BiblioteQ Administrator Guide

Introduction

This document details the process for installing and configuring BiblioteQ.

1. Database Configuration

1.1 PostgreSQL Database Configuration

BiblioteQ supports version 7.4.16 of PostgreSQL. Higher versions are also supported. 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 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 SQLite Database Configuration

BiblioteQ supports version 3.5.6 of SQLite. Higher versions are also supported. To initialize an SQLite database that's suitable for BiblioteQ, perform the following operation:

a) sqlite3 -init sqlite_create_schema.sql biblioteq.db.

Please note that the OS X and Windows bundles contain prepared SQLite databases.

1.3 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 and sqlite_update_schema.sql files under the appropriate software version. 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 4.5.3, or greater, must be installed. Please download the software from http://www.qtsoftware.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 2.1.53, or higher, must be installed. Please download the software from http://www.indexdata.com/yaz.
c) If you intend to use PostgreSQL, the PostgreSQL 7.4.16 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.

Once the BiblioteQ executable has been created, please complete the following operations:
a) Create the /usr/local/biblioteq directory.
b) Copy the BiblioteQ executable to /usr/local/biblioteq.
c) Copy the icons.d directory to /usr/local/biblioteq.
d) Create the /usr/local/biblioteq/translations.d directory.
e) Copy the translations.d/*.qm files to /usr/local/biblioteq/translations.d.
f) Copy the biblioteq.conf file to /usr/local/share.
g) Copy the biblioteq.sh script to /usr/local/bin.
h) Set the desired permissions on the aforementioned directories and files.

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.