

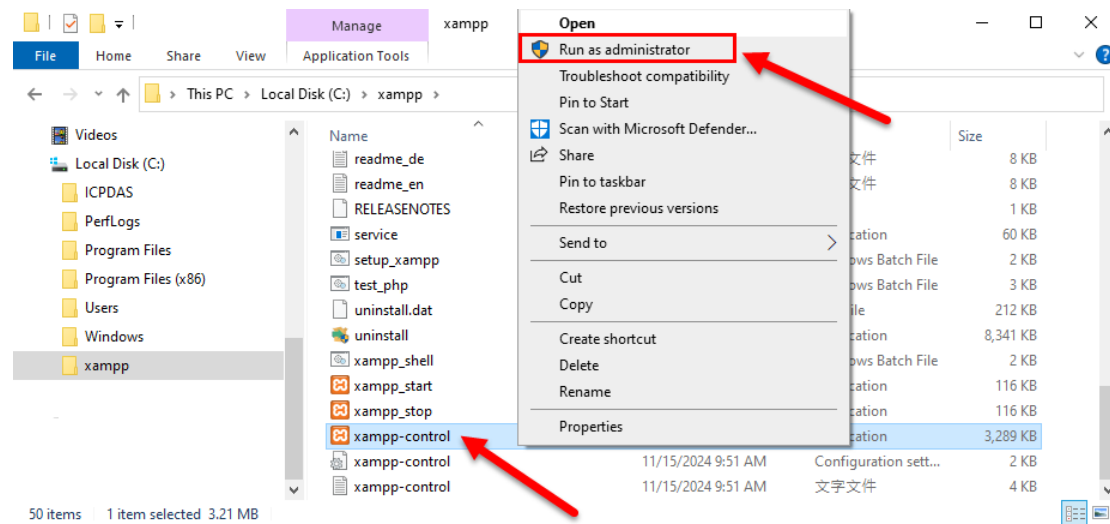
How To Setup EZ Data Logger Query Page for PHP Web

2024/11/27 By Mac Cho

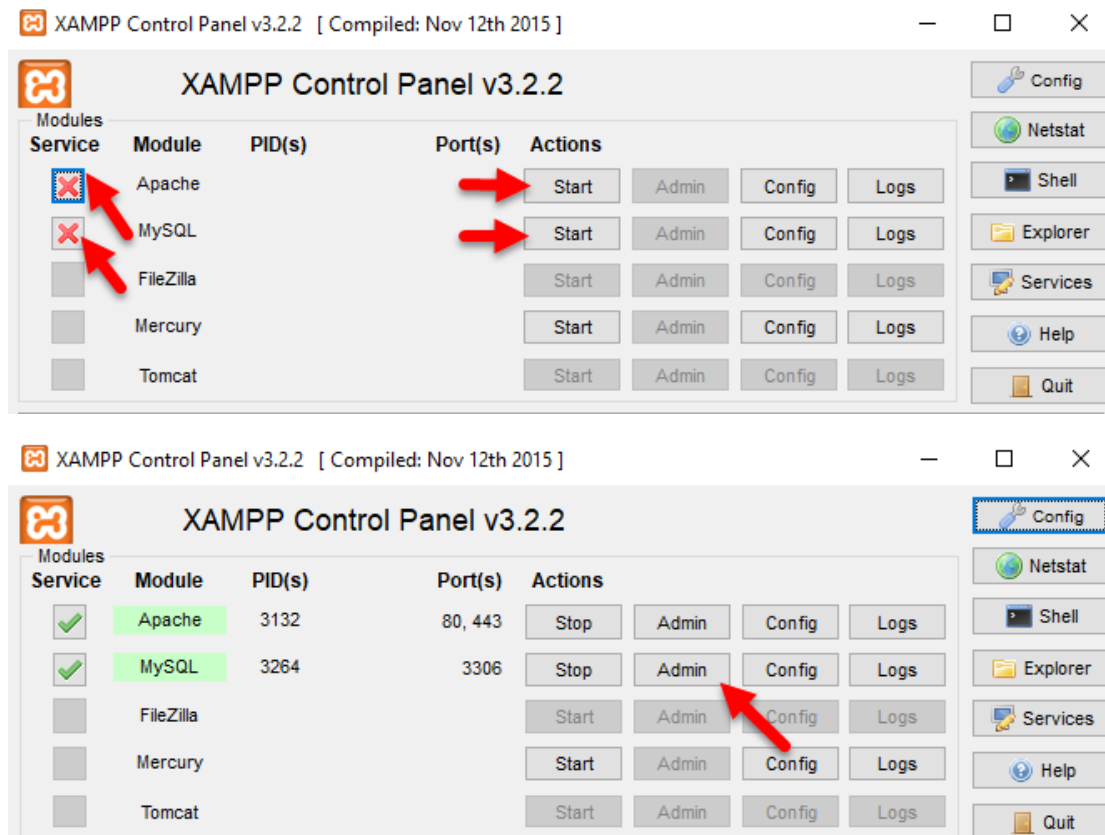
Step 1. Download XAMPP by the link and install it.

<https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/7.3.0/>

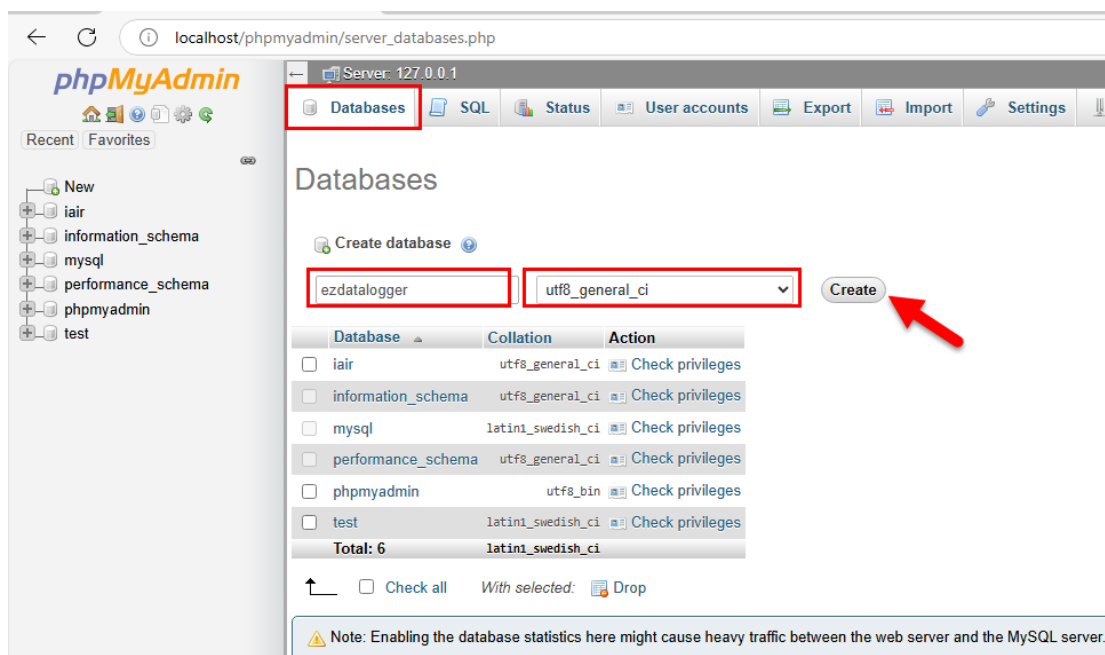
Step 2. Mouse right click xampp-control.exe and choose "Run as administrator"



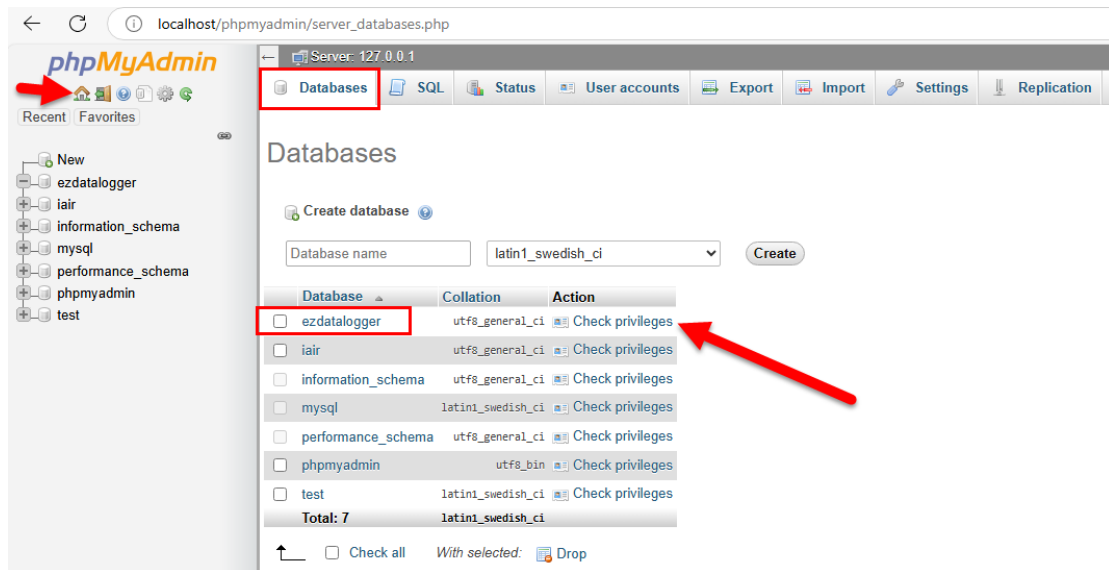
Step 3. Enable Apache and MySQL services. Start Apache and MySQL services. Then click MySQL Admin.



Step 4. Go to Database page. Input the database name for EZDataLogger.



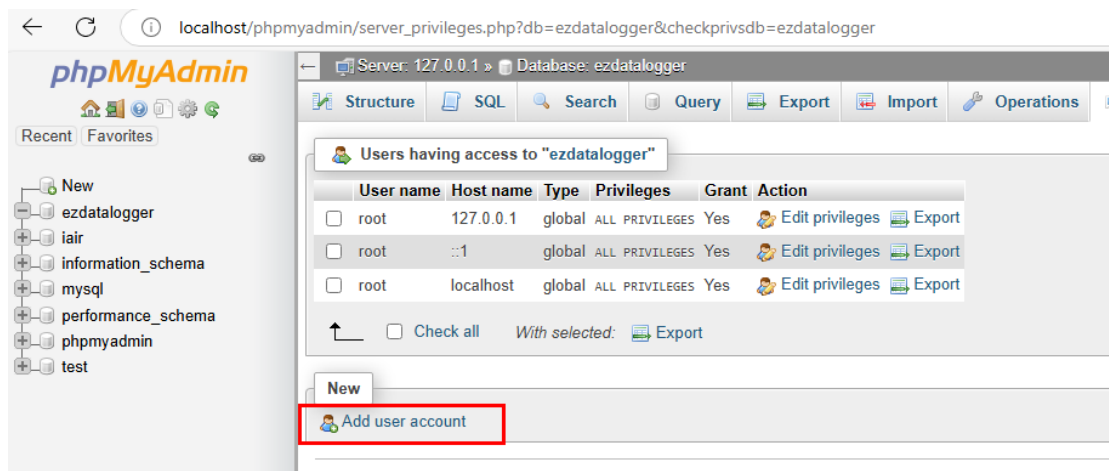
Step 5. Go to Database and click database privileges.



The screenshot shows the phpMyAdmin interface at localhost/phpmyadmin/server_databases.php. The 'Databases' tab is selected and highlighted with a red box. In the left sidebar, the 'ezdatalogger' database is also highlighted with a red box. A red arrow points from the 'Check privileges' link in the 'Action' column of the 'ezdatalogger' row to the right. The table lists several databases with their collations and a 'Check privileges' link for each.

Database	Collation	Action
☐ ezdatalogger	utf8_general_ci	Check privileges
☐ iair	utf8_general_ci	Check privileges
☐ information_schema	utf8_general_ci	Check privileges
☐ mysql	latin1_swedish_ci	Check privileges
☐ performance_schema	utf8_general_ci	Check privileges
☐ phpmyadmin	utf8_bin	Check privileges
☐ test	latin1_swedish_ci	Check privileges
Total: 7		latin1_swedish_ci

Step 6. Click "Add user account" .



The screenshot shows the phpMyAdmin interface at localhost/phpmyadmin/server_privileges.php?db=ezdatalogger&checkprivsdb=ezdatalogger. The 'Database: ezdatalogger' is selected. The 'Users having access to "ezdatalogger"' table is displayed, showing three users with 'ALL PRIVILEGES'. At the bottom, the 'Add user account' link is highlighted with a red box.

User name	Host name	Type	Privileges	Grant	Action
☐ root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
☐ root	:::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
☐ root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export

Step7. Setup a user account for local connection.

This account is for 127.0.0.1 connection and php web.

The screenshot shows the 'Add user account' form in phpMyAdmin. The form is titled 'Add user account' and is located under the 'User accounts' tab. The form is divided into two main sections: 'Login Information' and 'Database for user account'.

Login Information:

- User name:** A dropdown menu with 'Use text field:' selected, and a text input field containing 'ez_php'.
- Host name:** A dropdown menu with 'Local' selected, and a text input field containing 'localhost'.
- Password:** A dropdown menu with 'Use text field:' selected, and a text input field containing '*****'. A strength indicator shows 'Very weak'.
- Re-type:** A text input field containing '*****'.
- Authentication Plugin:** A dropdown menu with 'Native MySQL authentication' selected.
- Generate password:** A button labeled 'Generate' and a text input field.

Database for user account:

- ☐ Create database with same name and grant all privileges.
- ☐ Grant all privileges on wildcard name (username, %).
- ☒ Grant all privileges on database ezdatalogger.

Global privileges: ☐ Check all

A red arrow points to the 'Go' button at the bottom right of the form.

Step8. Setup a user account for remote connection.

*Host name: Any host

This account is for remote MySQL database. If you install XAMPP in another PC, you need to setup this account.

The screenshot shows the 'Add user account' form in phpMyAdmin. The form is divided into two sections: 'Login Information' and 'Database for user account'. In the 'Login Information' section, the 'User name' field is set to 'ez_user', the 'Host name' is set to 'Any host', and the 'Password' and 'Re-type' fields are filled with masked characters. The 'Authentication Plugin' is set to 'Native MySQL authentication'. In the 'Database for user account' section, the checkbox 'Grant all privileges on database ezdatalogger.' is checked. A red arrow points to the 'Go' button at the bottom right of the form.

phpMyAdmin

Server: 127.0.0.1

Databases SQL Status User accounts Export Import Settings Replication Variables

Add user account

Login Information

User name: Use text field: ez_user

Host name: Any host %

Password: Use text field: Strength: Very weak

Re-type:

Authentication Plugin: Native MySQL authentication

Generate password: Generate

Database for user account

☐ Create database with same name and grant all privileges.

☐ Grant all privileges on wildcard name (username, %).

☒ Grant all privileges on database ezdatalogger.

Go

Step 9. Download and install ODBC driver by the link

<https://downloads.mysql.com/archives/c-odbc/>

← ↻ <https://downloads.mysql.com/archives/c-odbc/> A ☆ ☆=

MySQL Product Archives

MySQL Connector/ODBC (Archived Versions)

⚠ **Please note that these are old versions. New releases will have recent bug fixes and features!**
To download the latest release of MySQL Connector/ODBC, please visit [MySQL Downloads](#).

Product Version: ▼

Operating System: ▼

Windows (x86, 32-bit), MSI Installer (mysql-connector-odbc-5.1.0-alpha-win32.msi)	Sep 8, 2007	3.6M	 Download
		MD5: 8f361c7e8d1280f1b9c0420d48da8220 Signature	
Windows (x86, 32-bit), ZIP Archive (mysql-connector-odbc-5.1.0-alpha-win32.zip)	Sep 8, 2007	3.5M	Download
		MD5: 7a824c1e38a63e80f2ca77366e08428b Signature	

💡 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

Step 10. In EZ Data Logger setting page, input server ip, account name, password, database name. Click connect button to test.

Example: EZ Data Logger and XAMPP are installed in the same PC. Use the local account.

System Config Ver 4.7.0

Oscilloscope Config

Display Mode ☐ Numeric ☒ Date/Time

Sampling Time(sec) 10

Graph XAxis(Minute) 1

Display Buffer Size 28800

Data Format 123.456

☐ Auto start when executing

Alarm Audio ☒ D:\EZDataLogger\00source\20240620_v470_script_com\alarm.wav

Save

Exit

Local Database Config SQL Server Config **MySQL Config** CSV

☒ Log MySQL

Server 127.0.0.1

User Name ez_php Database Name ezdatalogger

Password ***** Save Interval(sec) 10

Connectivity Test

Example: EZ Data Logger and XAMPP are installed in different PC. Use the any host account.

System Config Ver 4.7.0

Oscilloscope Config

Display Mode ☐ Numeric ☒ Date/Time

Sampling Time(sec) 10

Graph XAxis(Minute) 1

Display Buffer Size 28800

Data Format 123.456

☐ Auto start when executing

Alarm Audio ☒ D:\EZDataLogger\00source\20240620_v470_script_com\alarm.wav

Save

Exit

Local Database Config SQL Server Config **MySQL Config** CSV

☒ Log MySQL

Server 192.168.10.244

User Name ez_user Database Name ezdatalogger

Password ***** Save Interval(sec) 10

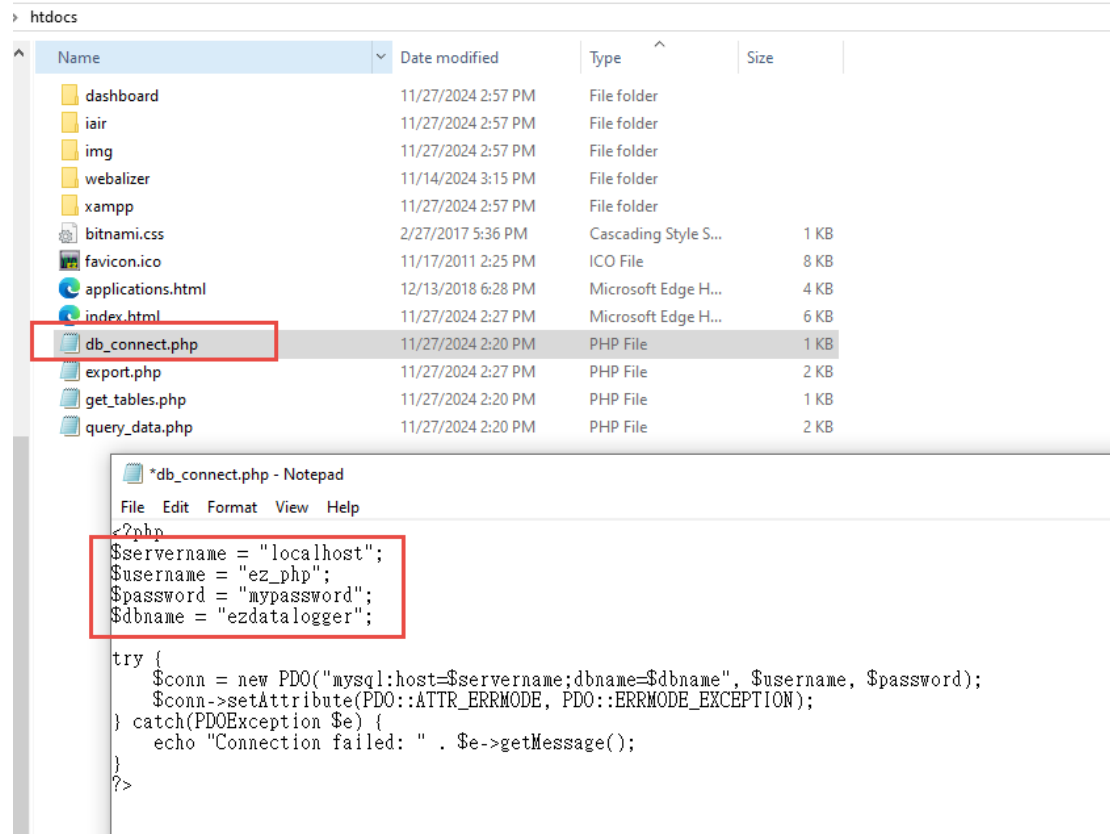
Connectivity Test

Step 11. Run EZ Data Logger and Start logging.

Step 12. Copy php_web files to C:\xampp\htdocs

Edit db_connect.php

Input the correct connection parameters.



Step 13. Open the browser and input the address. Select table. Select date and time. Click query button to show the data table and the trend charts.

Data Query System

Select Table:
t0_workgroup1

Start Time:
2024-11-27 12:00

End Time:
2024-11-27 15:00

QueryExport CSV

Data Table

NO	SamplingTime	C0_ET_7017_30001	C1_ET_7017_30002	C2_ET_7017_30003	C3_ET_7017_30004	C4_ET_7017_30005	C5_ET_7017_30006	C6_ET_7017_30007	C7_ET_7017_30008
1	2024-11-27 14:07:46	2.778	2.306	1.997	0.277	0.218	0.602	2.456	1.42
2	2024-11-27 14:07:56	0.982	0.042	1.222	0.889	0.47	2.732	2.66	2.383
3	2024-11-27 14:08:06	0.855	0.596	2.104	2.824	2.286	1.889	0.532	1.38
4	2024-11-27 14:08:16	1.739	2.882	1.794	2.422	1.386	1.756	0.278	1.048
5	2024-11-27 14:08:26	0.69	0.474	1.257	2.889	0.356	0.676	0.766	1.732
6	2024-11-27 14:08:36	1.631	2.971	2.223	2.093	2.546	0.807	1.627	1.488
7	2024-11-27 14:08:46	0.092	2.419	1.079	1.713	2.915	2.018	0.203	2.188
8	2024-11-27 14:08:56	1.519	0.787	1.08	1.141	0.222	1.889	0.701	0.364

Data Query System

