

# OrientDBRealm

According to the [OrientDB's website](#):

OrientDB is a new Open Source NoSQL DBMS born with the best features of all the others. It's written in Java and it's amazing fast: can store up to 150,000 records per second on common hardware. Even if it's Document based database the relationships are managed as in Graph Databases with direct connections among records. You can traverse entire or part of trees and graphs of records in few milliseconds. Supports schema-less, schema-full and schema-mixed modes. Has a strong security profiling system based on user and roles and support the SQL between the query languages. Thank to the SQL layer it's straightforward to use it for people skilled in Relational world.

## Download

Both Realms are hosted on Gitorious, [here](#).

To clone the Tomcat 6 Realm, run

```
git clone git://gitorious.org/tomcat-orientdb-realm/tomcat6-orientdb-realm.git
```

To clone the Tomcat 7 Realm, run

```
git clone git://gitorious.org/tomcat-orientdb-realm/tomcat7-orientdb-realm.git
```

## Compilation

Compilation can be made with Maven. Run:

```
mvn clean package
```

**Note for the Tomcat 6 Realm:** If `org.apache.tomcat:tomcat-catalina:jar:6.0.32` and `org.apache.tomcat:tomcat-juli:jar:6.0.32` are missing, go into the *dependencies* folder and run:

```
mvn install:install-file -DgroupId=org.apache.tomcat -DartifactId=tomcat-catalina -Dversion=6.0.32 -Dpackaging=jar -Dfile=catalina.jar
```

and

```
mvn install:install-file -DgroupId=org.apache.tomcat -DartifactId=tomcat-juli -Dversion=6.0.32 -Dpackaging=jar -Dfile=tomcat-juli.jar
```

and then re-run

```
mvn clean package
```

## Installation

Extract all the jars archived in the lib folder of the newly created `target/tomcat[6|7]orientdb-realm<version>-bin.zip` into your Tomcat's lib directory.

## Configuration

The realm's attributes are:

- **orientHost:** The host where the OrientDB is running
- **orientHostPort:** The port on the host where the OrientDB is running
- **orientDbName:** The database containing the users' class (table)
- **orientUsername:** The username to use to connect to the database
- **orientPassword:** The password to use to connect to the database

- **userClass**: The OrientDB class that contains the users
- **passwordProperty**: The property of the users' class that contains the passwords
- **rolesProperty**: The property of the users' class that contains the roles

Example:

```
<Realm className="ca.inocybe.tomcat.OrientDBRealm"  
  orientHost="myorienthost.com"  
  orientHostPort="2424"  
  orientDbName="database"  
  orientUsername="admin"  
  orientPassword="password"  
  userClass="users"  
  passwordProperty="password"  
  rolesProperty="groups" />
```

## Bugs, questions and feedback

Contact [jonathan.tellier@gmail.com](mailto:jonathan.tellier@gmail.com)