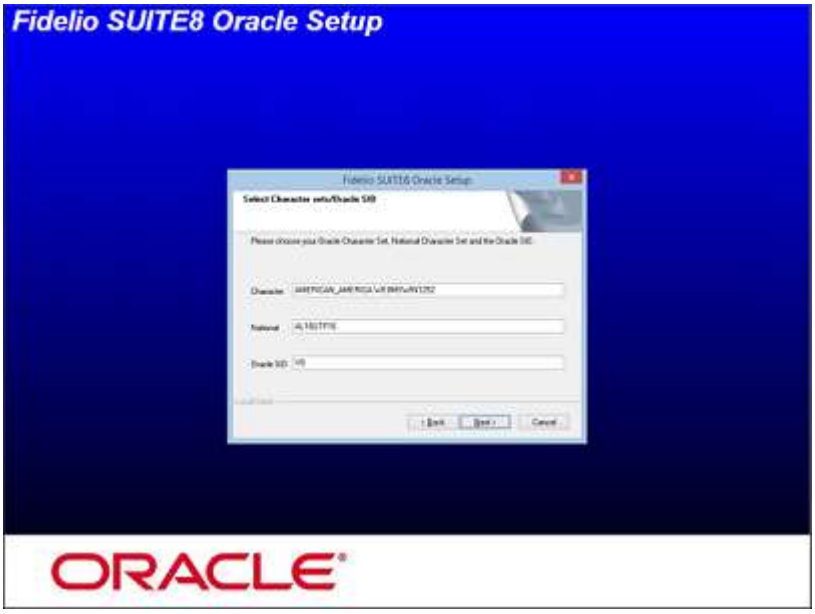
20. Enter the values for the NLS_LANG (Character Set) of the Oracle Database. The default NLS_LANG (Character Set) is: **AMERICAN_AMERICA.WE8MSWIN1252**. The default National Character Set is: **AL16UTF16**. Enter the value for the Oracle SID of the Oracle Database. The default Oracle SID is: **V8**. Click **Next** to continue.

Note: If the installation should support different languages/characters - for example Arabic characters – you need to change the value for **NLS_LANG (Character Set)** for example: **ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256**.

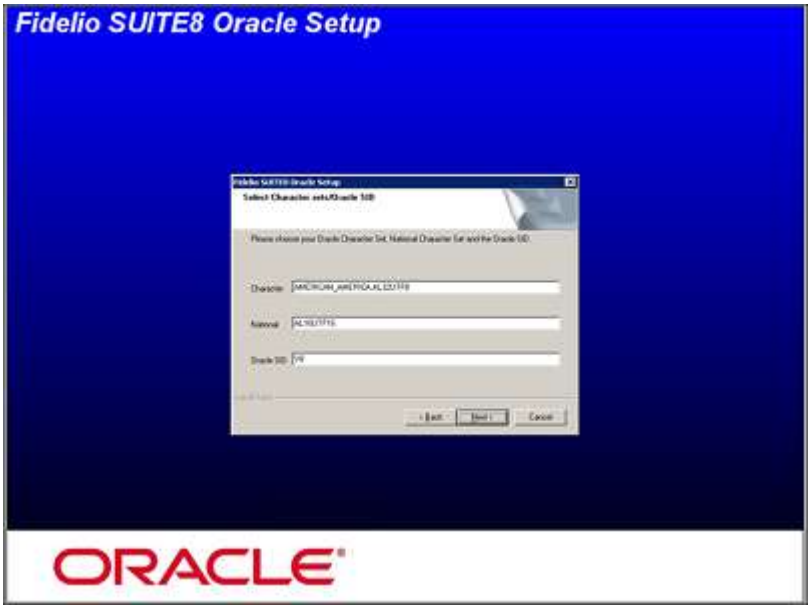
The following NLS_LANG values are current supported:

Operating System Locale	NLS_LANG Value
Arabic (U.A.E.)	ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256
Bulgarian	BULGARIAN_BULGARIA.CL8MSWIN1251
Catalan	CATALAN_CATALONIA.WE8MSWIN1252
Chinese (PRC)	SIMPLIFIED CHINESE_CHINA.ZHS16GBK
Chinese (Taiwan)	TRADITIONAL CHINESE_TAIWAN.ZHT16MSWIN950
Chinese (Hong Kong HKCS)	TRADITIONAL CHINESE_HONG KONG.ZHT16HKSCS
Chinese (Hong Kong HKCS2001)	TRADITIONAL CHINESE_HONG KONG.ZHT16HKSCS2001
Croatian	CROATIAN_CROATIA.EE8MSWIN1250
Czech	CZECH_CZECH REPUBLIC.EE8MSWIN1250
Danish	DANISH_DENMARK.WE8MSWIN1252
Dutch (Netherlands)	DUTCH_THE NETHERLANDS.WE8MSWIN1252
Dutch (Belgium)	DUTCH_BELGIUM.WE8MSWIN1252
English (United Kingdom)	ENGLISH_UNITED KINGDOM.WE8MSWIN1252
English (United States)	**AMERICAN_AMERICA.WE8MSWIN1252**
English (United States)	AMERICAN_AMERICA.WE8ISO8859P9
English (United States)	AMERICAN_AMERICA.AL32UTF8
Estonian	ESTONIAN_ESTONIA.BLT8MSWIN1257
Finnish	FINNISH_FINLAND.WE8MSWIN1252
French (Canada)	CANADIAN FRENCH_CANADA.WE8MSWIN1252
French (France)	FRENCH_FRANCE.WE8MSWIN1252
German (Germany)	GERMAN_GERMANY.WE8MSWIN1252
Greek	GREEK_GREECE.EL8MSWIN1253
Hebrew	HEBREW_ISRAEL.IW8MSWIN1255
Hungarian	HUNGARIAN_HUNGARY.EE8MSWIN1250
Icelandic	ICELANDIC_ICELAND.WE8MSWIN1252
Indonesian	INDONESIAN_INDONESIA.WE8MSWIN1252
Italian (Italy)	ITALIAN_ITALY.WE8MSWIN1252
Japanese	JAPANESE_JAPAN.JA16SJIS
Korean	KOREAN_KOREA.KO16MSWIN949
Latvian	LATVIAN_LATVIA.BLT8MSWIN1257
Lithuanian	LITHUANIAN_LITHUANIA.BLT8MSWIN1257

Norwegian	NORWEGIAN_NORWAY.WE8MSWIN1252
Polish	POLISH_POLAND.EE8MSWIN1250
Portuguese (Brazil)	BRAZILIAN PORTUGUESE_BRAZIL.WE8MSWIN1252
Portuguese (Portugal)	PORTUGUESE_PORTUGAL.WE8MSWIN1252
Romanian	ROMANIAN_ROMANIA.EE8MSWIN1250
Russian	RUSSIAN_CIS.CL8MSWIN1251
Slovak	SLOVAK_SLOVAKIA.EE8MSWIN1250
Spanish (Spain)	SPANISH_SPAIN.WE8MSWIN1252
Swedish	SWEDISH_SWEDEN.WE8MSWIN1252
Thai	THAI_THAILAND.TH8TISASCII
Spanish (Mexico)	MEXICAN SPANISH_MEXICO.WE8MSWIN1252
Spanish (Venezuela)	LATIN AMERICAN SPANISH_VENEZUELA.WE8MSWIN1252
Turkish	TURKISH_TURKEY.TR8MSWIN1254
Ukrainian	UKRAINIAN_UKRAINE.CL8MSWIN1251
Vietnamese	VIETNAMESE_VIETNAM.VN8MSWIN1258

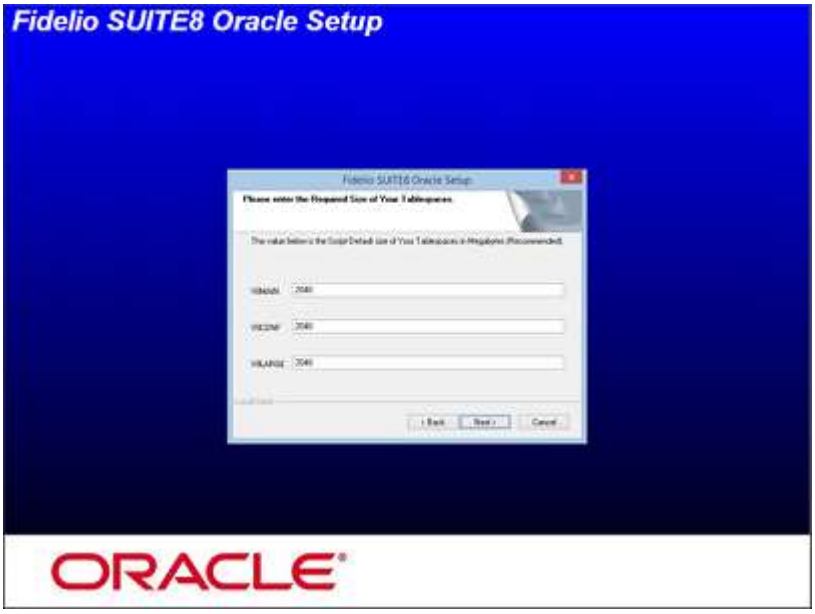


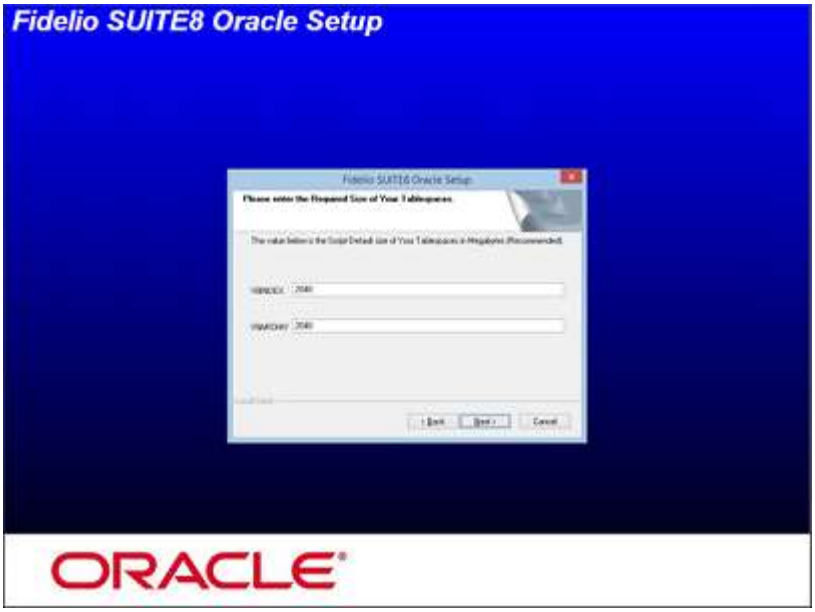
Note: If you want to create an Oracle Database with Multilingual support (UNICODE), please use the NLS_CHARACTER_SET: AL32UTF8 (e.g. **AMERICAN_AMERICA.AL32UTF8**) and the NLS_NCHAR_CHARACTERSET: AL16UTF16.



21. Enter the size for the Oracle Suite8 tablespace files. The default size for each tablespace is: **2048 (MB).** Click **Next** to continue.

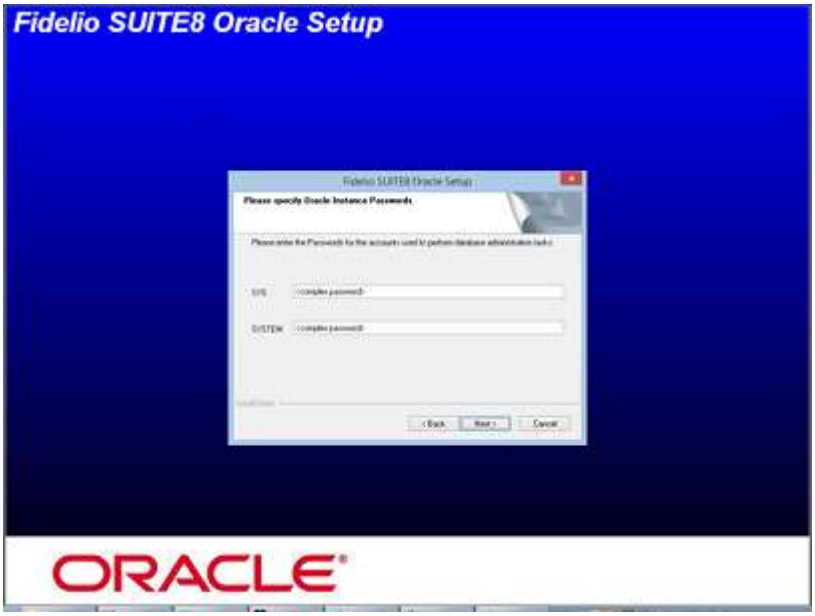
Note: Each Suite8 tablespace file is automatically expanded to 32 GB.





22. If you have **not selected** the **Oracle 12c Multitenant Database** option, the following step requires the complex password to be entered for the Oracle SYS and SYSTEM account. Click **Next** to continue.

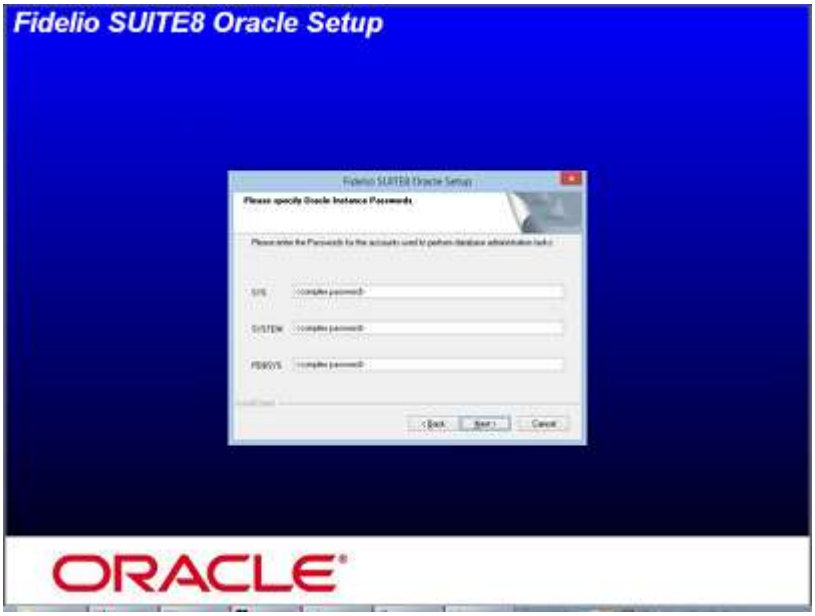
    Complexity requirements are:
    - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
    - Minimum password length of 8 characters
    - First character of password MUST be a character
    - Password must contain at least 1 Lowercase character (a through z)
    - Password must contain at least 1 Uppercase character (A through Z)
    - Password must contain at least 1 digit (0 through 9)
    - Password can contain special character: !*()_-+{[}]@~#.,



23. If you have **selected** the **Oracle 12c Multitenant Database** option, the following step requires the complex password to be entered for the Oracle SYS, SYSTEM and PDBSYS account. Click **Next** to continue.

Complexity requirements are:

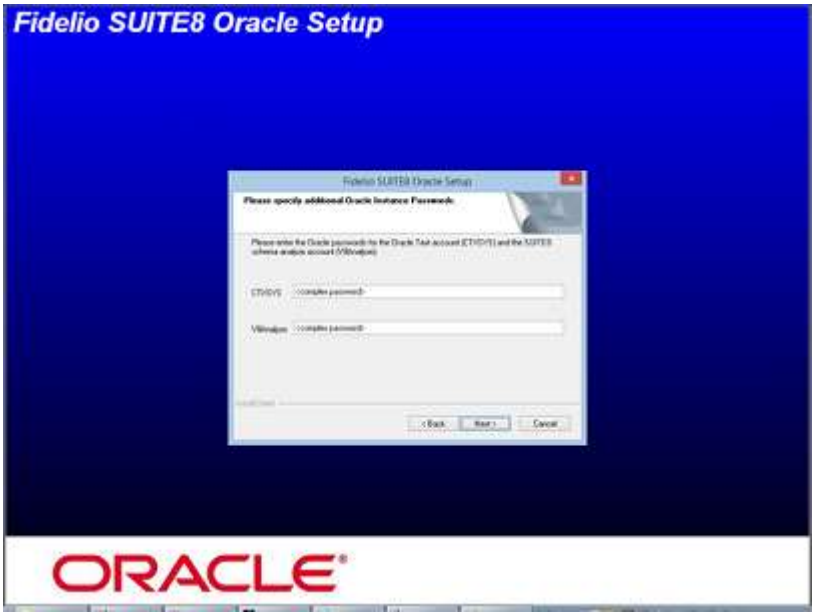
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



24. The following step requires the complex password to be entered for the Oracle CTXSYS and SUITE8 Analyzer account. Click **Next** to continue.

Complexity requirements are:

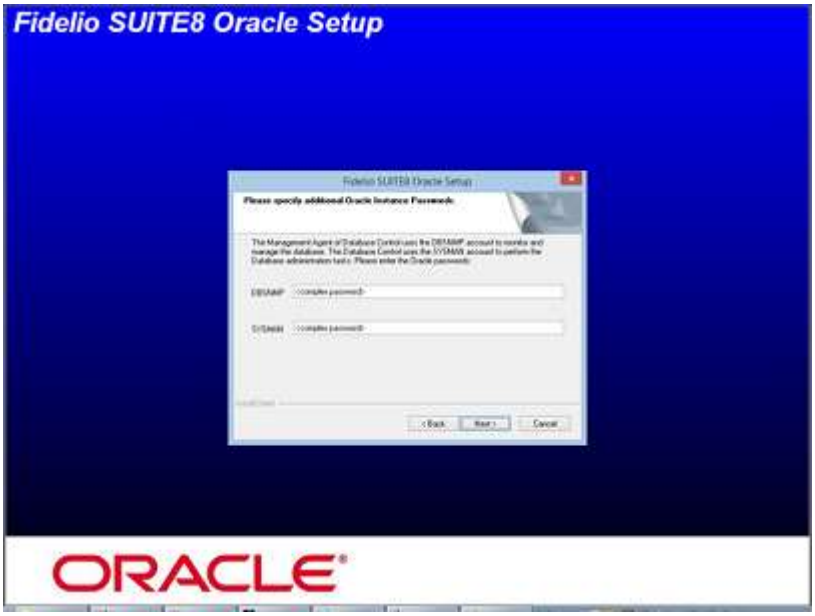
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



Note: The Oracle user account CTXSYS is required for the Oracle Database feature: Oracle Text.

25. If you install an **Oracle 11g Database**, the following step requires the complex password to be entered for the Oracle DBSNMP and SYSMAN account. Click **Next** to continue.

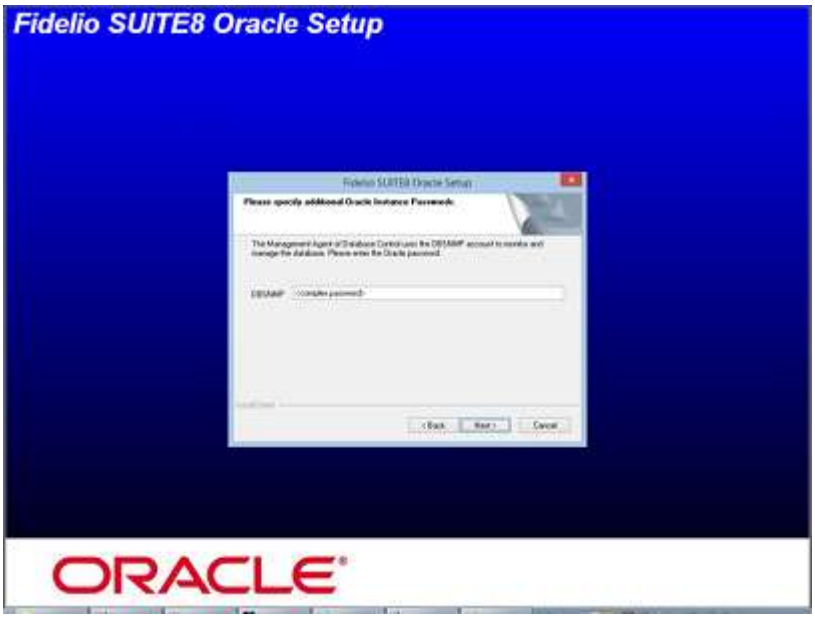
    Complexity requirements are:
    - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
    - Minimum password length of 8 characters
    - First character of password MUST be a character
    - Password must contain at least 1 Lowercase character (a through z)
    - Password must contain at least 1 Uppercase character (A through Z)
    - Password must contain at least 1 digit (0 through 9)
    - Password can contain special character: !*()_-+{[}]@~#.,



26. If you install an **Oracle 12c Database**, the following step requires the complex password to be entered for the Oracle DBSNMP account. Click **Next** to continue.

Complexity requirements are:

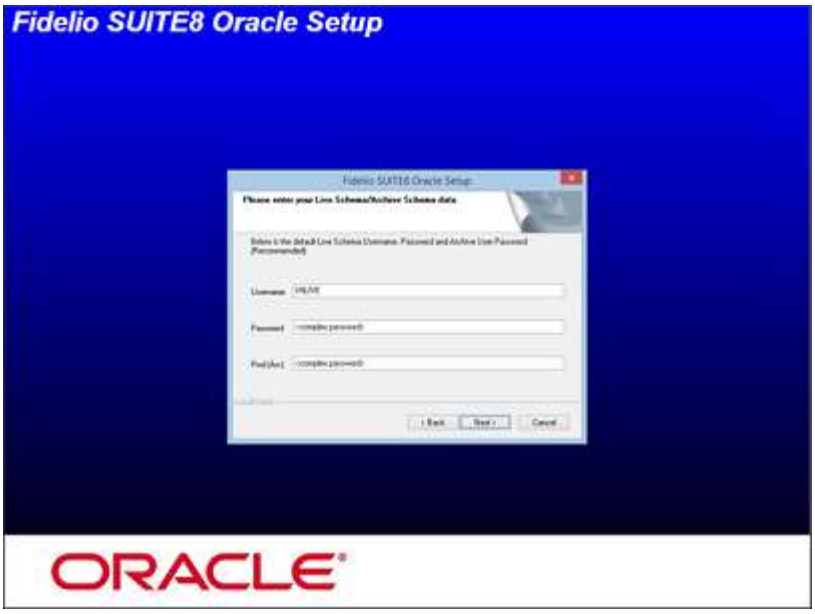
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



Note: The Management Agent of Database Control uses the DBSNMP account to monitor and manage the database. The Database Control uses the SYSMAN account to perform the Database administration tasks.

27. The following step requires the user and complex passwords to be entered to create the Suite8 live/Suite8 Archive livedatabase account. Click **Next** to continue.

    Complexity requirements are:
    - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
    - Minimum password length of 8 characters
    - First character of password MUST be a character
    - Password must contain at least 1 Lowercase character (a through z)
    - Password must contain at least 1 Uppercase character (A through Z)
    - Password must contain at least 1 digit (0 through 9)
    - Password can contain special character: !*()_-+{[}]@~#.,

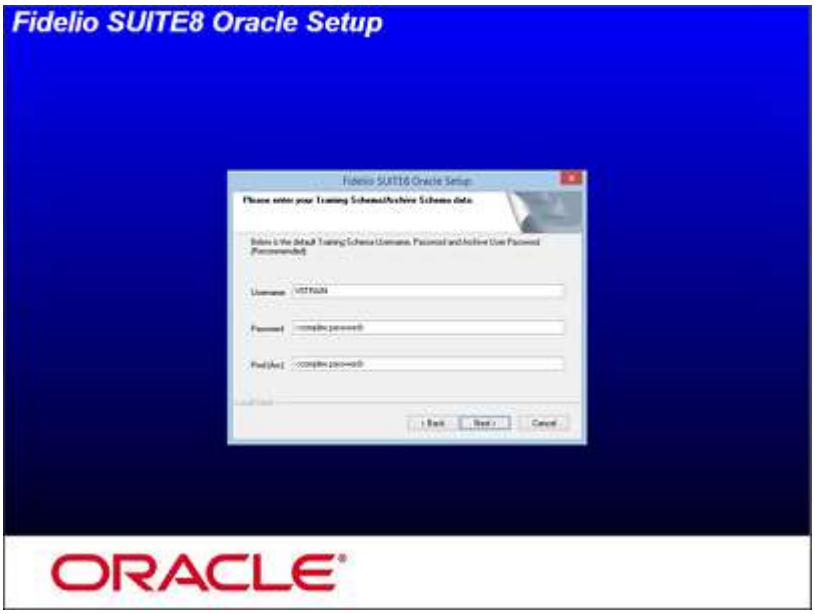


Note: We are creating the Oracle user account: V8LIVE with the complex password. In addition we also creating a Oracle user account: V8LIVE**ARC** with the complex password. This user account is required for the SUITE8 Archive functionality.

28. The next step is similar to the previous step, but requires the username and complex passwords to create the Suite8 training/SUITE8 Archive training database account. Click **Next** to continue.

    Complexity requirements are:

- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,

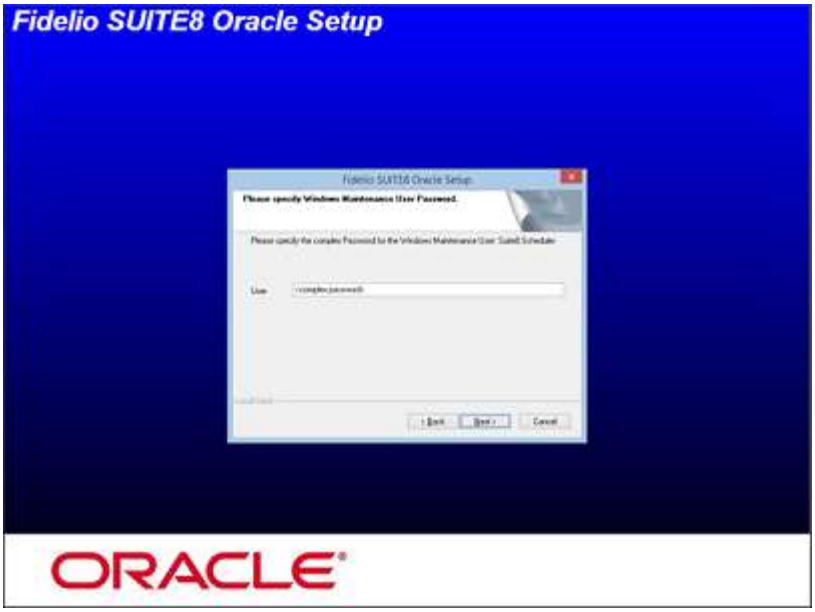


Note: We are creating the Oracle user account: V8TRAIN with the complex password. In addition we also creating a Oracle user account: V8TRAIN**ARC** with the complex password. This user account is required for the SUITE8 Archive functionality.

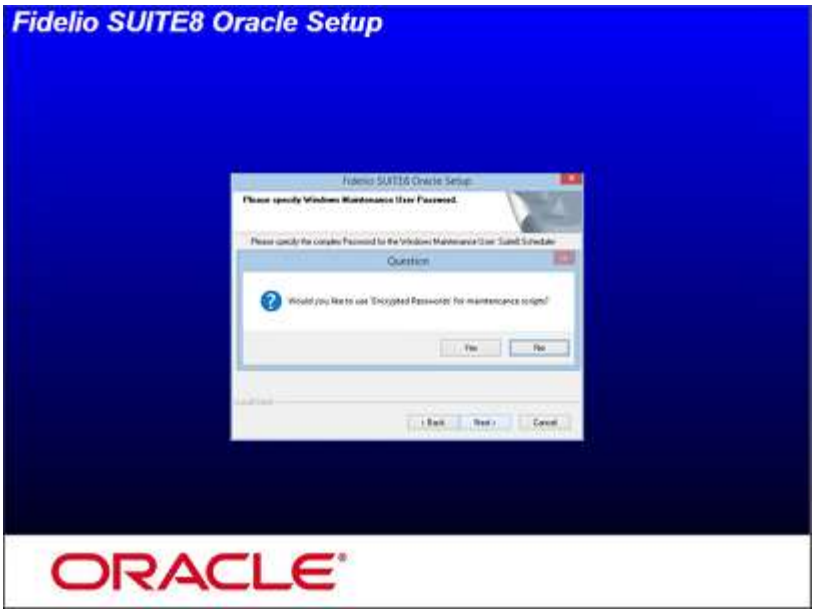
29. The following step requires the complex password to be entered for the Windows User account (Suite8.Scheduler) for the SUITE8 Maintenance jobs. Click **Next** to continue.

Complexity requirements are:

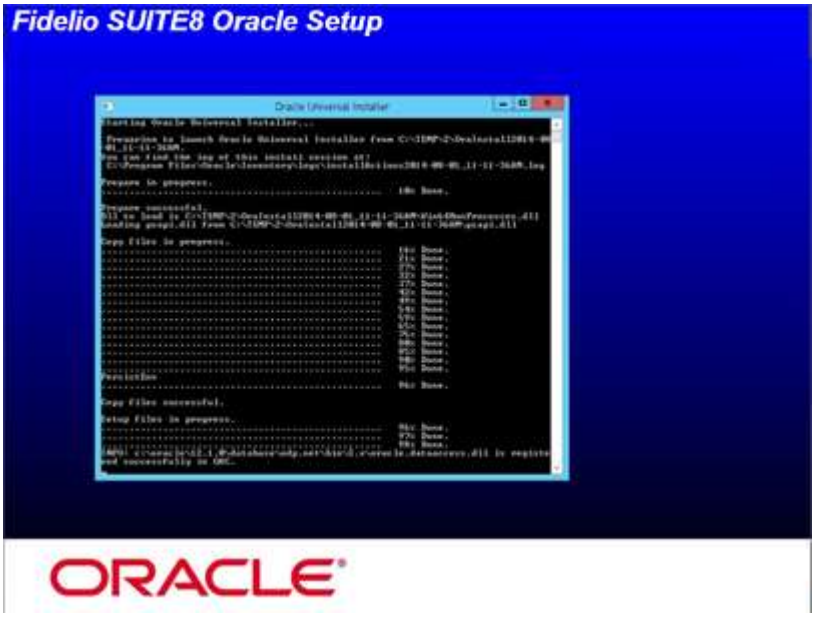
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 12 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



30. If you want to use 'Encrypted Passwords' for the maintenance scripts, which are created during the Oracle database setup routine – click **YES** to continue. The default is: **NO**.



31. The setup program now installs the Oracle Database and the Patch for the Oracle Database, creates the Suite8 instance and imports the Suite8 demo schema.



32. After the installation of the Oracle Database the install shield performs the following tasks:

Creates the following directories on the MAINTENANCE drive (for example: **D:**):
\BACKUP
\BACKUP.RMAN\SCRIPTS
\BACKUP.RMAN\LOG
\EXP\DAILY

Copies the maintenance scripts to the directory: **\BACKUP.RMAN\SCRIPTS**

Creates the Windows user account: Suite8.Scheduler
and
Adds the Windows user: Suite8.Scheduler to the local group: **ADMINISTRATORS**

Modifying the environment parameters for the Oracle Recovery Manager (RMAN)

Oracle RMAN Backup files are located in the directory: **\BACKUP**
Maintenance scripts are located in the directory: **\BACKUP.RMAN\SCRIPTS**
Maintenance log files are located in the directory: **\BACKUP.RMAN\LOG**

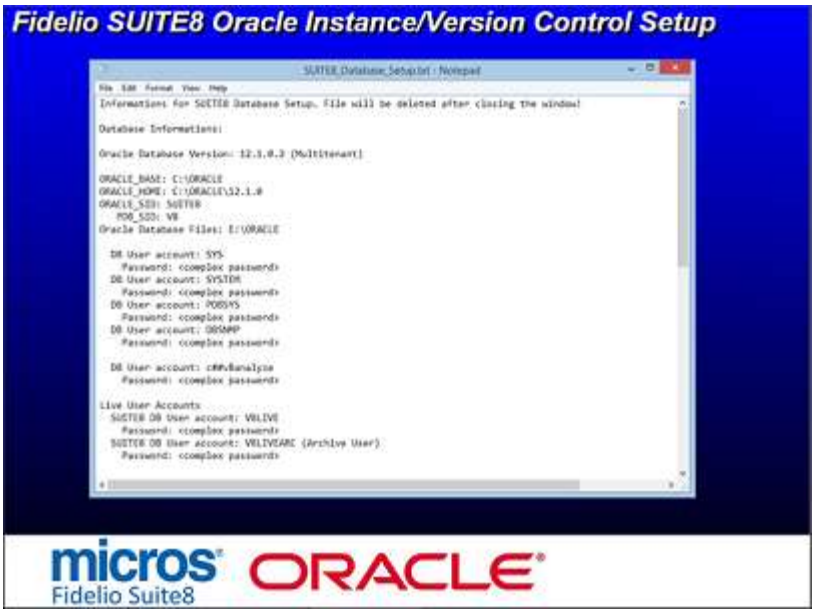
Creating 5 scheduled jobs:

- SUITE8 db schema analyze
  Every day at 2:15 am the scheduled task is running the DBMS_STATS package to collecting statistics for all tables and indexes of the V8LIVE user.
- SUITE8 db clean log files
  Every day at 0:05 am the scheduled task is cleaning the Oracle Dump folders, creating a copy of the Database Alert file and creating a copy of the LISTENER Log file.
- RMAN backup database
  Every day at 11:00 pm the scheduled task is creating a complete backup of the Oracle Database via Oracle Recovery Manager (RMAN). After this the scheduled task is deleting all Oracle Database Backups – older than the latest successfully Oracle Database Backup.

- RMAN backup archive
  Every 3 hours the scheduled task is creating a backup of all Oracle Database Archives - via Oracle Recovery Manager (RMAN) - which are not backed up for 2 times. After this the scheduled task is deleting all Oracle Archive Backups – older than the latest successfully Oracle Database Backup.
- RMAN maintenance
  Every day at 09:15 pm the scheduled task is checking the Oracle Database/Archive Backups via Oracle Recovery Manager (RMAN). The Task is looking for obsolete and not existing Backups and deleting not required Oracle Archives

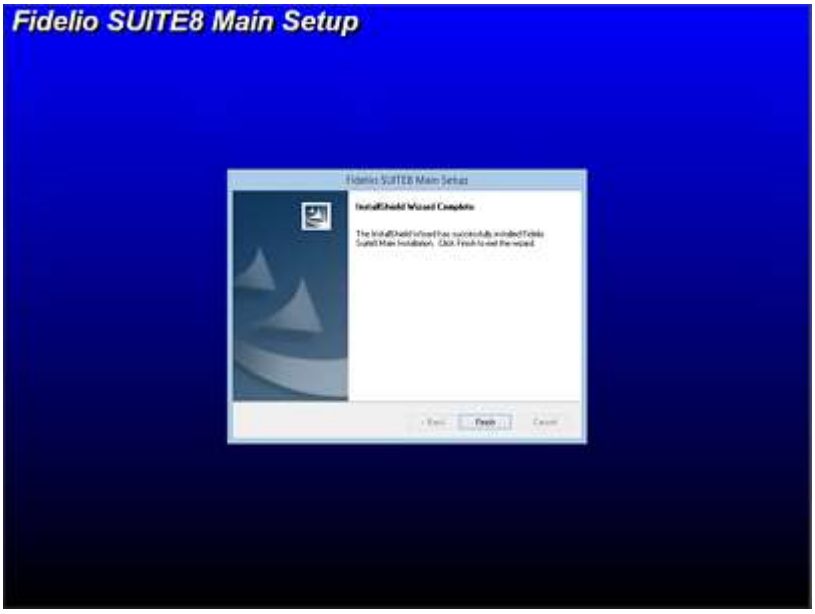
33. The Oracle Database install shield wizard prompts a message upon completion. Click **OK** to continue.

34. The following step will show an overview of the Oracle Database installation. Please save the document. After closing the Text file, the file will be deleted! Close the file to continue.



35. Click **Finish** to exit the Fidelio Suite8 Oracle Database Install shield Wizard.

36. Click **Finish** to exit the Install shield Wizard.



Oracle Database Control

After the installation you can use Oracle Database Control to mange the Database.

Oracle 11gR2 Database:

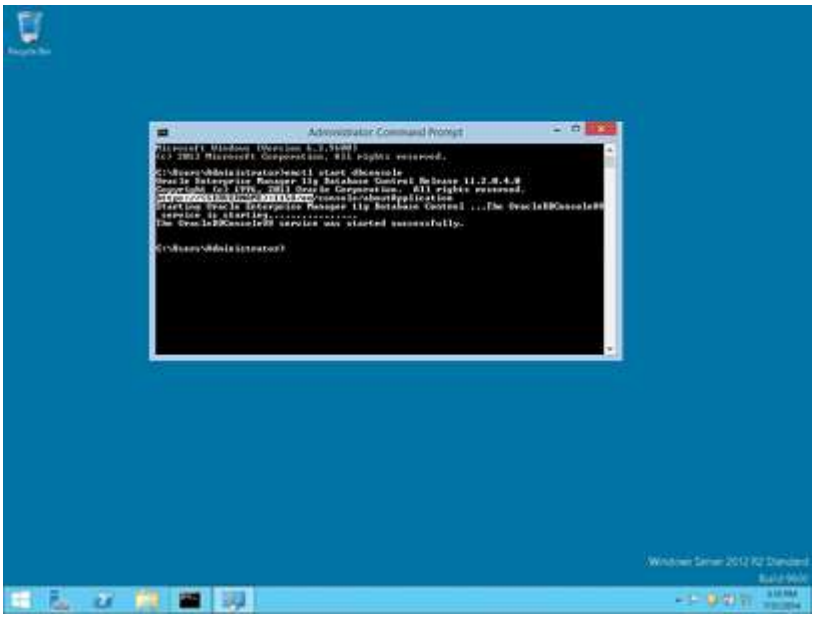
1. Open a command prompt (with the option **Run as administrator**).

   Type the following commands to start the Oracle Database Control Service:

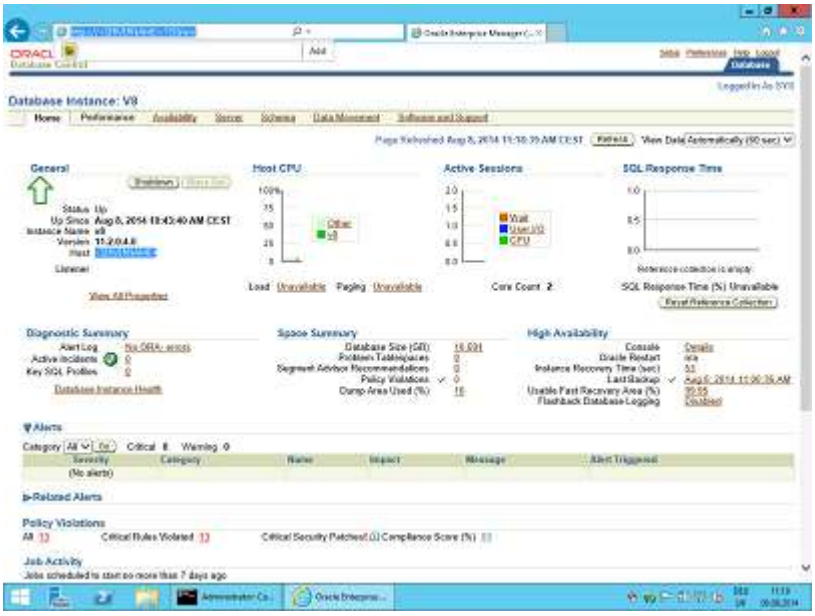
   SET ORACLE_UNQNAME=V8

   SET ORACLE_SID=V8

   emctl start dbconsole

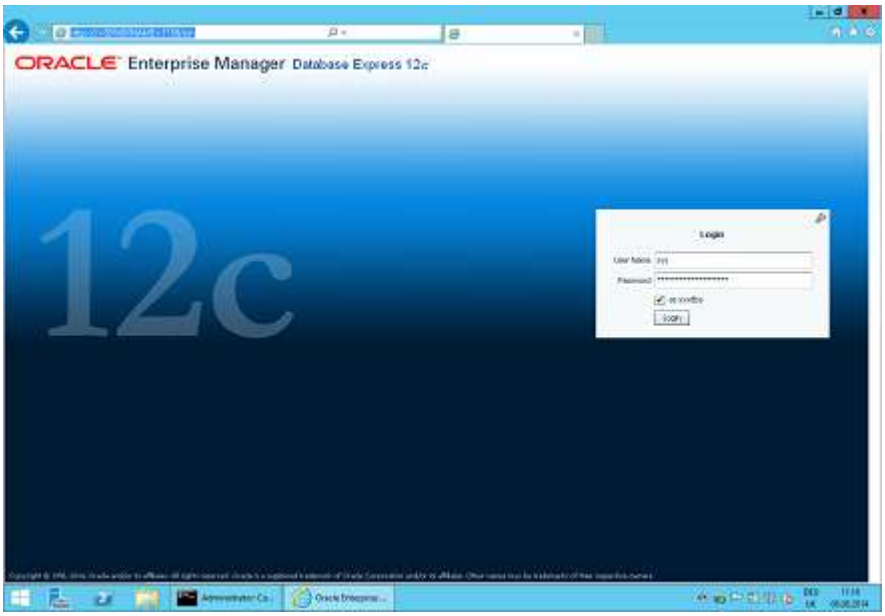


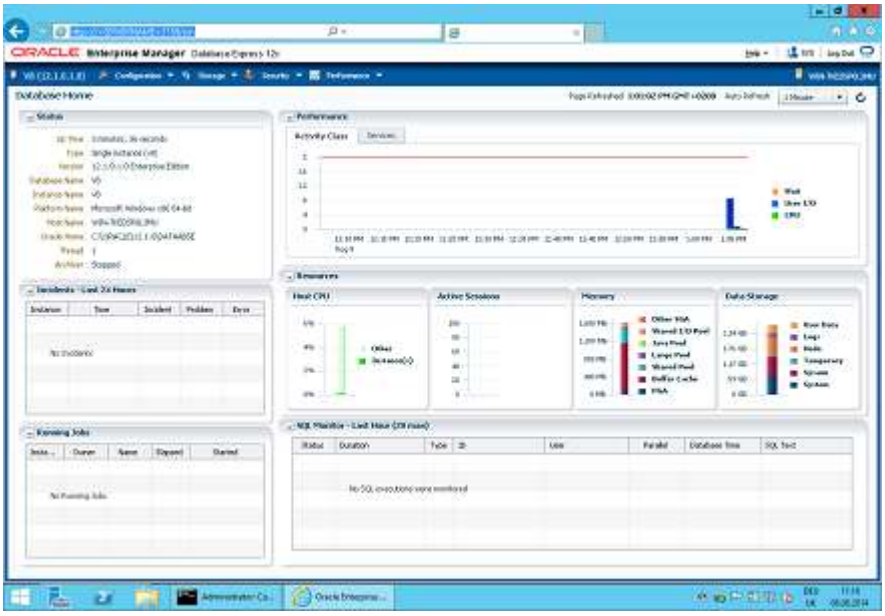
2. After starting the service open the Internet Explorer and access the Database Control Console by using the listed URL (**https://<SERVERNAME>:PORT/em**).



Oracle 12cR1 Database:

1. Open the Internet Explorer and access the Database Control Console by using the URL: **https://<SERVERNAME>:5608/em**.



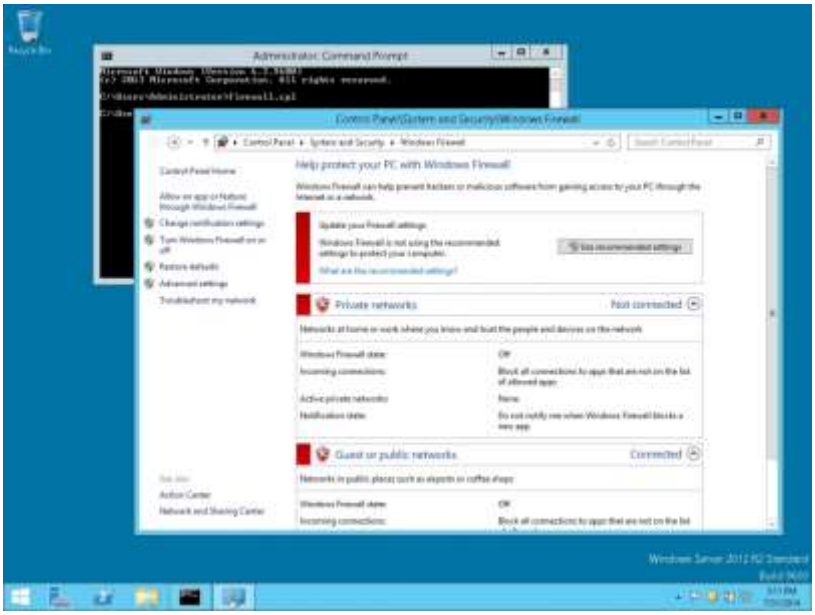


Enable the Firewall

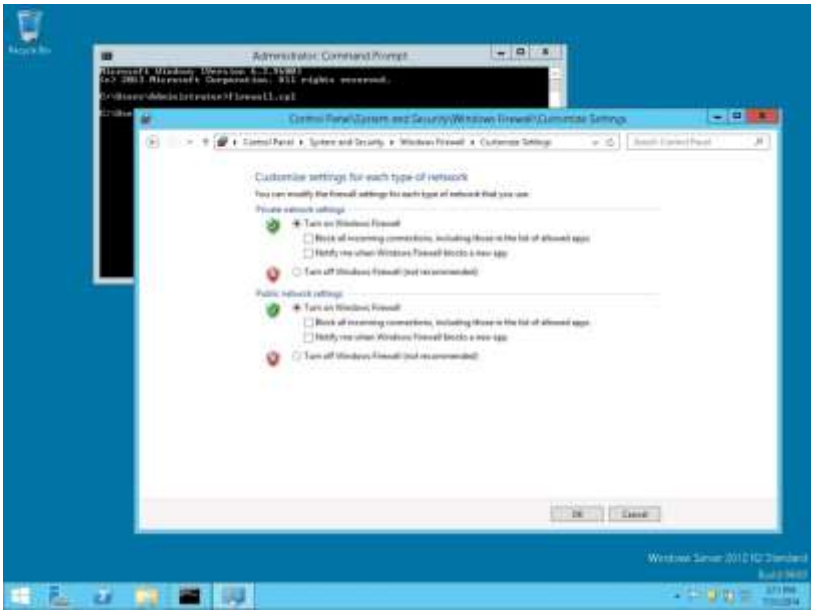
After the installation, it is necessary to enable the Windows Firewall and the UAC (User Account Control) again .

1. Open a command prompt (with the option **Run as administrator** and type **firewall.cpl** to launch the Firewall Configuration utility.

2. In the Firewall Control Panel, click **Turn Windows Firewall on or off** (upper left hand corner of the window).



3. Select **Turn on Windows Firewall** in the **Windows Firewall Settings** window and click **OK** to save the changes.



4. Close the Firewall Configuration utility.
5. Enter the following commands to add the Oracle 11gR2 Executable and Oracle Listener IP Port to the Firewall:

Note: The program path depends on the directory for the Oracle Home during the Installation (for example: **C:\ORACLE\11.2.0\DATABASE**).

cd /D c:\windows\system32
netsh advfirewall firewall add rule name="Oracle TNSLSNR Port" dir=in action=allow protocol=TCP localport=1521

*netsh advfirewall firewall add rule name="Oracle TNSLSNR Executable" dir=in program="**c:\oracle\11.2.0\database**\bin\tnslsnr.exe" action=allow profile=any*

*netsh advfirewall firewall add rule name="Oracle RDBMS Kernel Executable" dir=in program="**c:\oracle\11.2.0\database**\bin\oracle.exe" action=allow profile=any*

6. Enter the following commands to add the Oracle 12cR1 Executable and Oracle Listener IP Port to the Firewall:

Note: The program path depends on the directory for the Oracle Home during the Installation (for example: **C:\ORACLE\12.1.0\DATABASE**).

cd /D c:\windows\system32
netsh advfirewall firewall add rule name="Oracle TNSLSNR Port" dir=in action=allow protocol=TCP localport=1521

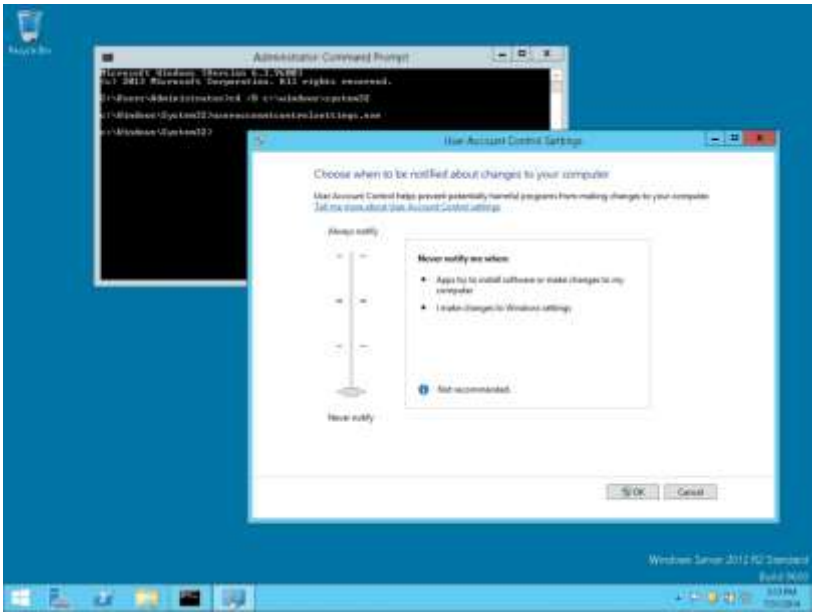
*netsh advfirewall firewall add rule name="Oracle TNSLSNR Executable" dir=in program="**c:\oracle\12.1.0\database**\bin\tnslsnr.exe" action=allow profile=any*

netsh advfirewall firewall add rule name="Oracle RDBMS Kernel Executable" dir=in
program="c:\oracle\12.1.0\database\bin\oracle.exe" action=allow profile=any

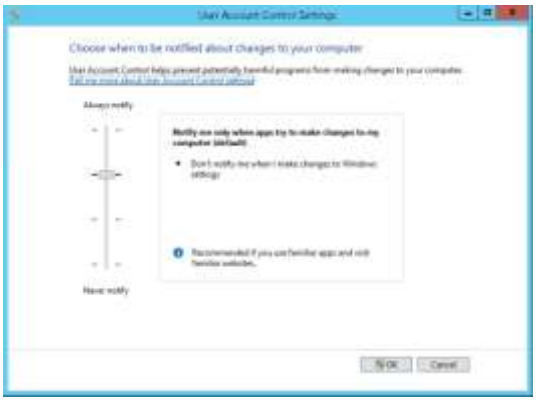
Enable User Access Control

1. Start the **User Access Control Configuration Assistant** by typing the following command:

```
cd /D c:\windows\system32
useraccountcontrolsettings.exe
```



2. Turn on the notification by changing the UAC to **Default**. Click **OK** to save the changes.



Change the User Access Rights for the Oracle Database files

1. Open a command prompt (with the option **Run as administrator**).

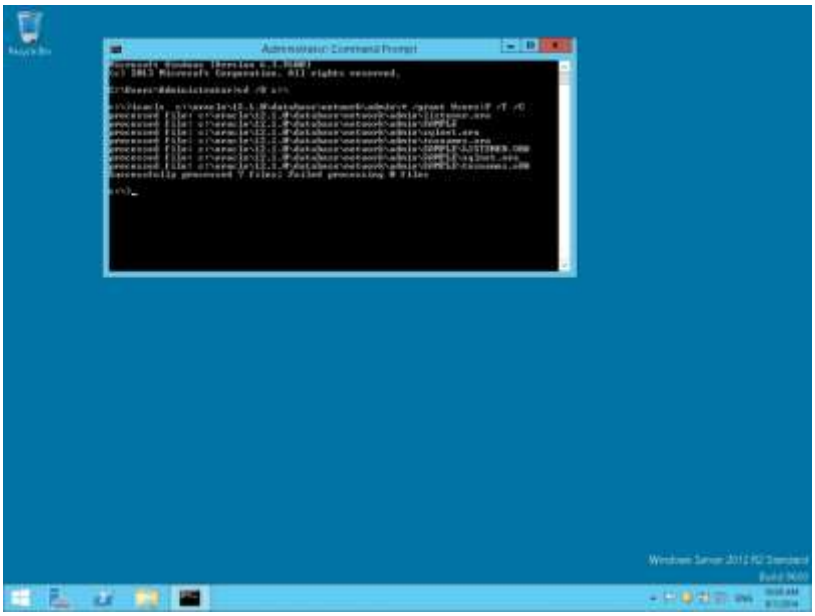
Type the following commands **for Oracle 12cR1 Database**:

```
cd /D c:\
icacls  c:\oracle\12.1.0\database\network\admin\* /grant Users:F
/T /C
```

Type the following commands **for Oracle 11gR2 Database**:

cd /D c:

icacls c:\oracle\11.2.0\database\network\admin* /grant Users:F /T /C



Note: For German installations, the following commands are used:

icacls c:\oracle\1x.x.0\database\network\admin* /grant Benutzer:F /T/C

How to import SUITE8 Data export into Oracle Database with Multilingual Support (UNICODE)

1. Downlaod the following files from the SUITE8 FTP Server (directory: \Install_Shields\8_9_6_0\UNICODE) to a temporay directory, such as **C:\INSTALL**
   UNICODEmviews.sql
   UNICODEpost.sql
   UNICODEpost_imp.sql
   UNICODEpost_sys.sql
   UNICODEpre.sql
   UNICODEsequenceFIX.sql
   UNICODEuser.sql
   UNICODEuserarc.sql
   UNICODE_change_columns.sql
2. Copy the SUITE8 Data Export file to the temporay directory, such as **C:\INSTALL**
3. Open a command prompt (with the option **Run as administrator**) and type the following commands to start the Oracle Import:

Note: The values for **<sys password>**, **<system password>** depends on the Oracle Database setup. For this example we are using the following SUITE8 User accounts: V8LIVE (password: live), V8LIVEARC (password: livearc). The SUITE8 accounts depends on the SUITE8 installation.

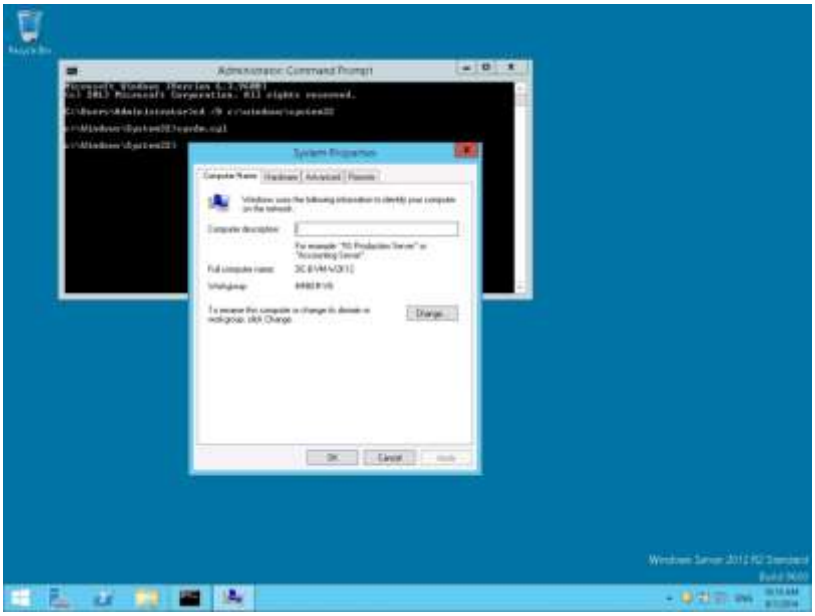
```
cd /D C:\install

SET ORACLE_HOME=C:\ORACLE\11.2.0\DATABASE

PATH=%ORACLE_HOME%\bin;%SystemRoot%\system32;%System
Root%;%SystemRoot%\System32\Wbem

DEL *.spl 1>NUL 2>NUL

SET NLS_LANG=AMERICAN_AMERICA.WE8MSWIN1252

: Create SUITE8 User account

sqlplus sys/<sys password>@V8 as sysdba @UNICODEuser.sql
V8LIVE live .\

: Import SUITE8 data structure only

imp.exe system/<system password>@V8 FROMUSER=V8LIVE
TOUSER=V8LIVE file=.\expV8LIVE.dmp BUFFER=10240000
LOG=.\impV8LIVE_1.SPL COMMIT=N ROWS=N

: Convert columns

sqlplus sys/<sys password>@V8 as sysdba @UNICODEuserarc.sql
V8LIVEARC livearc V8LIVE .\

sqlplus.exe V8LIVE/live@V8  @.\UNICODEpre.sql V8LIVE .\

sqlplus.exe sys/<sys password>@V8  as sysdba
@.\UNICODE_change_columns.sql .\ .\

sqlplus.exe sys/<sys password>@V8  as sysdba
@.\UNICODE_change.sql .\

sqlplus.exe V8LIVE/live@V8  @.\UNICODEpost.sql V8LIVE .\

: Import SUITE8 data

imp.exe system/<system password>@V8  FROMUSER=V8LIVE
TOUSER=V8LIVE file=.\expV8LIVE.dmp BUFFER=10240000
LOG=.\impV8LIVE_2.SPL IGNORE=Y

sqlplus.exe V8LIVE/live@V8  @.\UNICODEpost_imp.sql V8LIVE .\


sqlplus.exe V8LIVE/live@V8  @.\UNICODEmviews.sql .\

sqlplus.exe sys/<sys password>@V8  as sysdba
@.\UNICODEpost_sys.sql V8LIVE .\

: Sequence fix

sqlplus.exe V8LIVE/live@V8  @.\UNICODEsequenceFIX.sql .\
```

Change System Environment for Oracle Database (64-bit) & Oracle Client (32-bit)

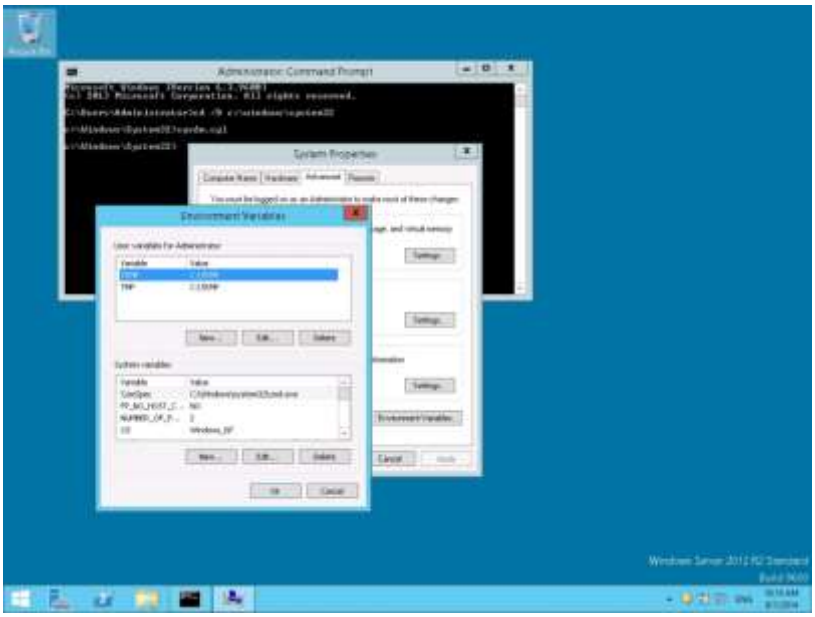
1. If you install the Oracle Database (64-bit) on a Windows 64-bit Windows System and additionally the Oracle Client (32-bit) – the following changes are required:
2. Open a command prompt (with the option **Run as administrator**) and type the following commands to open the System Properties utility:

   cd /D c:\windows\system32

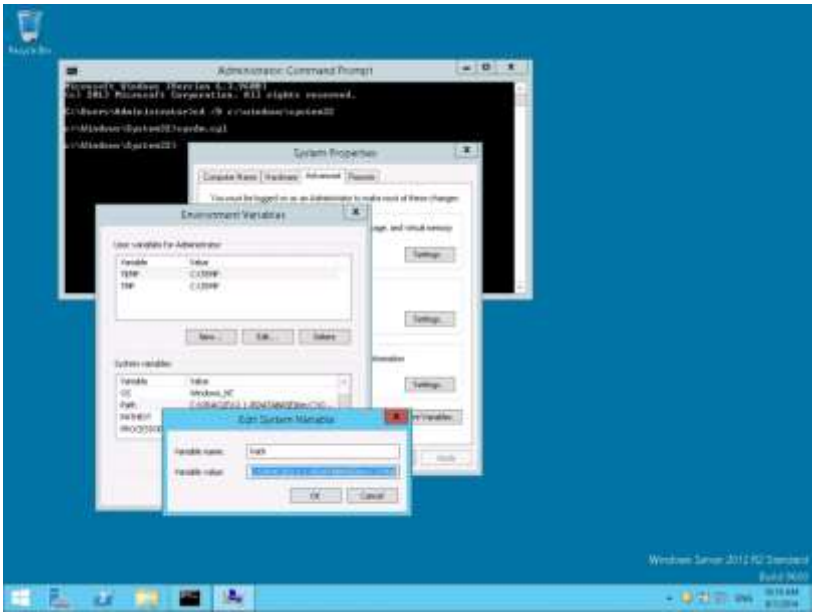
   sysdm.cpl



3. Under the Advanced tab, click the Environment Variables button.



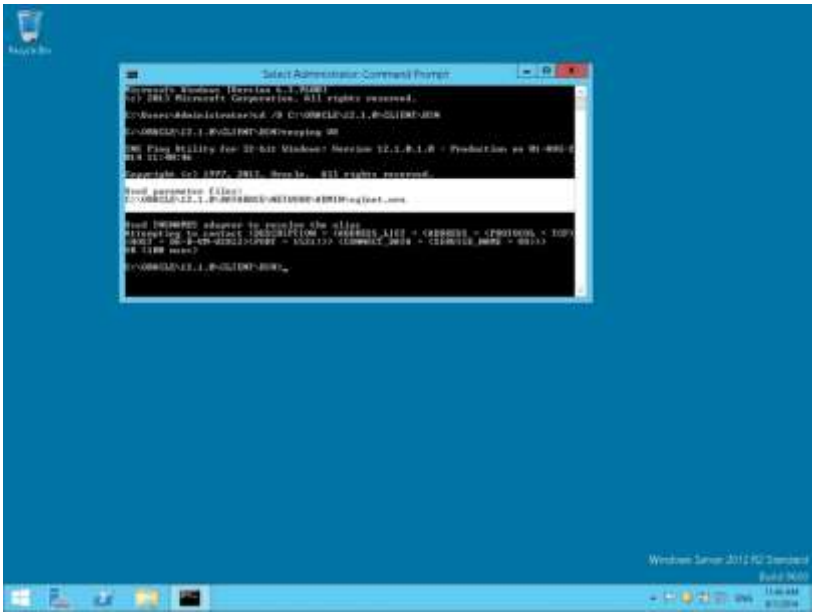
4. Select **Environment Variables** and modify the **PATH** variable into the SYSTEM ENVIRONMENT. The ORDER of the directories should be:
   C:\ORACLE\1x.x.0\DATABASE\bin;C:\ORACLE\1x.x.0\CLIENT;%SYSTEMROOT%...



5. Click OK to save the changes. Close the System Properties utility.
6. Check the functionality by typing the following commands:

cd /D C:\ORACLE\1x.x.0\CLIENT\BIN

tnsping V8



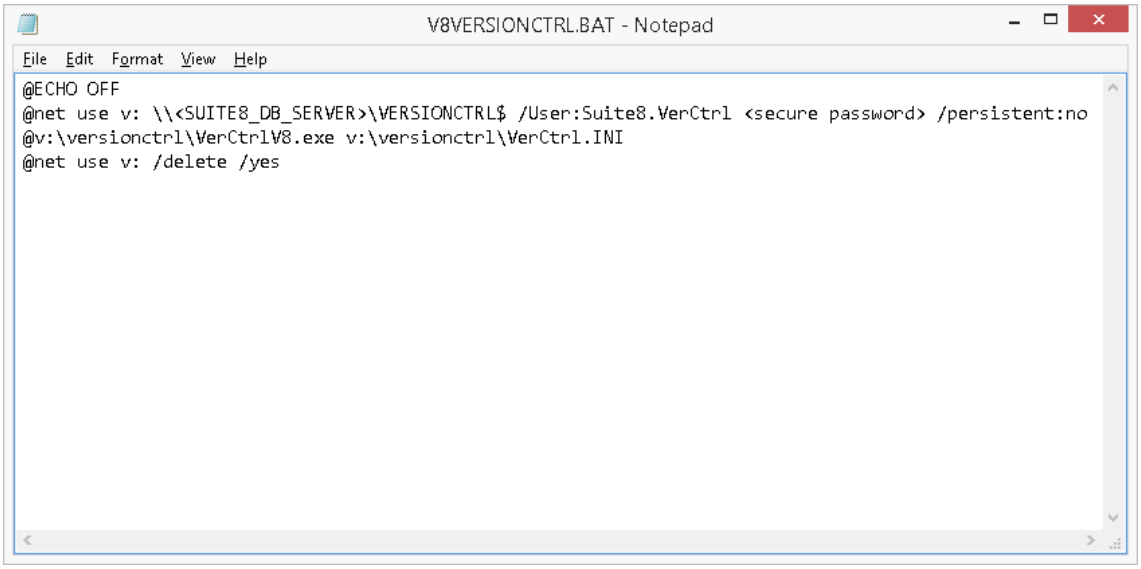
As a result, the Oracle Client should use the **Net8** files from the Oracle Database.
(Used parameter files: **C:\ORACLE\1x.x.0\DATABASE\network\admin\sqlnet.ora**)

Using Suite8 Database Server Shares

Note: If the Suite8 Enviroment is **NOT** using a Domain Controller, you can proceed with the following steps for Suite8 Version Control and Shared Suite8 Night Auditor Reports.

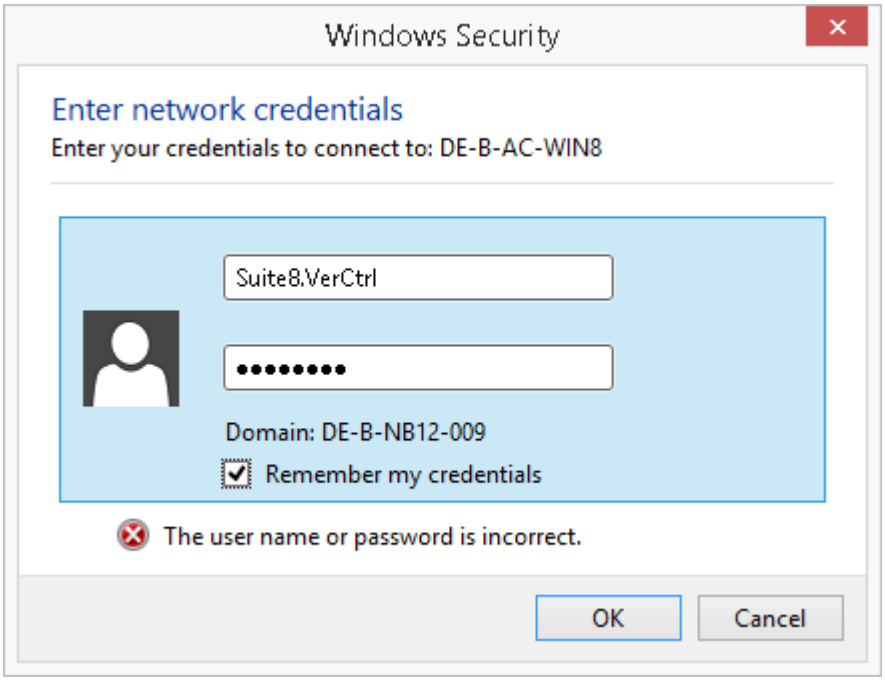
1. During the Suite8 Database Installation the Install shield has create two Windows Shares (VersionCtrl$ and 1MFHOTEL$) and one Windows user account (Suite8.VerCtrl) for using with Suite8 Version Control and Night Auditor Reports Share.

2. To use the Suite8 Version control, please create a script: V8VERSIONCTRL.CMD and place the script on the Public Desktop. The script should have the following content:



Note: The Parameter **<SUITE8_DB_SERVER>** depends on used Oracle Server Name for the Suite8 Database Server. The parameter **<complex password>** depends on the used user account password.

3. Run the script for testing. If the system is asking for Login credentials, please enter as Login name: Suite8.VerCtrl and the secure password. Mark the option: **Remember my credentials**.



4. If the Suite8 Version detects missing Suite8 program files, the files will be copied to the local folder.

5. For using the Night Auditor Reports Share for the Suite8, open a command prompt and type the following command.

cd /D c:

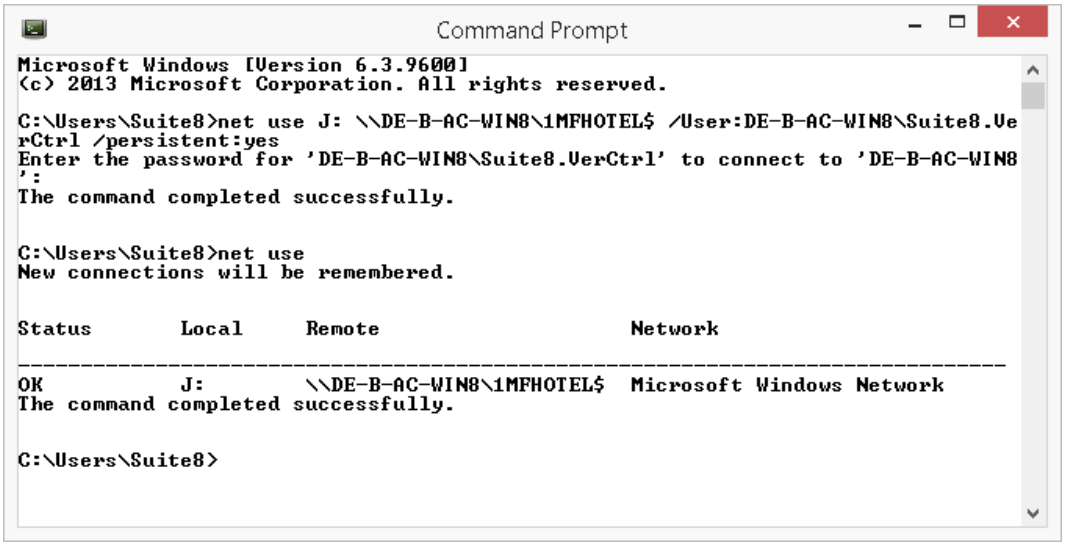
net use J: Error! Hyperlink reference not valid.<SUITE8_DB_SERVER>\1MFHOTEL$

/User: <ORACLE_DB_SERVER>\Suite8.VerCtrl /persistent:yes

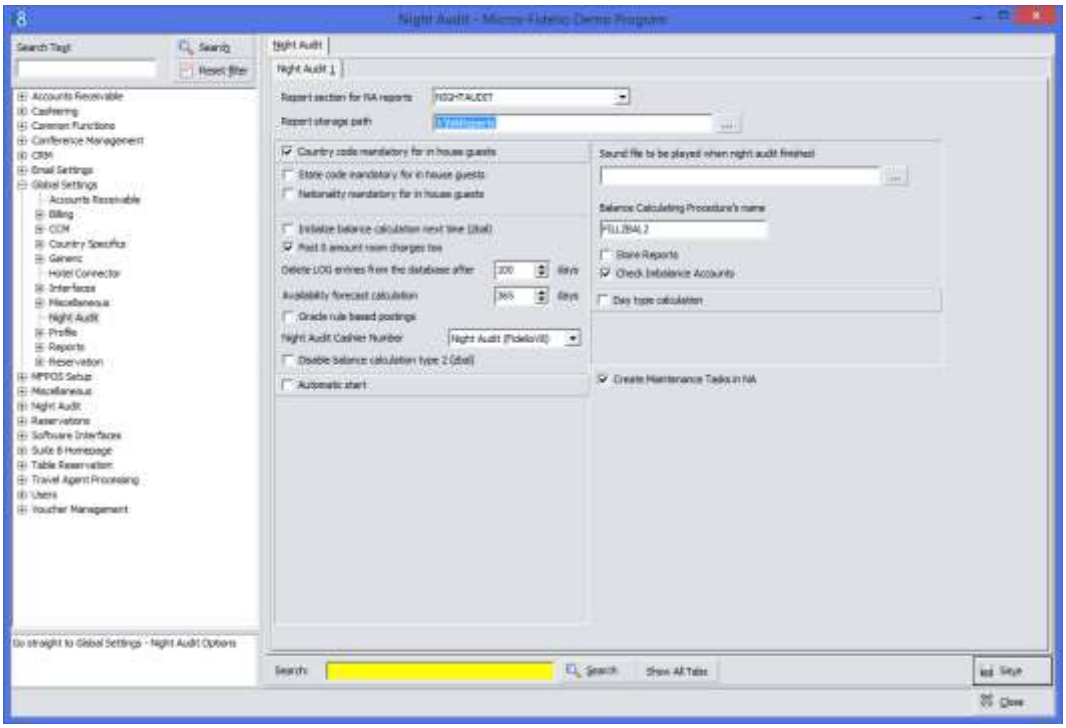
Note: The Parameter <SUITE8_DB_SERVER> depends on used Oracle Server Name for the Suite8 Database Server.

6. After the command completed successfully, check the created drive mapping. Type the following command:

net use

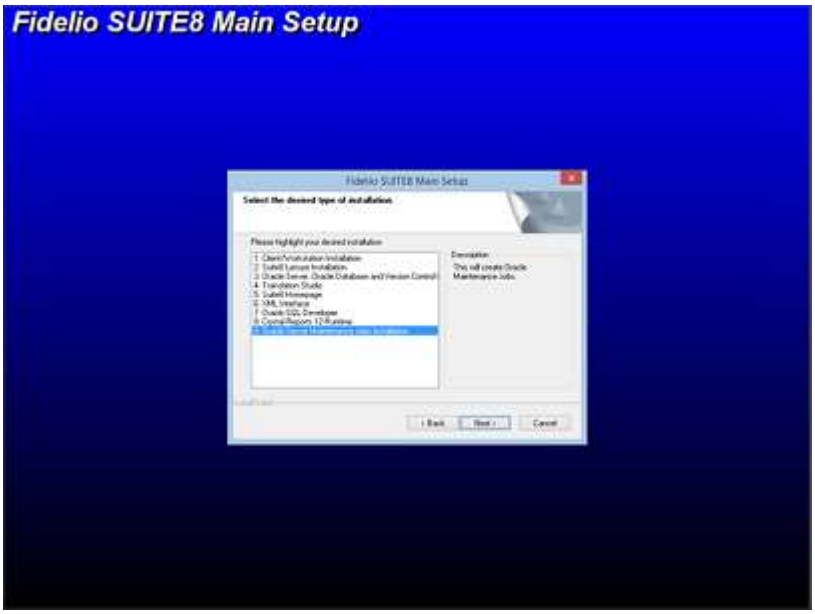


7. Login to Suite8 and modify the location for the Suite8 Night Auditor Reports. Go to Setup | Configuration | Global Settings | Night Audit. Modify the REPORT STORAGE PATH to: J:\NAReports.

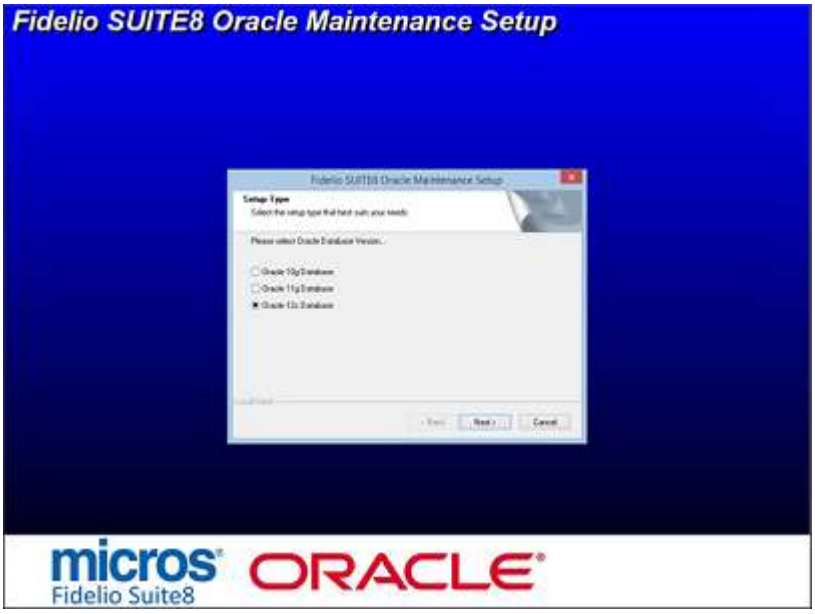


5 Install Oracle Server Maintenance Jobs

1. Select **Oracle Server Maintenance Jobs Installation** and click **Next** to continue.

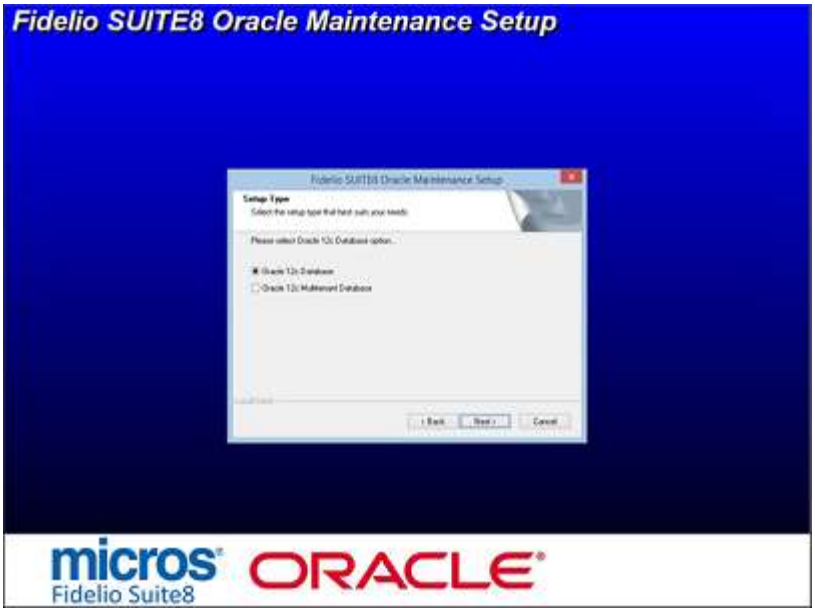


2. The Oracle Server Maintenance Jobs Wizard is launched. Select the Oracle Database version. Click **Next** to continue.



3. If the selected Oracle Database type is **Oracle 12c Database**, the Database Type has to be selected. The following setup types are available:

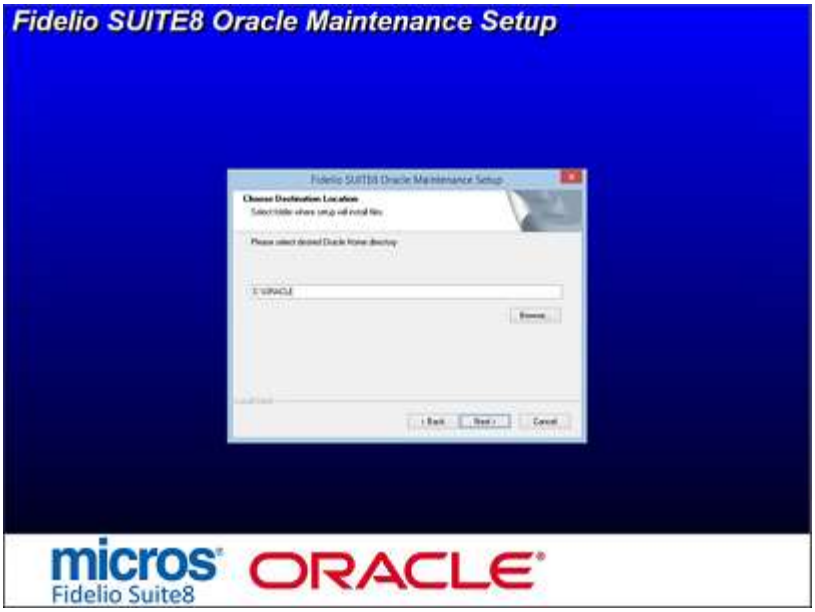
   - Oracle 12c Database (Preferred)
   - Oracle 12c Multitenant Database



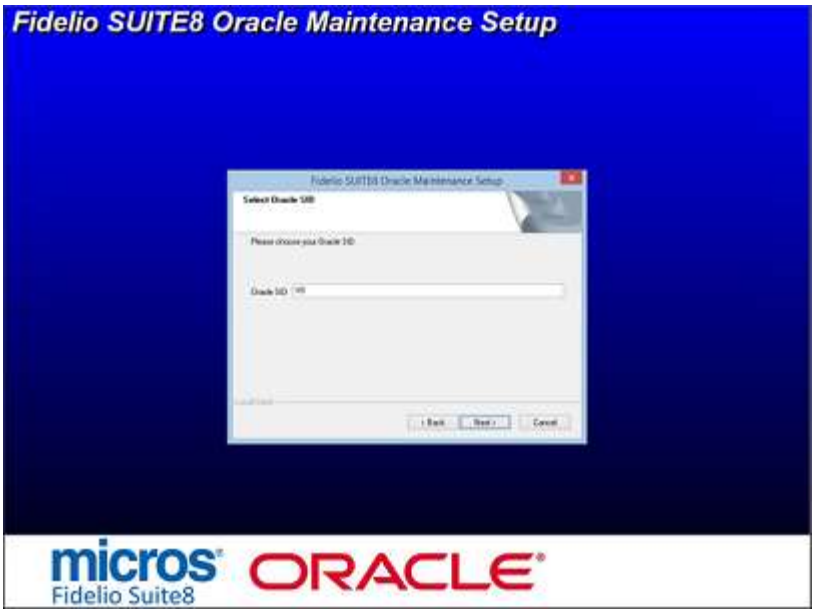
4. Enter the Oracle home directory for the Oracle Database. The default is: **C:\ORACLE**. Click **Next** to continue.

The ORACLE_HOME Destination depends on the selected Oracle Database version.

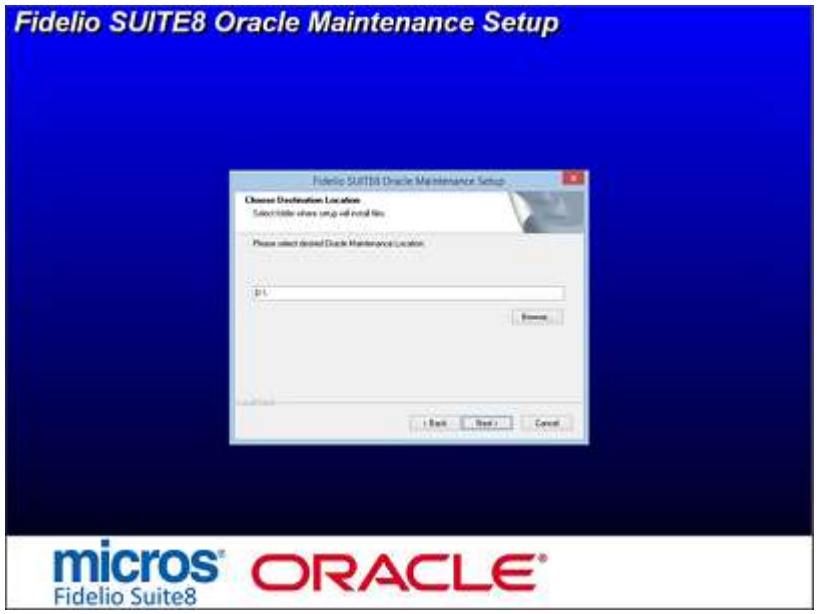
Example: For the **ORACLE Database Version 12.1.0.x**, the install shield uses **C:\ORACLE\12.1.0\DATABASE** as ORACLE_HOME.



5. Enter the value for the Oracle SID of the Oracle Database. The default Oracle SID is: **V8**. Click **Next** to continue.

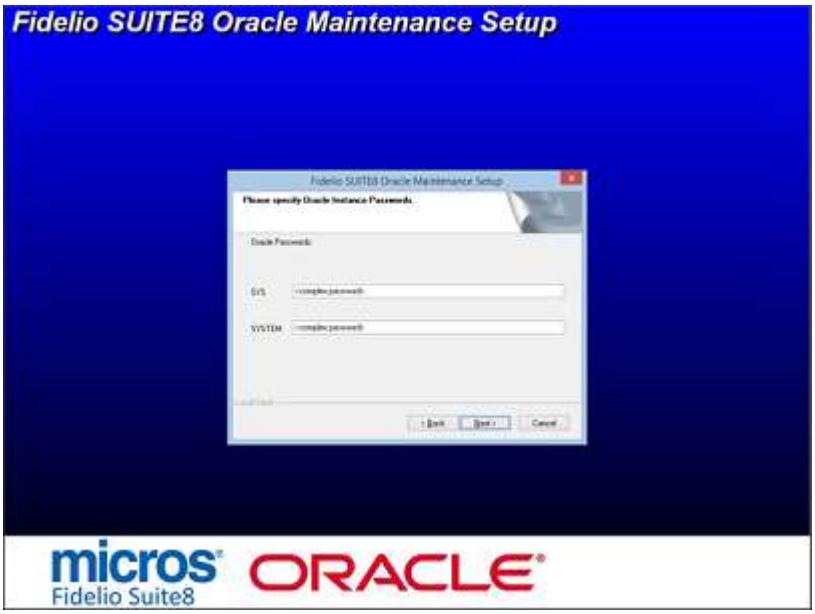


6. Enter the destination for the Oracle Database Maintenance. The default is: **D:**. Click **Next** to continue.



7. If you have **not selected** the **Oracle 12c Multitenant Database** option, the following step requires the complex password to be entered for the Oracle SYS and SYSTEM account. The password depends on the installed Oracle Database. Click **Next** to continue.

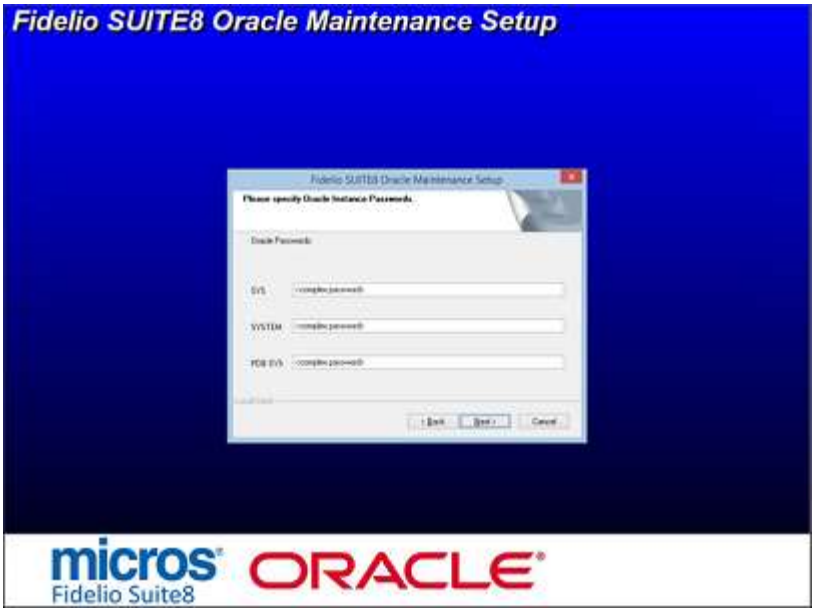
   Complexity requirements are:
   - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
   - Minimum password length of 8 characters
   - First character of password MUST be a character
   - Password must contain at least 1 Lowercase character (a through z)
   - Password must contain at least 1 Uppercase character (A through Z)
   - Password must contain at least 1 digit (0 through 9)
   - Password can contain special character: !*()_-+{[}]@~#.,



8. If you have **selected** the **Oracle 12c Multitenant Database** option, the following step requires the complex password to be entered for the Oracle SYS, SYSTEM and PDBSYS account. Click **Next** to continue.

Complexity requirements are:

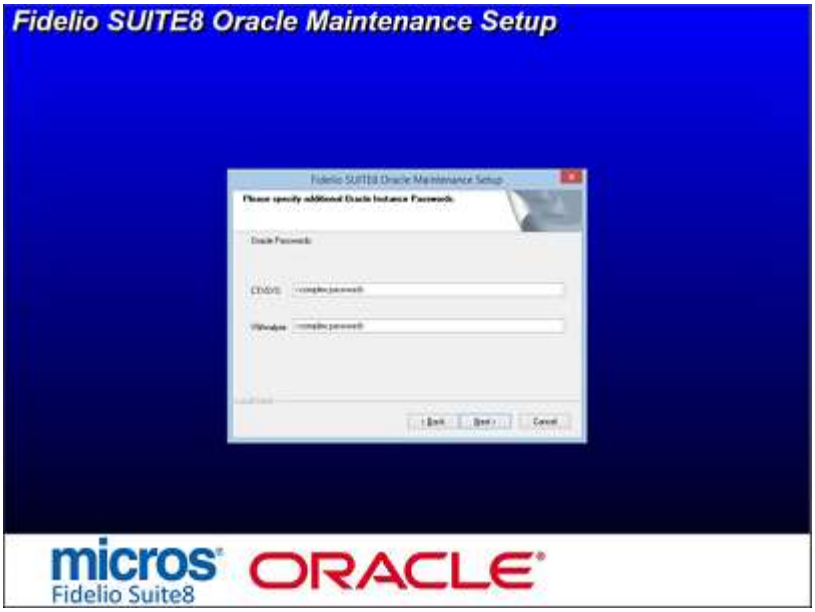
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



9. The following step requires the complex password to be entered for the Oracle CTXSYS and SUITE8 Analyzer account. Click **Next** to continue.

Complexity requirements are:

- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



Note: The Oracle user account CTXSYS is required for the Oracle Database feature: Oracle Text.

10. The following step requires the user and complex passwords to be entered to run maintenance tasks logged on as Suite8 live/Suite8 Archive live user. Click **Next** to continue.

    Complexity requirements are:
    - Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
    - Minimum password length of 8 characters
    - First character of password MUST be a character
    - Password must contain at least 1 Lowercase character (a through z)
    - Password must contain at least 1 Uppercase character (A through Z)
    - Password must contain at least 1 digit (0 through 9)
    - Password can contain special character: !*()_-+{[}]@~#.,

Note: We are creating the Oracle user account: V8LIVE with the complex password. In addition we also creating a Oracle user account: V8LIVE**ARC** with the complex password. This user account is required for the SUITE8 Archive functionality.

11. The next step is similar to the previous step, but requires the username and complex passwords to run maintenance tasks logged on as Suite8 training/SUITE8 Archive training user. Click **Next** to continue.

Complexity requirements are:

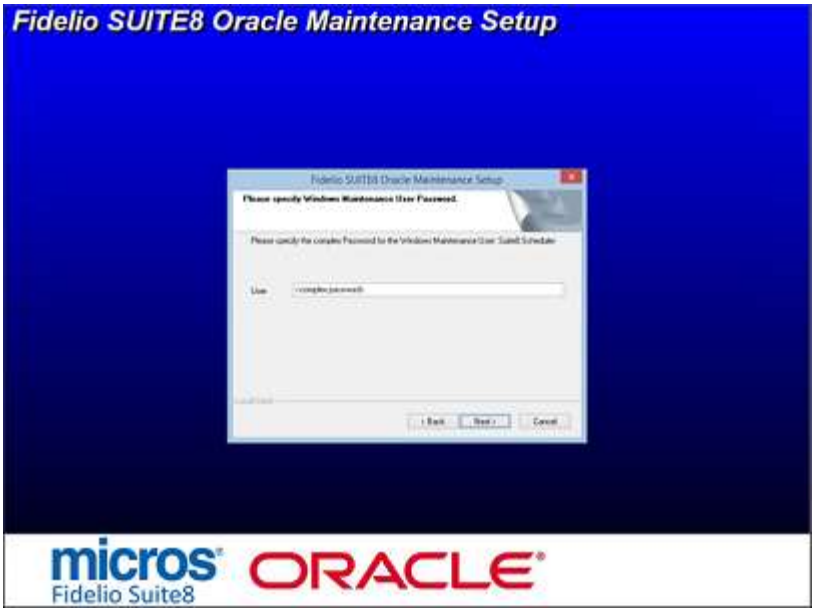
- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 8 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,

Note: We are creating the Oracle user account: V8TRAIN with the complex password. In addition we also creating a Oracle user account: V8TRAIN**ARC** with the complex password. This user account is required for the SUITE8 Archive functionality.

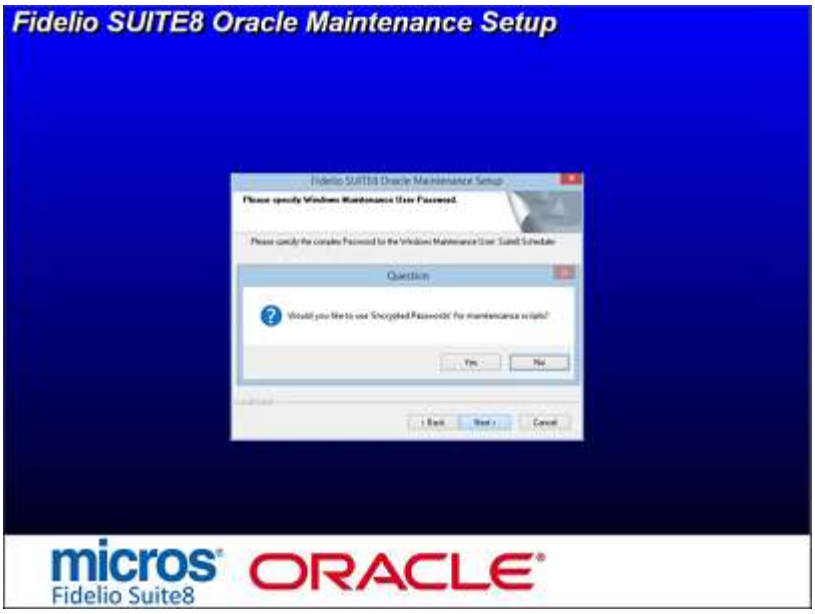
12. The following step requires the complex password to be entered for the Windows User account (Suite8.Scheduler) for the SUITE8 Maintenance jobs. Click **Next** to continue.

Complexity requirements are:

- Not to contain the user's account name or parts of the user's full name that exceed two consecutive characters
- Minimum password length of 12 characters
- First character of password MUST be a character
- Password must contain at least 1 Lowercase character (a through z)
- Password must contain at least 1 Uppercase character (A through Z)
- Password must contain at least 1 digit (0 through 9)
- Password can contain special character: !*()_-+{[}]@~#.,



13. If you want to use 'Encrypted Passwords' for the maintenance scripts – click **YES** to continue. The default is: **NO**.



14. The install shield performs the following tasks:

    Creates the following directories on the MAINTENANCE drive (for example: **D:**):
    \BACKUP
    \BACKUP.RMAN\SCRIPTS
    \BACKUP.RMAN\LOG
    \EXP\DAILY

    Copies the maintenance scripts to the directory: **\BACKUP.RMAN\SCRIPTS**

    Creates the Windows user account: Suite8.Scheduler and adds the Windows user: Suite8.Scheduler to the local group: **ADMINISTRATORS**.

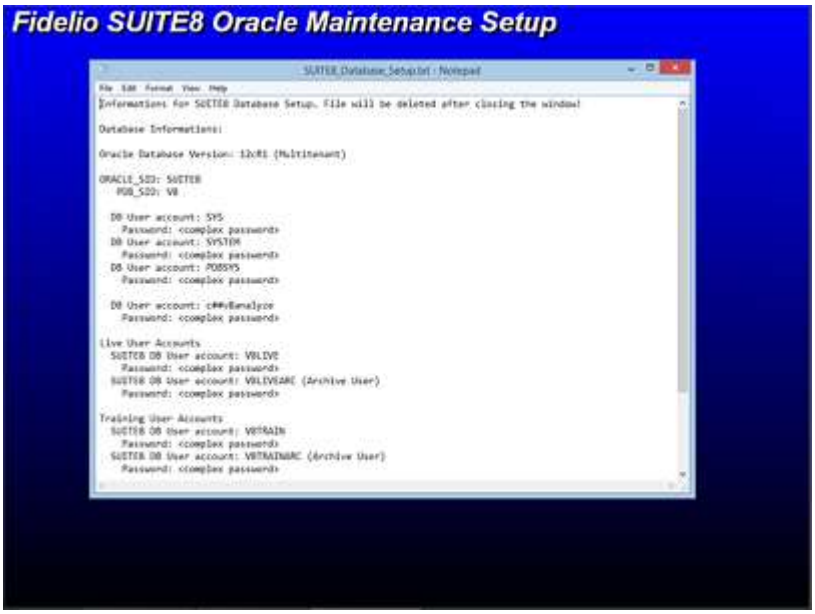
Modifying the environment parameters for the Oracle Recovery Manager (RMAN)

Oracle RMAN Backup files are located in the directory: **\BACKUP**
Maintenance scripts are located in the directory: **\BACKUP.RMAN\SCRIPTS**
Maintenance log files are located in the directory: **\BACKUP.RMAN\LOG**

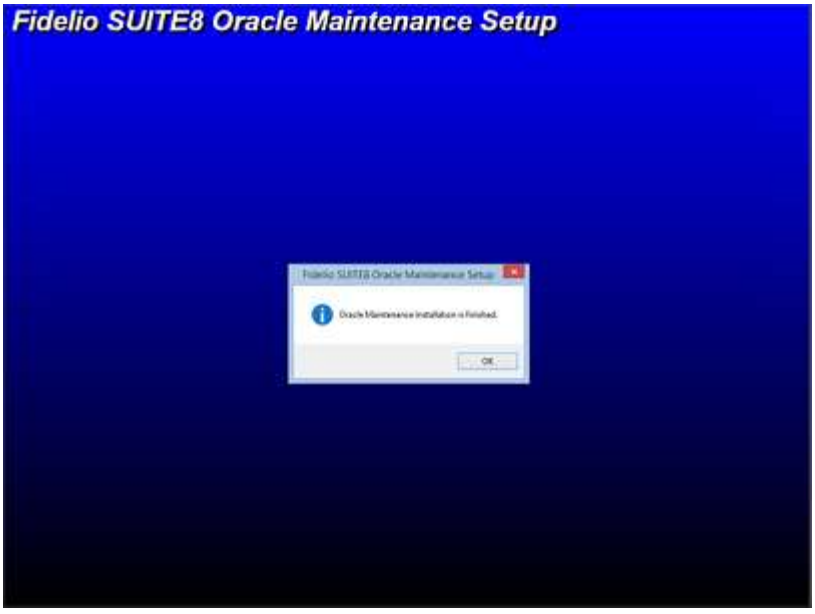
Creating 5 scheduled jobs:

- SUITE8 db schema analyze
- Every day at 2:15 am the scheduled task is running the DBMS_STATS package to analyze all tables and indexes of the V8LIVE user.
- SUITE8 db clean log files
- Every day at 0:05 am the scheduled task is cleaning the Oracle Dump folders, creating a copy of the Database Alert file and creating a copy of the LISTENER Log file.
- RMAN backup database
- Every day at 11:00 pm the scheduled task is creating a complete backup of the Oracle Database via Oracle Recovery Manager (RMAN). After this the scheduled task is deleting all Oracle Database Backups – older than the latest successfully Oracle Database Backup.
- RMAN backup archive
- Every 3 hours the scheduled task is creating a backup of all Oracle Database Archives - via Oracle Recovery Manager (RMAN) - which are not backed up for 2 times. After this the scheduled task is deleting all Oracle Archive Backups – older than the latest successfully Oracle Database Backup.
- RMAN maintenance
- Every day at 09:15 pm the scheduled task is checking the Oracle Database/Archive Backups via Oracle Recovery Manager (RMAN). The Task is looking for obsolete and not existing Backups and deleting not required Oracle Archives

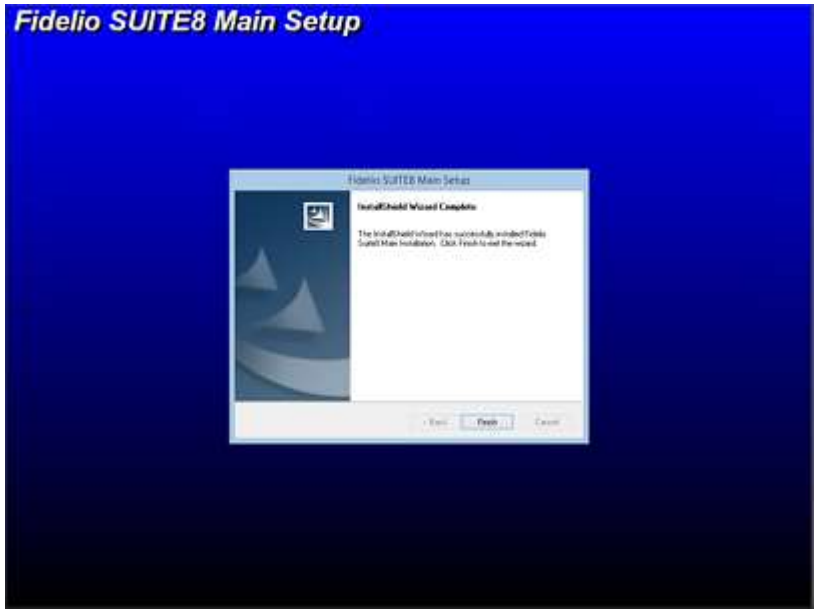
15. The following step will show an overview of the Oracle Maintenance installation. Please save the document. After closing the Text file, the file will be deletetd! Close the file to continue.



16. The Oracle Database Maintenance Jobs install shield prompts a finish message upon completion. Click **Finish** to continue.

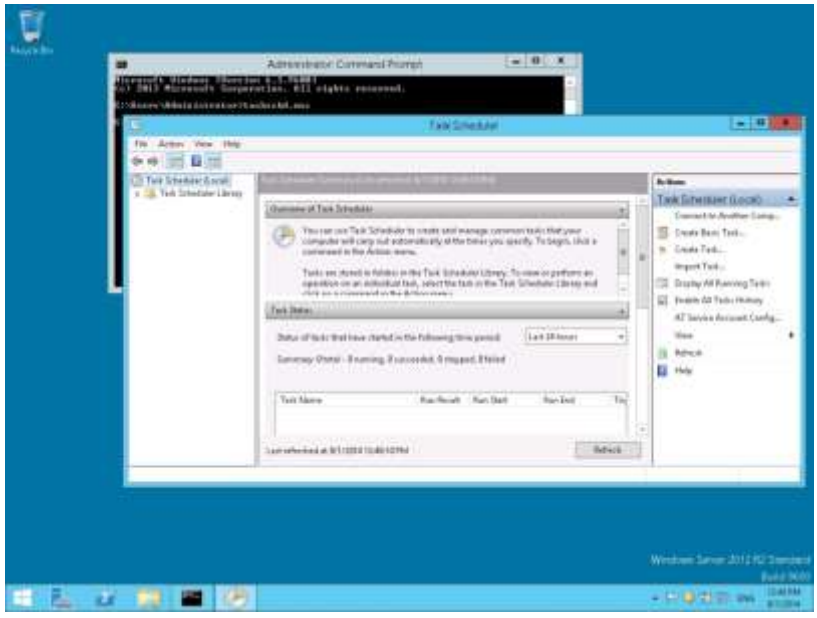


17. Click **Finish** to exit the Install shield Wizard.

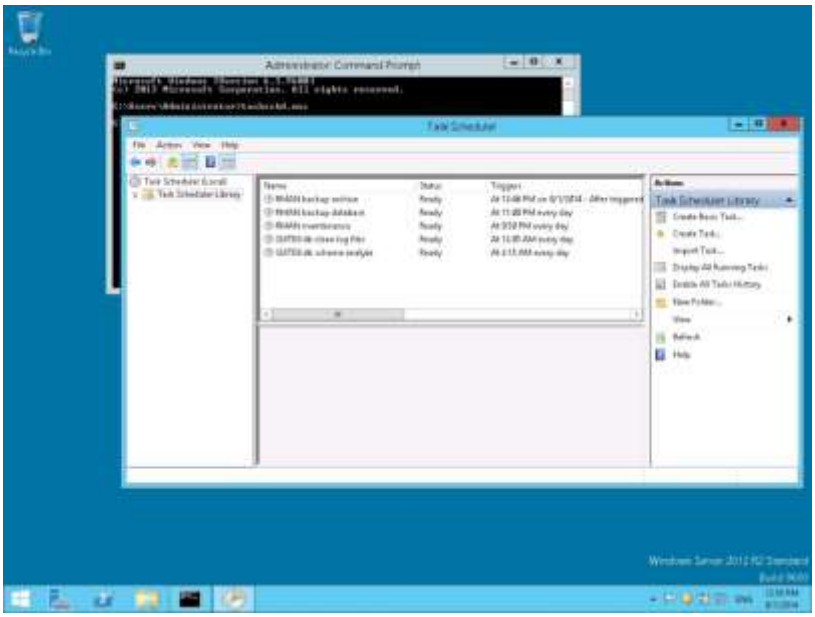


Verify Scheduled Tasks

1. Open a command prompt (with the option **Run as administrator**) and type **taskschd.msc** to launch the Task Scheduler utility.



2. Verify that the 5 listed Jobs are existent.
    - SUITE8 db schema analyze
    - SUITE8 db clean log files
    - RMAN backup database
    - RMAN backup archive
    - RMAN maintenance



3. Close the Task Scheduler utility