

Setting up the environment for URL rewrites

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To enable the actual URL rewrites, set up the environment as follows:

1. Install the Apache HTTP Server.
2. Activate the `mod_rewrite` module (rewrite requested URLs on the fly).
3. Create and allow to use the `.htaccess` file.

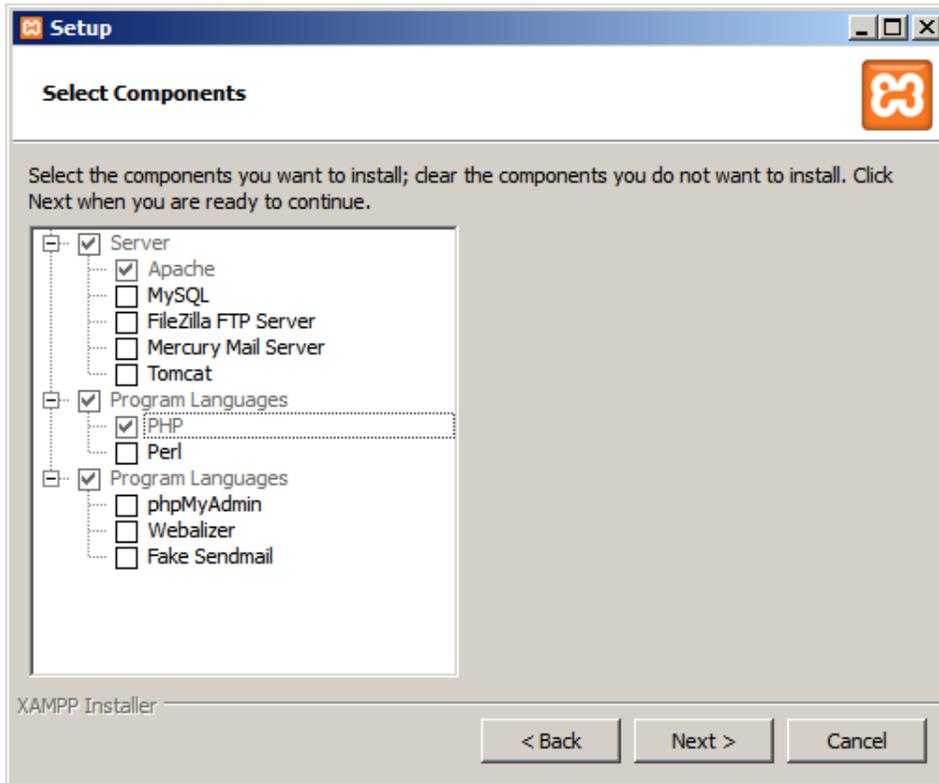
Setting up the environment on Windows

To install the Apache HTTP Server

1. Go to <https://www.apachefriends.org/download.html>.
2. Download to your computer the installer of the latest XAMPP version for Windows. For this, click the **Download (32 bit)** button.
3. Start the installation. The XAMPP Setup Wizard opens.

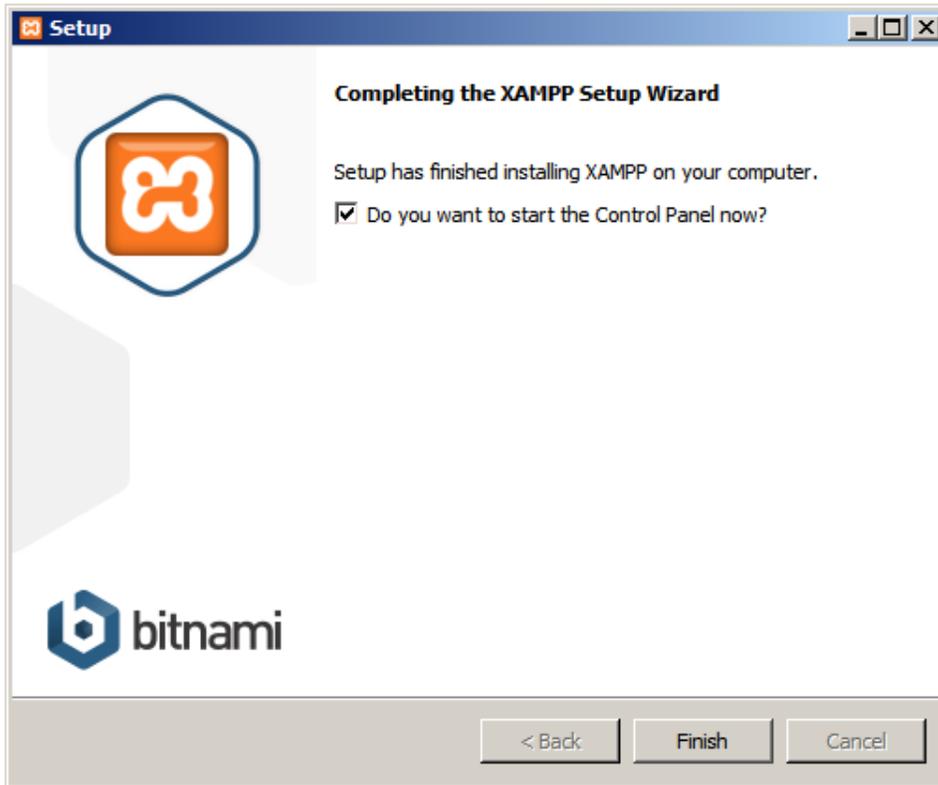
Since the Apache HTTP Server runs by default on the 80 port, make sure Cameo Collaborator (Alfresco Community) is installed on another port, for example, 81.

4. In the **Select Components** step, specify the components you want to install together with XAMPP:
 - Under **Server**, select the **Apache** check box only.
 - Under **Program Languages**, select the **PHP** check box only.



5. In the **Installation folder** step, specify where to store the installation files, for example, `C:\xampp`.
6. In the **BitNami for XAMPP** step, click to clear the **Learn more about BitNami for XAMPP** check box.

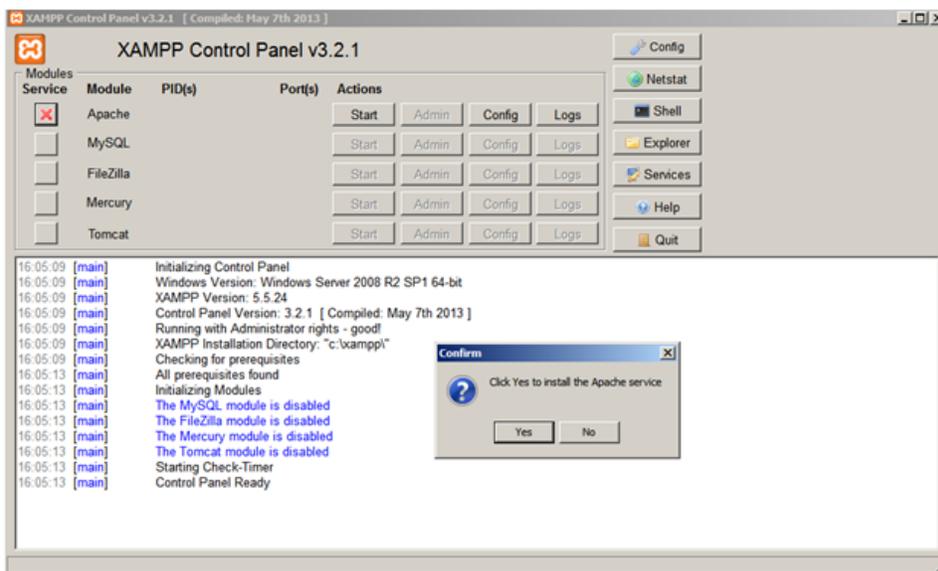
7. Wait while the XAMPP installation is completed, make sure the **Do you want to start the Control Panel now?** check box is selected, and click **Finish** to open the XAMPP Control Panel instantly.



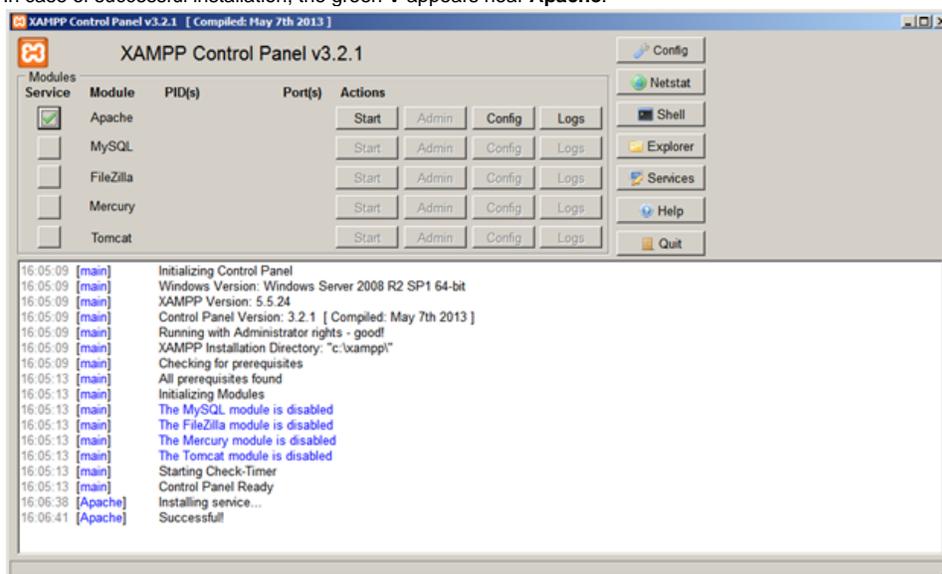
Open the XAMPP Control Panel later, double-click the XAMPP Control Panel icon on your desktop, or select **Start > All Programs > XAMPP > XAMPP Control Panel**.

8. By default, the Apache Server is not installed as a Windows service. Thus, you have to do this manually via the XAMPP Control Panel. For this, click the red X button near **Apache** and then click **Yes** in the message prompting for your confirmation.

Ensure you run the XAMPP Control Panel as administrator.



9. In case of successful installation, the green V appears near **Apache**.



10. To start the server, do either:
- Restart your computer.
 - In the XAMPP Control Panel, click the **Start** button near **Apache**.

To activate the `mod_rewrite` module

- Open `<XAMPP installation folder>\apache\conf`, for example, `C:\xampp\apache\conf`.
- Open the `httpd.conf` file for edit.
- Find the following line:

```
#LoadModule rewrite_module modules/mod_rewrite.so
```

- Remove the pound (#) sign from that line to uncomment it.
- Find all occurrences of

```
AllowOverride None
```

- Replace them with

```
AllowOverride All
```

- Save and close the `httpd.conf` file.
- Restart your computer.

To create and allow to use the `.htaccess` file

- Open Notepad.
- Append the new document with the following line - this command allows rewriting URLs:

```
RewriteEngine On
```

- Save the document as `.htaccess` to `<XAMPP installation folder>\htdocs` (the default Apache website root directory), for example, `C:\xampp\htdocs`.

 The `.htaccess` file cannot be created by right-clicking an empty place in the specified folder and selecting **New > Text Document**.

- Close the document.

Setting up the environment on Linux

To setup the environment for URL rewrites

1. Connect to the remote server using SSH or open the terminal directly.
2. Install the Apache HTTP Server.



Since the Apache HTTP Server runs by default on the 80 port, make sure Cameo Collaborator (Alfresco Community) is installed on another port, for example, 81.

3. Activate the `mod_rewrite` module with the following command:

```
a2enmod rewrite
```

4. Go to the default Apache website root directory.
5. Create the `.htaccess` file.
6. Set the file access permission for all non-root users so that they could edit the file.



The non-root users must be in the same users group as the Apache HTTP Server process.



If the Apache server process runs as the `www-data` user, the non-root users must be in the `www-data` users group.

7. Open the `.htaccess` file for edit. The following command makes the `.htaccess` file editable by the `www-data` users group:
8. Append the file contents with the following line - this command allows rewriting URLs:

```
chown www-data:www-data .htaccess  
RewriteEngine On
```

9. Save and close the file.

Related pages

- [Administrator Guide](#)
- [Producing an easy-to-remember URL](#)