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Third Year B. Tech., Sem V 2021-22

Programming Lab 3

Practical No- 4

PRN/ Roll No: 2019BTECS00064

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Batch: T2

Title of Practical: To install and configure web server

Problem Statement 1:

1. Install a web server on your machine. Run the server locally.

Ans:

Download

XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

Version	Checksum	Size
7.3.30 / PHP 7.3.30	md5 sha1	158 Mb
7.4.23 / PHP 7.4.23	md5 sha1	160 Mb
8.0.10 / PHP 8.0.10	md5 sha1	161 Mb

Requirements Add-ons More Downloads »

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms here.

Documentation/FAQs

There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question that's not answered here? Try the Forums or Stack Overflow.

- Linux FAQs
- Windows FAQs
- OS X FAQs
- OS X XAMPP-VM FAQs

Add-ons

WordPress

Bitnami provides a free all-in-one tool to install WordPress on top of XAMPP. Visit Bitnami XAMPP to...

Cookie Settings

Show all

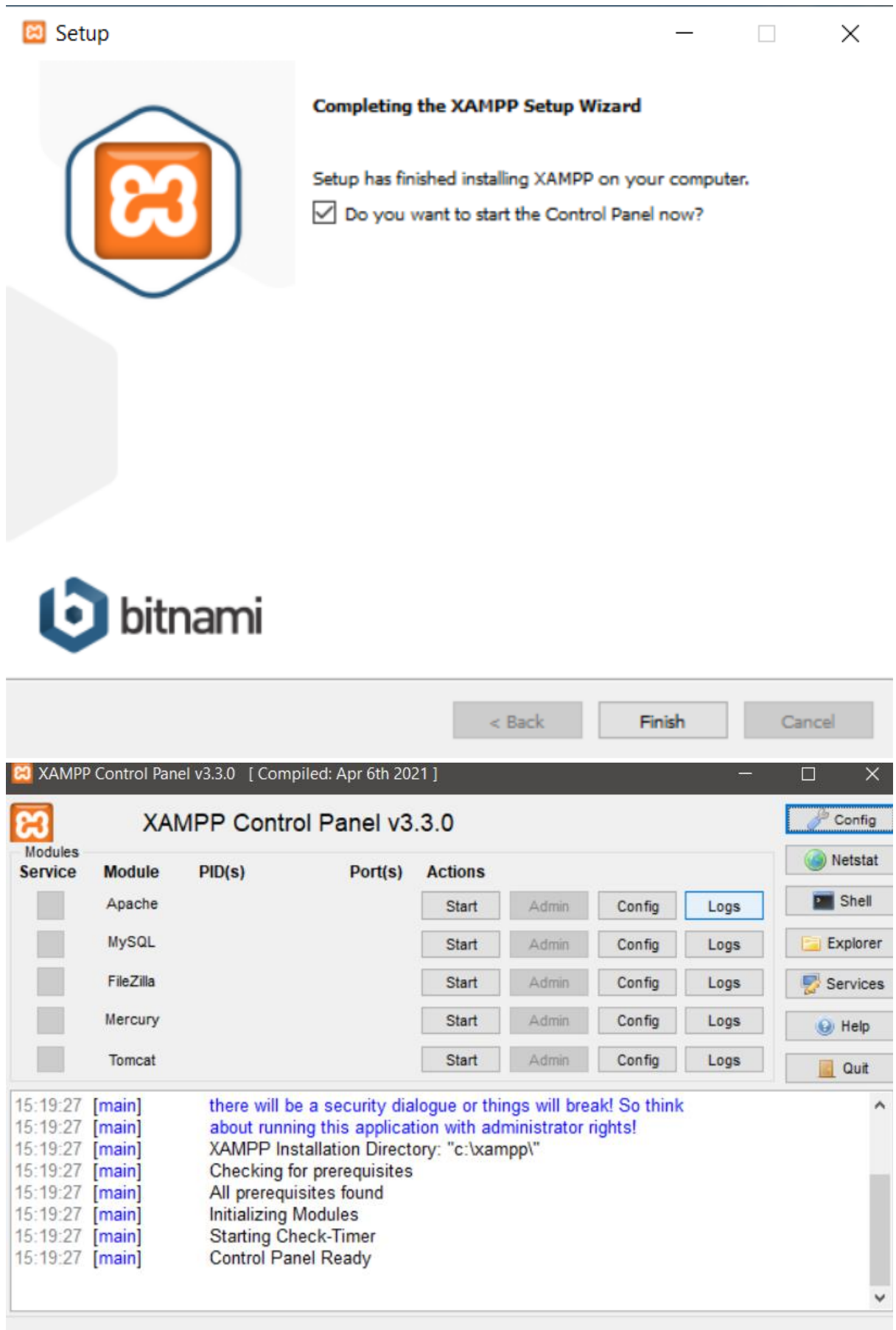
Setup

Setup - XAMPP

Welcome to the XAMPP Setup Wizard.

bitnami

< Back Next > Cancel



3. Change the port number in the configuration file to any other valid port number. Re-run the server locally using newly assigned port number.

Ans:

Old Port Number:

```
# directive.
#
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 80

#
# Dynamic Shared Object (DSO) Support
#
# To be able to use the functionality of a module which was built as a
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are
# Statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
#
# Example:
# LoadModule foo_module modules/mod_foo.so
#
LoadModule access_compat_module modules/mod_access_compat.so
LoadModule actions_module modules/mod_actions.so
LoadModule alias_module modules/mod_alias.so
LoadModule allowmethods_module modules/mod_allowmethods.so
```

New Port Number

```
..
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 8012
|
#
# Dynamic Shared Object (DSO) Support
#
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
#
# Example:
# LoadModule foo_module modules/mod_foo.so
#
LoadModule access_compat_module modules/mod_access_compat.so
LoadModule actions module modules/mod actions.so
```

Old SSL port

```
# When we also provide SSL we have to listen to the
# standard HTTP port (see above) and to the HTTPS port
#
Listen 443

##
##  SSL Global Context
##
##  All SSL configuration in this context applies both to
##  the main server and all SSL-enabled virtual hosts.
##

#  SSL Cipher Suite:
#  List the ciphers that the client is permitted to negotiate,
#  and that httpd will negotiate as the client of a proxied server.
#  See the OpenSSL documentation for a complete list of ciphers, and
```

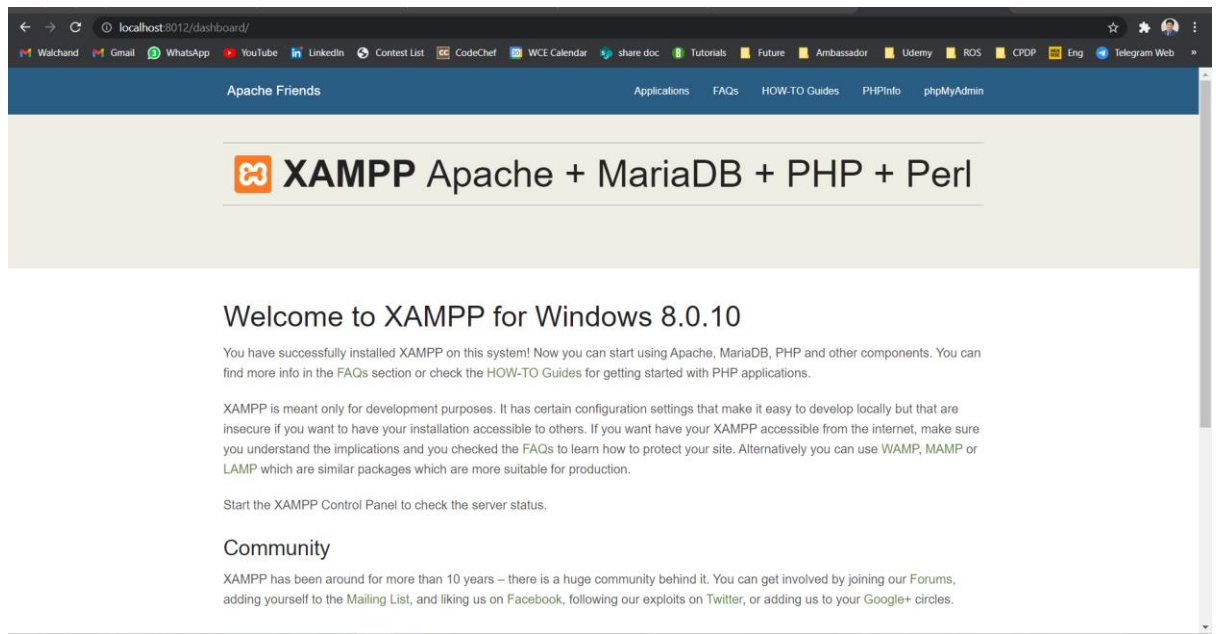
New SSL port

```
#
# When we also provide SSL we have to listen to the
# standard HTTP port (see above) and to the HTTPS po
#
Listen 4431

##
##  SSL Global Context
##
##  All SSL configuration in this context applies bo
##  the main server and all SSL-enabled virtual host
##

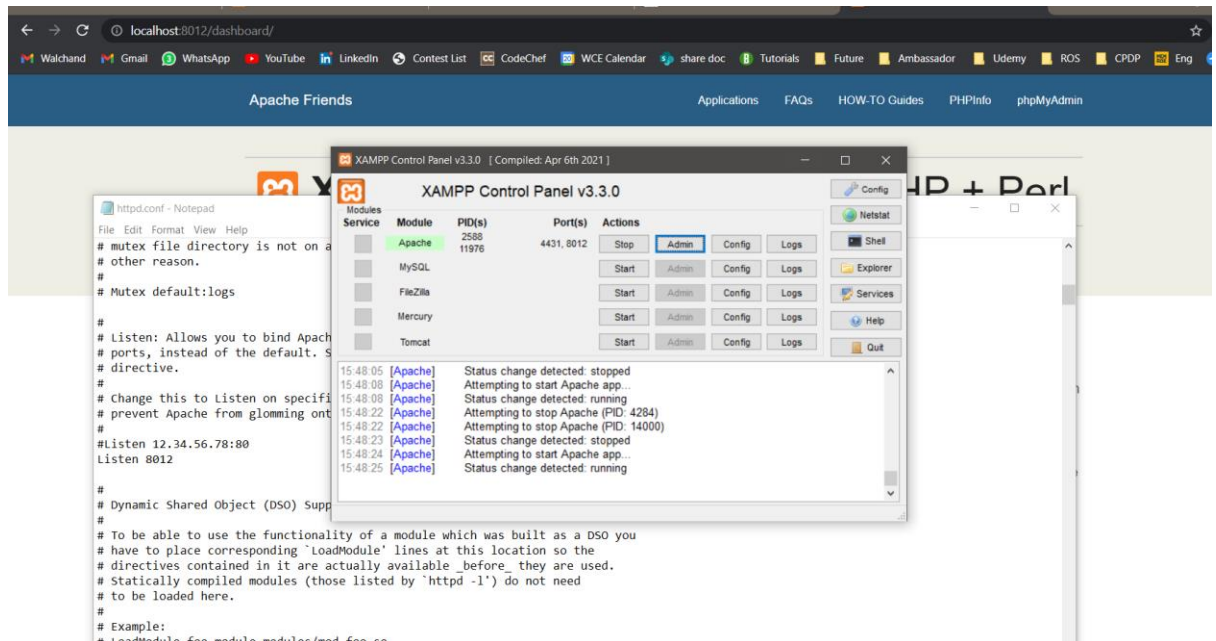
#  SSL Cipher Suite:
#  List the ciphers that the client is permitted to
#  and that httpd will negotiate as the client of a
#  See the OpenSSL documentation for a complete lis
#  ensure these follow appropriate best practices f
#  httpd 2.2.30, 2.4.13 and later force-disable aNU
#  while OpenSSL disabled these by default in 0.9.8
SSLCipherSuite HIGH:MEDIUM:!MD5:!RC4:!3DES
SSLProxyCipherSuite HIGH:MEDIUM:!MD5:!RC4:!3DES
<
```


Running server with new port number

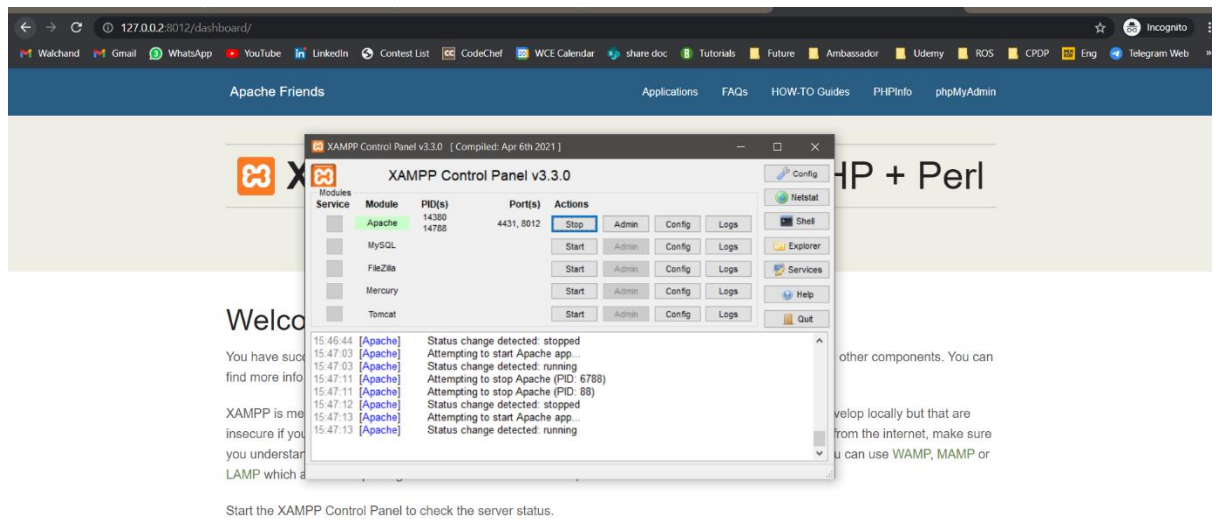


4. Change the default IP address (127.0.0.1 or localhost) and port number of the server in the configuration file to any other valid IP address and port number. Re-run the server and access it in a network from another machine.

Ans:



Running Server with old IP address(localhost)



Community

Running Server with New IP address (127.0.0.2 with port 8012)