

FreeBSD Administration - Support #951

Install OFBiz on FreeBSD

11/18/2020 12:58 AM - Daniel Curtis

Status:	Closed	Start date:	11/18/2020
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Accounting Server	Estimated time:	0.00 hour
Target version:	FreeBSD 12	Spent time:	0.00 hour

Description

This is a guide on installing a self-hosted OFBiz instance on FreeBSD 12.2-RELEASE.

Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

- Add ofbiz user:

```
pw add user -n ofbiz -m -s /bin/sh -c "OFBiz"
```

- Install the dependencies:

```
pkg install openjdk8 git gradle
```

Configure PostgreSQL

- Install PostgreSQL:

```
pkg install postgresql-jdbc postgresql96-server postgresql96-client postgresql96-contrib
```

- Initialize, start, and enable postgresql at boot:

```
sysrc postgresql_enable="YES"  
service postgresql initdb  
service postgresql start
```

- Log in to postgresql user account and connect to database:

```
su - postgres  
psql -d template1
```

- Create a user:

```
CREATE USER ofbiz WITH PASSWORD 'SuperSecretPassword' CREATEDB;
```

- Create the databases & grant all privileges on database

```
CREATE DATABASE ofbizdb OWNER ofbiz encoding='UTF8';
CREATE DATABASE ofbizolapdb OWNER ofbiz encoding='UTF8';
CREATE DATABASE ofbiztenantdb OWNER ofbiz encoding='UTF8';
```

- Quit the database session

```
\q
exit
```

Install OFBiz

- Download ofbiz:

```
su - ofbiz
git clone -b release18.12 https://github.com/apache/ofbiz-framework
cd ofbiz-framework
```

- Edit the **entityengine.xml** file:

```
vi framework/entity/config/entityengine.xml
```

- And modify the group-map section:

```
<delegator name="default" entity-model-reader="main" entity-group-reader="main"
entity-eca-reader="main" distributed-cache-clear-enabled="false">
  <group-map group-name="org.apache.ofbiz" datasource-name="localpostgres"/>
  <group-map group-name="org.apache.ofbiz.olap" datasource-name="localpostgresolap"/>
  <group-map group-name="org.apache.ofbiz.tenant" datasource-name="localpostgrestenant"
/>
</delegator>
<delegator name="default-no-eca" entity-model-reader="main" entity-group-reader="main"
entity-eca-reader="main" entity-eca-enabled="false" distributed-cache-clear-enabled="false"
>
  <group-map group-name="org.apache.ofbiz" datasource-name="localpostgres"/>
  <group-map group-name="org.apache.ofbiz.olap" datasource-name="localpostgresolap"/>
  <group-map group-name="org.apache.ofbiz.tenant" datasource-name="localpostgrestenant"
/>
</delegator>
<delegator name="test" entity-model-reader="main" entity-group-reader="main"
entity-eca-reader="main">
  <group-map group-name="org.apache.ofbiz" datasource-name="localpostgres"/>
  <group-map group-name="org.apache.ofbiz.olap" datasource-name="localpostgresolap"/>
  <group-map group-name="org.apache.ofbiz.tenant" datasource-name="localpostgrestenant"
/>
</delegator>
```

- Also modify the datasource section:

```
<datasource name="localpostgres"
  helper-class="org.apache.ofbiz.entity.datasource.GenericHelperDAO"
  schema-name="public"
  field-type-name="postgres"
  check-on-start="true"
  add-missing-on-start="true"
  use-fk-initially-deferred="false"
  alias-view-columns="false"
  join-style="ansi"
  use-binary-type-for-blob="true"
```

```

        use-order-by-nulls="true"
        result-fetch-size="50">
<read-data reader-name="tenant"/>
<read-data reader-name="seed"/>
<read-data reader-name="seed-initial"/>
<read-data reader-name="demo"/>
<read-data reader-name="ext"/>
<read-data reader-name="ext-test"/>
<read-data reader-name="ext-demo"/>
<inline-jdbc
    jdbc-driver="org.postgresql.Driver"
    jdbc-uri="jdbc:postgresql://127.0.0.1:5433/ofbizdb"
    jdbc-username="ofbiz"
    jdbc-password="SuperSecretPassword"
    isolation-level="ReadCommitted"
    pool-minsize="2"
    pool-maxsize="250"
    time-between-eviction-runs-millis="600000"/>
</datasource>
<datasource name="localpostgresolap"
    helper-class="org.apache.ofbiz.entity.datasource.GenericHelperDAO"
    schema-name="public"
    field-type-name="postgres"
    check-on-start="true"
    add-missing-on-start="true"
    use-fk-initially-deferred="false"
    alias-view-columns="false"
    join-style="ansi"
    result-fetch-size="50"
    use-binary-type-for-blob="true"
    use-order-by-nulls="true">
<read-data reader-name="tenant"/>
<read-data reader-name="seed"/>
<read-data reader-name="seed-initial"/>
<read-data reader-name="demo"/>
<read-data reader-name="ext"/>
<read-data reader-name="ext-test"/>
<read-data reader-name="ext-demo"/>
<inline-jdbc
    jdbc-driver="org.postgresql.Driver"
    jdbc-uri="jdbc:postgresql://127.0.0.1:5433/ofbizolapdb"
    jdbc-username="ofbiz"
    jdbc-password="SuperSecretPassword"
    isolation-level="ReadCommitted"
    pool-minsize="2"
    pool-maxsize="250"
    time-between-eviction-runs-millis="600000"/>
</datasource>
<datasource name="localpostgrestenant"
    helper-class="org.apache.ofbiz.entity.datasource.GenericHelperDAO"
    schema-name="public"
    field-type-name="postgres"
    check-on-start="true"
    add-missing-on-start="true"
    use-fk-initially-deferred="false"
    alias-view-columns="false"
    join-style="ansi"
    result-fetch-size="50"
    use-binary-type-for-blob="true"
    use-order-by-nulls="true">
<read-data reader-name="tenant"/>
<read-data reader-name="seed"/>
<read-data reader-name="seed-initial"/>
<read-data reader-name="demo"/>
<read-data reader-name="ext"/>
<read-data reader-name="ext-test"/>
<read-data reader-name="ext-demo"/>

```

```
<inline-jdbc
  jdbc-driver="org.postgresql.Driver"
  jdbc-uri="jdbc:postgresql://127.0.0.1:5433/ofbiztenantdb"
  jdbc-username="ofbiz"
  jdbc-password="SuperSecretPassword"
  isolation-level="ReadCommitted"
  pool-minsize="2"
  pool-maxsize="250"
  time-between-eviction-runs-millis="600000"/>
</datasource>
```

- Edit the **build.gradle** file:

```
vi build.gradle
```

- And insert the postgres jdbc to the end of the compile dependencies:

```
dependencies {
  // ofbiz compile libs
  ...
  compile 'org.postgresql:postgresql:42.2.18'
}
```

- Compile ofbiz:

```
./gradlew cleanAll loadAll
```

Resources

- <https://github.com/apache/ofbiz-framework>
- <https://github.com/apache/ofbiz-plugins>
- <https://cwiki.apache.org/confluence/display/OFBIZ/Setup+OFBiz+version+16.11.02+with+PostgreSQL+on+Windows>

History

#1 - 11/18/2020 10:45 PM - Daniel Curtis

- Description updated

#2 - 11/23/2020 06:06 PM - Daniel Curtis

- Description updated

#3 - 11/24/2020 03:34 PM - Daniel Curtis

- Description updated

- Status changed from New to In Progress

- % Done changed from 0 to 50

#4 - 12/12/2020 01:01 AM - Daniel Curtis

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

#5 - 02/18/2022 08:07 PM - Daniel Curtis

- Status changed from Resolved to Closed