

IBM Integration Bus ODBC Database Extender

IE02 Category 3 SupportPac

Version 2.0

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Preface

The IBM Integration Bus ODBC Database Extender Category 3 SupportPac (IE02) extends the ability of the IBM Integration Bus Product to allow specific databases to be supported on the UNIX and Linux platforms.

Description

The IE02 SupportPac can be used in conjunction with IBM Integration Bus v9.0 to extend the range of user databases supported by the IBM Integration Bus product.

This SupportPac does not describe or document the user databases supported. The user databases that are supported when using this SupportPac are listed within the documentation for IBM Integration Bus.

This package contains the driver manager libraries for unixODBC (available from www.unixodbc.org which is an implementation of the Open DataBase Connectivity interface for Unix® systems. These libraries are licensed under the GNU Lesser General Public License (LGPL) Open Source Initiative (OSI).

Chapter 1.

Installation Instructions

Prerequisites

- IBM Integration Bus v9.0.

Pre-installation

- If you do not already have the IE02 SupportPac installer executable, follow the instructions below:
 - Download the `ie02` tar file for the required platform to a temporary directory. This is located under the IE02 page from the SupportPac's site (<http://www-01.ibm.com/support/docview.wss?rs=171&uid=swg27007198>).
 - Extract the tar file by issuing the following command:

```
tar -xvf <filename>
```

Where `<filename>` is the name of the IE02 SupportPac tar file.

- The tar file contains a copy of this PDF and also an installer to allow you to install the SupportPac. The installer executable is called `ie02-install.bin`. Although the installer has the same name on all platforms, the installer is platform specific.

Installation

The IE02 SupportPac install file `ie02-install.bin` must be executed under the same userid (typically root) that was used when installing IBM Integration Bus.

The installer can be run in three modes:

- Graphical
- Console
- Silent

Graphical Installation

From within the directory where the SupportPac was downloaded, execute the following command:

```
./ie02-install.bin
```

The installer should launch within a separate window and guide you through the installation process. If the installer can not launch in GUI / graphical mode, it will launch in console mode.

Console Installation

From within the directory where the SupportPac was downloaded, execute the following command:

```
./ie02-install.bin -i console
```

The installer should launch and guide you through the installation process within the same console that the command was issued under.

Silent Installation

When specifying a silent install a response file is required to define the required responses to the options provided by the installer. An example response file is shown below:

```
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom
# Code.

#Has the license been accepted
#-----
LICENSE_ACCEPTED=TRUE

#Choose Install Folder
#-----
USER_INSTALL_DIR=/opt/ibm/IE02/2.0.1
```

Note that the above example specifies that the license has been accepted. By using this example script you are accepting the terms of the license agreement.

The response file must be named `installer.properties` and needs to be located in the same directory as the IE02 installer.

To execute the installer in silent mode, run the following command from within the directory where the SupportPac was downloaded:

```
./ie02-install.bin -i silent
```

After the installation has completed, please review the install log. This is located under the installation path specified during the install. The file name of the log is: "WebSphere_Message_Broker_ODBC_Database_Extender_InstallLog.log".

If installing over a previous IE02 installation (within the same installation directory), the previous installation will be silently uninstalled before the new version is installed.

Note that this version of the IE02 SupportPac may only be used with IBM Integration Bus v9.0. If you are using IE02 v1.0 with WebSphere Message Broker v7.0, you must ensure that IE02 v1.0 continues to reside on your system.

Uninstallation

The IE02 SupportPac uninstaller must be executed under the same user id that was originally used to install the SupportPac (typically root).

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To uninstall the IE02 SupportPac, change directory to "Uninstall_IE02" under the install path for IE02 (\$IE02_PATH) and execute the following command:

```
./Uninstall_IE02
```

This will launch the uninstaller in the same mode that it was previously installed (GUI, Console or Silent).

The uninstaller will not delete the `/var/mqsi/common/profiles/IE02v200.sh` file. This file should be removed manually after uninstallation of the SupportPac. However, it will not cause any problems if it is not removed.

Chapter 2.

Configuration and setup of the IBM Integration Bus ODBC Database Extender SupportPac.

Configuration.

For most scenarios, no additional configuration is required to configure the IE02 SupportPac, as all of the necessary configuration is performed at installation time. You only need to perform additional configuration tasks if you have modified the value of the `$MQSI_WORKPATH` environment variable in your IBM Integration Bus runtime environment.

Please refer to the IBM Integration Bus Information Center for additional information regarding configuration of your chosen database. This configuration is different for different databases.

To allow IBM Integration Bus to take advantage of the additional database support, it needs to know where the SupportPac has been installed. The location of the SupportPac should be set as the value of the environment variable `IE02_PATH`. This environment variable is automatically set within the IBM Integration Bus profile during the installation of the SupportPac by the creation of the script called `IE02v200.sh` which is placed within the directory `/var/mqsi/common/profiles`.

An example file is shown below:

```
#!/bin/sh
# This file was created as part of the IBM Integration Bus ODBC
# Database Extender SupportPac (IE02 v2.0.1) install
if [ ! -z "$MQSI_FAD" ]; then
  if [ "$MQSI_FAD" -eq "7" ]; then
    IE02_PATH=/opt/ibm/IE02/2.0.1
    export IE02_PATH
    if [ ! -z "$LD_LIBRARY_PATH" ]; then
      LD_LIBRARY_PATH=$IE02_PATH/lib:$LD_LIBRARY_PATH
      export LD_LIBRARY_PATH
    fi
    if [ ! -z "$LIBPATH" ]; then
      LIBPATH=$IE02_PATH/lib:$LIBPATH
      export LIBPATH
    fi
    if [ -z "$ODBCSYSINI" ]; then
      ODBCSYSINI=$IE02_PATH/etc
      export ODBCSYSINI
    fi
  fi
fi
```

If you alter the location of your `$MQSI_WORKPATH`, and therefore alter the location where IBM Integration Bus dynamically executes additional scripts whilst loading its profile, you will need to either copy the existing file or create a new file containing the required contents within your new `{ $MQSI_WORKPATH }/common/profiles` directory.

You must **not** put the "lib" directory of the SupportPac into your library path (`LD_LIBRARY_PATH` or equivalent). If you do so, the SupportPac will not be correctly loaded by IBM Integration Bus and unpredictable results may occur.

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Please refer to the IBM Integration Bus Information Center for additional information regarding configuration of your chosen database.