

HYDROSERVER LITE INSTALLATION GUIDE

At this point you have downloaded HydroServer Lite from the internet and are attempting to complete the installation on your computer to establish your own instance of HydroServer Lite. This particular tutorial will take you through the steps necessary to install HydroServer Lite on your localhost. At this point it is assumed that you have a program installed on your computer such as WAMP Server or a similar program.

1. Create a folder inside of the “www” folder found inside of the WAMP directory folder (or whatever program you are using). This may be located in C:\wamp\www. Note: your folder cannot have any spaces in the name. You will get an error if you do. Use an underscore instead.
2. Copy all of the files to this newly created folder.
3. After creating the folder and copying the files point your web browser to the directory on localhost where you placed the downloaded files.
4. Shortly after pointing your web browser to the directory on the WAMP Server you should see a HydroServer page come up asking you to edit your site’s main configuration file, see **Figure 1**.

HydroServer Interactive

Language: English [Back to the](#)

Required fields are marked with an asterisk (*)

HydroServer Interactive: Editing your site's main configuration file

Welcome, Administrator!

Please take a few minutes to change all of the fields below to setup your application with the correct default settings needed for it to run properly. If you have any questions during the process, please click the information icon next to the field or refer to the example provided.

Current username:

New Password:

(Must be entered now.)

Please enter your default settings below...

Setup Type ☒ Basic ☐ Advanced

Configuration settings for MySQL Database

The software will attempt to create the database if its not been created. Also, it will add all the default tables only if it doesn't detect a previous installation. If a previous installation of HSL is detected, it will just use that database. You may also use the server's database settings to host your data on our default database. In that case please select Yes from the below drop down. (This option is only available for all installs after the initial install)

Database Host:

Database Username:

Database Password:

Figure 1: HydroServer Setup Page

5. At this point you can familiarize yourself with the installation page. There may be information that you need to gather so the installation can be completed.
6. The first thing that the page asks for is a new password, enter a password. See Figure 2 for location.

HydroServer Interactive

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Required fields are marked with an asterisk (*)

HydroServer Interactive: Editing your site's main configuration file

Welcome, Administrator!

Please take a few minutes to change all of the fields below to setup your application with the correct default settings needed for it to run properly. If you have any questions during the process, please click the information icon next to the field or refer to the example provided.

Current username: his_admin

New Password: (Must be entered now.)

Please enter your default settings below...

Setup Type ☒ Basic ☐ Advanced

Configuration settings for MySQL Database

The software will attempt to create the database if its not been created. Also, it will add all the default tables only if it doesn't detect a previous installation. If a previous installation of HSL is detected, it will just use that database. You may also use the server's database settings to host your data on our default database. In that case please select Yes from the below drop down. (This option is only available for all installs after the initial install)

Database Host: ?

Database Username:

Database Password:

Figure 2: Password Field

7. The radio buttons below the “New Password” field determine the type of setup, see Figure 3. The advanced setting may be used but requires more detailed information regarding your sites and how you want to add data. This tutorial will take you through the basic setting features.
8. The next box asks for the “Database Host,” enter the database host, for this case it is “localhost”, see Figure 3.

Please enter your default settings below...

Setup Type ☒ Basic ☐ Advanced

Configuration settings for MySQL Database

The software will attempt to create the database if its not been created. Also, it will add all the default tables only if it doesn't detect a previous installation. If a previous installation of HSL is detected, it will just use that database. You may also use the server's database settings to host your data on our default database. In that case please select Yes from the below drop down. (This option is only available for all installs after the initial install)

1. Database Host: localhost ?

2. Database Username: root

3. Database Password:

4. Database Name: worldwater ?

Configuration settings for website's look and functionality

Enable Multiple Installations? No

Website Path: default
This defines the access URL for your server. Ex: http://worldwater.byu.edu/hsl/YOURNAME. If this is your initial installation, it will be set to default. Please don't use

Language Code: English

Organization's Name: McCall Outdoor Science School
(Ex: McCall Outdoor Science School)

Parent Website's Name: MOSS blog
(Ex: MOSS blog)

Parent Website: adventurelearningat.com
(Ex: adventurelearningat.com)

Figure 3: This image along with the lines point out the following: 1. Is the Database Host, 2. Is the Username, 3. Is the Password, and 4. Is the Database Name.

9. IMPORTANT: enter “root” for the username otherwise it won’t work even if you are connecting to an existing database, see Figure 3.
10. Leave password field blank, see Figure 3.
 - a. NOTE: if you are connecting to an existing database enter “root” as the username and then leave the password blank.
11. For Database Name, enter the name of your database. If you haven’t created one already enter the new name of the database, see Figure 3. The name of your database cannot have any special characters including spaces. If you need a space use an underscore instead.
12. Complete the remaining fields with the necessary data pertaining to your organization.
13. Variable code could be “IDCS” or something equivalent, (“NULL” works too).
14. The time support describe how often the data is collected. For example if you collect the data hourly then enter “1” into the input box.
15. UTC Offset (Greenwich Mean Time) is based on the time zone where your data is collected. For example here in Utah we enter the value of “7” because the sun rises 7 hours later here in Utah.

Once the settings finished save them. Shortly thereafter a screen will show saying that you have successfully created your database, see Figure 4.

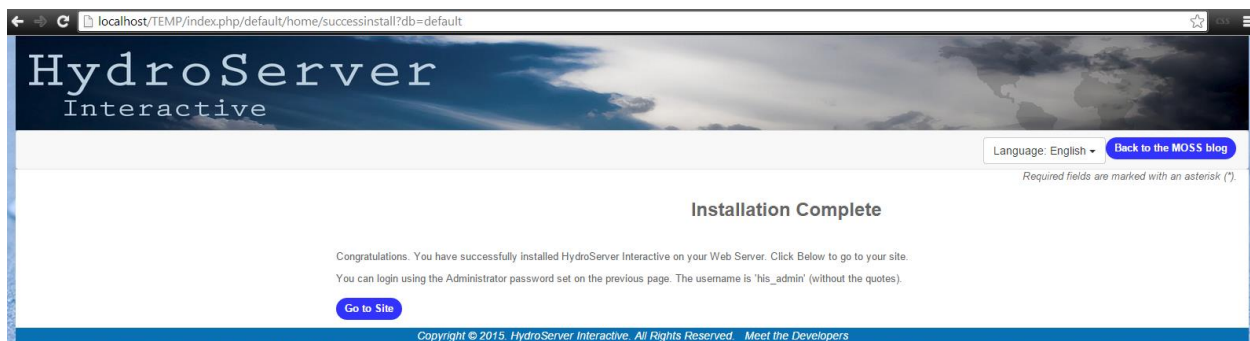


Figure 4: Installation Complete

Congratulations, you are now on your way to hosting your own data on your localhost!

The setup for connecting to your own server and database would be very similar except for the host would be your server name and the username and password would be those required to enter your server. You would create a new database based on the new name you input or connect to an existing one.