

# Kwok Information Server

## Installation Guide (Windows Platform)

### 1. System Requirements

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

Note: PostgreSQL, Tomcat, and Java distributions are included in kwok-information-server-2.9.5-windows.zip.

### 2. New Installation

#### 2.1. Preparation

1. If you have an older version of Tomcat installed, please remove it first before installing Tomcat 7 service.
2. Unzip kwok-information-server-2.9.5-windows.zip
3. Copy the whole unzipped directory to your local drive, e.g. C:\Kwok directory
4. You should have C:\Kwok\server, C:\Kwok\database, etc.

#### 2.2. PostgreSQL Database Server Setup

1. Double-click kwok\postgresql\postgresql-9.5.0-1-windows-x64.exe to start installation process
2. Most default configurations should work fine, and keep the database username and password in a safe place, you'll need that in a later step and future upgrade
3. At the end of the installation, click "Finish"

#### 2.3. 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>

```

## 2.4. Tomcat Setup

1. Specify the username and password that can connect to PostgreSQL in `\Kwok\Server\tomcat\webapps\kwok\WEB-INF\classes\properties\Application.properties` (restart Tomcat to apply changes made to `Application.properties` file).
2. To start the server, double-click `tomcat_startup.cmd`. To install and start Tomcat server as a service, double-click `tomcat_service_install.cmd`.
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 the `Tomcat/logs` directory 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” sharing 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 Kwok\server\tomcat\webapps\kwok, Kwok\server\tomcat\work\Catalina\localhost\kwok 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 \Kwok\server\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' 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>)