

# BiblioteQ Administrator Guide

## Introduction

This document details the process for installing, configuring, and uninstalling BiblioteQ.

## 1. Database Configuration

### 1.1 PostgreSQL Database Configuration

BiblioteQ supports versions 8.x and 9.x of PostgreSQL. Please follow the PostgreSQL-provided documentation for installing PostgreSQL. After installing the required PostgreSQL packages, please perform the following operations:

- a) Create the xbook\_db database via `createdb xbook_db -E UTF8` or via the PostgreSQL-recommended protocol. Please note that xbook\_db is only a suggestion.
- b) Execute `createlang plpgsql -d xbook_db` or the PostgreSQL-recommended protocol for adding a new programming language to the database.
- c) Replace all instances of the default administrator xbook\_admin in `postgresql_create_schema.sql` file.
- d) Log into your PostgreSQL database and load the `postgresql_create_schema.sql` file via `\i postgresql_create_schema.sql`.

### 1.2 Database Updates

It is sometimes necessary to update a database schema after a software update. To do so, please execute the SQL statements that are located in the `postgresql_update_schema.sql`. You may also be required to execute additional steps via BiblioteQ. Please read and follow the version-specific instructions listed at <http://biblioteq.sourceforge.net/news.html>.

## 2. BiblioteQ Installation

### 2.1 OS X and Windows Installation

OS X and Windows users are urged to download the appropriate installers. After an installer has been downloaded, double-click on the appropriate icon and follow the on-screen instructions.

### 2.2 Unix Installation

Installing BiblioteQ on platforms that lack installers involves several operations. First, please resolve the following software prerequisites:

- a) Qt 4.7.4, or higher, must be installed. Please download the software from <http://qt.nokia.com/downloads>. You have the option of building Qt with the PostgreSQL driver or creating the driver separately as a plugin. You may compile Qt with the PostgreSQL driver via `./configure -v -qt-sql-psql -I /usr/local/include/postgresql -L /usr/local/lib/postgresql`. The include and library directories may be different depending upon your environment.
- b) YAZ 4.2.x, or higher, must be installed. Please download the software from <http://www.indexdata.com/yaz>.

- c) If you intend to use PostgreSQL, the PostgreSQL database package must be installed. Please download the software from <http://www.postgresql.org/download>.
- d) If you intend to use SQLite, the SQLite 3.5.6 package must be installed. Please download the software from <http://www.sqlite.org/download.html>.
- e) After the required dependencies have been fulfilled and your environment is properly configured for Qt, build BiblioteQ via `qmake -o Makefile biblioteq.pro && make`.
- f) Finally, execute `sudo make install`.

### **3. Configuring BiblioteQ**

Configuring the runtime environment of BiblioteQ is relatively easy. Bundled with the software is the `biblioteq.conf` file. After BiblioteQ has been installed, please review the `biblioteq.conf` file. If necessary, please modify it to suit your preferences.

### **4. Uninstalling BiblioteQ**

#### **4.1 OS X**

To uninstall BiblioteQ, simply remove the `/Applications/BiblioteQ.d` directory. You may also wish to remove users' configuration files (`/Users/user/Library/Preferences/net.sourceforge.biblioteq.BiblioteQ.plist`).

#### **4.2 Unix**

To uninstall BiblioteQ, remove the `/usr/local/biblioteq` directory and the `/usr/local/bin/biblioteq.sh` script. You may also wish to remove users' configuration directories (`/home/user/.config/BiblioteQ`).

#### **4.3 Windows**

Simply run the `BiblioteQ-Uninstaller` executable that is located in your installation directory. You may also wish to remove the registry entry for BiblioteQ. Launch `regedit` and remove `My Computer\HKEY_CURRENT_USER\Software\BiblioteQ`.

### **5. PostgreSQL Database Removal**

The script `postgresql_destroy_schema.sql` may be used to remove the original database `xbook_db` and other objects created by the `postgresql_create_schema.sql` script.

#### **5.1 OS X and Unix**

The `dropdb` command may be used to remove a PostgreSQL database. The `dropuser` command may be used to remove PostgreSQL users. If available, `pgAdmin` may also be used.

#### **5.2 Windows**

Please use `pgAdmin`.

### **6. SQLite Database Removal**

Delete the SQLite database file.