HP IT Business Analytics

Software Version: 10.00
Linux ® operating system

Installation Guide

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Contents

Plan the Installation

Before you begin your deployment of IT Business Analytics, you should:

- Understand the components of the application. For more information, see "HP IT Business Analytics Components" on page 6

- Decide which type of IT Business Analytics licensing you are implementing, and if necessary purchase the relevant license key file. For more information, see "HP Licensing" on page 7.

- Decide whether your deployment will be for Development, Test, or Proof-of-Concept (POC), or Production environments.

  For more information, see "Deployment Solutions" on page 8.

- Decide if you want to work with SAP Business Objects Enterprise.

  For more information, see External or Internal SAP BusinessObjects Enterprise Component.

- Ensure that your hardware and software meet the system requirements.

  The environments supported by IT Business Analytics are described in the Support Matrix document available from the Support Site (**http://h20230.www2.hp.com/selfsolve/manuals** or from the Installation DVD).

Limitation: Do not use the following characters in any of the directory names specified during the Business Analytics installation or post-installation procedures: % ^ & < > | ' ` , ; = ( ) ! \ [ ] "

HP IT Business Analytics Components

Business Analytics includes the following components:

- **Business Analytics Application** - Provides the means to define IT goals and objectives, to measure performance, and provides actionable insights into performance improvement plans. It includes the Dashboard, Studio, Explorer, Admin, and Data Warehouse (DWH) modules.

  DWH is a repository for key business data that is cleansed, consolidated, and organized to support efficient queries, reports, and to populate a variety of business analytics. The contents of the Data Warehouse depend on the external HP applications that generate business data. For example, the data may originate from external applications such as HP Application Lifecycle Management or HP Project and Portfolio Management.

- **Optional - SAP BusinessObjects Enterprise** (BOE) - A solution that provides reporting , analysis and information delivery via web applications. This component is optional. SAP BusinessObjects Enterprise must be installed separately.

- **Common components** - foundations on which the IT Business Analytics deployment is built. Common components are automatically installed on servers when you install BA.

Other critical external components include:

- **Vertica** - An analytics database that handles big data from our source system and relevant information.

- **Source Application Servers** - Source data originates in external application repositories. Data Warehouse consolidates the data from one or more of these external application repositories, and makes it available for analysis by Business Analytics.

HP Licensing

The HP License Key Delivery Service web site (webware.hp.com) manages HP software licensing for the IT Business Analytics application. You can view or download the latest version of the ESD and Webware License Management Guide from this site. The guide describes the current process to obtain your entitlement certificate, which contains the HP order number that you need to generate your permanent license keys.

Follow the steps in the ESD and Webware License Management Guide to present your HP order number, select the products that need licenses, and provide other required information.

If you are a first time visitor to the web site, you will be asked to create an account with an email address and password. Most requests to generate permanent license keys require the following:

- IT Business Analytics product name and number shown on the product receipt or in the email sent by HP to acknowledge the order.
- The order number from the entitlement certificate.
- A target server name and IP address.
- Contact information, such as company name, your name, fax and phone numbers, and license ownership details.

If necessary, you can return to the HP License Key Delivery Service web site and retrieve the permanent or temporary license keys again by selecting Manage Licenses on the web site home page and logging into your account.

If you have an existing SAP BusinessObjects Enterprise installation, you can use that instance. If you purchase SAP BusinessObjects Enterprise with the HP Business Analytics, the purchase includes the required licenses.

Other applications that generate or use data, require separate licenses.

Permanent License Keys

After you create your user account on the HP License Key Delivery Service web site (webware.hp.com), generate the entitlement certificate, and generate the license keys, the License Key Delivery Service sends permanent keys to you in an email text file attachment. You load permanent license key files during the post-installation configuration. When a permanent IT Business Analytics license covering the components you are installing is loaded, details of the license are recorded to the Management database and there is no further requirement for loading the license when installing each component.

Temporary Licence Keys

A temporary license for 60 days is automatically generated during the installation procedure.

Deployment Solutions

IT Business Analytics is made up of various components, such as Data Warehouse and BA. SAP BusinessObjects Enterprise is optional.

Vertica must be installed before you install IT Business Analytics. In addition, the data sources must be installed on separate servers. The Target Scheme, Application Scheme, and Extension Scheme are all part of Vertica.

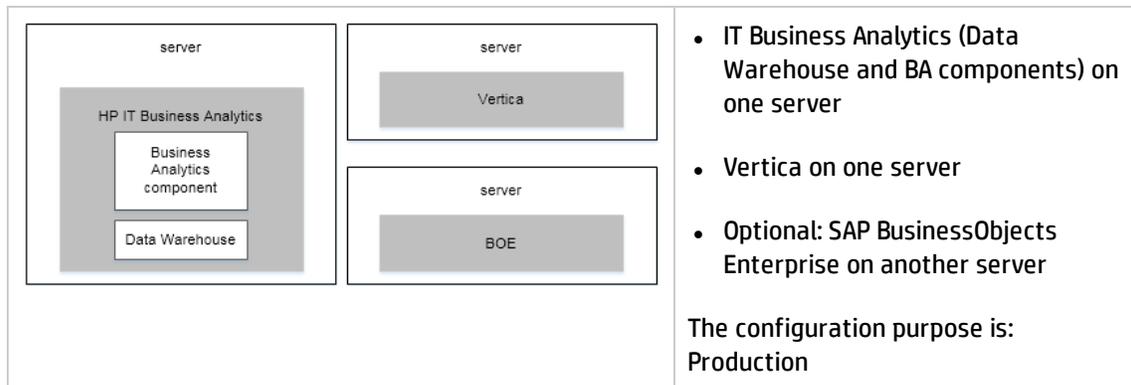SAP BusinessObjects Enterprise is optional and can be installed at any time.

Depending on the purpose of your installation, you can use one of the deployment solutions described below:
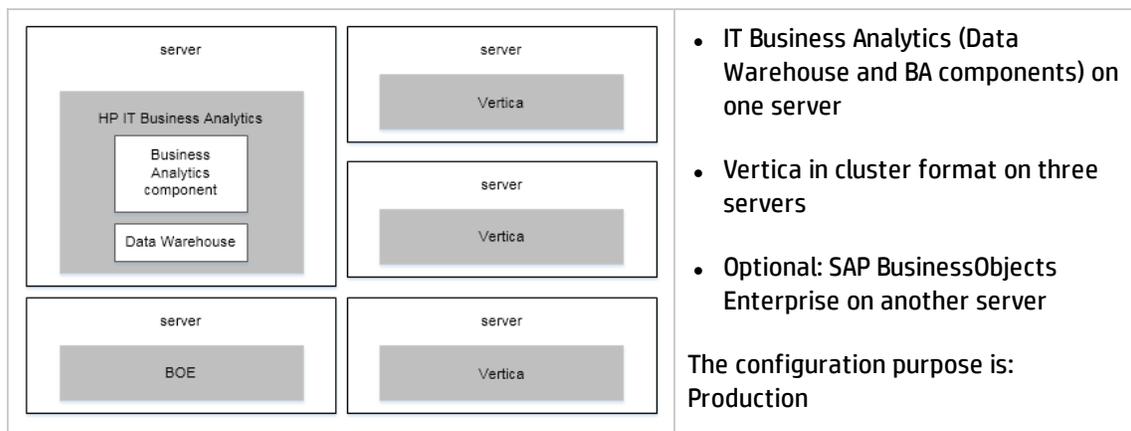
- **Proof of Concept.**

  Use the virtual appliance installation for Proof-of-Concept projects. A Virtual Machine with BA 10.00, CAPs, and KPIs is provided for that purpose.

  For details, see Virtual Appliance Installation.

- **2 servers.**

- IT Business Analytics (Data Warehouse and BA components) on one server

- Vertica on one server

- Optional: SAP BusinessObjects Enterprise on another server

The configuration purpose is: Production

- **4 servers.**

- IT Business Analytics (Data Warehouse and BA components) on one server

- Vertica in cluster format on three servers

- Optional: SAP BusinessObjects Enterprise on another server

The configuration purpose is: Production

For additional details, see *BA Support Matrix*.

Prerequisites

Before you start the installation check the following prerequisites.

Fully Qualified Domain Name (FQDN) settings

FQDN is required for the BA application servers. Contact the administrator if you do not have an FQDN.

Licenses

During the Business Analyticsconfiguration, you are required to enter the application license details.

HPBA User

You much create an account on Linux called **hpba**. Log on to Linux using the account before installation. This will setup the environment variables.

Optional – Install the Vertica Driver in the BOE Server

If you work with BOE, you must install the Vertica Driver in the BOE Server (Windows/Linux) as follows:

1. Get the Vertica JDBC driver from HPBA in the following directory:

   %BTOA_HOME%/glassfish/glassfish/domains/BTOA/lib/vertica-jdbc-7.1.1-0.jar

2. Copy the driver to the following location in the BOE server:

   **Window Server.
   [BO_INSTALLATION_DIRECTORY]\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc**

   **Linux Server.
   [BO_INSTALLATION_DIRECTORY]/sap_bobj/enterprise_ xi40/dataAccess/connectionServer/jdbc/**

3. Open the following file:

   **Window Server.
   [BO_INSTALLATION_DIRECTORY]\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc\vertica.sbo**

   **Linux Server.
   [BO_INSTALLATION_DIRECTORY]/sap_bobj/enterprise_ xi40/dataAccess/connectionServer/jdbc/ vertica.sbo**

4. Update the driver locations in vertica.sbo:

```
<Defaults>
    <Class JARFile="dbd_vertica">com.sap.connectivity.cs.java.drivers.jdbc.vertica.VerticaDriver</Class>
    <JDBCDriver>
        <ClassPath>
            <Path>C:\\Program Files (x86)\\SAP BusinessObjects\\SAP BusinessObjects Enterprise XI 4.0\\dataAccess\\connectionServer\\jdbc\\vertica-jdbc-7.1.1-0.jar</Path>
        </ClassPath>
        <Parameter Name="JDBC Wrapper">com.sap.connectivity.cs.java.drivers.jdbc.wrapper.JDBCWrapper</Parameter>
    </JDBCDriver>

<DataBases>
    <DataBase Active="Yes" Name="HP Vertica 6.1">
        <JDBCDriver>
            <ClassPath>
                <Path>C:\\Program Files (x86)\\SAP BusinessObjects\\SAP BusinessObjects Enterprise XI 4.0\\dataAccess\\connectionServer\\jdbc\\vertica-jdbc-7.1.1-0.jar</Path>
            </ClassPath>
            <Parameter Name="JDBC Class">com.vertica.jdbc.Driver</Parameter>
            <Parameter Name="URL Format">jdbc:vertica://$DATASOURCE$/$DATABASE$</Parameter>
        </JDBCDriver>
```
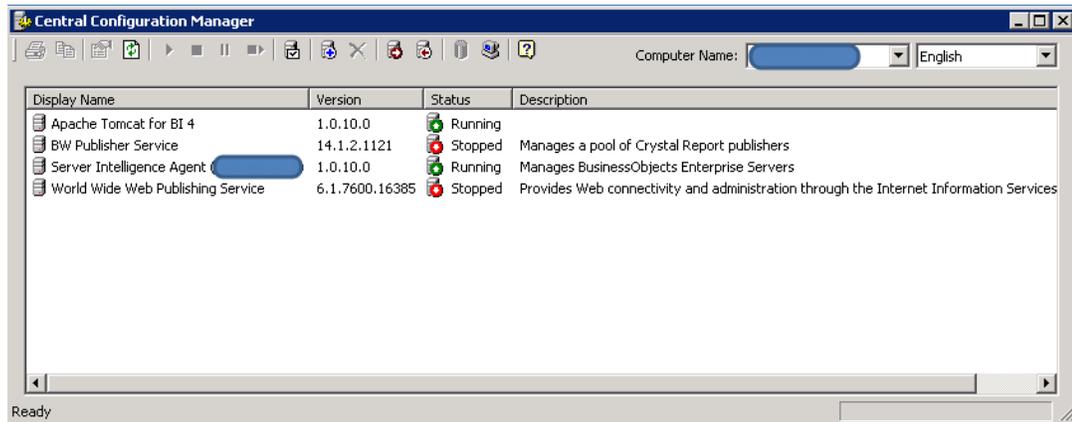
5. Restart Tomcat and SIA in the Central Configuration Manager:

   - For Windows Server.

   - For Linux Server, execute the scripts listed below:

   cd [BO_INSTALLATION_DIRECTORY]/sap_bobj

   ./stopservers

   ./tomcatshutdown.sh

   ./startservers

   ./tomcatstartup.sh

6. The procedure is complete.

GUI Installation

Make sure you install the following components in the order below:

1. Vertica
2. BOE (Optional)
3. BA

Introduction

1. Create a user named **hpba**.

   Do not use another name and make sure the name is lowercase.

2. Download the **HPBA-10.00.615.tar.gz** file from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home?lang=en-US) and save it under **<HPBA-Home>/<anywhere>**.

   Make sure that the path to the target directory does not include blank spaces, brackets (or), or single quotes (').

3. Log on to the Linux server where you want to install BA using the new account **hpba**.

   Do not log on with another user name and then switch users to hpba.

4. Extract the .gz file **HPBA-10.00.615.tar.gz** using the command **tar -zxvf HPBA-10.00.615.tar.gz**.

5. Switch to the root user with command **su**.

6. Run the **./hpba-10.00.615_setup.bin** to launch the wizard page.

   Do not use the root user to log on to the Linux server directly.
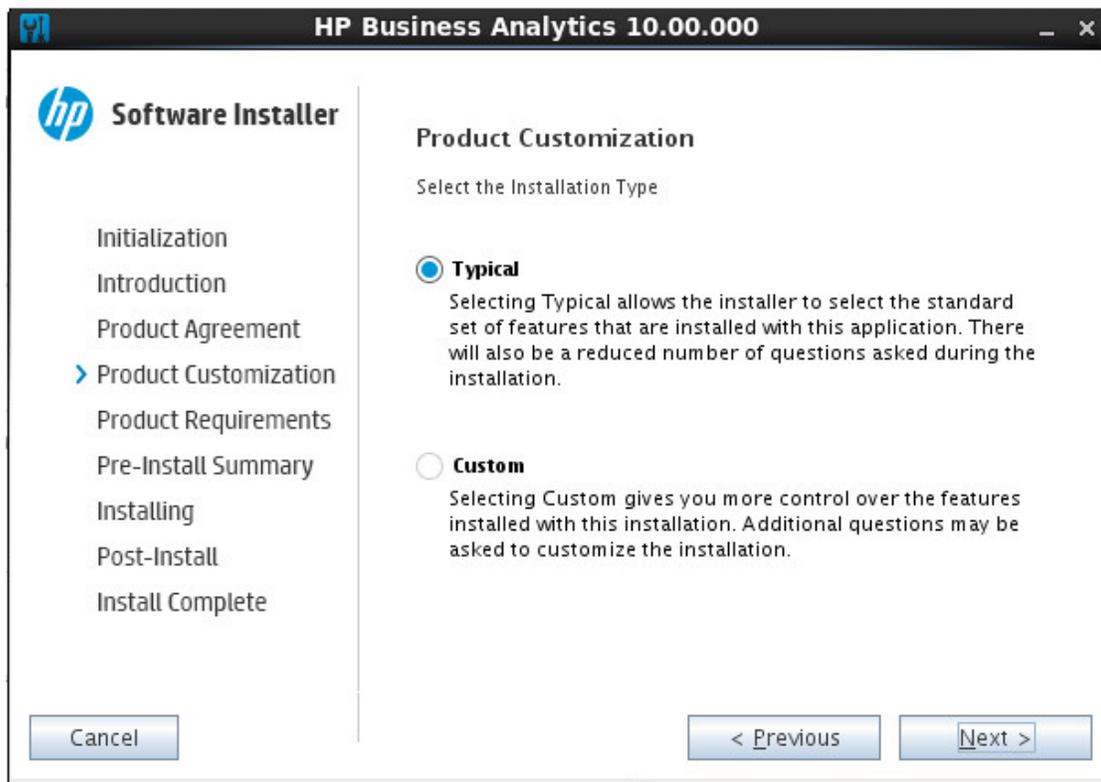
   The installation wizard opens.

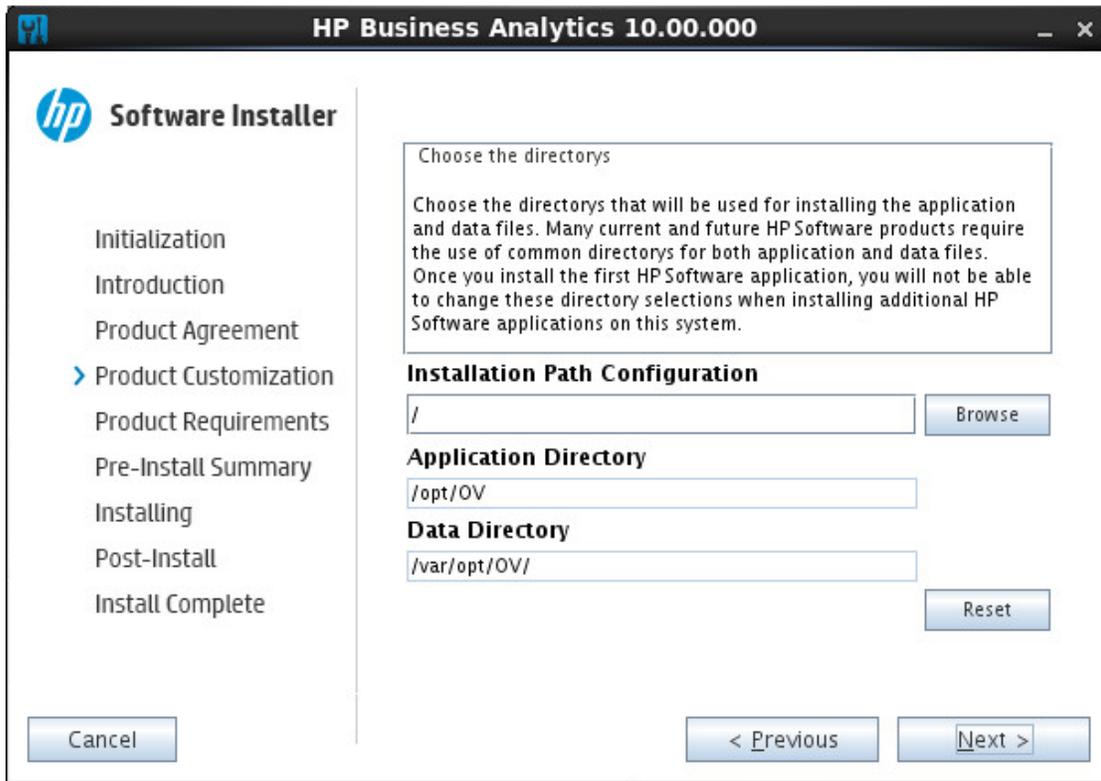7. In the page that opens, click **Next**.
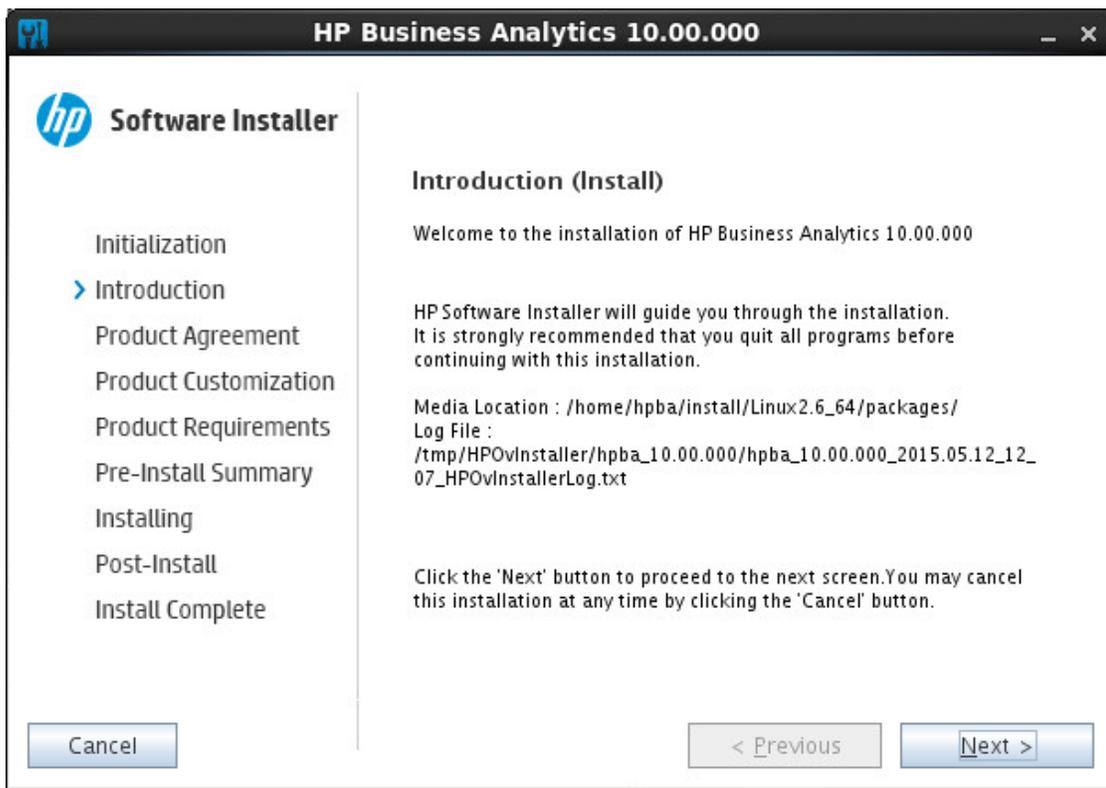
8. In the page that opens, select **I accept the terms of the License Agreement**, and click **Next**.
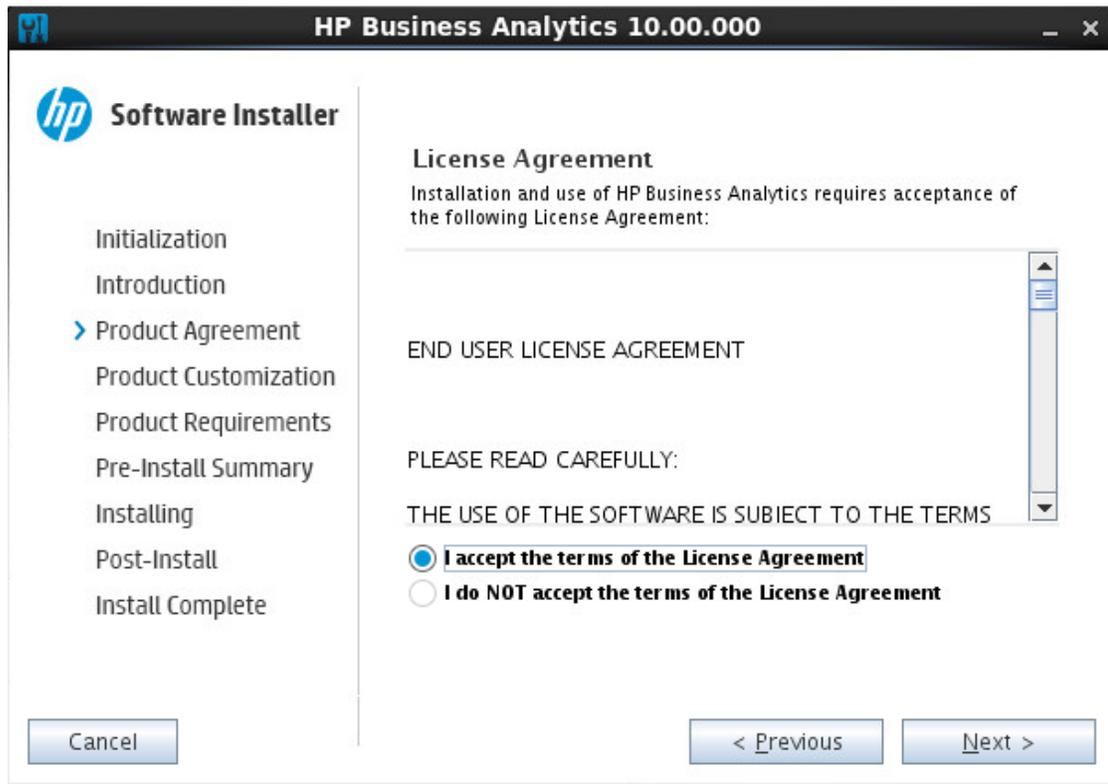
9. In the page that opens, select **Typical** or **Custom**, and click **Next**.

10. In the page that opens, enter the directory where you want to install BA in the **Installation Path Configuration** field. The Application Directory path and the Data Directory path are automatically deducted from the installation path. Click **Next**.

11. In the page that opens, if the check fails (red color), click the relevant check box to display detailed information. Click **Next**.
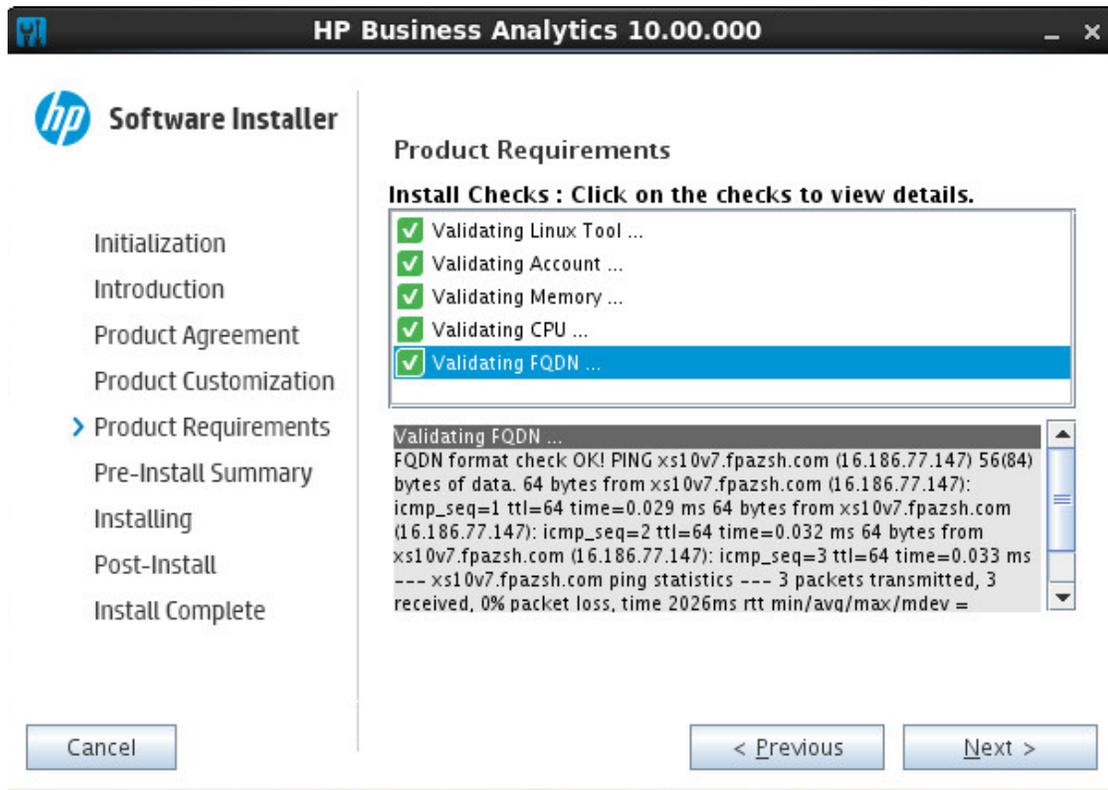
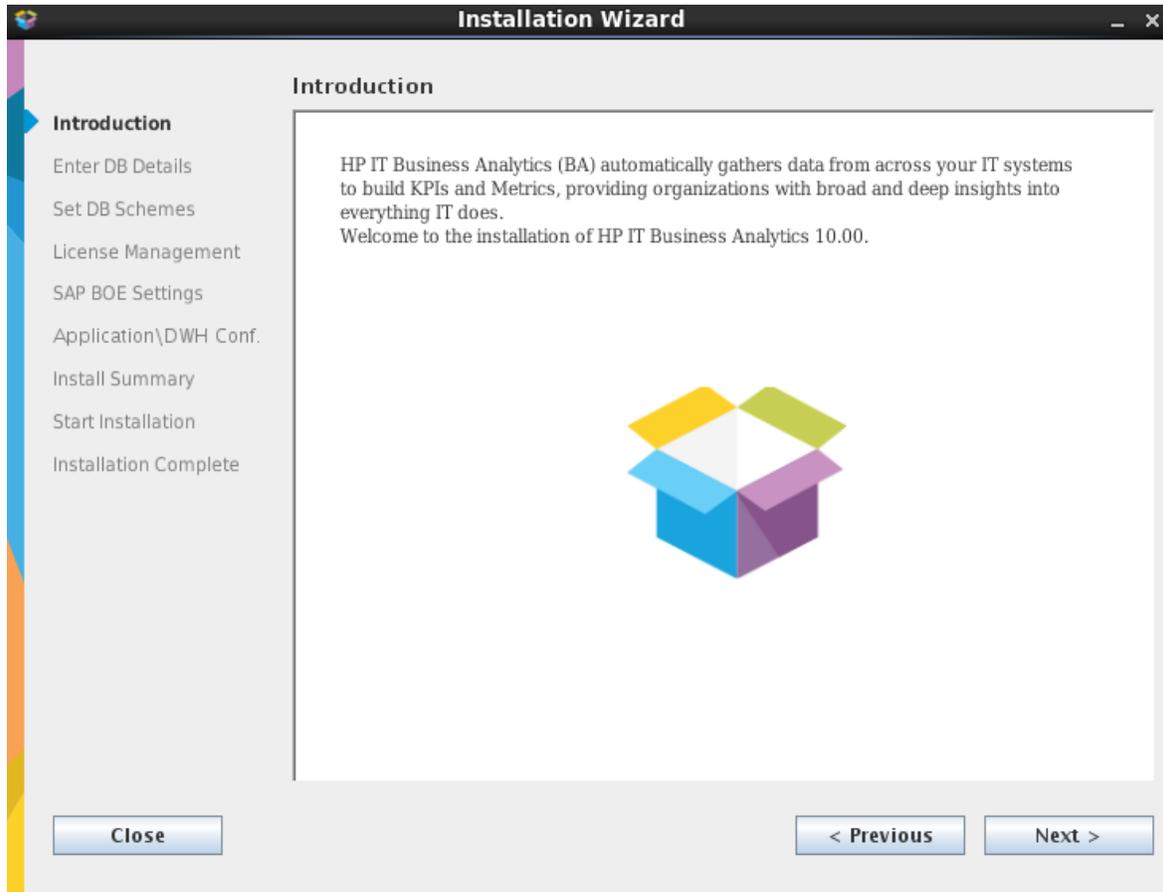12. In the page that opens, click **Install**.
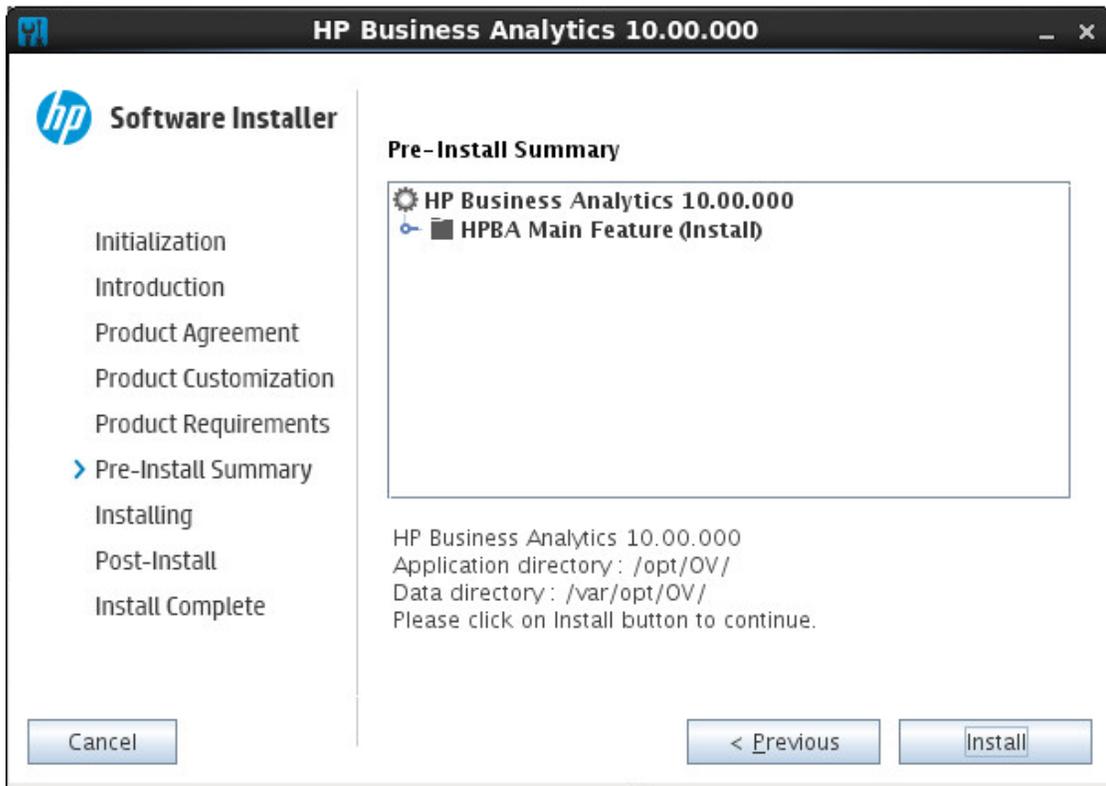
13. In the page that opens, you can view the progress of the unzipping of the installation package.

14.

Post-Installation

When the unzipping is complete, the post-installation starts. Click **Next**.

Enter the Vertica Database Server Details

In the page:

1. Enter the Vertica database details.

Host Name	The fully qualified domain name (FQDN) or IP address of the server hosting the Vertica database.
	To configure Vertica load balancing, see the section "Connection Load Balancing" in the Vertica Administrator's guide at https://my.vertica.com/docs/7.1.x/PDF/HP_ Vertica_7.1.x_AdministratorsGuide.pdf.
Port	The port of the server listener. Change this value to connect to a non-default database instance on the server.
	For more information about ports, see the Support Matrix document available from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home) or from the Installation DVD.
Database Name	The name of the Vertica database instance that is used as the data warehouse.
	Make a note of the Vertica database name as you may need it when installing other components.
	For details, see Database Naming Conventions.

Login Name	The name of the user used to log on to the Vertica database. Default: **dbadmin**
Password	The password of user used to log on to the Vertica database. Default: **openview**

2. Click **Run Check**.

   The system verifies that the server answers all needed requirements.

   If the check passes with no errors, the **Next** button is enabled.

3. Click **Next**.

Enter the Database Scheme Names

By default, the fields in the page already include the default names.

1. Enter your own values or keep the defaults:

|	
Source Staging Scheme name	The name of the source staging scheme. Default: **dws**
Target Staging Scheme name	The name of the target staging scheme. Default: **dwst**
Target Scheme name	The name of the target scheme. Default: **dwt**
Application Scheme name	The name of the application scheme. Default: **BA**
Result Scheme name	The name of the result scheme. Default: **dbo**
Extension Scheme name	The name of the extension scheme. Default: **ext**

After entering the DB schemes, the **Next** button is enabled.

2. Click **Next**.

Load Your License

In the page:

1. Load the permanent license or use the evaluation license:
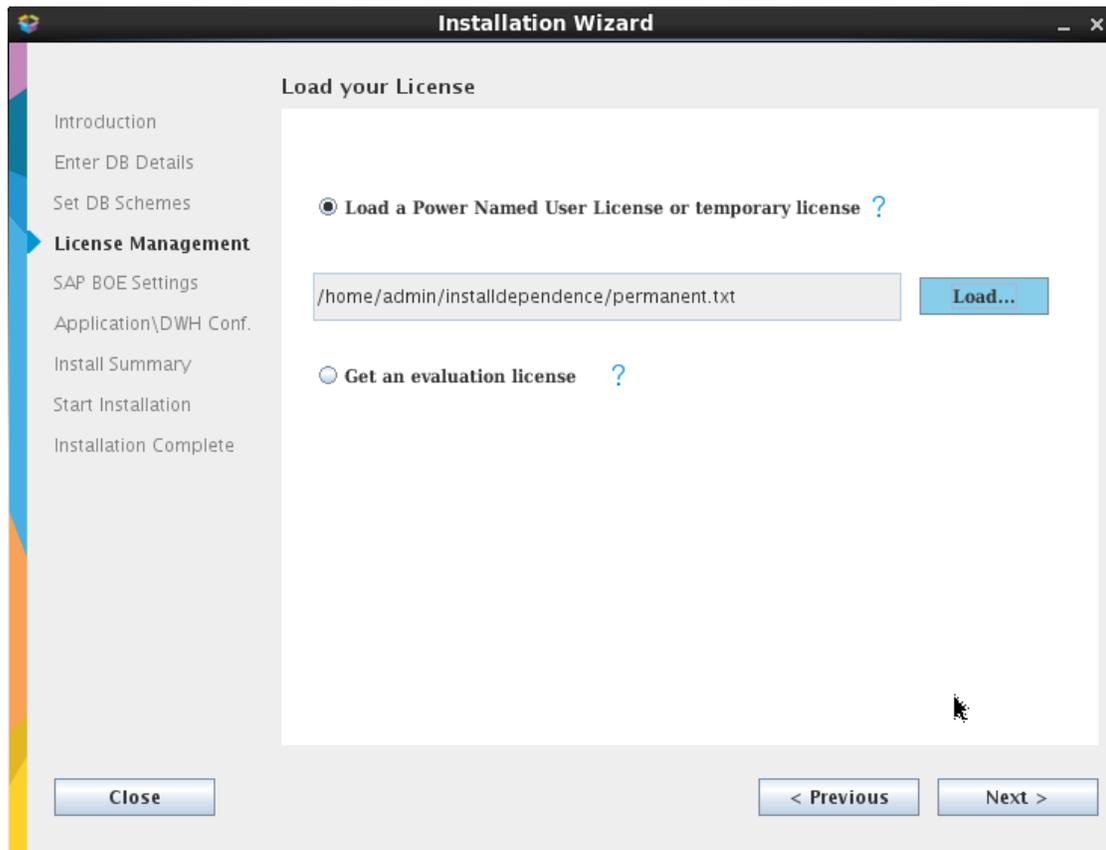
Load a Power Named User license or temporary license	Select to load one of the following license types: • **Power Named User License.** Has no expiry date and is loaded once during the post-install. • **Temporary.** Has an expiry date. On expiration, a new license must be loaded. To load a license, click **Load**, Navigate to the license file provided by your supplier, and then click **Load License**.
Get an evaluation license	Select to load a one-off 60-day evaluation license. The remaining valid period of the license is displayed. For details, see Update Licenses in the *BA Administrator Guide*.

After selecting the relevant license, the **Next** button is enabled.

2. Click **Next**.

Enter the SAP BOE Server Settings

In the page:

1. Select **Connect to an existing BOE server**, if you want to integrate with an existing BOE server. Click **Next** if you do not need to connect to BOE at this time.

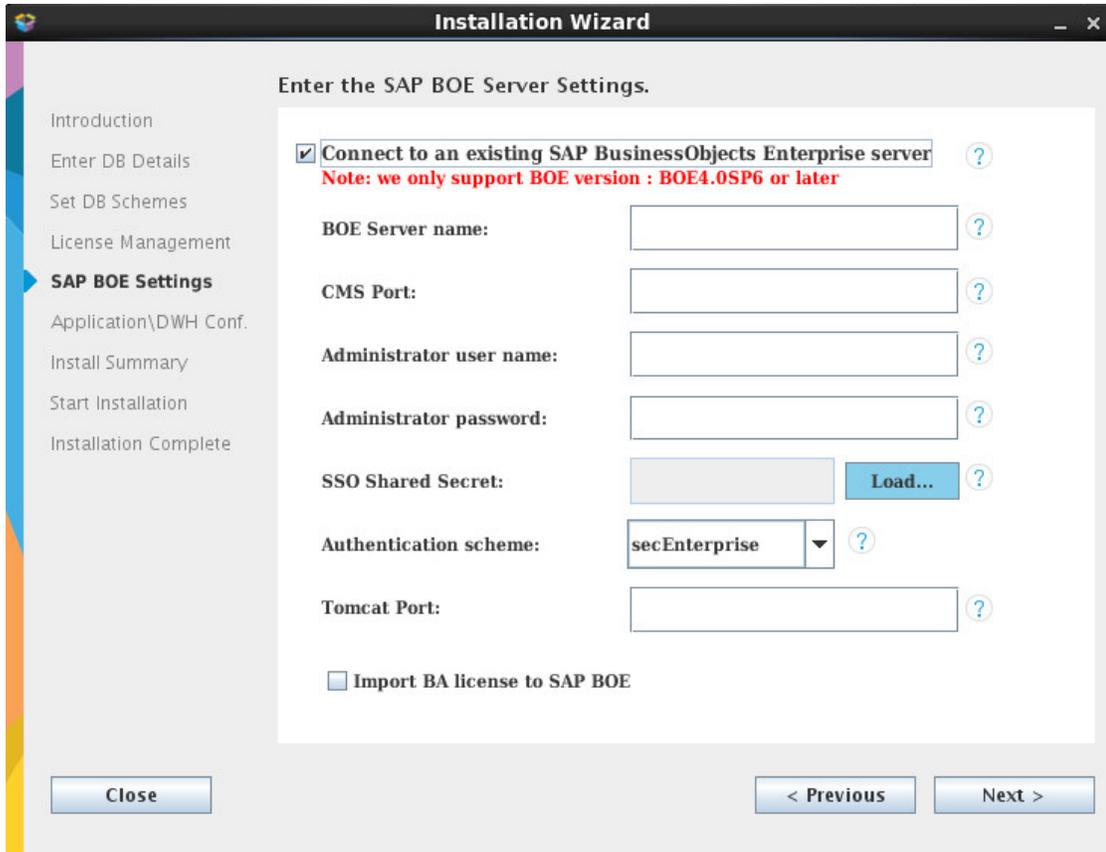   When you do not select the option:

2. Select the **Connect to an existing BOE server** option if you want to connect to BOE at this time. Once you select this option, the rest of the fields become enabled. Enter the BOE server details (if needed):

When you select the option:

Connect to an existing SAP BusinessObjects Enterprise server	Select to connect to an existing SAP BusinessObjects Enterprise server. **Note:** Only specific SAP BOE versions are supported. For details, see the Support Matrix. The Support Matrix is available from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home).
BOE Server name	The name of the server on which is located the SAP BusinessObjects Enterprise that you want to connect with Business Analytics is installed.
CMS Port	The port number of the CMS listener (usually 6400). For more information about ports, see the Support Matrix document available from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home).
Administrator User Name	The user name for the SAP BusinessObjects Enterprise administrator. Use this user to log on to SAP BusinessObjects Enterprise.
Administration	The SAP BusinessObjects Enterprise Administrator password. This

Password	password is used only to log on to SAP BusinessObjects Enterprise.
	This password is used only to log on to SAP Business Object Enterprise.
SSO Shared Secret	The path to the file that includes the SSO shared secret password. The shared secret password is used to authenticate communications with the SAP BusinessObjects BI platform 4.0 SP6 or later server. If trusted authentication is configured, the shared secret entered is validated against the SAP BusinessObjects server. If trusted authentication is not configured, the entered shared secret is configured on the SAP BusinessObjects BI platform server.
Authentication scheme	**secEnterprise.** The default authentication method for the BI platform. It is automatically enabled when you first install the system, and it cannot be disabled. When you add and manage users and groups, the platform maintains the user and group information within its database.
	If you prefer to create distinct accounts and groups for use with the BI platform, or if you have not already set up a hierarchy of users and groups in a third-party directory server, you have to do it manually.
Tomcat port	The BOE Tomcat port used to display the BOE reports in Scorecard (usually 8080). For more information about ports, see the Support Matrix document.
	The Support Matrix is available from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home).
Import BA license to SAP BOE	Select to import the BA license to SAP BOE.

3. After entering the BOE server details (if needed), the **Next** button is enabled.
4. Click **Next**.

Enter the Application\DWH Configuration Details

In the page:

1. Enter the relevant application and DWH configuration details:

Period Dimension	**First Year.** The first year in the period dimension is the first year used when automatically populating Data Warehouse tables with yearly, quarterly, monthly, weekly and daily records.
	Change the First Year value by clicking the up or down arrows.
	Last Year. The last year in the period dimension is the last year used when automatically populating Data Warehouse tables with yearly, quarterly, monthly, weekly and daily records.
	Change the Last Year value by clicking the up or down arrows.
	Note: The Last Year must not be lower than the current year.
	For more information, see Change the Data Warehouse Period Dimensions in the *BA Administrator Guide*.
	First fiscal month of the year. The first fiscal month of the year in your organization.

	First day of the week. The day of the week you want to set as the first day.
Data related configuration:	**Time Zone.** The Data Warehouse time zone used when consolidating the data extracted from the data sources.
Web Server configuration:	• **HTTP Port.** The port of the HTTP listener. Select a Linux port number between 1024 to 65534. **Note:** If you want to use the default HTTP port in the Business Analytics installation, you must ensure that the port is not in use by another process. • **HTTPS Port.** The port of the HTTPS listener. Select a Linux port number between 1024 to 65534 (usually 8443) For more information about ports, see the Support Matrix document available from the Support Site (https://softwaresupport.hp.com/group/softwaresupport/home) or from the Installation DVD).
Currency:	**Default Currency.** The currency to use as default. Tip: If you are using the HP Project and Portfolio Management or the HP Asset Manager applications as data sources, make sure that you select the currency corresponding to the currency defined in these applications. The supported currencies follow ISO 4217 (http://www.iso.org/iso/home/standards/currency_codes.htm). Default: USD – US Dollar

After entering the details, the **Next** button is enabled.

2. Click **Next**.

Enter the Application\DWH Configuration Authentication Details Page

1. Enter the relevant application configuration details:

Glassfish authentication parameters:	The user password for glassfish. **Note:** • The password must be at least 8 characters in length, and must contain a combination of three of the following categories: upper case English characters (A-Z), lower case English characters (a-z), numbers (0-9), and non-alphanumeric characters (for example: ! $ # % and more). • The password is case-sensitive. • You can change the glassfish password using the Maintenance Tool. For details, see Maintenance Tool in the *BA Administrator Guide*. Re-enter the password for the administrator.
Application authentication	The user name for the BA administrator. Use this user to log on to Business Analytics.

parameters:	The password for the BA administrator. **Note:** ● The password must be at least 8 characters in length, and must contain a combination of three of the following categories: upper case English characters (A-Z), lower case English characters (a-z), numbers (0-9), and non-alphanumeric characters (for example: ! $ # % and more). ● The password is case-sensitive. Re-enter the administrator password.

After entering the details, the **Next** button is enabled.

2. Click **Next**.

Install Summary Page

In the page, a summary of the selected configuration is displayed. Click **Next** to start the installation. Click **Back** to correct the configuration.
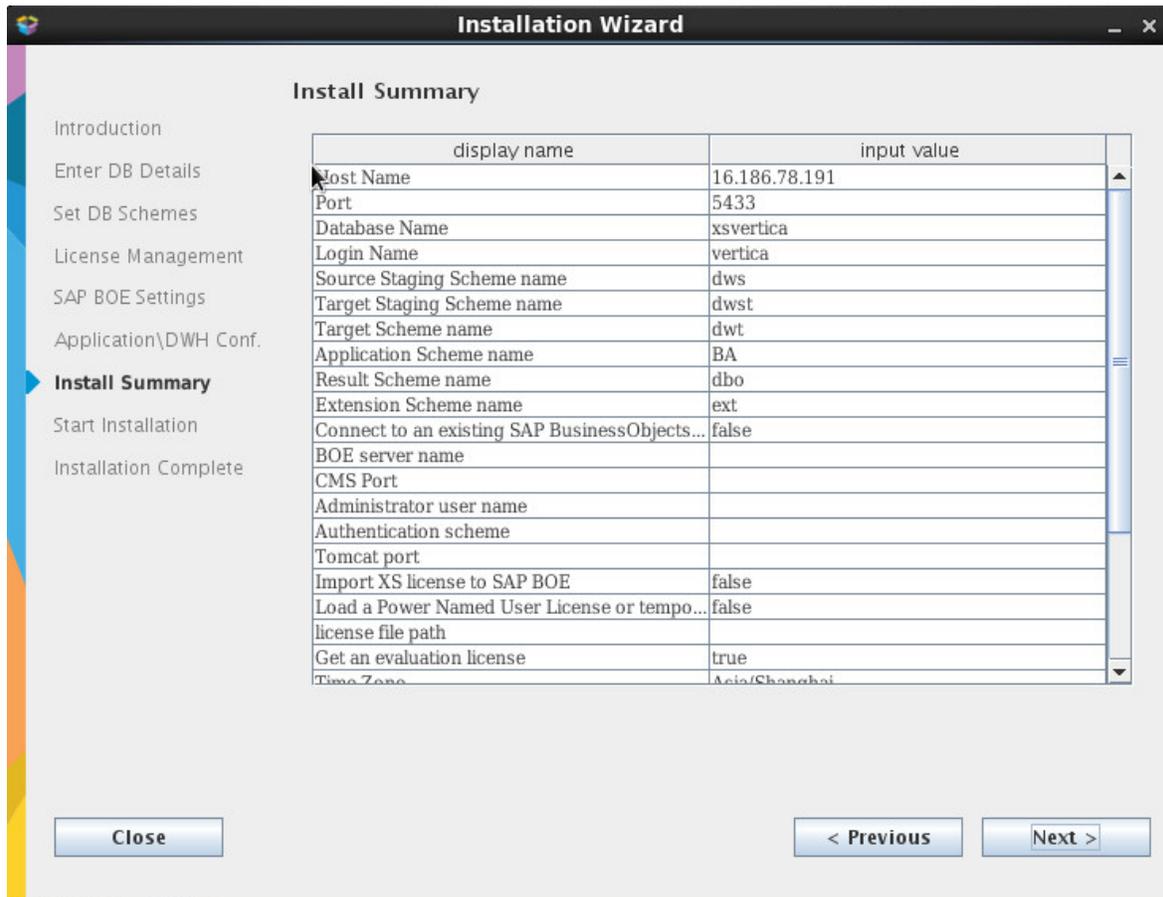
The passwords that you entered in the post-install pages are encrypted and are not displayed in the Install Summary.

Installation is Running

The page that indicates that the installation is running is as follows:
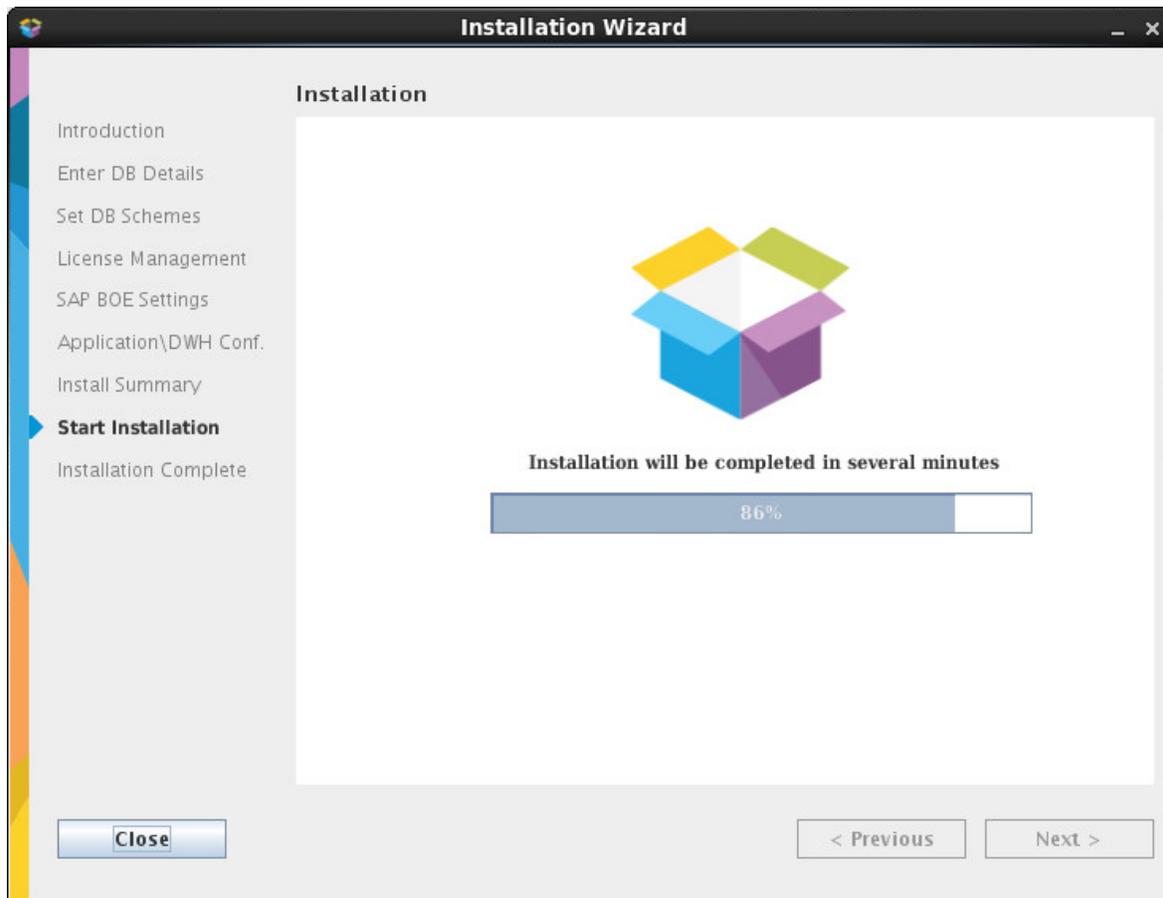
Install Complete

The installation is complete when the following page is displayed.

You can now launch the Business Analytics application by following the steps listed on the page.
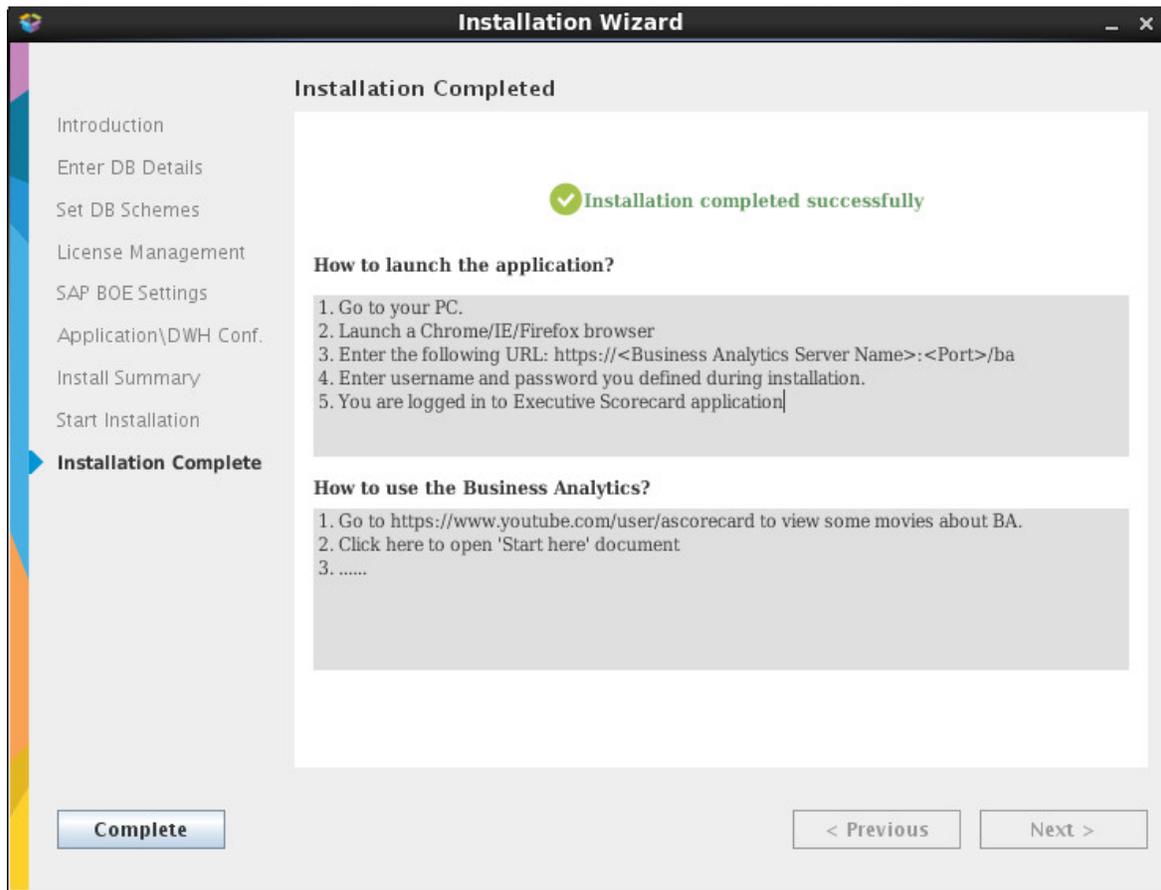
Click **Complete**.
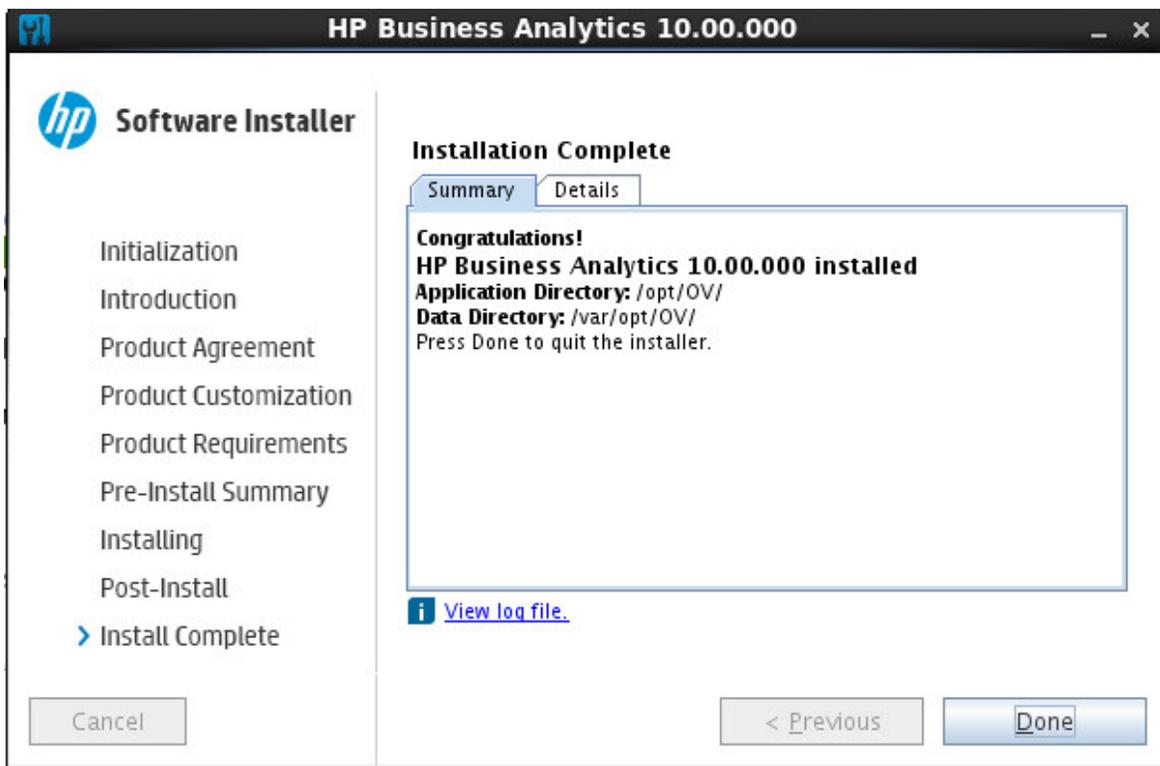
Click **Done** to complete the installation.

Uninstall BA after a GUI Installation

To uninstall BA, proceed as follows:

1. Run the **./hpba-10.00.615_setup.bin** using the root account and then click **Next**.
2. In the Maintenance Selection page, click **Uninstall**.
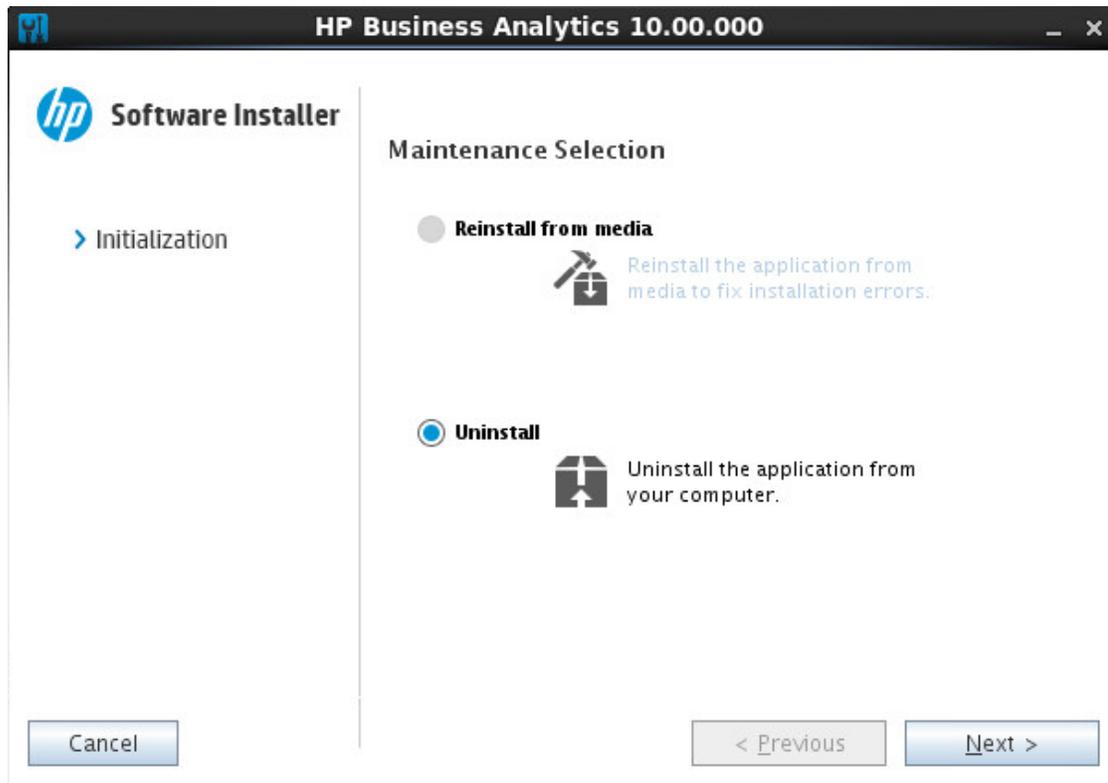
3. In the Pre-Uninstall Summary page, select **Uninstall**.
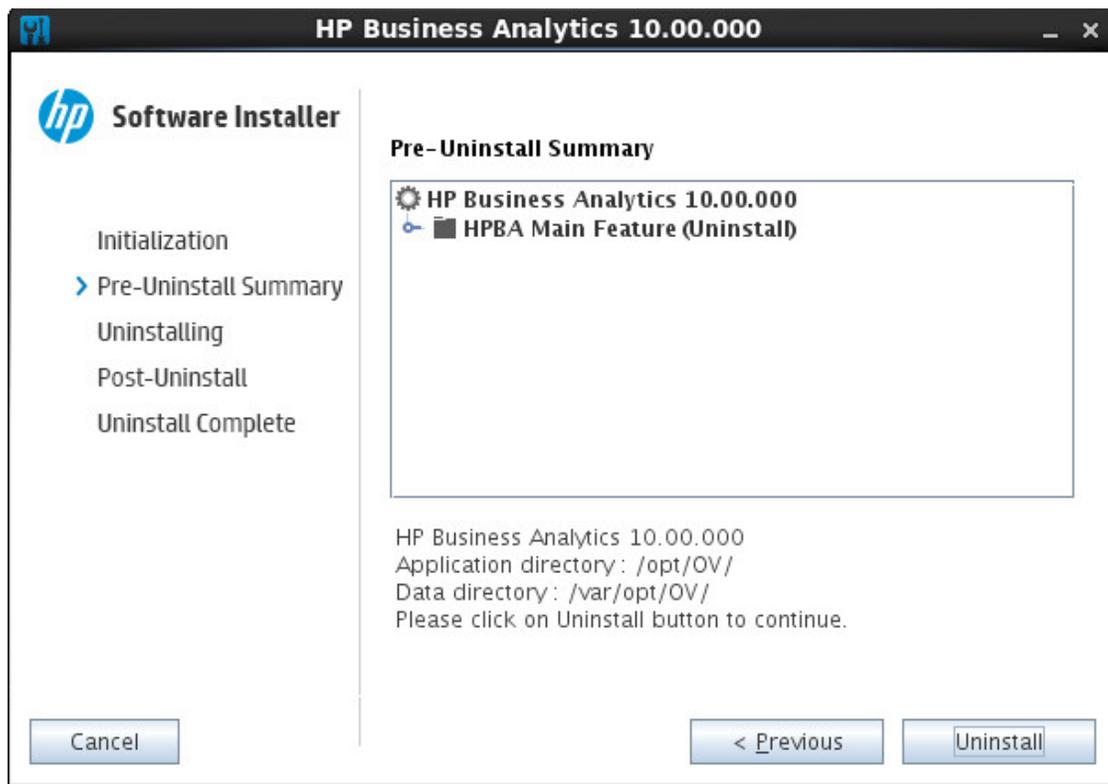
4. The un-installation process starts:
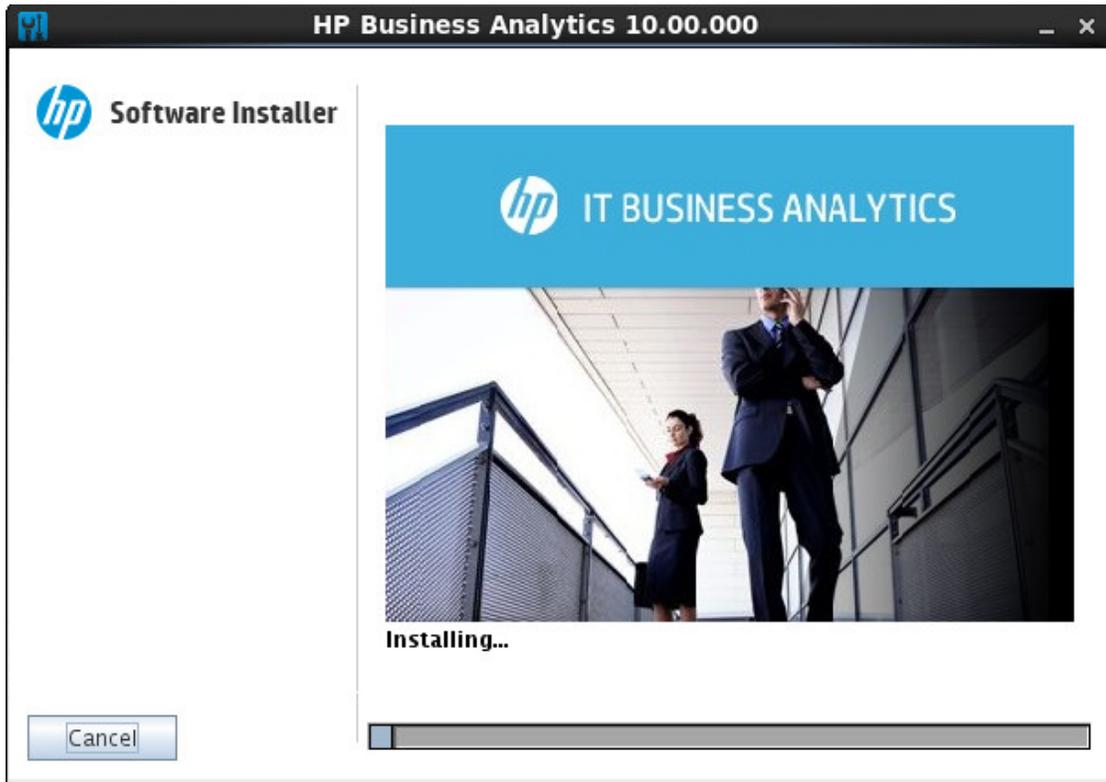
5. The post-uninstall process starts:

6. The Uninstallation Completed page is displayed. Click **Close**.
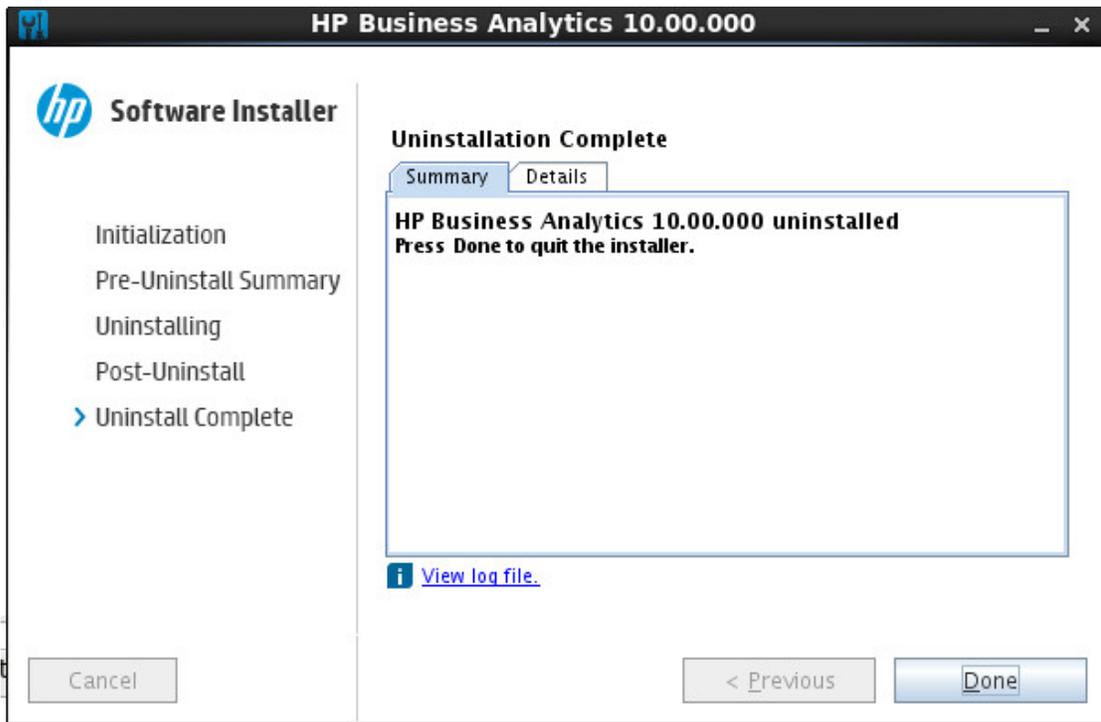
Silent Installation

You can install IT Business Analytics using a silent installation (see below) or a GUI installation.

Install BA using a silent installation

To install BA using the silent installation, proceed as follows:

1. Create a user named **hpba**.

   Do not use another name and make sure the name is lowercase.

2. Log on to the Linux server where you want to install BA using the new account **hpba**.

3. Download the **HPBA-10.00.615.tar.gz** file from the Support Site
   (https://softwaresupport.hp.com/group/softwaresupport/home?lang=en-US) and save it under
   <HPBA-Home>/<anywhere>.

   Make sure that the path to the target directory does not include blank spaces, brackets (or), or
   single quotes (').

4. Create the **ovinstallparams.ini** file as follows and save it in the same location as the setup.bin
   file: **<HPBA-Home>/<anywhere>**.

   The ovinstallparams.ini file is as follows:

   ```
   [installer.properties]
   installDir=/home/hpba/ba/
   customFeatureSelected=hpba
   tempDir=/tmp
   setupType=typical
   dataDir=/home/hpba/ba/var/
   licenseAgreement=true
   secondaryLogFile=/tmp/hpba_10.00.000_HPOvInstaller.txt
   appRevision=10.00.000
   uiMode=SILENT
   customLangSelected= en
   setup=hpba
   systemLocale=English
   htmlLogFile=/tmp/HPOvInstaller/hpba_10.00.000/HPOvInstallerLog.html
   group=Default
   primaryLogFile=/tmp/HPOvInstaller/hpba_10.00.000/HPOvInstallerLog.txt
   media=/home/hpba/install/Linux2.6_64/packages/
   systemDir=/usr/local/bin
   appDescription=HP Business Analytics
   ```

   a. In **installDir**, enter **/home/hpba/<anywhere>** or **/opt/OV** (default location). If needed, replace
      the default location of the installation directory.

b. **media=/home/hpba/install/Linux2.6_64/packages/**. The value of the media parameter is the path to the **hpba-10.00.000-Linux2.6_64.rpm** file.

5. Run the **./hpba-10.00.615_setup.bin –i silent.** using the root account.

   The BA installation file is automatically unzipped to the folder that you specified in the **installDir** property in the **ovinstallparams.ini** file.

```
[installer.properties]
installDir=/home/hpba/ba/
customFeatureSelected=hpba
tempDir=/tmp
setupType=typical
dataDir=/home/hpba/ba/var/
licenseAgreement=true
secondaryLogFile=/tmp/hpba_10.00.000_HPOvInstaller.txt
appRevision=10.00.000
uiMode=SILENT
customLangSelected= en
setup=hpba
systemLocale=English
htmlLogFile=/tmp/HPOvInstaller/hpba_10.00.000/HPOvInstallerLog.html
group=Default
primaryLogFile=/tmp/HPOvInstaller/hpba_10.00.000/HPOvInstallerLog.txt
media=/home/hpba/install/Linux2.6_64/packages/
systemDir=/usr/local/bin
appDescription=HP Business Analytics
```

6. Go to the folder you specified in **installDir** and run **install.sh -a** to generate the answer file.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<config>

    <section name="PreCheck" description="this section will be responsible for
filling the pre-condition values">

        <field id="install.PRODUCT_AGREEMENT" description="it indicates whether
user accept the product announcement, which can be 'Yes' or 'No'. If it is
'No', installation will not be continued.">

            <name>ProductAgreement</name>
```

```
            <value>Yes</value>

        </field>

        <field id="install.LICENSE_IS_EVALUATION" description="it indicates
license type of product, which can be 'true' or 'false','true' means you don't
have a valid license and you want to get an evaluation license,'false' means
you want to Load a Power Named User License or temporary license">

            <name>productTypeFlag</name>

            <value>false</value>

        </field>

        <field id="install.LICENSE_POWERUSER_FILE_PATH" description="it
indicates the license file path of power user for installation, you need to
input value to it if install.LICENSE_IS_EVALUATION is 'false'">

            <name>LicenseFilePathOfPowerUser</name>

            <value>/home/admin/installdependence/HPBA-10.00.00-SNAPSHOT-001-
master/permanent.txt</value>

        </field>

        <field id="install.LICENSE_VIEWER_FILE_PATH" description="it indicates
the license file path of viewer for installation, if you want to input your
viewer license, your powerUser license must be valid">

            <name>LicenseFilePathOfViewer</name>

            <value></value>

        </field>

    </section>

    <section name="DWH" description="this section will be responsible for
filling the property values for DWH">

        <field id="bo.cms.import.xs.license" description="it indicates whether
import XS license to SAP BOE or not,please input 'true' or 'false'">

            <name>importXSLicenseToSAPBOE</name>

            <value>true</value>
```

```
        </field>

        <field id="bo.engine.is.installed" description="it indicates the boe is
installed or not,input true or false">

            <name>boe install status</name>

            <value>true</value>

        </field>

        <field id="bo.engine.logon.auth.type" description="it indicates the boe
logon auth type:
[secEnterprise,secLDAP,secWinAD,secSAPR3,secPSE1,secOraApps,secpsenterprise,sec
Siebel7]">

            <name>boe logon auth type</name>

            <value>secEnterprise</value>

        </field>

        <field id="bo.cms.host.name" description="it indicates the host name of
boe">

            <name>boe HostName</name>

            <value>16.157.133.150</value>

        </field>

        <field id="bo.cms.host.port" description="it indicates the port number
of boe">

            <name>boe port</name>

            <value>6400</value>

        </field>

        <field id="bo.cms.sso.shared.secret" description="it indicates the
shared secret of boe">

            <name>boe shared secret</name>

            <value>/home/admin/installdependence/HPBA-10.00.00-SNAPSHOT-001-
master/ssofile.txt</value>
```

```
        </field>

        <field id="bo.cms.admin.userName" description="it indicates the
username of boe, the boe user should have admin permission">

                <name>boe username</name>

                <value>administrator</value>

        </field>

        <field id="bo.cms.admin.user.pw" description="it indicates the password
of boe admin user">

                <name>boe password</name>

                <value>Openview</value>

        </field>

        <field id="bo.cms.opendoc.port" description="it indicates the tomcat
port of boe">

                <name>Tomcat port</name>

                <value>8080</value>

        </field>

        <field id="install.dwh.HOST_NAME" description="it indicates the host
name of the data ware house">

                <name>HostName</name>

                <value>16.186.78.191</value>

        </field>

        <field id="install.dwh.PORT" description="it indicates the port number
of the data ware house">

                <name>Port</name>

                <value>5433</value>

        </field>
```

```
        <field id="install.dwh.LOGIN_NAME" description="it indicates the login
name to enter the data ware house">

            <name>LoginName</name>

            <value>vertica</value>

        </field>

        <field id="install.dwh.PASSWORD" description="it indicates the password
to enter the data ware house">

            <name>Password</name>

            <value>openview</value>

        </field>

        <field id="install.dwh.SOURCE_STAGING_SCHEMA_NAME" description="it
indicates the source staging schema name of the data ware house">

            <name>SourceStagingSchemaName</name>

            <value>dws</value>

        </field>

        <field id="install.dwh.TARGET_STAGING_SCHEMA_NAME" description="it
indicates the target staging schema name of the data ware house">

            <name>TargetStagingSchemaName</name>

            <value>dwst</value>

        </field>

        <field id="install.dwh.TARGET_SCHEMA_NAME" description="it indicates
the target schema name of the data ware house">

            <name>TargetSchemaName</name>

            <value>dwt</value>

        </field>

        <field id="install.dwh.RESULT_SCHEMA_NAME" description="it indicates
the result schema name of the historical result">
```

```
                    <name>ResultSchemaName</name>

                    <value>dbo</value>

            </field>

            <field id="install.dwh.EXTENSION_SCHEMA_NAME" description="it indicates
    the extension schema name of the external tables imported from xls,xlxs,csv">

                    <name>ExtensionSchemaName</name>

                    <value>ext</value>

            </field>

            <field id="install.dwh.APPLICATION_SCHEMA_NAME" description="it
    indicates the application schema name of the data ware house">

                    <name>ApplicationSchemaName</name>

                    <value>XS</value>

            </field>

            <field id="install.dwh.DATABASE_NAME" description="it indicates the
    vertica database name of the data ware house">

                    <name>VerticalDatabaseName</name>

                    <value>xsvertica</value>

            </field>

            <field id="install.dwh.TIMEZONE" description="it indicates the timezone
    value,please input the international standard TimeZone name">

                    <name>AppTimeZone</name>

                    <value>Asia/Shanghai</value>

            </field>

            <field id="install.dwh.CURRENCY" description="the default currency for
    DWH,please follow the standard of ISO 4217">

                    <name>currency</name>

                    <value>USD</value>
```

```
            </field>

            <field id="install.dwh.period_dim.FIRST_YEAR" description="the first
year for the initial period dimension loading">

                  <name>FirstYear</name>

                  <value>2005</value>

            </field>

            <field id="install.dwh.period_dim.LAST_YEAR" description="the last year
for the initial period dimension loading">

                  <name>LastYear</name>

                  <value>2025</value>

            </field>

            <field id="install.dwh.period_dim.FISCAL_YEAR_START_MONTH"
description="the fiscal month offset for the initial period dimension loading
(1-12)">

                  <name>FiscalYearStartMonth</name>

                  <value>1</value>

            </field>
            <field id="install.dwh.period_dim.FIRST_DAY_OF_WEEK" description="The
first day of week.[SUNDAY,MONDAY,TUESDAY,WEDNESDAY,THURSDAY,FRIDAY,SATURDAY]">
                  <name>FirstDayOfWeek</name>
                  <value>MONDAY</value>
            </field>

      </section>

      <section name="Application" description="this section is responsible for
filling the property values for Application">

            <field id="install.app.webserver.HTTP_PORT" description="the http port
number for the web server">

                  <name>HttpPort</name>

                  <value>2024</value>
```

```
                </field>

                <field id="install.app.webserver.HTTPS_PORT" description="the https
        port number for the web server">

                        <name>HttpsPort</name>

                        <value>8443</value>

                </field>

                <field id="install.app.xs.USER_NAME" description="the user name to
        login to the XS">

                        <name>UserName</name>

                        <value>administrator</value>

                </field>

                <field id="install.app.xs.PASSWORD" description="the password to login
        to the XS">

                        <name>Password</name>

                        <value>Admin111</value>

                </field>

                <field id="install.app.glassfish.PASSWORD" description="the password to
        login to Glassfish admin console">

                        <name>Password</name>

                        <value>Admin111</value>

                </field>

        </section>

    </config>
```

Enter the relevant values in the answer file.

7. Runs **install.sh –s** (for a silent installation) or **install.sh -g** (for a gui installation). If you use the gui installation, go to "Post-Installation" on page 20.

Uninstall BA after Silent Installation

To uninstall BA, use the root user to run the following commands:

1. **su hpba -c "/bin/bash ${YOUR_INSTALLATION_DIRECTORY}/supervisor/bin/hpba-stop.sh -f"**

2. **/bin/bash ${ YOUR_INSTALLATION_DIRECTORY }/supervisor/configure/uninstall_supervisor_conf.sh**

3. **rm /tmp/.s.PGSQL.5432**

4. **rm /tmp/.s.PGSQL.5432.lock**

5. **rm -rf ${YOUR_INSTALLATION_DIRECTORY}**

Install the Supervisor After a Silent Installation

The HP IT Business Analytics Supervisor monitors whether the Business Analytics server processes are up and running.

Note that you must perform this procedure when you have installed BA silently using either **install.sh –s** (for a silent installation) or **install.sh -g** (for a gui installation).

Contact HP Software Support Online web site (**http://www.hp.com/go/hpsoftwaresupport**) if the monitor cannot start the Supervisor process.

Tasks

⬤ Tasks

This section includes:

Enable the Supervisor for the BA System

As a root user, you must enable the Supervisor for the BA system by running the following steps after the installation is completed.

1. **Enable the Supervisor for the BA system:**

    a. Open a Unix console (bash) and input command **su – root**.

    b. Run **%HPBA_HOME%/supervisor/configure/install_supervisor_conf.sh**. It automatically starts BA.

2. **Check BA running status:**

    a. Run **%HPBA_HOME%/supervisor/bin/hpba-status.sh**

```
[admin@xs10v7 bin]$ ./supervisor-status.sh

1. Postgres OK
2. Apache-Httpd OK
3. MQBroker OK
4. Glassfish OK

Status: HPBA is running

[admin@xs10v7 bin]$ ▮
```

Start/Stop BA:

1. Run **%HPBA_HOME%/supervisor/bin/hpba-start.sh**

2. Run **%HPBA_HOME%/supervisor/bin/hpba-stop.sh**

```
[admin@xs10v7 bin]$ ll
total 12
-rwxrwxr-x 1 admin admin  640 Apr  9 10:00 supervisor-start.sh
-rwxrwxr-x 1 admin admin 1068 Apr  8 16:31 supervisor-status.sh
-rwxrwxr-x 1 admin admin  636 Apr  9 10:01 supervisor-stop.sh
[admin@xs10v7 bin]$ ./supervisor-status.sh
```

Log file

If necessary, check the log file for BA start/stop process in the
%HPBA_HOME%/supervisor/log/current directory.

Before you uninstall BA

Before you uninstall BA, use the following steps to stop the automatic running of all the processes:

1. Run **%HPBA_HOME%/supervisor/bin/hpba-stop.sh** using the **hpba** user.

2. Open a Unix console (bash) and input command **su – root**.

3. Run **%HPBA_HOME%/supervisor/configure/uninstall_supervisor_conf.sh**

4. Reboot your operating system.

Linux Port Configuration

Note: When you redirect your ports, you lose the extra protection from the low ports; any user on your machine can bind to port 8080.

If you want to redirect port 80 to port 8080, proceed as follows:

Run as root:

 # iptables -t nat -A PREROUTING -p tcp --dport 80 -j REDIRECT --to-port 8080

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If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Installation Guide (IT Business Analytics 10.00)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to SW-Doc@hp.com.

We appreciate your feedback!