INSTALLATION DIRECTIONS

RosarioSIS Student Information System

Version 5.0

NOTE: Before Installing RosarioSIS, you must read and agree to the included license.

RosarioSIS is a web based application which relies on other facilities such as a web server, PHP server-side scripting, and PostgreSQL database server.

For RosarioSIS to work you must first have your web server working, PostgreSQL working, PHP working (including the `pgsql`, `gettext`, `mbstring`, `gd`, `curl`, `xmlrpc` & `xml` extensions). Setting these up varies a lot with platform, operating system, and distribution so it is well beyond to scope of this brief install document.

RosarioSIS was tested on:

- Windows 7 x64 with Apache 2.2.21, Postgres 9.1, and PHP 5.3.9
- Windows 10 x86 with Apache 2.4.16, Postgres 9.3.6, and PHP 5.4.45
- Ubuntu 14.04 with Apache 2.4.18, Postgres 9.3.10, and PHP 5.5.9
- Debian Jessie with Apache 2.4.16, Postgres 9.4, and PHP 5.6.13
- Debian Stretch with Apache 2.4.25, Postgres 9.6, and PHP 7.0.14
- Ubuntu 16.04 with Apache 2.4.18, Postgres 9.5, and PHP 7.3.4
- Shared hosting with cPanel, nginx, Postgres 8.4, and PHP 5.6.27
- through Mozilla Firefox
- through BrowserStack for cross-browser compatibility (not compatible with Internet Explorer 8 or lower)

Minimum requirements: **PHP 5.3.2** & **PostgreSQL 8**

Installation directions for **Windows**

Installation directions for **cPanel**

Installing the package

Unzip the RosarioSIS distribution to a directory that is accessible to your web browser. Edit the `config.inc.sample.php` file to set the configuration variables as appropriate for your installation. Rename the file to `config.inc.php`.

- `$DatabaseServer` is the host name or IP for the database server
- `$DatabaseUsername` is the username used for authenticating the database
- `$DatabasePassword` is the password used for authenticating the database
- `$DatabaseName` is the database name
- `$DatabasePort` is the port number for accessing the database server
- `$pg_dumpPath` is full path to the postgres database dump utility, pg_dump
- `$wkhtmltopdfPath` is full path to wkhtmltopdf for PDF generation
- `$DefaultSyear` is default school year, should match the database to be able to login
- `$RosarioNotifyAddress` is the email address to send notifications to (new administrator)
- `$RosarioLocales` is a comma separated list of locale names (language packs, check the `locale/` folder for available locales)

Optional variables

- `$RosarioPath` is full path to RosarioSIS installation, you can define it statically or the runtime value derived from the `__FILE__` magic constant should work
- `$wkhtmltopdfAssetsPath` is path where wkhtmltopdf will access the `assets/` directory, possibly different than how the user's web browser finds it, empty string means no translation
- `$StudentPicturesPath` path to student pictures
- `$UserPicturesPath` path to user pictures

- `$PortalNotesFilesPath` path to portal notes attached files
- `$AssignmentsFilesPath` path to student assignments files
- `$FS_IconsPath` path to food service icons
- `$FileUploadsPath` path to file uploads
- `$LocalePath` path were the language packs are stored. You need to restart Apache at each change in this directory.
- `$PNGQuantPath` path to PNGQuant for PNG compression.
- `$RosarioErrorsAddress` is the email address to send errors to (PHP fatal, database, hacking)
- `$Timezone` sets the default time zone used by date/time functions. See List of Supported Timezones.
- `$ETagCache` set to `false` to deactivate the ETag cache and disable "private" session cache. See Sessions and security.

  [Debug mode: add the following line to activate]

- `define( 'ROSARIO_DEBUG', true );`

Database setup

Now, you're ready to setup the RosarioSIS database. If you have access to the command prompt for your server, follow these instructions. If you're using phpPGAdmin or a similar tool, import the `rosariosis.sql` file included in this package.

1. Open a command prompt window.

2. Login as the postgres user:
   `server$ sudo -i -u postgres`

3. Get a PostgreSQL prompt:
   `server$ psql`

4. Create the rosariosis user:
   `postgres=# CREATE USER rosariosis_user WITH PASSWORD 'rosariosis_user_password';`

5. Create the rosariosis database:
   `postgres=# CREATE DATABASE rosariosis_db WITH ENCODING 'UTF8' OWNER rosariosis_user;`

6. Logout of PostgreSQL:
   `postgres=# \q` &
   `server$ exit`

7. Run the RosarioSIS SQL file:
   `server$ psql -f INSTALL_DIRECTORY/rosariosis.sql rosariosis_db rosariosis_user`

Also, the `pg_hba.conf` file may have to be altered to enable password (`md5`) peer authentication:

```
# "local" is for Unix domain socket connections only
local   all         all                     md5
```

That's it!... now, point your browser to: `http://yourdomain.com/INSTALL_LOCATION/index.php`

and login as 'admin' password 'admin'. With this login, you can create new users, and change and delete the three template users.

Installation problems

To help you spot problems, point your browser to: `http://yourdomain.com/INSTALL_LOCATION/diagnostic.php`

Installing PHP extensions

Install instructions for Ubuntu 16.04:
`server$ sudo apt-get install php-pgsql php-gettext php-mbstring php-gd php-curl php-xmlrpc php-xml`

Installing other languages

Install instructions for Ubuntu 16.04 and the *Spanish* locale:
`server$ sudo apt-get install language-pack-es`
Then restart the server.

Installing wkhtmltopdf

Install instructions for Ubuntu 16.04:

```
server$ wget https://downloads.wkhtmltopdf.org/0.12/0.12.5/wkhtmltox_0.12.5-1.xenial_amd64.deb
server$ sudo dpkg -i wkhtmltox_0.12.5-1.xenial_amd64.deb
```

Set path in `config.inc.php` :

```
$wkhtmltopdfPath = '/usr/local/bin/wkhtmltopdf';
```

Activate PHP mail() function

Install instructions for Ubuntu 16.04:

```
server$ sudo apt-get install sendmail
```

Additional configuration

Quick Setup Guide