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□ <https://www.apachefriends.org/>

Apache Friends

下載 擴展 Hosting 社區 關於

搜尋..

搜尋

ZH TW



XAMPP Apache + MariaDB + PHP + Perl

什麼是XAMPP？

XAMPP是最流行的PHP開發環境

XAMPP是完全免費且易於安裝的Apache發行版本，其中包含MariaDB、PHP和Perl。XAMPP開放源碼套件的設置讓安裝和使用出奇容易。



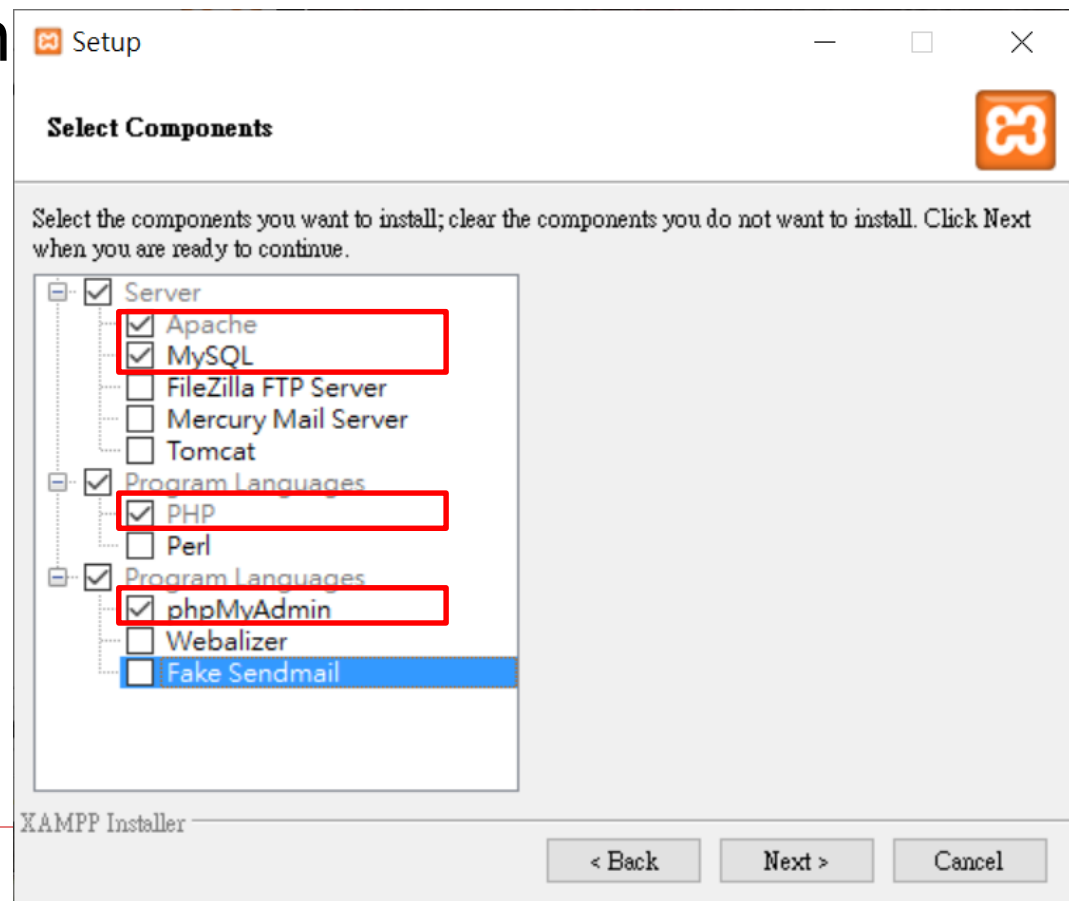
下載
按一下這裡獲得其他版本

 XAMPP for **Windows**
8.0.2 (PHP 8.0.2)

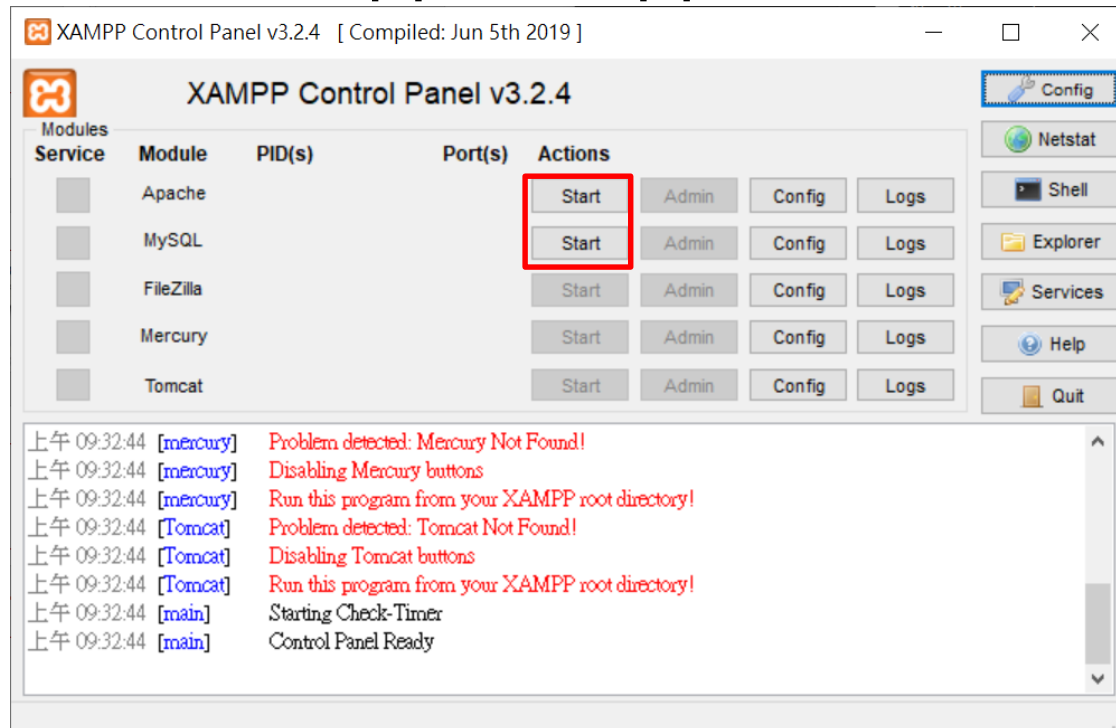
 XAMPP for **Linux**
8.0.2 (PHP 8.0.2)

 XAMPP for **OS X**
8.0.2 (PHP 8.0.2)

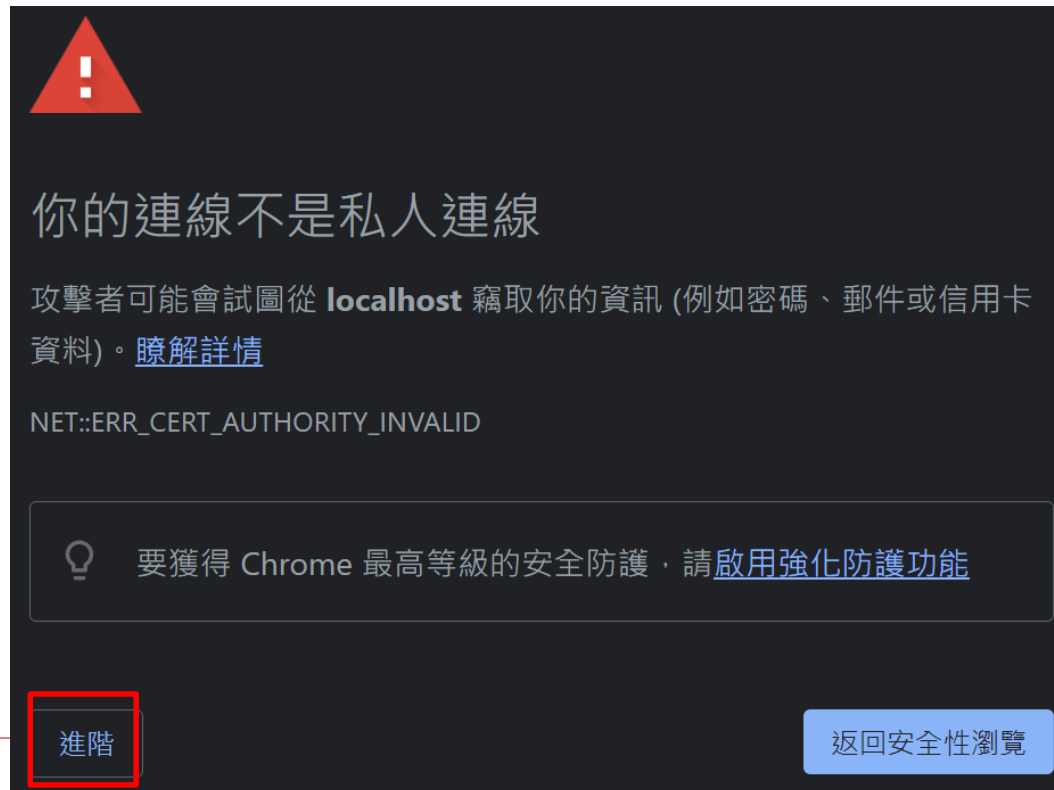
☐ Install Apache, MySQL (MariaDB), PHP and phpMyAdmin



- ❑ The default directory is c:\xampp
- ❑ Execute c:\xampp\xampp-control.exe



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- Go to https://localhost
 - In Chrome





你的連線不是私人連線

攻擊者可能會試圖從 **localhost** 竊取你的資訊 (例如密碼、郵件或信用卡資料)。 [瞭解詳情](#)

NET::ERR_CERT_AUTHORITY_INVALID



要獲得 Chrome 最高等級的安全防護，請[啟用強化防護功能](#)

隱藏詳細資料

返回安全性瀏覽

伺服器無法證明其屬於 **localhost** 網域；其安全性憑證未取得你電腦作業系統的信任。這可能是因為設定錯誤，或有攻擊者攔截你的連線所致。

[繼續前往 localhost 網站 \(不安全\)](#)

☐ Go to phpMyAdmin

Apache Friends

Applications

FAQs

HOW-TO Guides

PHPInfo

phpMyAdmin



XAMPP Apache + MariaDB + PHP + Perl

Welcome to XAMPP for Windows 8.0.2

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

phpMyAdmin

The screenshot displays the phpMyAdmin interface for a database server at 127.0.0.1. The top navigation bar includes tabs for '資料庫' (Databases), 'SQL', '狀態' (Status), '使用者帳號' (User accounts), '匯出' (Export), '匯入' (Import), '設定' (Settings), '備援' (Backup), '變數' (Variables), and '更多' (More). The left sidebar shows a tree view of databases: 'examdb', 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The main content area is divided into two panels: '一般設定' (General settings) and '外觀設定' (Appearance settings). The '一般設定' panel shows the '伺服器連線編碼與排序' (Server connection encoding and collation) set to 'utf8mb4_unicode_ci'. The '外觀設定' panel shows the '語言 - Language' set to '中文 - Chinese traditional' and the '佈景主題' (Theme) set to 'pmahomme'. On the right, a '資料庫伺服器' (Database server) panel lists server details: '伺服器: 127.0.0.1 via TCP/IP', '伺服器類型: MariaDB', '伺服器連線: 未有使用 SSL', '伺服器版本: 10.4.17-MariaDB - mariadb.org binary distribution', '協定版本: 10', '使用者: root@localhost', and '伺服器字元集: cp1252 West European (latin1)'.

phpMyAdmin

伺服器: 127.0.0.1

資料庫 SQL 狀態 使用者帳號 匯出 匯入 設定 備援 變數 更多

最近使用 最愛

新增

- examdb
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

一般設定

伺服器連線編碼與排序: utf8mb4_unicode_ci

更多設定

外觀設定

語言 - Language: 中文 - Chinese traditional

佈景主題: pmahomme

資料庫伺服器

- 伺服器: 127.0.0.1 via TCP/IP
- 伺服器類型: MariaDB
- 伺服器連線: 未有使用 SSL
- 伺服器版本: 10.4.17-MariaDB - mariadb.org binary distribution
- 協定版本: 10
- 使用者: root@localhost
- 伺服器字元集: cp1252 West European (latin1)

-
- ❑ Create the directory **myapp** in c:\xampp\htdocs
 - ❑ Create the file index.php in c:\xampp\htdocs\myapp
 - ❑ Go to <https://localhost/myapp/index.php>

User Name:

Password:

[Sign Up](#)

Redirecting HTTP to HTTPS

- ❑ Create the file .htaccess with the following content in c:\xampp\htdocs

RewriteEngine On

RewriteCond %{SERVER_PORT} 80

RewriteRule ^(.*)\$ https://localhost/\$1 [R,L]

Debugging PHP

-
- ❑ Xdebug is an extension for PHP, and provides a range of features to improve the PHP development experience.
 - Step debugging, profiling ...
 - <https://xdebug.org/>
 - ❑ Download Xdebug
 - <https://xdebug.org/download>
 - ❑ Move **php_xdebug-3.0.3-8.0-vs16-x86_64.dll** to `c:\xampp\php\ext`



□ Append the following settings to
c:\xampp\php\php.ini

[XDebug]

zend_extension = "c:\xampp\php\ext\php_xdebug-3....x86_64.dll"

xdebug.mode=debug

xdebug.start_with_request=yes

xdebug.remote_handler = "dbgpc"

xdebug.client_host = "127.0.0.1"

xdebug.client_port = 9000

; For the case that the client and the web server are not
; in the same machine

;xdebug.discover_client_host=true

;xdebug.log="c:\xampp\tmp\xdebug.txt" ;Optional

;xdebug.output_dir = "c:\xampp\tmp" ;Optional

xdebug.idekey="codeliteide"

Note: The settings of Xdebug 3 and Xdebug 2 are different.

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- ❑ Create a PHP program with the following source code

```
<?php  
    phpinfo();  
?>
```

- ❑ The result of the above program should contains the following messages

This program makes use of the Zend Scripting Language Engine:
Zend Engine v4.0.2, Copyright (c) Zend Technologies
with Xdebug v3.0.3, Copyright (c) 2002-2021, by Derick Rethans

zend®engine

xdebug



Version

3.0.3

[Support Xdebug on Patreon, GitHub, or as a business](#)

| Enabled Features (through 'xdebug.mode' setting) | | |
|---|------------------|----------------------|
| Feature | Enabled/Disabled | Docs |
| Development Aids | X disabled | Docs |
| Coverage | X disabled | Docs |
| GC Stats | X disabled | Docs |
| Profiler | X disabled | Docs |
| Step Debugger | ✓ enabled | Docs |
| Tracing | X disabled | Docs |

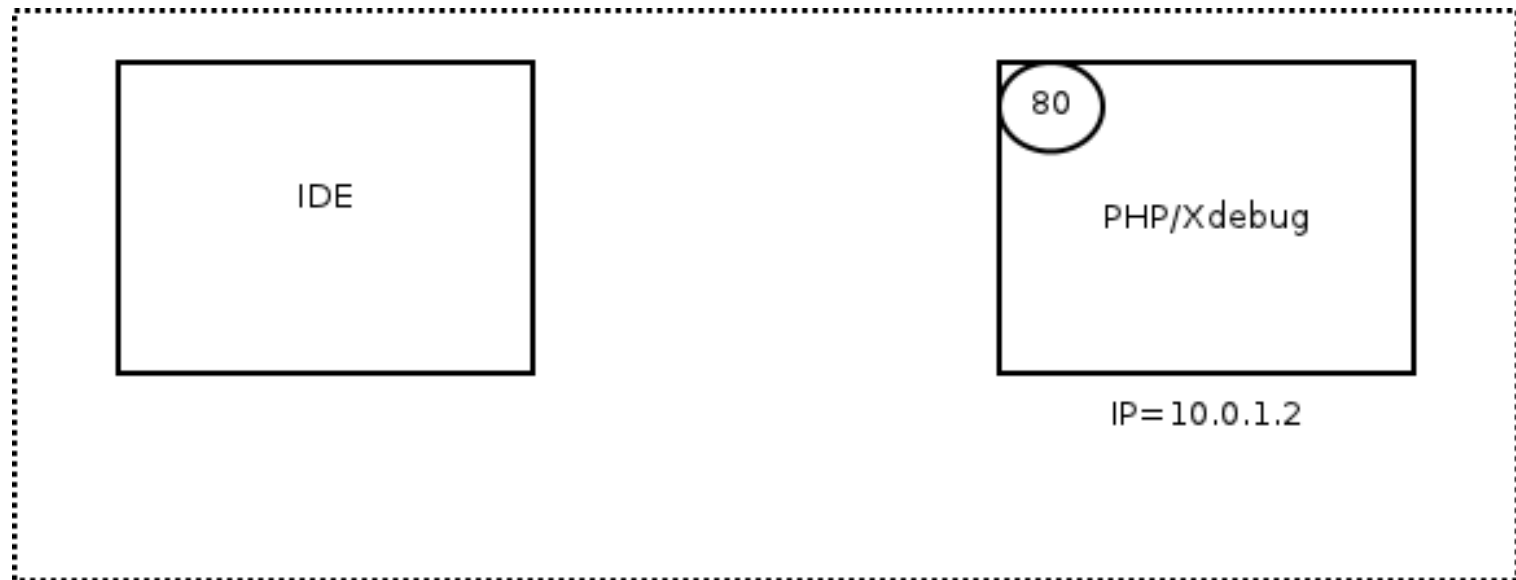
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- ❑ Xdebug is supported by several PHP IDEs such as Eclipse, Netbeans, VS Code, CodeLite...
 - ❑ CodeLite is an open source, free, cross platform IDE specialized in C, C++, PHP and JavaScript (mainly for backend developers using Node.js) programming languages

- <https://codelite.org/>



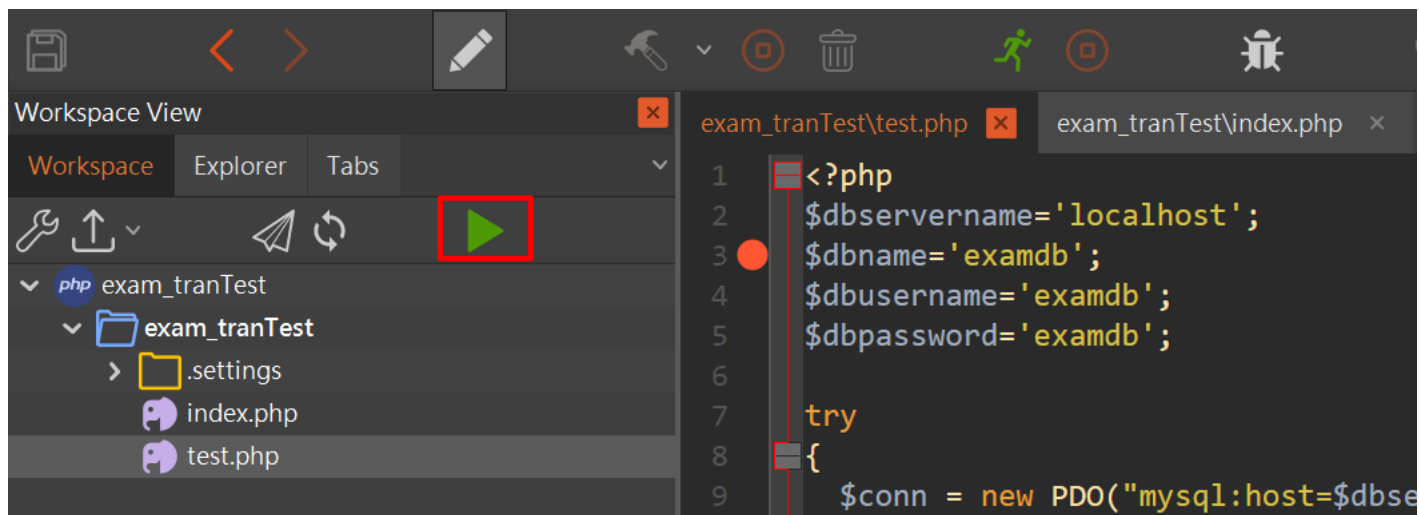
Debugging as Web Application

- The mechanism of Xdebug
 - Note that the settings in the following figure is for Xdebug 2



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- ❑ Many web pages use Xdebug 2 as an example to show how to debug PHP programs
 - ❑ The settings of Xdebug 2 and 3 are different
 - ❑ Guide to upgrade from Xdebug 2 to 3
 - https://xdebug.org/docs/upgrade_guide

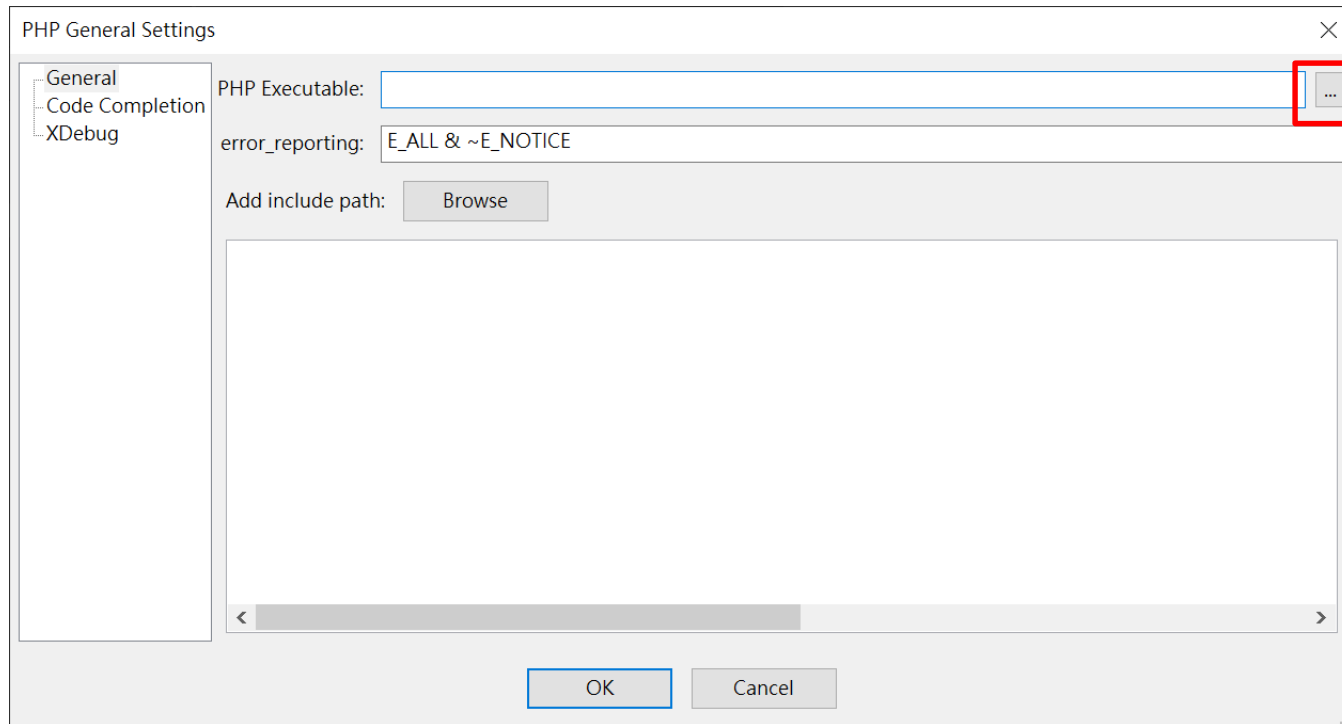
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- ❑ Ask CodeLite to wait the connection from Xdebug.

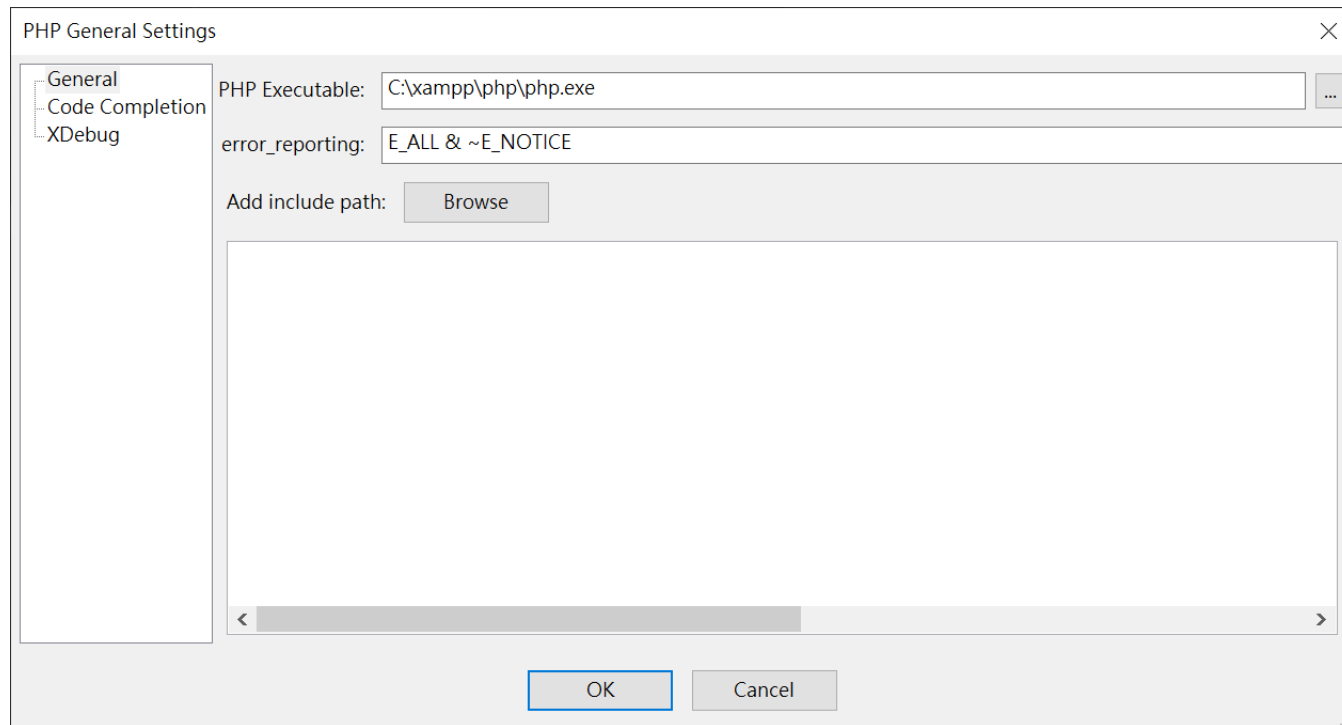


- ❑ Execute the application by browser

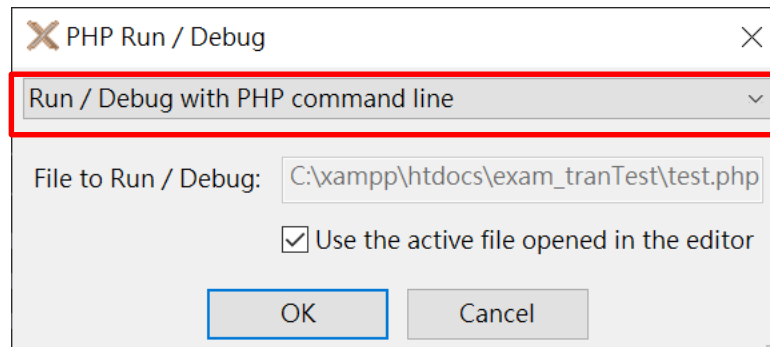
Debugging with Command Line

□ PHP→PHP Settings...





❑ Debugger→Start/Continue Debugger



Debugging JavaScript

- ❑ Firefox developer tools

- <https://developer.mozilla.org/en-US/docs/Tools>

- ❑ Firefox browser developer edition

- <https://www.mozilla.org/en-US/firefox/developer/>

- ❑ Chrome developer tools

- <https://javascript.info/debugging-chrome>