

Installing and Customizing EntireX Process Extractor

This chapter covers the following topics:

- Delivery Scope
 - Supported Platforms
 - Prerequisites for using EntireX Process Extractor
 - Installation Steps
 - Customizing your EntireX Process Extractor Environment
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Delivery Scope

The installation medium of the EntireX Process Extractor contains the following:

File/Folder	Description
3rdparty	Source of open source components used for this product.
Doc	Documentation as PDF documents.
UNIX	For UNIX platforms.
UNIX\EntireXProcessExtractor.tar	The runtime part, which is unpacked to a folder for the runtime installation.
Windows\	For Windows platforms.
Windows\install\	Folder with two installable units: <ul style="list-style-type: none"> ● Design-time Part com.softwareag.entirex.processextractor.ide-82.zip This is installed into a Software AG Designer with EntireX Workbench 8.2 SP2. ● Runtime Part EntireXProcessExtractor.zip This is extracted to the folder for the runtime installation.
Windows\lib\	Folder with Ant JARs and related JARs.
Windows\scripts\	Folder with Ant script for installation, used by install.bat.
Windows\install.bat	Installation script for Windows.
Windows\install.txt	Description of the installation process for Windows.
zOS	For z/OS (USS) platforms.
zOS\EntireXProcessExtractor.tar	The runtime part, which is unpacked to a folder for the runtime installation.
3rdpartylicenses.pdf	Document containing the license texts for all third party components.
install.txt	How to install the product on the different platforms.
license.txt	The Software AG license text.
readme.txt	Brief description of the product.

The runtime part of the EntireX Process Extractor is provided as file *EntireXProcessExtractor.zip* in folder *Windows\install*, which contains the following files:

File	Description
entirex.processextractor.jar	The main JAR file for the EntireX Process Extractor.
com.softwareag.entirex.processextractor.analyzer.jar	The analysis engine for the EntireX Process Extractor.
entirex.jar	Supporting JAR file (EntireX Java Runtime).
commons-lang-2.6.jar	Supporting JAR file.
log4j-1.2.16.jar	Supporting JAR file.
xstream-1.2.2.jar	Supporting JAR file.
Readme.txt	Brief description and change log.
entirex.processextractor.bat	Start script for convenience (Windows).
entirex.processextractor.sh	Start script for convenience (UNIX and z/OS USS).
entirex.processextractor_shutdown.bat	Shutdown script for convenience (Windows).
entirex.processextractor_shutdown.sh	Shutdown script for convenience (UNIX and z/OS USS).
entirex.processextractor.properties	Java properties with default configuration (ASCII encoding).
docs/	Folder with documentation in PDF files.
Examples/	Folder with examples (<code>example.idl</code> and a compatible <code>example.exar</code>).

On UNIX or z/OS the file is *EntireXProcessExtractor.tar* with the same contents.

Supported Platforms

The design-time and runtime components of EntireX Process Extractor are available on the following platforms:

Platform	Version	Runtime	Design Time
z/OS	z/OS 1.12	x	
	z/OS 1.13	x	
UNIX	Solaris 10 (UltraSPARC)	x	
	Red Hat Enterprise Linux 5 x86 (32-bit)	x	
	Red Hat Enterprise Linux 5 x86 (64-bit)	x	
	Red Hat Enterprise Linux 6 x86 (64-bit)	x	
	SUSE Linux Enterprise Server 11 (32-bit)	x	
	SUSE Linux Enterprise Server 11 (64-bit)	x	
Windows	Windows 7 x86 (32-bit) Professional Editions	x	x
	Windows 7 x86 (64-bit) Professional Editions	x	x
	Windows 2008 Standard and Enterprise Edition x86 (32-bit)	x	x
	Windows 2008 Standard and Enterprise Edition x86 (64-bit)	x	x

Prerequisites for using EntireX Process Extractor

The following must be installed to use EntireX Process Extractor:

Design Time

- Software AG Designer and EntireX Workbench 8.2 SP2 or above.

Runtime

- Any supported version of EntireX. EntireX does not need to be installed on the same machine as EntireX Process Extractor.
- Java 6 recommended (minimum Java 5).
- ARIS PPM version 5.0.1 SR3 or above. This is required for evaluating the process data extracted with EntireX Process Extractor.

Installation Steps

The EntireX Process Extractor is delivered with the folder structure described above. It can be installed under the following platforms:

- z/OS
- UNIX
- Windows

See User's Guide for more information on how to create a working environment, extract business process data, and analyze this data, using ARIS PPM.

z/OS

▶ To install EntireX Process Extractor under z/OS USS (runtime only)

- Unpack the file *EntireXProcessExtractor.tar* to a folder of your choice, using the following command:

```
pax -rvf EntireXProcessExtractor.tar -x tar -o uname=<your user>,gname=<your group>
```

UNIX

▶ To install EntireX Process Extractor under UNIX (runtime only)

- Unpack the file *EntireXProcessExtractor.tar* to a folder of your choice.

Windows

▶ To install EntireX Process Extractor under Windows

1. Ensure that the Software AG Designer is closed.
2. Double-click on the `install.bat` file.
3. Install the *design-time* component of EntireX Process Extractor. Enter the path where the Software AG Designer is installed and press **Enter**. Example:

```
<webMethods suite folder>\eclipse\v36
```

To skip this step, leave blank and press **Enter**. The design-time component will not be installed.

4. Install the *runtime* component of EntireX Process Extractor. Enter the absolute path where you would like to install the runtime component and press **Enter**. Example:

```
<webMethods suite folder>
```

In this folder, a folder *EntireXProcessExtractor* is created for all files of the runtime component.

Note:

Do not use a relative path. This would be relative to the scripts folder of the installation medium.

To skip this step, leave blank and press **Enter**. The runtime component will not be installed.

The desired components of EntireX Process Extractor are now installed.

Customizing your EntireX Process Extractor Environment

The script files that start the EntireX Process Extractor allow command-line options as described in the table below. Alternatively, you can use system properties or a property file. The command-line option has the highest priority; the system property has second priority, and the entries of a property file have third priority.

This section covers the following topics:

- The Properties File
- Properties and Command-line Options

The Properties File

The default name of the properties file is `entirex.processextractor.properties`. It can be changed by assigning an arbitrary file name with a path to a Java system property with the name `entirex.processextractor.properties`. The file is searched for in the directory of the start script.

A sample properties file is contained in the installation folder.

Under UNIX or Windows you can use command-line arguments or Java system properties to specify the property file.

To specify the property file using command-line arguments

- Enter command:

```
java -classpath <entirex.processextractor.jar with path>  
com.softwareag.entirex.processextractor.proxy.PPM -propertyfile  
entirex.processextractor.properties
```

To specify the property file using Java system properties

- Enter command:

```
java -Dentirex.processextractor.propertyfile=  
entirex.processextractor.properties -classpath  
<entirex.processextractor.jar with path>  
com.softwareag.entirex.processextractor.proxy.PPM
```

Properties and Command-line Options

Property	Command-line Option	Default Value	Explanation
	-help	(not applicable)	Display all options with a short description.
entirex.processextractor.broker	-broker	localhost:1971	The ID of the EntireX broker to connect to. Only TCP/IP broker IDs are supported.
entirex.processextractor.filesize	-filesize	10m (ten megabytes)	The number of bytes written to a PPM file before a new file is created. Valid values: <number><character>, where the number is a positive number and the character means: b bytes, k kilobytes, m megabytes, g gigabytes. The minimum size is 1k.
entirex.processextractor.logfile	-logfile	processextractor.log	Path and name of the logging file. Environment variables in the name are resolved only if used as command-line option. To write the log to <code>stdout</code> , set the file name to an empty string.
entirex.processextractor.loglevel	-loglevel	ERROR	Logging level. Allowed values are "OFF", "FATAL", "ERROR", "WARNING", "INFO", "DEBUG", "TRACE". OFF turns logging off, and TRACE produces the most verbose logging.
entirex.processextractor.port	-port	0 (invalid)	The port number on the local machine where the Extractor listens for calls. Default is 0, which is an invalid port. Required parameter.

Property	Command-line Option	Default Value	Explanation
entirex.processextractor.propertyfile	-propertyfile	entirex.processextractor.properties	The name of the property file.
entirex.processextractor.servers	-servers	false	Process all RPC calls from RPC servers and ignore calls from RPC clients. Default is to ignore calls from RPC servers and process RPC client calls.
entirex.processextractor.source	-source	current working directory	The name of the folder that contains the RPC Business Activities used to extract the events. All files with extension .exar are used. Other files are ignored. An empty folder is not allowed.
entirex.processextractor.target	-target	current working directory	Target directory to which the PPM files are written.