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openSIS Student Information System

Installation Instructions

Installation on Windows

Installation on Linux

Upgrading openSIS

Last updated: October 2008

Windows Installation

Installing on machines running Windows XP, Vista, Windows 2003 Server OS

openSIS requires the following pre-requisite software:

1. Apache 2.0.54
2. Postgres 8.2.x
3. PHP 5.x

If you have the above installed software in your computer already, you can proceed to openSIS installation, otherwise follow the links below to download and install the pre-requisite software.

1. Download and install Apache and PHP

XAMPP Windows
http://www.apachefriends.org/en/xampp-windows.html

This will install Apache web server and PHP 5.x.

Or,

Bitnami Windows
http://bitnami.org/stack/wappstack

This will install Apache web server, Postgres and PHP 5.x.

2. Download and install Postgres SQL Server (If you used Bitnami WAPPSTACK you can skip installing Postgres since it is included in the package)

http://www.postgresql.org/ftp/binary/v8.2.10/win32/

This will install the Postgres SQL server and PGADMIN, the server administrator tool.

Once these software are fully installed, follow the openSIS Installation procedure.

(openSIS has been tested extensively with the XAMPP package on Windows and the Bitnami LAPPStack on Linux)

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Linux Installation
Installing on machines running Linux

openSIS requires the following pre-requisite software:

4. Apache 2.0.54
5. Postgres 8.2.x
6. PHP 5.x

If you have the above installed software in your computer already, you can proceed to openSIS installation, otherwise follow the links below to download and install the pre-requisite software.

1. Download and install Apache and PHP

XAMPP Linux:
http://www.apachefriends.org/en/xampp-linux.html

This will install Apache web server and PHP 5.x.

Or,

Bitnami Linux LAPPStack:
http://bitnami.org/stack/lappstack

This will install Apache web server, Postgres and PHP 5.x.

2. Download and install Postgres SQL Server (If you used Bitnami LAPPSTACK you can skip installing Postgres since it is included in the package)

http://www.postgresql.org/ftp/binary/v8.2.10/win32/

This will install the Postgres SQL server and PGADMIN, the server administrator tool.

Once these softwares are fully installed, follow the openSIS Installation procedure.

(openSIS has been tested extensively with the XAMPP package on Windows and the Bitnami LAPPStack on Linux).

Note: The installation creates a file "data.php" that stores necessary information for connection to the database and default school year information. You'll need to use 777 permissions on directories where openSIS is being installed to allow write permissions. The reason for this is, while you (your user) may own the directories and files, another user (the web server) needs to be able to write in/to them.

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openSIS Installation

This installation assumes that you have installed and properly configured the following items:

- Web Server (Apache is the web server we test on and use)
- PostgreSQL database software
- PHP

We recommend that you use one of the automated installers like XAMPP or Bitnami Stacks which eases the process of installing and configuring the webserver.

Automated Installation

openSIS includes an automated installer that has been extensively tested on Windows. Testing has been done with various Linux versions, but success seems to vary with different distributions.

1. Download the latest stable release of opensis from the www.opensis.com. To download the openSIS package you need to register. If you are already registered please follow the link sent in your email to download the latest build.

2. Unzip the openSIS folder to your web server directory.

   In case you installed XAMPP the webserver directory will be:
   <XAMPP Installation Directory>/htdocs/

   In case you have installed Bitnami LAPPStack, your web server would be:
   <LAPPSTACK Installation Directory>/apache 2/htdocs/

3. Open your web browser and go to the following address:
   http://<your server address>/opensis/install/index.php. Choose “New Installation” in the installation choices. The automated installer will guide you through the setup step by step.



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4. In step1, you will be asked to provide Postgres connection information. Keep the Server Input field as “localhost”. OpenSIS is designed to be installed only on localhost. If you use any IP Address viz. 127.0.0.1 it will not install.

   Provide the admin username and password for Postgres so the application can connect to Postgres.

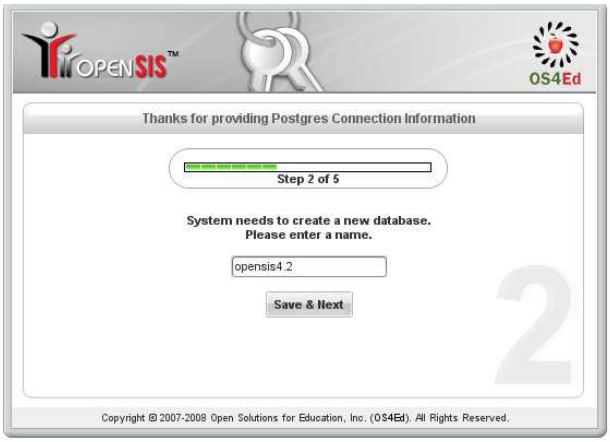


Note: Remember that if you provided wrong details for Postgres connection in Step 1, you will be redirected to an error page like the one below. Click “Retry” and provide the correct connection information.



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5. Once you have provided the Postgres connection, we move to step 2 where you will need to enter the name for the database you want to use for openSIS.

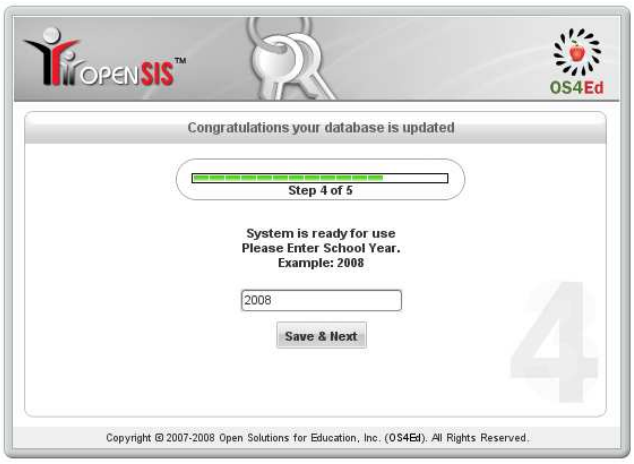


6. In Step 3, Provide the Administrator Username and password you would like to use for administering openSIS.



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7. In Step 4, enter the School Year and click “Save & Next.” This page will take some time to submit since this is where the installer builds all the database tables for use in openSIS.



8. Finally you have your application setup and ready to use. Click on the login button and login to the application using the administrator Username/Password you provided while installing in step 3. With this login, you can create new users, and change the three template users. Since users/students can not be deleted the default user/student entries created during installation should be changed to proper user/student information.



Congratulations! You have successfully installed openSIS.

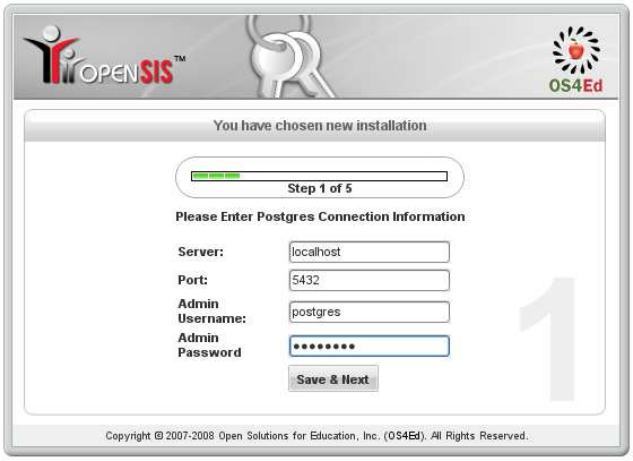
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openSIS Upgrade

If you have already installed a version of openSIS and you want to upgrade to a newer release, you should choose Upgrade in the automated installer.



1. In step 1, you will be asked to enter the Postgres connection information. Keep the Server Input field as "localhost". OpenSIS is designed to be installed only on localhost. If you use any IP Address viz. 127.0.0.1 it will not install. Provide the admin username and password for Postgres so the application can connect to Postgres.

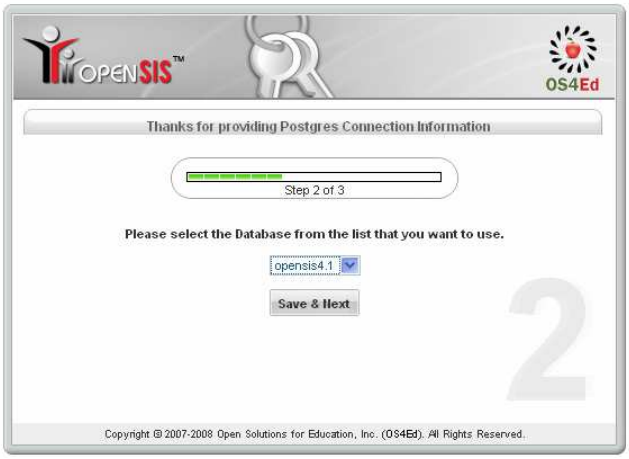


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Note: Remember that if you provided wrong details for Postgres connection in Step 1, you will see an error screen. Click “Retry” and provide the correct connection information to move to step 2.



2. In the next step, you will have available the database you created for openSIS in a dropdown. Select the Database you are using for openSIS and click “Save & Next” The upgrader will install all the upgrades for the required version and take you to the login screen.



Congratulations! You have successfully upgraded openSIS.

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