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European Commission

e-TrustEx Web - Open Source build procedure

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# OVERVIEW

## PURPOSE

This document will describe how to build e-TrustEx Web from an archive file.

## INTENDED READERSHIP

This document is specifically intended for developers.

## CONTEXT

Build and deploy the e-TrustEx Web application starting from the open source distribution archive.

This build is intended to work with Wildfly 10.0.0.Final application server and MySQL 5.6.

# BUILD E-TRUSTEX WEB APPLICATION

## PREREQUISITES

To build e-TrustEx Web, we need the following tools:

- JDK 1.8

- Maven 3.3.9

- The latest version of the e-TrustEx Web source distribution archive provided by the European Commission

For the application server, we will have to choose one of the following:

- WildFly 10.1.0.Final

## BUILDING E-TRUSTEX WEB

**Step 1** – Configure custom properties in "wildfly" profile section in parent pom.xml:

<etrustex.environment>wildfly</etrustex.environment>

<context.root>e-trustex</context.root>

<project.java.debug>true</project.java.debug>

<application.base.domain>http://127.0.0.1:8080</application.base.domain>

<database.schema>etxweb</database.schema>

<datasource.name>java:/jdbc/EtxWebDb</datasource.name>

<jms.connection.factory>java:/JmsXA/</jms.connection.factory>

<jms.etxWebMailQueue>java:/queue/EtxWebMailQueue</jms.etxWebMailQueue>

<jms.etxWebRetrieveMetadataJMSQueue>java:/queue/EtxWebRetrieveMetadataJMSQueue</jms.etxWebRetrieveMetadataJMSQueue>

<jms.etxWebRetrieveBundleJMSQueue>java:/queue/EtxWebRetrieveBundleJMSQueue</jms.etxWebRetrieveBundleJMSQueue>

<jms.etxWebSendStatusJMSQueue>java:/queue/EtxWebSendStatusJMSQueue</jms.etxWebSendStatusJMSQueue>

<jms.etxWebErrorQueue>java:/queue/EtxWebErrorQueue</jms.etxWebErrorQueue>

<server.name>jboss</server.name>

**Step 2** – maven build:

mvn clean install-P wildfly

The generated EAR can be found in:

**etrustex-assemblers/etrustex-assembler-webapp/target/etx-wacc-modules-ear-wildfly.ear**

# RUNNING E-TRUSTEX WEB APPLICATION

## Set up MySQL DB

Assuming that MySQL 5.6.23 DB is already installed with an appropriate schema setup.

The tables with configuration and sample data can be created by running the following script from the project sources:

docs/open\_source\_version/3.1\_dump/mysql\_import.sql

### eTrustEx NODE endpoints configuration

eTrustEx NODE endpoints are configured in ETX\_WEB\_CONFIG table. You can run the following sql statements to update them replacing <HOST> and <PORT> with the right values:

LOCK TABLES `etx\_web\_config` WRITE;

UPDATE `etx\_web\_config` SET `CFG\_PROP\_VALUE`='<HOST>:<PORT>/etrustex/services/DocumentWrapper-2.0' WHERE `CFG\_ID`='2';

UPDATE `etx\_web\_config` SET `CFG\_PROP\_VALUE`='<HOST>:<PORT>/etrustex/services/DocumentBundle-2.0' WHERE `CFG\_ID`='3';

UPDATE `etx\_web\_config` SET `CFG\_PROP\_VALUE`='<HOST>:<PORT>/etrustex/services/RetrieveInterchangeAgreementsRequest-2.0' WHERE `CFG\_ID`='4';

UPDATE `etx\_web\_config` SET `CFG\_PROP\_VALUE`='<HOST>:<PORT>/etrustex/services/RetrieveRequest-2.0' WHERE `CFG\_ID`='8';

UPDATE `etx\_web\_config` SET `CFG\_PROP\_VALUE`='<HOST>:<PORT>/etrustex/services/ApplicationResponse-2.0' WHERE `CFG\_ID`='10';

UNLOCK TABLES;

## Set up Wildfly

Follow the steps from the document:

docs/open\_source\_version/e-TrustEx - Wildfly installation and configuration.docx