

User Guide: Install Strabon Endpoint

Tomcat

1. Install **Tomcat 6.x.x** or greater.
2. Add a new user in the `tomcat-users.xml` file. This file is usually located in the folder `$TOMCAT_HOME/conf`. Note that this user should be a member of the `manager` group. For example, add the following line inside a `tomcat-users` element to the file `tomcat-users.conf` and restart tomcat:

```
<user username="endpoint" password="endpoint" roles="manager"/>
```

Initial install

1. Create a directory where you want to place the sources of the Strabon on your machine, and `cd` into that directory, e.g.:`

```
mkdir Strabon  
cd Strabon
```

2. Get a clone of Strabon from the Strabon repository:

```
hg clone http://hg.strabon.di.uoa.gr/Strabon/
```

3. The source code of the endpoint is located at the folder `Strabon` of the source code tree that you just cloned, so `cd` into that directory, e.g. :`

```
cd Strabon
```

4. Edit the `endpoint/WebContent/WEB-INF/connection.properties` file and define the PostgreSQL host, the database name and the credentials that will be used by for storing stRDF metadata.

5. Compile the endpoint by calling:

```
mvn clean package
```

The result of this action is the creation of a `.war` file inside the `target` directory.

6. Deploy the endpoint by placing the `.war` file that was created inside the `webapps` folder of your Tomcat installation, e.g.:

```
sudo cp endpoint/target/strabon-endpoint-*.war /var/lib/tomcat6/webapps/strabonendpoint.war
```

7. Start your Tomcat server, e.g.:

```
sudo /etc/init.d/tomcat start
```

8. Open a browser and go to `localhost:<port>/manager/html` where `<port>` is the port number you specified during Tomcat's installation (the default port is 8080).

Updating to newer version

1. Go (``cd``) to directory **Strabon**

```
cd ~/Strabon
```

2. Update the source code with the following command:

```
hg pull -u
```

3. If you have modified the `*.properties` files, copy them inside the source dir.

```
sudo cp /var/lib/tomcat6/webapps/strabonendpoint/WEB-INF/*.properties Strabon/endpoint/WebContent/WEB-INF/
```

4. Build the source code with the following command:

```
( cd Strabon && mvn clean package )
```

5. Undeploy the previous version of the endpoint by calling the following url:

```
http://localhost:8080/manager/undeploy?path=/strabonendpoint
```

6. Deploy the new version of the endpoint by placing the `.war` file that was created inside the `webapps` folder of your Tomcat installation, e.g.:

```
sudo cp components/Strabon/endpoint/target/strabon-endpoint-*.war /var/lib/tomcat6/webapps/strabonendpoint.war
```

7. Open a browser and go

to `http://localhost:<port>/manager/html` where `<port>` is the port number you specified during Tomcat's installation (the default port is 8080).