**Documentation for Installing Drupal Using XAMPP**

**Step 1: Download and Install XAMPP**

1. Go to the XAMPP website ([Download XAMPP (apachefriends.org)](https://www.apachefriends.org/download.html)).
2. Download the XAMPP installer for your operating system.
3. Run the installer and follow the on-screen instructions to install XAMPP.

**Step 2: Start Apache and MySQL**

1. Open the XAMPP Control Panel.
2. Start the Apache and MySQL services by clicking the "Start" buttons next to each service.

**Step 3: Download Drupal**

1. Go to the Drupal website. ([Download Drupal | Drupal.org](https://www.drupal.org/download))
2. Download the latest version of Drupal.

**Step 4: Extract Drupal Files**

1. Extract the downloaded Drupal archive.
2. Copy the extracted Drupal folder to the htdocs directory inside your XAMPP installation directory (e.g., C:\xampp\htdocs\).

**Step 5: Create a Database for Drupal**

1. Open your web browser and go to http://localhost/phpmyadmin.
2. Click on the "Databases" tab.
3. Enter a name for your database (e.g., drupal\_db) and click "Create".

**Step 6: Configure Drupal**

1. Open your web browser and go to http://localhost/drupal (or the name of your Drupal folder).
2. Select the language you want to use and click "Save and continue".
3. Choose the installation profile (standard is recommended) and click "Save and continue".
4. Enter the database details:
   1. Database name: drupal\_db (or the name you created)
   2. Database username: root
   3. Database password: (leave it blank, unless you set a password for MySQL)
5. Click "Save and continue".

**Step 7: Set Up Your Site**

1. Enter your site information (site name, site email address, etc.).
2. Create an admin account by entering a username, email address, and password.
3. Click "Save and continue".

**Step 8: Complete Installation**

1. Drupal will now complete the installation.
2. Once finished, you will see a success message and can log in with your admin account.

**Drupal Installation for Cloning the Repo and Setting Up the Staging Repo Locally**

**Step 1: Clone the Repository**

1. Go to the XAMPP directory -> inside XAMPP open htdocs -> open the Drupal setup folder -> go to sites and open the terminal.
2. Run:

“git clone [git@bitbucket.org:lifafa-team/drp-lifafa.git](mailto:git@bitbucket.org:lifafa-team/drp-lifafa.git) lifafa.team” (Add a folder name for the repository at the end of the command).

1. In this new folder, copy and paste the settings.php and services.yml files from the default folder in the Drupal sites folder.
2. Inside the settings.php file, add the host pattern. For example, if your local domain name is “lifafa.demo” and also configure the database here:
3. $settings['trusted\_host\_patterns'] = [
4. '^lifafa\.team$',
5. '^.+\.lifafa\.team$',
6. '^lifafa\.demo$',
7. '^.+\.lifafa\.demo$',
8. ];
9. $databases['default']['default'] = array(
10. 'database' => 'team\_lifafa',
11. 'username' => 'root',
12. 'password' => '',
13. 'prefix' => 'lifafa\_',
14. 'host' => 'localhost',
15. 'port' => '3306',
16. 'namespace' => 'Drupal\\Core\\Database\\Driver\\mysql',
17. 'driver' => 'mysql',
18. );

**Step 2: Configure Virtual Hosts**

1. Add a virtual host entry in httpd-vhost.conf (located at xampp/apache/conf/extra/httpd-vhosts.conf).
2. In this file, mention the path of your Drupal folder. This file is used to manage and run multiple sites in a single Drupal setup:
3. <VirtualHost \*:80>
4. ServerAdmin webmaster@dummy-host2.example.com
5. DocumentRoot "C:/xampp/htdocs/drp-content-management"
6. ServerName lifafa.demo
7. ErrorLog "logs/dummy-host2.example.com-error.log"
8. CustomLog "logs/dummy-host2.example.com-access.log" common
9. </VirtualHost>

**Step 3: Update the Hosts File**

1. Open Notepad as an administrator.
2. Open the hosts file located at C:\Windows\System32\drivers\etc\hosts.
3. In this file, add the hostname for your server. This should match the domain name in the settings file:
4. 127.0.0.1 lifafa.demo

**Step 4: Configure the Sites PHP File**

1. Open the sites.php file in your Drupal setup's sites domain folder (e.g., C:\xampp\htdocs\drp-content-management\sites).
2. In this file, add the site name with its folder name
3. $sites['lifafa.demo'] = 'lifafa.team';

**Step 5:**

1. Import a copy of the staging database in phpMyAdmin and use the same database as specified in the settings.php file.
2. Stop and start Apache and MySQL.
3. In your browser, go to http://lifafa.demo to open your staging server.

**Errors:** **Opcache Issue**

1. While installing Drupal locally, you may face an opcache issue in the php.ini file.
2. Open php.ini and add the following code
3. zend\_extension=C:\xampp\php\ext\php\_opcache.dll
4. opcache.enable=1
5. opcache.enable\_cli=1
6. opcache.memory\_consumption=256
7. opcache.max\_accelerated\_files=2000
8. Stop and start the server. This should resolve the issue.