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Spring 2017

Part I

XAMPP Setup

Outline I

What is XAMPP?

Installing XAMPP on Windows

Installing XAMPP on Mac OSX

Testing Your XAMPP Installation

Testing MySOL (DR) Server

Testing MySQL (DB) Server

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Emulate Domain Names: Set /system/etc/hosts file on

Android Emulator (Genymotion)

- XAMPP stands for
 - Cross-Platform(X)
 - Apache(A)
 - MySQL(M)
 - PHP(P)
 - Perl(P)
- simple, lightweight Apache distrubtion for a local web server
 - server application(Apache)
 - database(MySQL)
 - scripting language(PHP)

- Step 1. Download XAMPP https://www.apachefriends.org/index.html
- Step 2. Follow This Guide
 How to install and configure XAMPP on Windows 10
- Step 3. Configure Virtual Hosts on XAMPP How to Run Multiple Domains

Step 1. Download XAMPP https://www.apachefriends.org/index.html

Step 2. Follow How To Install XAMPP In MAC OSX And Configure Virtual Host

- Step 1. In the XAMPP control panel (or manager), click on 'Start' under 'Actions' for the Apache module. This instructs XAMPP to start the Apache webserver.
- Step 2. Open your web browser and type in: http://localhost or 127.0.0.1

Testing Your XAMPP Installation

Testing Apache server and PHP

Step 3. You should see the XAMPP start page



Welcome to XAMPP for Windows 5.6.14

translation missing: en. 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.

Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years - there is a huge community behind it. You can get involved by joining our Forums, adding yourself to the Mailing List, and liking us on Facebook, following our exploits on Twitter, or adding us to your Google+ circles.

Contribute to XAMPP translation at translate.apachefriends.org.

Can you help translate XAMPP for other community members? We need your help to translate XAMPP into different languages. We have set up a site, translate.apachefriends.org, where users can contribute translations.

Install applications on XAMPP using Bitnami

Apache Friends and Bitnami are cooperating to make dozens of open source applications available on XAMPP, for free, Bitnamipackaged applications include Wordpress, Drupal, Joomlal and dozens of others and can be deployed with one-click installers. Visit the Bitnami XAMPP page for details on the currently available apps.









Step 4. Test whether XAMPP has installed PHP successfully. To do this, fire up your plain-text editor and type the following into a new document:

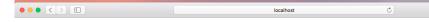
```
1 <?php
2
3     echo "Hello world";
4
5 ?>
```

hello.php

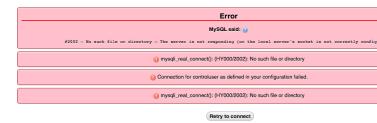
 Save this file as "hello.php" in whichever folder you installed XAMPP.

Step 5. Navigate to localhost/hello.php. You should see the "Hello World" message.

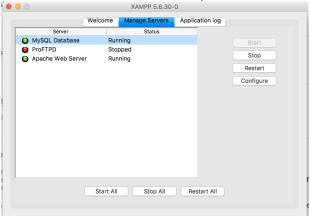
• When MySQL server is not running correctly, you would see



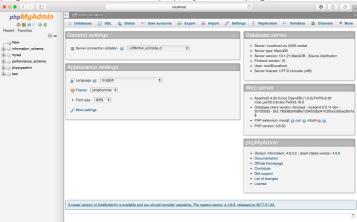
Welcome to phpMyAdmin



 In the XAMPP control panel (or manager), click on 'Start' under 'Actions' for the MySQL Database module. This instructs XAMPP to start the MySQL Database server.



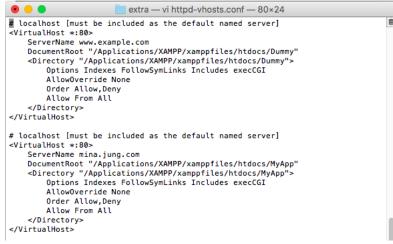
 Open your web browser and type in: http://localhost or 127.0.0.1 and select phpMyAdmin from the XAMPP start page. You should see the phpMyAdmin page.



- Virtual Hosting: Apache makes it easy to have multiple websites or web applications running on the same physical server, and access each using a custom domain name
 - each virtual host can be mapped to a different subdirectory of the server
- Steps to create a virtual host
- Step 1. Open a new terminal and ensure you are logged in as an administrator
- Step 2. Change to your XAMPP installation directory and open the httpd.conf file in the etc/ subdirectory using a text editor
- Step 3. Within the file, find the following line and uncomment it by removing the hash symbol (#) at the beginning of the line

Include etc/extra/httpd-vhosts.conf

Step 4. Open the httpd-vhosts.conf file in the etc/extra/ subdirectory and add new virtual hosts



Step 5. Restart Apache using the XAMPP control panel for your changes to take effect

 Map the custom domain to the local IP address. To do this, open the /etc/hosts file and add new domains

```
••
                         mina — vi /etc/hosts — 80×19
# Host Database
# localhost is used to configure the loopback interface
# when the system is booting. Do not change this entry.
##
127.0.0.1
               localhost
255.255.255.255 broadcasthost
::1
               localhost
fe80::1%lo0 localhost
127.0.0.1 Minas-MacBook-Air.local # added by Apache Friends XAMPP
10.1.16.202
               www.example.com
10.1.16.202
               mina.jung.com
```

LADB - Android Debug Bridge(adb)

- included in the Android SDK Platform-Tools package, which would be installed at android_sdk/platform-tools/
- Confirm that your host computer is connected to the target device:

```
$ adb devices
List of devices attached
device_ip_address:5555 device
```

- Add adb to Path Environment Variable
 - Windows System Properties's Advanced Tab
 - click Environment Variables
 - edit Path of System variables

- Change the hosts(Virtual Domain Info) file on Android Device or Emulator (Genymotion)

 ADB Android Debug Bridge(adb)
 - Mac update .bash_profile and apply the updated environment variable (\$source .bash_profile)



 To see the emulator in the adb devices output, stop the adb server, and then start it again after using the emulator command and before using the adb devices command, as follows: ADB - Android Debug Bridge(adb)

```
$ adb kill-server
$ emulator -avd Nexus_6_API_25 -port 5557
$ adb start-server
$ adb devices
List of devices attached
emulator-5557 device
```

- Copy files to/from a device
 - To copy a file or directory and its sub-directories from the device

```
$adb pull remote local
```

To copy a file or directory and its sub-directories to the device

```
$adb push local remote
```

 Remount the /system, /vendor, and /oem partitions in read-write mode

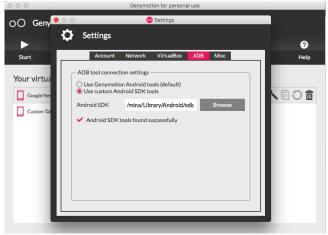
\$adb	remount	

Restart adbd with root permissions

\$adb root

- Change the hosts(Virtual Domain Info) file on Android Device or Emulator (Genymotion)
 - Emulate Domain Names: Set /system/etc/hosts file on Android Emulator (Genymotion)

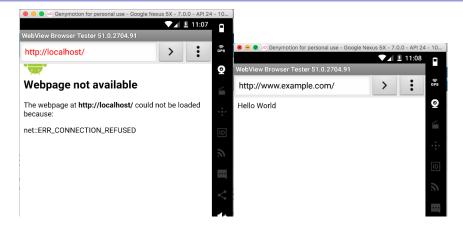
• set custom ADB (Android Studio SDK's adb) on Genymotion



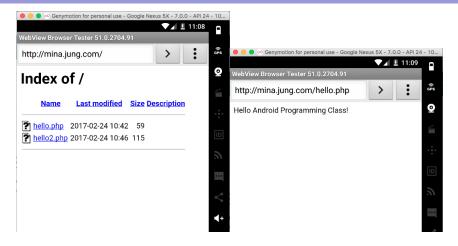
- —Change the hosts(Virtual Domain Info) file on Android Device or Emulator (Genymotion)
 - Emulate Domain Names: Set /system/etc/hosts file on Android Emulator (Genymotion)
 - Get your host machine's IP address
 - on Windows: ipconfig
 - on Unix (Mac or Linux): ifconfig
 - Update your local hosts file (/etc/hosts)
 - Update hosts file on Adroid (/system/etc/hosts)

```
$adb root
$adb remount
$adb push /etc/hosts /system/etc/hosts
```

- Change the hosts(Virtual Domain Info) file on Android Device or Emulator (Genymotion)
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