

Database Support

by Rana Bhattacharyya

1. Overview

DbUserManager is a JDBC based user manager. You would use this module if you have your username, password and other informations in a JDBC accessible database.

This user manager has been tested using Oracle 8i and mySQL server. All the user informations are stored in FTP_USER table. The SQL file is *ftp-db.sql*.

Name	Datatype
LOGIN_ID	VARCHAR(64), Primary key
PASSWORD	VARCHAR(64)
HOME_DIR	VARCHAR(128)
ENABLED	VARCHAR(8)
WRITE_PERM	VARCHAR(8)
IDLE_TIME	INT
UPLOAD_RATE	INT
DOWNLOAD_RATE	INT

Table 1: FTP_USER

2. Configurations

2.1. ftp-assembly.xml

The first step is to make sure that we are using the right user manager implementation. The fully qualified name of the LDAP based user manager is *org.apache.ftpserver.DbUserManager*. So we have to use this class name in *ftp-assembly.xml* file. The user-manager block should be:

```
<!-- user manager block -->  
<block class="org.apache.ftpserver.usermanager.DbUserManager" name="user-manager"/>
```

2.2. ftp-config.xml

The next step is to use appropriate configuration parameters. So we have to modify ftp-config.xml file. The sample block is for MySQL database.

```
<!-- Database based user manager -->  
<driver>org.gjt.mm.mysql.Driver</driver>  
<url>jdbc:mysql://localhost/ftpDB</url>  
<user>user</user>  
<password>password</password>
```

Configuration parameters :

- **driver** : Fully qualified name of the JDBC driver to be used.
- **url** : JDBC database URL.
- **user** : Database user.
- **password** : Database password.

Besides these, you need to copy the driver jar file in the lib directory.