

# Databases



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# Overview



Supported Databases

Difference between PDO and MySQLi

Connecting, Query, Processing Data

# Supported Databases



CUBRID

DB++ (Experimental)

Firebird/InterBase

IBM DB2/Cloudscape/Apache Derby

MaxDB

MongoDB

mSQL

MS SQL

# More Supported Databases



MySQL/MariaDB

Oracle OCI8

Paradox (Experimental)

PostgreSQL

SQLite

SQLSRV (MS SQL/SQL Azure)

Sybase

Tokyo Tyrant

# PHP Extension Community Library – PECL



dBase

filePro

FrontBase

Informix (IDS)/Universal Server

Ingres/EDBC/Enterprise Access Gateways

# PDO vs. MySQLi

## PDO

- Supports Client-side Prepared Statements
- Connects to all the Supported Databases in PHP

## PDO & MySQL

- Object-Orientated
- Supports Charsets
- Multiple Statements
- Server-side Prepared Statements
- Stored Procedures

## MySQLi

- Can use Procedural Calls
- Connects to MySQL, MaxDB, MariaDB

# Installing phpMyAdmin

plural

pl

pl

pl

The image shows a screenshot of the phpMyAdmin configuration wizard. The main window is titled "Configuring phpmyadmin" and contains the following text: "Please provide a password for the MySQL application password." Below this text is a purple input field. To the right of the input field is a button labeled "<Ok>".

A smaller dialog box is overlaid on top of the main window, also titled "Configuring phpmyadmin". It contains the text "Password confirmation:" followed by a purple input field. Below the input field are two buttons: "<Ok>" and "<Cancel>".

At the bottom of the main window, there is a red "Success" message.



## Welcome to phpMyAdmin

### Language

English

### Log in

**Username:**

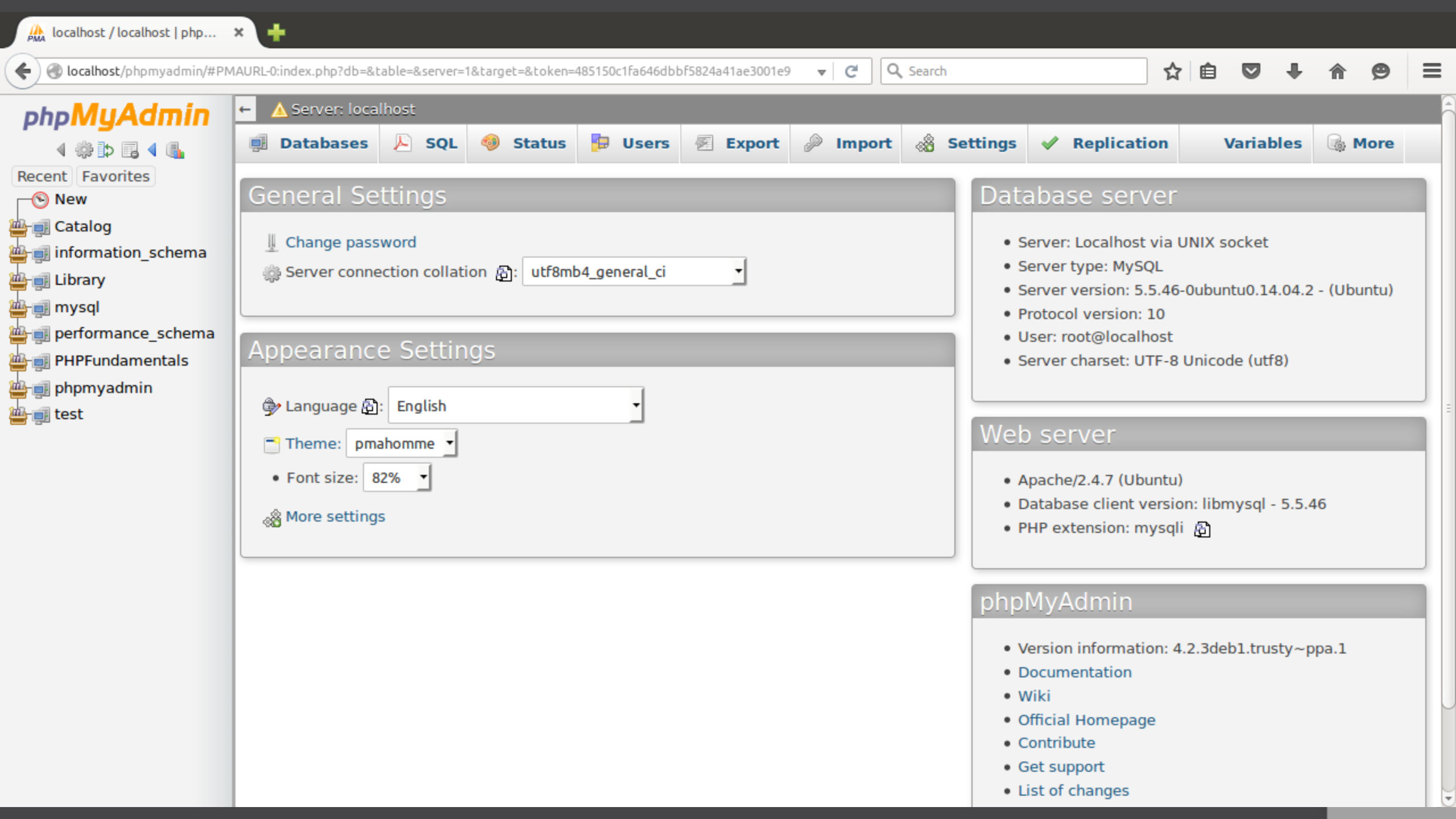
root

**Password:**

.....

Go





# Summary – Databases



Supported Databases

PDO vs. MySQLi

Setup Our Environment

- Linux, Windows

Connected to Database

- Closed Connection
- Queried the Database (Insert, Update, Delete, Select)
- Access Inserted Query ID
- Process the Data that was Returned

PDO Example