

Agile  
Enterprise Integration Platform

ORACLE

# Oracle® Agile Engineering Data Management

Upgrade Manual for Enterprise Integration Platform  
2.2.2

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# Preface

The Oracle documentation set includes Adobe® Acrobat™ PDF files. The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) (<http://www.oracle.com/technology/documentation/agile.html>) contains the latest versions of the Oracle Agile EDM PDF files. You can view or download these manuals from the Web site, or you can ask your Agile administrator if there is an Oracle Documentation folder available on your network from which you can access the documentation (PDF) files.

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**Note** Before calling Agile Support about a problem with an Oracle Agile EDM manual, please have the full part number, which is located on the title page.

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## Readme

Any last-minute information about Oracle Agile EDM can be found in the Release Notes file on the [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) (<http://www.oracle.com/technology/documentation/agile.html>)

## Agile Training Aids

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Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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# Overview

This document should guide through an upgrade from previous versions of the Enterprise Integration Platform.

Each chapter describes the upgrade from one major version to the next one, e.g. from 2.1 to 2.2.

For changes in minor versions, please refer to the respective Release Notes documents.



## Chapter 2

# Upgrade Tool

The Upgrade tool allows upgrading previous versions of the `eai_ini.xml` file to the current EIP version.

The tool can be started with the script `upgrade.cmd` (Windows) and `upgrade.sh` (UNIX) in the *bin* directory.

The following startup options are available (you will get this by adding the `--help` option to the startup script):

```
Usage: Enterprise Integration Platform Upgrade [-c <conf-dir> ] [-h] -i
<in> -o <out> [-p <props-file> ] [-x <xsl> ]
```

Options:

-c		--conf-dir	Specifies the configuration directory
-h		--help	Shows this help
-i		--in	Input file (REQUIRED)
-o		--out	Output file (REQUIRED)
-p		--props-file	Specifies the properties file
-x		--xsl	XSL file (default: upgrade.xsl)

This is an example on how the tools might be called on Windows:

```
bin\upgrade.cmd -i C:\eigner\eip-old\conf\eai_ini.xml -o C:\eigner\eip-
new\conf\eai_ini.xml
```

The Upgrade tool may provide the following output:

```
[<date>] FORCE (Upgrade) - Input file (2.1.1) : C:\eigner\eip-
old\conf\eai_ini.xml
[<date>] FORCE (Upgrade) - Transformation file: C:\eigner\eip-
new\conf\upgrade.xsl
[<date>] FORCE (Upgrade) - Output file (2.1.2): C:\eigner\eip-
new\conf\eai_ini.xml
[<date>] FORCE (Upgrade) - Transformation done in 0 h 00 min 00 s 297
ms
```



## EIP 2.1 to 2.2

### General information

This document should help you with the installation of the Enterprise Integration Platform Version 2.2 on top of the older version 2.1. It should replace neither the EIP 2.2 installation guide nor the EIP 2.2 Release Notes.

Please keep always in mind, that additional customizing of the Integration Platform (e.g. XSL Mapping) and Agile EDM (e.g. additional Query Forms) will not be upgraded automatically.

### Installation

Due to the fact that quite some libraries and configuration files changed between the versions 2.1 and 2.2 we recommend installing EIP 2.2 in a directory separate from EIP 2.1. Additional mapping files and configuration should be incorporated into the EIP 2.2 installation one by one.

### Configuration and Customizing

#### Configuration Settings

The structure of the configuration file `eai_ini.xml` has changed. Therefore, please copy your 2.1 configuration settings carefully one by one to the 2.2 `eai_ini.xml` file.

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**Note** The usage of the Upgrade tool is highly recommended although some manual work might be required.

Following portions of the `eai_ini.xml` file have changed:

The webserver configuration in the controller area is now deactivated by default. If a network connector is used it must be activated and the port needs to be configured properly to not conflict with another process already running on the same port (e.g. a Tomcat installation).

For an Oracle non-RAC databases, it is advised to not use the OCI driver (which is enabled by default) but the JDBC thin driver. This behavior could be altered by the following line in the `eip.conf` file:

```
wrapper.java.additional.9=-Deip.oracle.thin=false
```

When set to "false", the OCI driver is used that is required for RAC, otherwise the JDBC thin driver is used.

## **Password Encryption**

The password encryption had been changed due to be compliant with the Oracle Security Guidelines. It will now use the same method as Agile EDM uses (e.g. for the encryption of the database password). Therefore all passwords in the eai\_ini.xml file needs to be re-generated.

Please note that the new passwords will be significant longer and are now prefixed with "RSA-PUBLIC-BASE64:". And there will be different passwords generated from the same input to make it harder to guess or recognize previously used passwords. It is therefore advised to generate separate encrypted passwords for the same input.

The command line tool "encrypt" does not allow specifying the password to be encrypted on the command line anymore. It is recommended to paste the plain password into the system's clipboard before running the tool. The encrypted password will be stored into the clipboard again. Or you may choose to use the UI tool named "crypt".

## **Database Creation**

The following Oracle PL/SQL script needs to be run against the EIP's database:

```
$EP_ROOT/axalant/db_utils/oracle/sql/ddl_eip_plsql_cln_bpm_que.sql
```

The easiest way to create the database objects is to execute the script with the SQL Plus tool from the same machine where the Oracle instant client for EDM has been installed.

This ensures that a new stored procedure will be created that will speed up the database cleanup tasks configured in eai\_ini.xml.