

Kwok Information Server

Installation Guide (Linux Platform)

1. System Requirements

- Windows or Linux
- For PostgreSQL, Tomcat, and Java requirements, see <http://www.kwoksys.com/pages/system-requirements.php>

Note: Tomcat and Java distributions are included in kwok-information-server-2.9.5-linux.tar.gz.

2. New Installation

1. Preparation

1. Unzip kwok-information-server-2.9.5-linux.tar.gz to a local directory, e.g. /usr/kwok.
2. You should have /usr/kwok/server, /usr/kwok/database, etc.
3. Grant read and write permission to /usr/kwok/server/tomcat directory, and grant execute permission on /usr/kwok/server/java/bin/java and /usr/kwok/server/tomcat/bin/*.sh files to the user starting Tomcat.
4. Make sure you have tomcat/temp, logs, and works directories (these empty directories may not be extracted properly).

2. PostgreSQL Database Server Setup

1. The installation of PostgreSQL depends on the Linux distribution you're using. See [http://www.kwoksys.com/wiki/index.php?title=Install PostgreSQL on Linux](http://www.kwoksys.com/wiki/index.php?title=Install_PostgreSQL_on_Linux) for details.
2. Keep the database username and password in a safe place, you'll need that during a later step and future upgrade

3. Database Repository Setup

CD to the kwok\database directory that has kwok-schemasetup-2.9.5.jar file, run kwok-schemasetup-2.9.5.jar file to create a database repository.

For example:

```
<path to java>\bin\java -jar kwok-schemasetup-2.9.5.jar install database=<database name>  
username=<database user> password=<database password>
```

Other options:

host: Postgres server's IP address (default is localhost)

port: Postgres server's port number (default is 5432)

```

C:\Users\kwok>cd C:\Kwok\Server\database

C:\Kwok\Server\database>C:\Kwok\Server\jdk1.8.0_25\bin\java -jar kwok-schemasetup-2.9.0.jar install database=kwokdb username=postgres password=postgres
Loading database driver org.postgresql.Driver ... done
Jul 30, 2015 8:24:18 AM com.kwoksys.schema.SchemaProperties <clinit>
INFO: Loading schemasetup properties...
Preparing to install version 2.9.0 ...
Connecting to PostgreSQL Server ... Postgres version 9.1.2 <supports 8.2.x and above> ... done
Creating database kwokdb ... done
Closing connection ...

Connecting to PostgreSQL Server .... database: kwokdb, ... Postgres version 9.1.2 <supports 8.2.x and above> ... done
Creating language 'plpgsql' ... Language 'plpgsql' already exists ... done
Creating schema base ... done
Upgrading schema to version 2.9.0 ... done
Creating views and stored procedures ... done
Closing connection ...

Schema setup completed successfully
C:\Kwok\Server\database>

```

4. Tomcat Setup

1. Specify the username and password that can connect to PostgreSQL in
 /usr/kwok/server/tomcat/webapps/kwok/WEB-INF/classes/properties/Application.properties
 (restart Tomcat every time after making changes to Application.properties file).
2. To start the server, run /usr/kwok/server/tomcat_startup.sh (edit that file with your own location paths)
3. To verify the server is running, open a web browser and enter http://localhost:8080/kwok in the address bar. You should see Kwok Server welcome page.
4. Login with default username “admin” and password “admin”. Click “Login”. Please change the password immediately after login.
5. If you receive any error from the application, you can check tomcat/logs for error messages.
6. After logging in, please check Administration Settings page, file repository paths section to configure where file attachments will be uploaded to.

Important: If you’re running more than one instance of Kwok Information Server, please make sure they are “not” using the same file repository paths, as that could result in wrong files being deleted.

3. Upgrade

1. Unzip kwok-information-server-2.9.5-upgrade.zip
2. Backup PostgreSQL database (kwokdb)
3. Stop Tomcat
4. Upgrade kwokdb database by running:
 <path to java>\bin\java -jar kwok-schemasetup-2.9.5.jar upgrade database=<database name>
 username=<database user> password=<database password>
 Note: If there is any error message, please do not continue with the upgrade process and contact us to investigate the issue.

5. Delete tomcat/webapps/kwok, tomcat/work/Catalina/localhost directories
6. Copy tomcat/webapps/kwok directory from installation package to tomcat/webapps directory
7. Update the username and password used to connect to PostgreSQL in
/tomcat/webapps/kwok/WEB-INF/classes/properties/Application.properties
8. Start Tomcat

4. Data and File Backup

- To back up data stored in PostgreSQL database, please check PostgreSQL's website
- To back up file attachments created by users, see Application's Administration Settings, file repository paths for where files of different types stored (be sure to keep the files when doing upgrade)

5. Credits

This product includes graphics and software developed by:

- The Apache Software Foundation (<http://apache.org>)
- Oracle, Inc (<http://www.oracle.com>)
- PostgreSQL Global Development Group (<http://www.postgresql.org>)
- The OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org>)
- Mark James (<http://www.famfamfam.com/lab/icons/silk/>)
- Kevin Potts (<http://graphicpush.com>)