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2.1 Installation

You first need to extract the demo distribution zip (eds-demo-1.0.zip) to a location of your choice. Pre-requisite: Make sure PostgreSQL 8.4 and Ant are installed. Once extracted, you will have the following folder structure:

- \eds-demo
  - \client – JDBC client app for running queries against the deployed VDB
  - \config – Config and properties files
  - \data – Data files for file datasource
  - \db – DDL scripts for PostgreSQL, the deployable VDB and PostgreSQL JDBC driver
  - \installs - Initially empty, but will contain the SOA-P platform download
  - \projects – The EDSDemo project sources (for Eclipse)
  - \target – Will be created by running init.sh. Contains the fully configured SOA-P runtime server, with EDS installed
  - init.sh – Script to install and configure the run time server environment
  - Quick Start Guide.pdf – This document

Next, download SOA Platform and EDS from the Red Hat Customer Portal (https://access.redhat.com/).

Download SOA Platform:

1. Under *JBoss Enterprise Platforms*, select the *SOA Platform* product.
2. Select version *5.2.0 GA* in the *Version* field.
3. Download *SOA Platform 5.2.0*

Download EDS Platform:

1. Under *JBoss Enterprise Platforms*, select the *Data Services Platform* product.
2. Select version *5.2.0 GA* in the *Version* field.
3. Download *Data Services 5.2.0*

Now copy both files, `soa-p-5.2.0.GA.zip` and `eds-p-5.2.0.GA`, to the eps-demo's *installs* folder.

Now create a database in PostgreSQL and run the script *db/customer-schema-postres.sql* to create the database required by the Accounts Teiid Model. The file data required by the file datasource (for MarketData Teiid Model) is deployed by the shell script below. Please note that you need to edit the datasource configuration *config/eds-postgresql-ds.xml* as per the credentials of the database user.

Lastly, from the eps-demo folder, run the *init.sh* script:

```
$ ./init.sh
```

When the script completes you will have a new folder named *jboss-soa-p-5*, in the eds-demo's *target* folder. The *jboss-soa-p-5* folder is a ready to run SOA Platform 5.2 server runtime with the following modifications made:

- The *admin* account enabled (password is *admin*) in the teiid-security-roles.properties, teiid-security-users.properties, soa-users.properties file in *eds-demo/target/jboss-soa-p-5/jboss-as/server/default/conf/props*. The following Teiid users have been created: *admin, user, anon*. The passwords are same as the user names.
- Deployed Portfolio.vdb virtual database along with corresponding datasources to *eps-demo/target/jboss-soa-p-5/jboss-as/server/default/deploy*
- Copied the PostgreSQL JDBC driver to *eps-demo/target/jboss-soa-p-5/jboss-as/server/default/lib*
- Installed and configured EDS 5.2.

2.2 JBoss Developer Studio Configuration

In this section, you will configure JBoss Developer Studio. This would be required to inspect the sources of the demo provided in the *projects* directory (*EDSDemoProject.zip*).

Launch JBoss Developer Studio

1. Either select or switch to a new workspace and import the *EDSDemoProject.zip* archive.
2. Select Import>General>Existing projects into workspace>Select archive file

2.3 Start the JBoss Enterprise SOA Platform

In this section, you will start the server from *target/jboss-soa-p-5/jbossas/bin* directory. We would be

using the *default* profile. So just navigate to *target/jboss-soa-p-5/jbossas/bin* directory and run *./run.sh*

The virtual database *Portfolio.vdb* has already been deployed by the installation script *init.sh*

3 Running the Demo

The *client/EDSDemoClient.jar* application has been provided to be able to execute SQL queries on the mulitsource data federation created in the previous steps. Before running the application, please review the *client/eds-demo.properties* file, and modify as suitable for your environment.

This is an executable jar, so to run it, simply run the following from a terminal:

java -jar EDSDemoClient.jar "<SQL>"

where <SQL> is a valid SQL. Some samples relevant to the underlying database have been provided in the file *client/sample-queries.txt.*