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openSIS Student Information System

Installation Instructions for Community Edition

Installation on Windows

Installation on Linux

Installation on Mac

Last updated: December 2022

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.

Installation

openSIS Student Information System - Community Edition

Windows Installation

Installing on machines running Windows11 Desktop and Windows Server OS

openSIS requires the following pre-requisite software:

1. Apache 2.4 and above
2. MySQL 5.7, 8.0 or Maria DB 10.4.x
3. PHP 8.x

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

Download and install Apache and PHP

XAMPP Windows

<https://www.apachefriends.org/download.html>

This will install Apache web server, MariaDB database, and PHP.

Mac Installation

XAMPP for Mac is also available from the same download

link: <https://www.apachefriends.org/download.html>

Make sure you log in as "root" user to your Mac and then attempt the installation.

Linux Installation

XAMPP Linux:

<https://www.apachefriends.org/download.html>

This will install Apache web server, MySQL/Maria DB database, and PHP 8.x.

openSIS Installation

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

- Web Server (Apache is the webserver we test on and use)
- MySQL/Maria DB database software
- PHP

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

Open your php.ini file and search for `display_errors = ON` and change it to `display_errors = Off`

Automated Installation

openSIS includes an automated installer that has been extensively tested on Windows and Ubuntu Linux.

1. Download the latest stable release of openSIS from the <https://github.com/OS4ED/openSIS-Classic/releases>

2. Unzip the openSIS folder to your webserver directory.

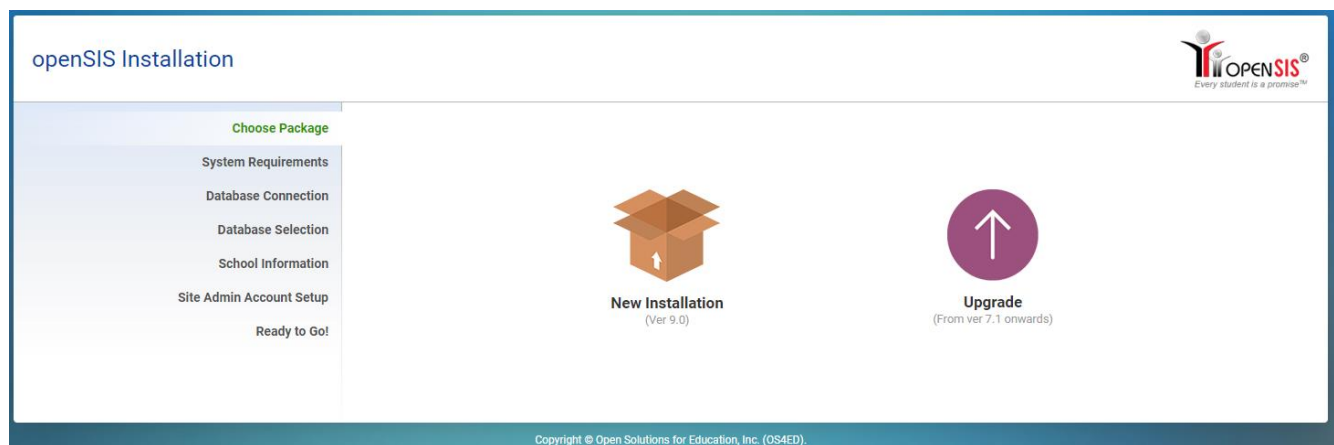
In case you installed XAMPP the webserver directory will be:

<XAMPP Installation Directory>/htdocs/

3. Open your web browser and go to the following address:

<http://localhost/opensis-ce> (or whatever the folder name you have used during unzipping the code)

Click on **New Installation** to continue, the automated installer will guide you through the setup step by step.





The installer will check system requirements for the pre-requisites and if it finds it will prompt you to continue.

The screenshot shows the 'openSIS Installation - System Requirements' window. On the left is a sidebar with a list of steps: 'Choose Package', 'System Requirements' (highlighted in green), 'Database Connection', 'Database Selection', 'Site Admin Account Setup', and 'Ready to Go!'. The main area is titled 'Let's check your system configuration:' and lists three requirements: 'PHP Version 5.4 or greater' with an 'OK' status, 'cURL' with an 'OK' status, and 'Apache Version 2.4 or greater' with an 'OK' status. Below these, a message reads 'Hurray! your system meets the requirements for openSIS installation.' and a green 'Continue' button is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4ED)'.

After you click continue, in the database connection step you will be asked to provide MySQL/Maria DB connection information. Keep the Server Input field as “localhost”. openSIS is designed to be installed on localhost or on any MySQL/Maria DB server where you (the user) have read write permission. openSIS does not install on many shared hosting sites because the host does not provide “write” access to database which is required to install stored procedures.

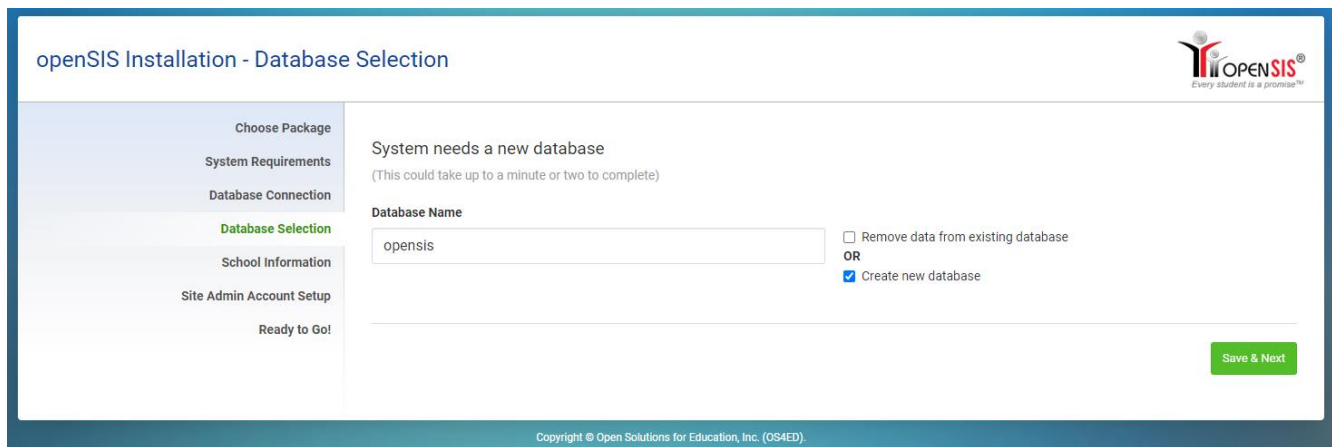
Provide the admin username and password for the database so the application can connect to it.

Note: Remember that if you provided the wrong details for MySQL/Maria DB connection, you will be redirected to an error page like the one below. Click “Try Again” and provide the correct connection information.

The screenshot shows the 'openSIS Installation - Database Connection' window. The sidebar on the left has 'Database Connection' highlighted in green, with other steps like 'Choose Package', 'Database Selection', 'School Information', 'Site Admin Account Setup', and 'Ready to Go!'. The main area is titled 'Please Enter MySQL Connection Information' and contains four input fields: 'Server' (with 'localhost' entered), 'Port' (with '3306' entered), 'MySQL Username' (with 'root' entered), and 'MySQL Password' (with masked characters '*****' entered). A green 'Save & Next' button is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4ED)'.

Once you have provided the database connection, we move to the database creation step where you will need to enter the name for the database you want to use for openSIS. The system defaults to openSIS;

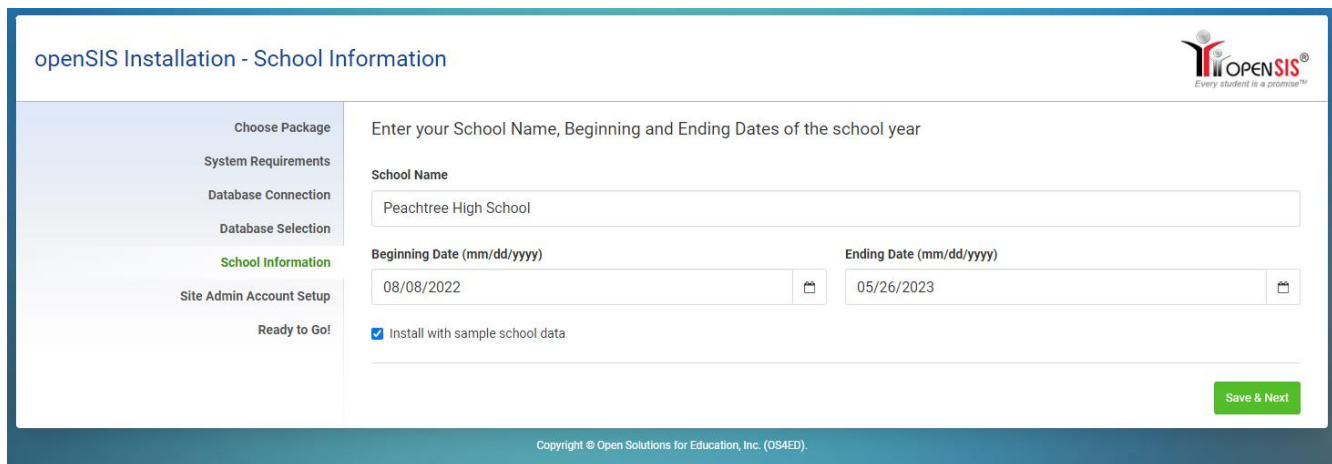
you can leave it as is or give a different name.



The screenshot shows the 'openSIS Installation - Database Selection' screen. On the left is a sidebar with navigation links: 'Choose Package', 'System Requirements', 'Database Connection', 'Database Selection' (highlighted in green), 'School Information', 'Site Admin Account Setup', and 'Ready to Go!'. The main content area has the heading 'openSIS Installation - Database Selection' and the openSIS logo. Below the heading, it says 'System needs a new database' with a note '(This could take up to a minute or two to complete)'. There is a 'Database Name' input field containing 'opensis'. To the right of the input field are two options: 'Remove data from existing database' (unchecked) and 'Create new database' (checked). A 'Save & Next' button is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4ED)'.

If you already have created a database and trying to install it again, then check the “Remove data from an existing database” option to remove the old database.


Provide the school name, begin date and end date of the school year that you are creating. You can also check the “Install with sample school data” option to install the sample school. The data in the sample school will act as a guide to help you configure your own school properly.



The screenshot shows the 'openSIS Installation - School Information' screen. The sidebar is identical to the previous screen, with 'School Information' highlighted in green. The main content area has the heading 'openSIS Installation - School Information' and the openSIS logo. Below the heading, it says 'Enter your School Name, Beginning and Ending Dates of the school year'. There is a 'School Name' input field containing 'Peachtree High School'. Below this are two date input fields: 'Beginning Date (mm/dd/yyyy)' with '08/08/2022' and 'Ending Date (mm/dd/yyyy)' with '05/26/2023'. Below the date fields is a checkbox labeled 'Install with sample school data' which is checked. A 'Save & Next' button is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4ED)'.

In account setup, enter Administrator’s First Name, Last Name, Email ID, Username and Password you would like to use for administering openSIS. The Password must have a number and special character.

openSIS Installation - Site Admin Account Setup



Choose Package

System Requirements

Database Connection

Database Selection

School Information

Site Admin Account Setup

Ready to Go!

Setup a Site Administrator Account

First Name

Last Name

Middle Name

Email ID

Username

Password


Confirm Password

Save & Next

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Finally, you have your application set up and ready to use. Click on the proceed to openSIS login button and login to the application using the administrator Username/Password you provided during installation in the account setup.

openSIS Installation - Complete



Choose Package

System Requirements


Database Connection

Database Selection

School Information

Site Admin Account Setup

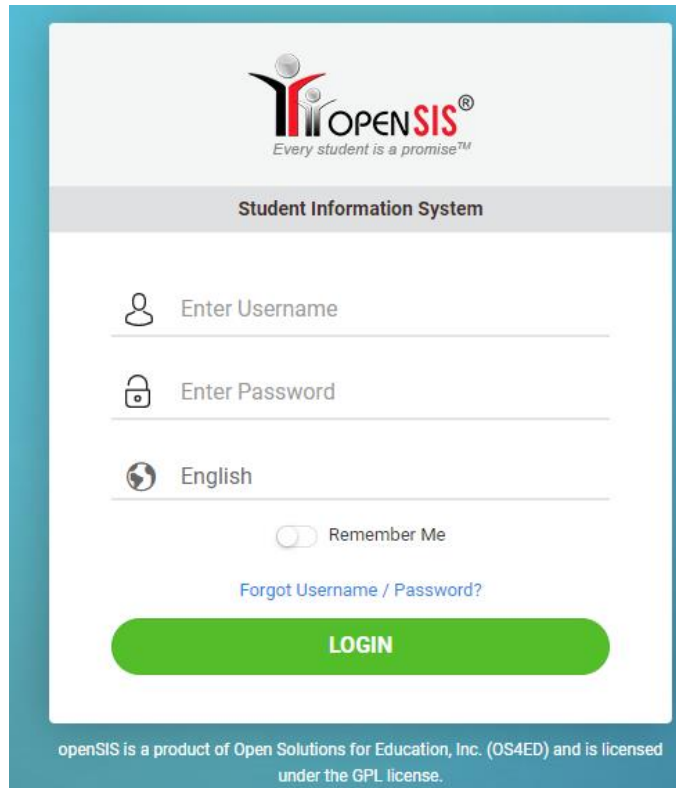
Ready to Go!



Congratulations! You have successfully installed openSIS

Proceed to openSIS Login

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A screenshot of the openSIS login interface. It features a light blue header with the openSIS logo and tagline "Every student is a promise™". Below the header is a grey bar with the text "Student Information System". The main content area is white and contains three input fields: "Enter Username" with a person icon, "Enter Password" with a lock icon, and "English" with a globe icon. Below these fields is a "Remember Me" toggle switch and a link "Forgot Username / Password?". A large green "LOGIN" button is at the bottom. At the very bottom, a small footer states: "openSIS is a product of Open Solutions for Education, Inc. (OS4ED) and is licensed under the GPL license." data-bbox="286 116 701 490"/>

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Congratulations! You have successfully installed openSIS.



If you are trying to upgrade then click on **Upgrade** to continue from the installation screen, the automated upgrade will guide you through the setup step by step.

openSIS Installation

Please be advised that only openSIS-CE version 7.1 and above can be upgraded to the latest version using this installer. If you are running version 7.1 or above, click Continue to upgrade, otherwise click Go Back and try the New Installation.

Please Note: Remember to backup your current database and keep it in a safe place before attempting an upgrade. OS4ED will not be responsible for data corruption or data loss if the upgrade is unsuccessful for any reason.

[Go Back](#) [Continue](#)

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Check the openSIS version beforehand to proceed. If it is version 7.1 and above, then click on **continue**, else click on **go back**.

Just like performing a new installation, for an upgrade you will be asked to provide MySQL/Maria DB connection information. Keep the Server Input field as “localhost”. openSIS is designed to be installed on localhost or on any MySQL/Maria DB server where you (the user) have read write permission. openSIS does not install on many shared hosting sites because the host does not provide “write” access to database which is required to install stored procedures.

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

openSIS Installation - Database Connection

Choose Package

Database Connection

Database Selection

School Information

Site Admin Account Setup

Ready to Go!

Please Enter MySQL Connection Information

Server: localhost

Port: 3306

MySQL Username: root

MySQL Password:

[Save & Next](#)

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You'll need to select the database that you want to upgrade from and click on **save & next**.

The screenshot shows the 'openSIS Installation - Database Selection' screen. On the left is a sidebar with a vertical list of steps: 'Choose Package', 'Database Connection', 'Database Selection' (highlighted in green), 'Site Admin Account Setup', and 'Ready to Go!'. The main content area has the title 'openSIS Installation - Database Selection' and the openSIS logo. Below the title, it says 'Thanks for providing MySQL Connection Information'. A message reads: 'Please select the Database from the list that you want to upgrade from.' Below this is a dropdown menu with 'opensis' selected. A blue button labeled 'Save & Next' is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4Ed)'.

Upgrade will begin processing and on successful upgrade, click on **Login** to start using openSIS.

The screenshot shows the 'openSIS Installation - Upgrade Processing' screen. The sidebar on the left is the same as the previous screen. The main content area has the title 'openSIS Installation - Upgrade Processing' and the openSIS logo. In the center, there is a circular refresh icon. Below it, the text reads: 'Your system is being upgraded to the new version.' followed by 'This will take a few minutes. Please be patient and do not click the Refresh or browser Back buttons.'

The screenshot shows the 'openSIS Installation - Complete' screen. The sidebar on the left has the 'Ready to Go!' step highlighted in green. The main content area has the title 'openSIS Installation - Complete' and the openSIS logo. In the center, there is a green circle with a white checkmark. Below it, the text reads: 'Congratulations! You have successfully upgraded openSIS' followed by 'Your system has been successfully upgraded to version 7.0. Please click the button below to proceed to login with your existing login credentials.' A green button labeled 'Proceed to openSIS Login' is at the bottom right. The footer contains the copyright notice: 'Copyright © Open Solutions for Education, Inc. (OS4Ed)'.



Note:

As a security measure, the install folder will be deleted automatically after the installation. If you need to re-install openSIS, please unzip the downloaded file again, or re-download openSIS from <https://github.com/OS4ED/openSIS-Classic/releases>.

If you need assistance with installation, configuration, data import or anything else, please purchase support from <https://www.os4ed.com/purchase-support>.

New Product:

If you do not want the hassle of installing and managing openSIS yourself, you can subscribe to the beautifully designed openSIS SaaS product. No download is required. Cloud hosted at Microsoft Azure, secure and scalable with 99.9% uptime guarantee.

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