SAP BusinessObjects

SAP BusinessObjects Edge Series 3.1 FixPack Installation and Deployment Guide

- SAP BusinessObjects Edge Series 3.1 FixPack 1.1

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SAP

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Introduction

This guide is intended for the system administrators or IT professionals, who are responsible for the installation, deployment, and maintenance of SAP BusinessObjects Edge Series 3.1 products.

Topics covered in this guide include:

- FixPack installation on Windows
- FixPack installation on Linux
- Silent FixPack installation
- Uninstalling FixPacks

It is recommended that this guide be used in conjunction with the following FixPack documentation:

- The *FixPack Release Notes* document which contains information about important issues, limitations, and workarounds for the FixPack release.

General product documentation, including installation, administration, and reference guides, is available at: *http://help.sap.com/*.

SAP BusinessObjects FixPacks

A separate FixPack is available for each SAP BusinessObjects product, as outlined in the table below.

Note:
The SAP BusinessObjects Edge Series XI 3.1 FixPack contains client tools updates but will only update client tools that were installed as part of a SAP BusinessObjects Edge Series 3.1 installation. If you installed client tools separately, using the SAP BusinessObjects Edge Series 3.1 Client Tools installer, you must use the SAP BusinessObjects Edge Series 3.1 Client Tools FixPack to perform your upgrade.

When you attempt to install the Web Intelligence Rich Client package that you have downloaded through InfoView on a system where SAP BusinessObjects Edge Series 3.1 or SAP BusinessObjects Edge Series 3.1

Client Tools are already installed, the installation fails. If you have either one of these products installed and want to install the Web Intelligence Rich Client, then in Add or Remove Programs, select BusinessObjects Enterprise, and use the Modify feature to add the Web Intelligence Rich Client to your system.

FixPack	Description
SAP BusinessObjects Edge Series 3.1 FixPack	Use this FixPack to update SAP BusinessObjects Edge Series 3.1 installations.

SAP BusinessObjects Edge Series 3.1 Client Tools FixPack	Use this FixPack to update SAP BusinessObjects Edge Series 3.1 Client Tools installations. Client tools include:
	• Desktop Intelligence
	• Web Intelligence Rich Client
	• Data Source Migration Wizard
	• Report Conversion Tool
	• Import Wizard
	• Query as a Web Service
	• Universe Designer
	• Developer Components
	  • BusinessObjects Enterprise Java SDK
	  • BusinessObjects Enterprise Web Services SDK
	• Translation Manager
	Note:
	The SAP BusinessObjects Client Tools FixPack is only available for Windows.

Crystal Reports 2008 Service Pack 1 FixPack	Use this FixPack to update Crystal Reports 2008 Service Pack 1 installations. **Note:** If you are running Crystal Reports 2008, see *FixPack installation limitations and restrictions* on page 18.

FixPack	Description
BusinessObjects Enterprise Live Office XI 3.1 FixPack	Use this FixPack to update Live Office XI 3.1 installations.
BusinessObjects Enterprise XI 3.1 Integration for SAP Solutions FixPack	Use this FixPack to update Integration for SAP solutions.
BusinessObjects Enterprise XI 3.1 Integration for PeopleSoft Enterprise FixPack	Use this FixPack to update Integration for PeopleSoft Enterprise.

Note:
FixPacks for other SAP BusinessObjects products may become available at a later date. Refer to the SAP Support Portal for an up-to-date list of available SAP BusinessObjects FixPacks: *http://service.sap.com/patches*.

Folder Structure

The following table shows the folder structure for all the products for Windows operating system:

Note:
SAP Integration Solutions patch installer is applicable only if you have the SAP Integration Solutions licensed package.

Product Name	Patch	Folder Structure
SAP BusinessObjects Edge 3.1 Standard	Server Patch installer	\setup.exe
	Client installer	\collaterals\ClientInstaller\setup.exe
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\setup.exe
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\setup.exe
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\setup.exe
	Siebel Integration Kit Patch installer	\collaterals\SIEBEL Integration \setup.exe
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\setup.exe
	Live Office installer	\collaterals\Add-Ons\Live Office\setup.exe
	BI Widgets installer	\collaterals\Add-Ons\BI Widgets\setup.exe

Product Name	Patch	Folder Structure
SAP BusinessObjects Edge 3.1 with Data Integrator	Server Patch installer	\setup.exe
	Client installer	\collaterals\ClientInstaller\setup.exe
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\setup.exe
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\setup.exe
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\setup.exe
	Siebel Integration Kit Patch installer	\collaterals\SIEBEL Integration \setup.exe
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\setup.exe
	Live Office installer	\collaterals\Add-Ons\Live Office\setup.exe
	BI Widgets installer	\collaterals\Add-Ons\BI Widgets\setup.exe
	Data Services installer	\DataServices\setup.exe

Product Name	Patch	Folder Structure
SAP BusinessObjects Edge 3.1 with Data Management	Server Patch installer	\setup.exe
	Client installer	\collaterals\ClientInstaller\setup.exe
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\setup.exe
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\setup.exe
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\setup.exe
	Siebel Integration Kit Patch installer	\collaterals\SIEBEL Integration \setup.exe
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\setup.exe
	Live Office installer	\collaterals\Add-Ons\Live Office\setup.exe
	BI Widgets installer	\collaterals\Add-Ons\BI Widgets\setup.exe
	Data Services installer	\DataServices\setup.exe

The following table shows the folder structure for all the products for Linux operating system:

Note:
SAP Integration Solutions patch installer is applicable only if you have the SAP Integration Solutions licensed package.

Product Name	Patch	Folder Structure
SAP BusinessObjects Edge 3.1 Standard	Server Patch installer	\DISK_1\install.sh
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\install.sh
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\install.sh
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\install.sh
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\install.sh
SAP BusinessObjects Edge 3.1 with Data Integrator	Server Patch installer	\DISK_1\install.sh
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\install.sh
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\install.sh
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\install.sh
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\install.sh
	Data Services installer	\DataServices\install.sh

Product Name	Patch	Folder Structure
SAP BusinessObjects Edge 3.1 with Data Management	Server Patch installer	\DISK_1\install.sh
	SAP Integration Solutions installer	\collaterals\SAP Integration Solutions\install.sh
	EBS Integration Kit Patch installer	\collaterals\EBS Integration\install.sh
	JDE Integration Kit Patch installer	\collaterals\JDE Integration\install.sh
	PeopleSoft Integration Kit Patch installer	\collaterals\PeopleSoft Integration\install.sh
	Data Services installer	\DataServices\install.sh

FixPack platform support

The following table shows the platform support for each SAP BusinessObjects FixPack.

FixPack	Windows	Linux
SAP BusinessObjects Edge Series 3.1 FixPack	✓	✓
SAP BusinessObjects Edge Series 3.1 Client Tools FixPack	✓	
Crystal Reports 2008 Service Pack 1 FixPack	✓	
BusinessObjects Enterprise Live Office XI 3.1 FixPack	✓	
BusinessObjects Enterprise XI 3.1 Integration for SAP Solutions FixPack	✓	✓
BusinessObjects Enterprise XI 3.1 Integration for PeopleSoft Enterprise FixPack	✓	✓

FixPack language support

SAP BusinessObjects FixPacks support product language pack updates for the following languages:

- Danish
- Dutch
- English
- French
- German
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese
- Russian
- Simplified Chinese
- Spanish
- Swedish

- Thai
- Traditional Chinese

Note:
The FixPack installation program automatically updates previously installed language packs. You cannot install a new language pack when installing a FixPack.

For more information on installing an additional language pack, see *SAP BusinessObjects Edge Series 3.1 Installation Guide* for your platform.

Planning your FixPack installation

Before applying a FixPack to your SAP BusinessObjects system, the following planning steps are recommended:

- Review the *FixPack Release Notes* for important issues, limitations, and workarounds for the FixPack release.
- Identify all SAP BusinessObjects products and components that require updates.

  For SAP BusinessObjects Edge Series 3.1 release, FixPacks are provided for each SAP BusinessObjects product that has its own installer. Refer to *SAP BusinessObjects FixPacks* on page 5 to identify the FixPacks required for your upgrade.

  It is required that all SAP BusinessObjects products and components be at the same Service Pack and FixPack level.

  If you have SAP BusinessObjects web application components installed, ensure that you have defined an update path for these components. The update path depends on how you initially deployed the web application components. For more information, see *Updating web application components* on page 17.
- Before you begin, review *FixPack installation limitations and restrictions* on page 18.
- Review *FixPack installation scenarios* on page 16. The scenarios may be of assistance in planning your upgrade.
- Before you begin, gather all required documentation. Depending on your upgrade, additional SAP BusinessObjects documentation such as the

SAP BusinessObjects Edge Series 3.1 Installation Guide may be required. See *http://help.sap.com* for additional documentation.

FixPack installation scenarios

This topic describes common FixPack installation scenarios that might be of assistance in planning your FixPack installation.

Scenario 1: Applying a FixPack to an SAP BusinessObjects Edge Series installation

In this scenario you must apply the SAP BusinessObjects Edge Series 3.1 FixPack.

Note:
A typical SAP BusinessObjects Edge Series installation includes client tools. The SAP BusinessObjects Edge Series 3.1 FixPack will update client tools that were installed as part of the SAP BusinessObjects Edge Series 3.1 installation. If you installed client tools using the SAP BusinessObjects Client Tools installer, see Scenario 2.

Scenario 2: Applying a FixPack to a system with an SAP BusinessObjects Edge Series 3.1 Client Tools installation

If you originally installed SAP BusinessObjects client tools using the SAP BusinessObjects Client Tools installer, you must apply the SAP BusinessObjects Client Tools FixPack. If you attempt to use an SAP BusinessObjects Edge Series 3.1 FixPack to upgrade an SAP BusinessObjects Client Tools installation, the installer will fail and you will receive an error message.

Scenario 3: Applying FixPacks to a system with multiple SAP BusinessObjects products

Due to product interdependencies, it is required that all SAP BusinessObjects products be at the same maintenance level. For example, if you want to apply a FixPack to Crystal Reports 2008 Service Pack 1 on a system where you run Crystal Reports, Live Office, and BusinessObjects Enterprise, you must apply FixPacks for all three products so that all products are running at the same FixPack level. In this scenario, you must apply a Crystal Reports

2008 Service Pack 1 FixPack, a Live Office FixPack, and a BusinessObjects Enterprise FixPack.

Scenario 4: Applying FixPack updates to web application components

How you apply FixPack updates to web application components depends on how components were originally deployed. For more information on applying updates to SAP BusinessObjects web application components, see *Updating web application components* on page 17.

Updating web application components

How you apply a FixPack update to SAP BusinessObjects web application components depends on how the components were originally deployed.

One of the following scenarios is applicable:

- If you deployed SAP BusinessObjects web components using the SAP BusinessObjects installation program, the FixPack installation program allows you to update web components automatically when you apply an SAP BusinessObjects FixPack.

  Follow the FixPack installation steps in this guide to update web application components using the SAP BusinessObjects Edge Series 3.1 FixPack installation program.

- If you deployed SAP BusinessObjects web application components manually, updates must be applied manually after installing the SAP BusinessObjects Edge Series 3.1 FixPack.

  For more information on manual deployment instructions for web application components, see *BusinessObjects Enterprise XI 3.1 Web Application Deployment Guide*.

- If you deployed SAP BusinessObjects web application components using the `wdeploy` tool, you can apply updates manually or use the `wdeploy` tool after installing the SAP BusinessObjects Edge Series 3.1 FixPack.

  For more information on working with `wdeploy` tool, see the *BusinessObjects Enterprise XI 3.1 Web Application Deployment Guide*.

If you deploy web components manually or using the `wdeploy` tool, you must first install the SAP BusinessObjects Edge Series 3.1 FixPack to obtain the

updated WAR files. The SAP BusinessObjects WAR files are required for web application deployment.

For more information on `wdeploy` or manual deployment, see *BusinessObjects Enterprise XI 3.1 Web Application Deployment Guide*.

Note:
If your SAP BusinessObjects system includes web components, you must update the web components as part of your FixPack upgrade. It is required that all SAP BusinessObjects components, including web components, be at the same Service Pack and FixPack level.

FixPack installation limitations and restrictions

The following limitations and restrictions apply to FixPack installation:

- FixPacks are patch installations, not complete product installations. An SAP BusinessObjects product must be installed in order to install a FixPack.
- A FixPack only updates files that are already installed.
- FixPacks only contain updates and fixes for existing product features. New features are not included in FixPack releases.
- FixPacks can only be installed in their entirety. You cannot install a subset of FixPack updates.
- It is required that all components in an SAP BusinessObjects system be at the same Service Pack and FixPack level. For example, SAP BusinessObjects server, client, and web components must be at the same Service Pack and FixPack level. If you update one component of your SAP BusinessObjects system, you must also update the other components.
- If you install a new SAP BusinessObjects product or component to your system after FixPack installation, you must apply the FixPack to the system where you installed the new product or component to ensure that all SAP BusinessObjects products and components are at the same FixPack level.
- You cannot install an earlier FixPack on top of a later FixPack. For example, you cannot install FixPack 1 if FixPack 2 is already installed.

Note:
FixPacks are cumulative. For example, FixPack 2 contains all FixPack 1 updates as well as FixPack 2 updates.

- It is only possible to automatically redeploy SAP BusinessObjects web application components using the FixPack installation program if you originally deployed the web application components using the SAP BusinessObjects installation program. For more information, see *Updating web application components* on page 17.
- If you are running Crystal Reports 2008 version 12.0.0.549 or lower, you must upgrade to Crystal Reports 2008 or Crystal Reports Service Pack 1 before applying a FixPack. To determine the version of your Crystal Reports 2008 installation, launch the Crystal Reports Designer and click on **Help** > **About Crystal Reports**.
- You cannot install a new language when applying a FixPack. SAP BusinessObjects FixPacks only update languages that were previously installed with your SAP BusinessObjects installation.

  For information on installing an additional language for SAP BusinessObjects products, see the *SAP BusinessObjects Edge Series 3.1 Installation Guide*.

  For more information, see Fixed Issues list, note: 1331016, and Release Notes, note 1331015 and FixPack Installation and Deployment Guide, note 1279452 available at *http://www.sdn.sap.com*.

Saving web.xml file modifications

When a FixPack is installed, the `web.xml` files for SAP BusinessObjects web applications are overwritten by a default `web.xml` file. If you modified a `web.xml` file for an SAP BusinessObjects web application and do not want to lose your modification, copy the modified `web.xml` to the appropriate web application subdirectory of the SAP BusinessObjects`warfiles` directory before you apply a FixPack. The FixPack installer will read the modified `web.xml` file from this location and maintain your modifications.

For example, if the `web.xml` file in `[INSTALLDIR]\Business Objects\Tomcat55\WebApps\InfoViewApp\WEB-INF` has been modified, copy the modified `web.xml` file to `[INSTALLDIR]\BusinessObjects Enterprise 12.0\warfiles\WebApps\InfoViewApp\WEB-INF\` before you apply a FixPack.

Downloading FixPacks

SAP BusinessObjects FixPacks are available for download from the SAP Support Portal: *http://service.sap.com/patches*.

FixPacks for Crystal Reports are available from the SAP Community Portal: *https://www.sdn.sap.com/irj/boc/downloads*.

Crystal Reports FixPack compatibility

SAP BusinessObjects Edge 3.1 FixPack 1.1 is compatible with Crystal Reports 2008 V1 FixPack 1.5.

FixPack installation on Windows

Installing SAP BusinessObjects Edge Series 3.1 FixPack on Windows

You must have Administrator or Power User privileges on your Windows system to run an SAP BusinessObjects FixPack installation.

In order to free resources on the system on which you are installing this FixPack, it is recommended that you stop all the SAP BusinessObjects Edge Series servers before installing the FixPack. However, the following services and servers must be running for the installation to proceed:

- Server Intelligence Agent (SIA)
- Central Management Server (CMS)
- Input and Output File Repository Servers (FRS)
- CMS database

Before you install this FixPack on Windows 2003, you must ensure that you have installed the Update for Windows Server 2003 (KB925336) patch that is available from *http://support.microsoft.com/kb/925336*.

Note:
If you have modified `web.xml` files for SAP BusinessObjects web applications, see *Saving web.xml file modifications* on page 19 before you apply a FixPack.

To install the FixPack, perform the following steps:

1. Launch the installation by running `setup.exe`

   The "Welcome to BusinessObjects Edge Series 3.1 FixPack 1.1 Installation Wizard" screen appears.
2. Click **Next**.

   The "License Agreement" screen appears.
3. Review the content of the End User License Agreement and click **Next** to proceed if you accept the terms.

The "CMS" screen appears.

4. Enter the values for **Existing CMS Hostname**, **Existing CMS Port**, and **CMS Administrator Password**. Click **Next**.

   If the product you are updating includes web components that were automatically deployed during your original SAP BusinessObjects Edge Series 3.1 installation, the "Automatically Re-Deploy Web Applications?" screen appears.

5. Choose from one of the following options:
   - **Yes, automatically re-deploy the web applications**. This option redeploys SAP BusinessObjects web application components that were previously deployed.

     The "Configure Web Application Server" screen appears. Enter the values specific to the web application server and click **Next**.

     Note:
     For more information on specific configuration settings for each web application server, see *SAP BusinessObjects Edge Series 3.1 Installation Guide for Windows*.

   - **No, I will re-deploy the web applications after installation**. Select this option if you want to deploy web application server components manually or using the `wdeploy` tool.

     For information on manual installation of web components or installation using the `wdeploy` tool, see *BusinessObjects XI 3.1 Web Application Deployment Guide for Windows*.

   Note:
   It is possible to automatically redeploy web application components to the same web application server type you had deployed during your original SAP BusinessObjects Edge Series 3.1 installation.

   The "Start Installation" screen appears.

6. Click **Next** to begin the installation.
7. If you update SAP BusinessObjects Edge Series 3.1, verify that SAP BusinessObjects services are running after the system is restarted. If any services are not running, start them manually using the SAP BusinessObjects Central Management Console (CMC), Central Configuration Manager (CCM), or Windows Services panel.

The CMC or CCM can be accessed under**Start** > **Programs** > **BusinessObjects XI 3.1** > **BusinessObjects Edge Series**.

Note:
To review details of the installation, you can view the contents of the installation log file located in `<INSTALLDIR>\BusinessObjects Enterprise 12.0\Logging`.

FixPack installation on Linux

Installing SAP BusinessObjects Edge Series 3.1 FixPack on Linux

In order to free resources on the system on which you are installing this FixPack, it is recommended that you stop all of the SAP BusinessObjects Edge Series 3.1 servers before installing the FixPack. However, the following services and servers must be running for the installation to proceed:

- Server Intelligence Agent (SIA)
- Central Management Server (CMS)
- Input and Output File Repository Servers (FRS)
- CMS database

Note:
If you have modified `web.xml` files for SAP BusinessObjects web applications, see *Saving web.xml file modifications* on page 19 before you apply a FixPack.

To install the FixPack, perform the following steps:

1. Launch the installation by running the following command from the FixPack installation source file location:

   `install.sh<INSTALLDIR>`

   where *<INSTALLDIR>* is the installation directory of your SAP BusinessObjects product.

   The "License Agreement" screen appears.

2. Review the content of the License agreement and proceed by selecting **Y**.

   The "CMS" screen appears.

3. Enter the values for **Existing CMS Hostname**, **Existing CMS Port**, and **CMS Administrator Password**, and press **Enter**.

   If the product you are updating includes web components that were automatically deployed during your original SAP BusinessObjects Edge

Series 3.1 installation, the "Automatically Re-Deploy Web Applications" screen appears.

4. Choose from one of the following options:

   - **Yes, automatically re-deploy the web applications**. This option redeploys SAP BusinessObjects web application components that were previously deployed.

     The "Configure Web Application Server" screen appears. Enter the values specific to the web application server and press **Enter**.

     Note:
     For more information on specific configuration settings for each web application server, refer to *SAP BusinessObjects Edge Series 3.1 Installation Guide for Linux*.

   - **No, I will re-deploy the web applications after installation**. Select this option if you want to deploy web application server components manually or using the `wdeploy` tool.

     For information on manual installation of web components or installation using the `wdeploy` tool, see *BusinessObjects XI 3.1 Web Application Deployment Guide for UNIX*.

   Note:
   It is only possible to automatically redeploy web components to the same web application server type you had previously deployed during your original SAP BusinessObjects Edge Series 3.1 installation.

   The "Confirm Installation" screen appears.

5. Verify the installation directory and press **Enter** to start the installation.

   The progress indicator displays the status of the installation.

6. Press **Enter** to complete the installation.

   Note:
   The FixPack installer creates a backup of modified files at `<INSTALLDIR>/setup/backup`. It is recommended that you do not modify or remove these files.

   To review details of the installation, you can view the contents of the installation log file at the following location: `<INSTALLDIR>/setup/logs/`.

Silent FixPack installation

SAP BusinessObjects FixPacks can be installed silently using a response file.

Silent installation is particularly useful when you need to quickly perform multiple installations or automate installations.

Related Topics

- *Running a silent installation using a response file on Windows* on page 27
- *Running a silent installation using a response file on Linux* on page 33

Silent installation on Windows

Running a silent installation using a response file on Windows

To run a silent installation using a response file you must first create a `.ini` file using the SAP BusinessObjects setup program. Once you have created the `.ini` file, you can run a silent installation by running the `setup.exe` command and specifying the path to the `.ini` file.

To run a silent installation, perform the following steps:

1. Create an installation `.ini` file (a response file).
   a. Open a command line console.
   b. From the SAP BusinessObjects Edge Series 3.1 FixPack directory, run the `setup.exe` file with the write option (-w) by using the following command:

      ```
      setup.exe -w <filepath><filename>
      ```

      where *`filename`* is the name of the response file and *`filepath`* is the location where you want the file to be created.

Note:
If a file path is not specified, the file is stored in the same directory from where `setup.exe` is run. The installation program must have write permissions on this directory.

c. Press **Enter** to launch the installation setup program.
d. Follow the on-screen instructions to enter your preferred installation settings till you reach the **Start installation** screen of the setup program.
e. Click **Cancel** to abort the installation setup.

   All parameters from the installation setup program, both user defined and default, are recorded in the `.ini` file, which is saved to the directory that you specified.

2. You can now run a response file installation using the `.ini` file by executing `setup.exe` command with the read option specified (-r) as follows:

```
setup.exe -r <filepath><filename.ini>
```

where *`filepath`* is the path to the response file you created, and *`filename.ini`* is the name of the response file.

Note:
You can specify the -l option when running a response file installation to create an installation log file in the specified file path. If a file path is not specified, the log file is created in the directory from where `setup.exe` is run.

```
-l <filepath><filename>
```

Silent installation parameters (Windows)

The following table lists parameters that are used for response file silent installation on Windows. It is recommended that you create response files using the SAP BusinessObjects Edge Series 3.1 FixPack setup program (`setup.exe`) as described in *Running a silent installation using a response file on Windows* on page 27.

Parameter	Description
CLIENT-LANGUAGE	Specifies the language used by the installer: • DA=Danish • DE=German • EN=English • ES=Spanish • FR=French • IT=Italian • JA=Japanese • KO=Korean • NB=Norwegian • NL=Dutch • PL=Polish • PT=Portuguese • RU=Russian • SV=Swedish • TH=Thai • ZH_CN=Simplified Chinese • ZH_TW=Traditional Chinese **Note:** If this parameter is not specified, you will be prompted to select a language when the installation setup begins. CLIENTLANGUAGE="EN"
/qn	Specifies not to prompt during the installation. **Note:** You must also enter the CLIENTLANGUAGE parameter as part of your silent install string or the language selection screen will appear at the beginning of your installation.
/qn+	

Parameter	Description
	Specifies to prompt when the installation is complete. **Note:** You must also enter the CLIENTLANGUAGE parameter as part of your silent install string or the language selection screen will appear at the beginning of your installation.
AS_ADMIN_IS_SECURE	Specifies that an administrator credential must be passed to access the web application server. This setting is valid only for WebSphere 6 and Oracle. `AS_ADMIN_IS_SECURE="true"`
AS_ADMIN_PASSWORD	Password used by the administrator account to access the web application server. `AS_ADMIN_PASSWORD="pass"`
AS_ADMIN_PORT	Administration port of the application server. Mandatory for NetWeaver, Oracle Application Server, and WebLogic. • For WebSphere, the SOAP port. If not set, the default SOAP port will be used. • For Oracle Application Server (oas1013): wdeploy expects the request port of the <notification-server> element in the [`opmn.xml`] file.
AS_ADMIN_USERNAME	Specifies the account name used by the administrator to access the web application server. `AS_ADMIN_USERNAME="admin"`

Parameter	Description
AS_DIR	Specifies the installation directory for the web application server. `AS_DIR="<INSTALLDIR>/Tomcat55"`
AS_IN-STANCE	Specifies the name of the current web application server instance. `AS_INSTANCE="localhost"`
AS_SERV-ER	Web application type used in installation. The following options are available: • Use tomcat55 for Tomcat • Use oas1013 for Oracle Application Server 10g R3 • Use weblogic9 for WebLogic 9 • Use weblogic10 for WebLogic 10 • Use websphere6 for WebSphere 6.1 `AS_SERVER="tomcat55"`
AS_SERVI-CENAME	Specifies the name of the Windows service if the application server will be installed as a service on Windows. `AS_SERVICE_NAME="BOE120Tomcat"`

Parameter	Description
AS_VIRTUAL_HOST	Specifies virtual host to which the application must be bound. `AS_VIRTUAL_HOST="hostname"`
ENABLELOGFILE	Specifies if a log file will be created for the installation. `ENABLELOGFILE="1"`
INSTALLDIR	Specifies the directory where you want to install SAP BusinessObjects Edge Series FixPack. `INSTALLDIR="C:\Program Files\Business Objects\"`

The following parameters are automatically generated parameters that should not be modified in the `.ini` file.

Parameter name
ADDLOCAL
ADDSOURCE
ADVERTISE
REMOVE
SKIP_DEPLOYMENT
WDEPLOY_LATER

Silent installation on Linux

Running a silent installation using a response file on Linux

To run a silent installation using a response file you must first create a response file. The following steps describe how to create a response file using the SAP BusinessObjects Edge Series 3.1 FixPack installation. Once you have created the response file, you can run a silent installation by running the `./install.sh` command and specifying the path to the response file.

1. Create a response file.
   a. From the FixPack installation source file location, run the `.install.sh` command with the write option `WRITERESPONSEPATH` as follows:

      ```
      ./install.sh <INSTALLDIR> WRITERESPONSEPATH=<response_file_path>
      ```

      where *<response_file_path>* is the path and file name for the response file you are creating.

   b. Press **Enter** to launch the installation setup program.
   c. Follow the on-screen instructions to enter your preferred installation settings until you reach the **Start installation** dialog of the setup program.

The settings are recorded in the response file.

d. Press [Ctrl -X] to abort the installation setup.

The parameters from the installation setup program, both user defined and default, are recorded in the response file, which is saved to the directory that you specified.

2. You can now run a response file installation by issuing `./install.sh` command with the read option `READRESPONSEPATH` as follows:

```
./install.sh <INSTALLDIR> READRESPONSEPATH=<response_file_path>
```

3. Press **Enter** to launch the installation.

Response file installation parameters (Linux)

The following table lists parameters that are commonly used for response file silent installation on Linux. It is recommended that you create a response file using `./install.sh` and the `-WRITERESPONSEPATH` parameter as described in *Running a silent installation using a response file on Linux* on page 33.

Parameter	Description
CDDIR	Path to the DISK_1 directory on the distribution CD or directory location for your FixPack installation files. This path defaults to the CD directory. `CDDIR="<CD>/BusinessObjects/DISK_1"`
BOBJELANG	The language setting used for the installation program. • chs=Simplified Chinese • cht=Traditional Chinese • da=Danish • de=German • en=English • es=Spanish • fr=French • it=Italian • jp=Japanese • ko=Korean • nb=Norwegian • nl=Dutch • pl=Polish • pt=Portuguese • ru=Russian • sv=Swedish • th=Thai `BOBJELANG="en"`
INSTALLMODE	

Parameter	Description
	Specifies a comma-delimited list for the SAP BusinessObjects Edge Series installer operating modes. This parameter supports the following options: • interactive, install • silent, install `INSTALLMODE=silent, install`
REDEPLOYWEBAPPS	Specifies whether the installation program automatically deploys the web applications. `REDEPLOYWEBAPPS=true`
AS_DIR	Specifies the path of the application server directory if the server is being installed. The path is automatically set using the installation directory. `AS_DIR="<INSTALLDIR>/bobje/tomcat/"`
AS_SERVER	Specifies the name of the application server being installed. • Use tomcat55 for Tomcat • Use oas1013 for Oracle Application Server 10g R3 • Use weblogic9 for WebLogic 9 • Use weblogic10 for WebLogic 10 • Use websphere6 for WebSphere 6.1 `AS_SERVER="tomcat55"`
AS_INSTANCE	Specifies the name of the current web application server instance. `AS_INSTANCE="localhost"`

Parameter	Description
AS_VIRTUAL_HOST	Specifies virtual host to which the application must be bound. `AS_VIRTUAL_HOST="hostname"`
AS_ADMIN_PORT	Administration port of the application server. Mandatory for NetWeaver, Oracle Application Server, and WebLogic. • For WebSphere, the SOAP port. If not set, the default SOAP port will be used. • For Oracle Application Server (oas1013): wdeploy expects the request port of the <notification-server> element in the [`opmn.xml`] file.
AS_ADMIN_USERNAME	Specifies the account name used by the administrator to access the web application server. `AS_ADMIN_USERNAME="admin"`
AS_ADMIN_PASSWORD	Password used by the administrator account to access the web application server. `AS_ADMIN_PASSWORD="pass"`

Parameter	Description
AS_ADMIN_IS_SECURE	Specifies if administrator credential must be passed to access the web application server. This setting is valid only for WebSphere 6 and Oracle. `AS_ADMIN_IS_SECURE="true"`
ENABLEMP	Specifies which specific products to manually enable. Each product must be separated by a comma. For a custom installation this setting is used to enable those products typically not installed in a new installation. `ENABLEMP=BusinessObjects.WebTier Components,`
DISABLEMP	Specifies which specific products to manually disable. Each product must be separated by a comma. For a custom installation this setting is used to disable those products typically not installed in a new installation. `DISABLEMP=BusinessObjects.WebTierComponents,`

The following parameters are automatically generated parameters that should not be modified in the response file:

Parameter name
AUTODEPLOY_WAR_FILES
BOBJDIR
CDDIR
CMSNAMESERVER
CMSPORTNUMBER
CMSPASSWORD
FUNCTION

Parameter name
INSTALLLEVEL
LANGPACKS_TO_INSTALL
LICENSEDIR
LOCALNAMESERVER
MACHINENAME
PRODUCTID_NAME
PRODUCTID_VER
ProductVersion
VERSION_IN_RANGE

Uninstalling FixPacks

Uninstalling SAP BusinessObjects Edge Series FixPacks on Windows

FixPacks can only be uninstalled one at a time, in the reverse order of installation. For example, if you installed FixPack 1 and then FixPack 2, you must uninstall FixPack 2 before you can uninstall FixPack 1.

To uninstall a FixPack, perform the following steps:

1. Select **Start** > **Settings** > **Control Panel**.
2. Double-click **Add or Remove Programs**.
3. Highlight the SAP BusinessObjects entry in the list of programs.
4. Click the **Show updates** check box to display installed FixPacks.
5. Select the FixPack and click **Remove**.
6. The "Add or Remove Programs" dialog box prompts you to confirm that you want to remove the FixPack from your computer. Click **Yes**.
7. Wait while the appropriate files are removed and the necessary configuration is carried out. Click **Finish**.

After the FixPack is uninstalled you are returned to the "Add or Remove Programs" dialog.

For information on uninstalling SAP BusinessObjects web application components, see *Uninstalling web application components* on page 42.

Uninstalling SAP BusinessObjects Edge Series 3.1 FixPacks on Linux

FixPacks can only be uninstalled one at a time, in the reverse order of installation. For example, if you installed FixPack 1 and then FixPack 2, you must uninstall FixPack 2 before you can uninstall FixPack 1.

To uninstall a FixPack, perform the following steps:

1. Execute the following command from the root directory of your SAP BusinessObjects Edge Series 3.1 installation:

   ```
   ./AddOrRemovePrograms.sh
   ```

   The "Add or Remove Programs" dialog is displayed.
2. Select the SAP BusinessObjects Edge Series 3.1 FixPack you want to uninstall and press **Enter**.
3. Select **Uninstall Product** and press **Enter**.

   A confirmation screen appears.
4. Select **Yes** and press **Enter**.

   The uninstall process begins.

For information on uninstalling SAP BusinessObjects web application components, see *Uninstalling web application components* on page 42.

Uninstalling web application components

The method for uninstalling SAP BusinessObjects web application components depends on which types of web application components are installed and the method used to install them:

- If you installed Tomcat 5.5 on the same system as SAP BusinessObjects Edge Series 3.1 using the SAP BusinessObjects installation program, web component updates are uninstalled when you uninstall the SAP BusinessObjects Edge Series 3.1 FixPack.
- If you manually deployed SAP BusinessObjects web application components, you can remove them manually or use the `wdeploy` tool.
- If you deployed web application components using the `wdeploy` tool, you can remove the components manually or use the `wdeploy` tool.

  For `wdeploy` or manual uninstall instructions, see *BusinessObjects XI 3.1 Web Application Deployment Guide* for your platform.

Note:

- Uninstalling web components manually or using the `wdeploy` tool removes components entirely. If you want to use an earlier version of the web application components, you must redeploy the earlier version manually or using the `wdeploy` tool.

- All components in an SAP BusinessObjects system are required to be at the same Service Pack and FixPack level. If you change the level of one SAP BusinessObjects system component, you must also change the other components in your SAP BusinessObjects system to the same level.