How to install GreyOS locally

This document will show you how to install and run GreyOS from the Github repository to your computer. I assume you have a modern windows operating system like Windows, Linux or Mac.

Requirements

Basic knowledge of CMD commands. Refer to [this](#) for more help.

Software to install

XAMPP

To install XAMPP, please follow this guide:

[How_to_Install_XAMPP_8.1.6_Server_on_Windows_10/11_[2022_Update]_Run_PHP_Program_|_Complete guide](#)

Git

To install XAMPP, please follow this guide:

[How to install Git on Windows 10 | Updated 2022](#)

After the installations, follow these steps

1. Go to where you installed xampp and into the htdocs folder. For me it's "C:\xampp\htdocs". By "go", I mean use the CMD or Powershell command line programs, like this: "cd C:\xampp\htdocs".
2. Then type into the terminal the command: "git clone https://github.com/g0d/GreyOS/ localgreyos".
3. Then open the file called "httpd-vhosts.conf". For me, this is in the location: "C:\xampp\apache\conf\extra". Open the file with Notepad and with Administrator privileges.
4. Add the following code in this file:
   ```
   <VirtualHost *:443>
       DocumentRoot "C:/xampp/htdocs/localgreyos/Code"
           ServerName http://greyos.local
           <Directory "C:/xampp/htdocs/localgreyos/Code">
                   Options All
                   AllowOverride All
                   Require all granted
           </Directory>
           SSLEngine on
           SSLCertificateFile "conf/ssl.crt/server.crt"
           SSLCertificateKeyFile "conf/ssl.key/server.key"
   </VirtualHost>
   ```

5. Go to the hosts file. For me this is located in: "C:\Windows\System32\drivers\etc". Open the file with Notepad and with Administrator privileges.
6. Add the following line in the hosts file: "127.0.0.1   greyos.local"
7. Start the Apache web server in XAMPP
8. Open your browser and go this address: "https://greyos.local/"

Common problems

Problems you might face and their fixes

1. If git has errors. Make sure you have installed git properly. I suggest uninstalling and reinstalling. Also try to restart your pc.
2. If you can't open a file as admin, try to copy the file to your desktop, open and edit it there, and then copy-paste it back to its original location.
3. Make sure the file names and the folder names that you have in your system match 100% to the names in this guide. For example make sure the downloaded source code is saved in a folder called "localgreyos" and make sure the content of this root folder has the same as in the github repository.

Contact the author of the article

For further questions, issues, or improvements of this guide

Email: alexandros.kourtis@acg.edu
Phone: 6989442438
Facebook: [Alexandros Maltezos | Facebook](#)