

# MobilisServer Setup

---

To run the MobilisServer project three other projects are required: **MobilisCommon**, **MobilisXMPP** and **AndroidCEFX\_Common**. These parts of the code were separated from the MobilisServer project for reusability reasons.

After you checked out the current version of MobilisServer from the developers SVN you have to make some changes to set it up. These changes are described in this document.

- **src/META-INF/MobilisSettings.xml**

This is the central configuration file of MobilisServer. Adjust the settings to your needs. The file **MobilisSettings.xsd** is the XML schema definition of **MobilisSettings.xml**.

- The first entries in the file are the agents (also called Broker Services) which are running in the MobilisServer. Adjust the XMPP settings of these agents
  - **host / port:** IP address and port of your XMPP server (e.g. Openfire)
  - **service:** host name of your xmpp server
  - **username / password:** Account data for the MobilisServer on your XMPP server (default: mobilis / mobilis)
  - **resource:** name of the XMPP resource of the corresponding BrokerService
- Find the <services> element and adjust the settings of the individual services.
  - **PubSubServer:** should be "pubsub.xmpp\_servers\_hostname"
  - **ChatRoomServer:** should be "conference.xmpp\_servers\_hostname"
  - **ContentBroker:** should be "mobilis\_user\_name@xmpp\_servers\_hostname/Content"
  - **StorageFolder:** is the local folder where the ContentService of MobilisMedia saves its hosted media files. (default: "store\ContentService")

- **MySQL server & src/META-INF/hibernate.xml**

Some mobilis projects need a MySQL database server to persistently save their objects. So you have to....

- ... install and run a **MySQL server** if you do not already have one. We can recommend you XAMPP (<http://www.apachefriends.org/en/xampp.html>) which is an easy to install Apache distribution containing MySQL, PHP and Perl. It is free and available for many operating systems. You should create an own database for MobilisServer. (default name: "mobilis\_server")
- ... configure the file **hibernate.xml**. Hibernate is the used framework to make the Java objects persistent in the relational database.
  - **connection.url:** URL to the MySQL database in the following form:  
"jdbc:mysql://IP\_MySQL\_server:Port\_MySQL\_server/database\_name"  
default: "jdbc:mysql://127.0.0.1:3306/mobilis\_server"
  - **connection.username & connection.password:** Account data for the MobilisServer on your MySQL server. (default: mobilis / mobilis)
  - If the xml element "<property name='hbm2ddl.auto'>create</property>" is added to the hibernate.xml, the database schema is dropped and recreated on every startup of MobilisServer. So all stored data will be destroyed. You have to enable that line at least on the first run.