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Kelompok : A12.6401U  
Mata Kuliah : Pemrograman Web

## Instalasi PHP, Web Server (Apache) dan MySQL

### 1. Unduh Apache

- Dengan membuka link yang ada dibawah ini. Seperti gambar berikut.

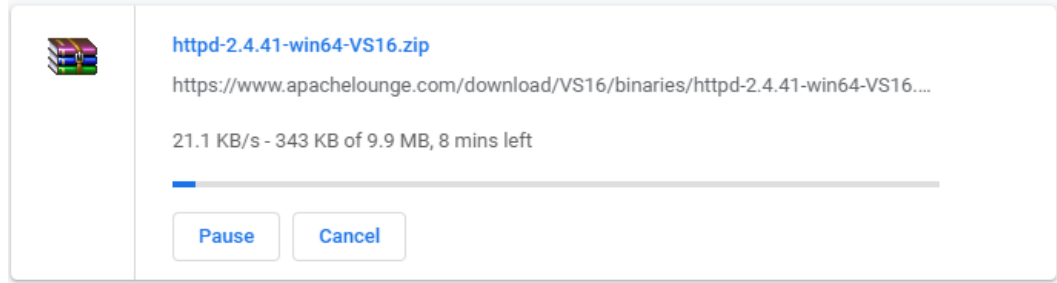
<https://www.apachelounge.com/download/>

The screenshot shows the Apache Lounge website. The header includes the Apache Lounge logo and the text "Webmasters". The main content area is titled "Apache 2.4 VS16 Windows Binaries and Modules". It contains a sidebar with navigation links (Home, VS16, VC15, Additional) and a list of recent updates. The main text area provides information about the binaries, including their compatibility and build details. It also includes a section for "Apache 2.4 binaries VS16" with links to download the binaries and their checksums.

- Pilih Apache versi terbaru yaitu Apache 2.4.41 Win64 dan klik link dibawah nya untuk mengunduh.

The screenshot shows the Apache Lounge website. The header includes the Apache Lounge logo and the text "Webmasters". The main content area is titled "Apache 2.4 binaries VS16". It contains a sidebar with navigation links (Home, VS16, VC15, Additional) and a list of recent updates. The main text area provides information about the binaries, including their compatibility and build details. It also includes a section for "Apache 2.4 binaries VS16" with links to download the binaries and their checksums.

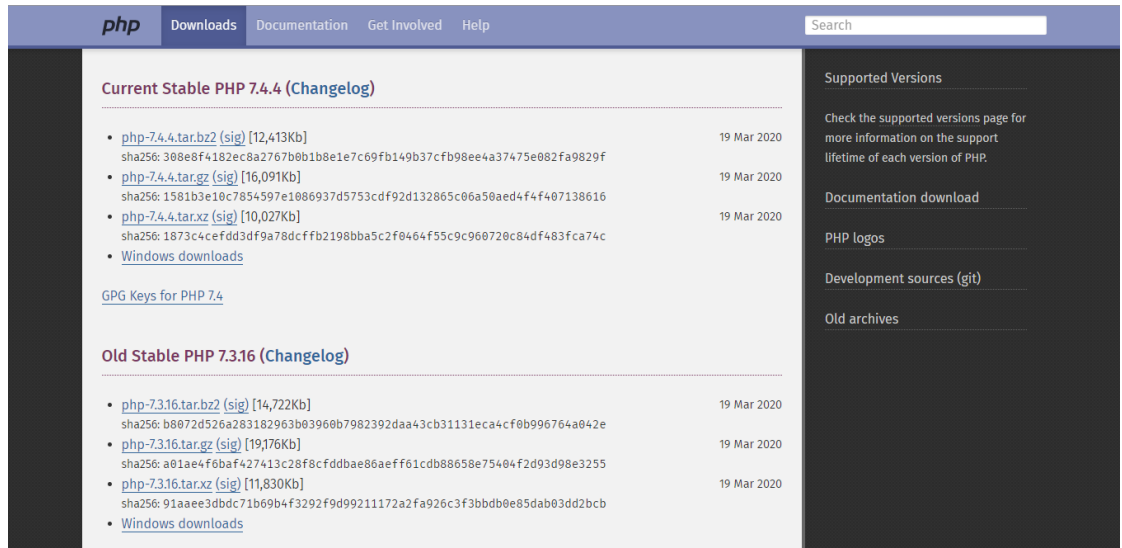
- Setelah itu, file nya akan terunduh seperti gambar berikut.



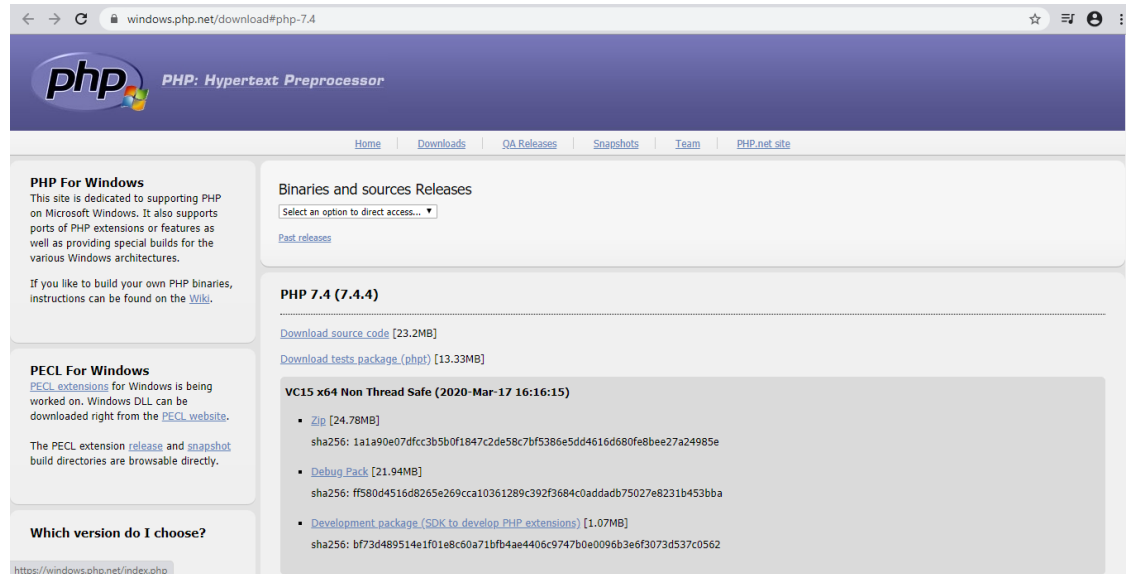
## 2. Unduh PHP

- Dengan membuka link yang ada dibawah ini. Seperti gambar berikut.

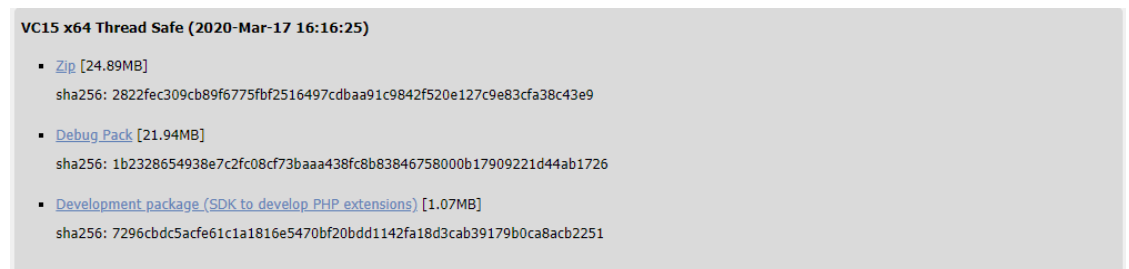
<http://php.net/downloads.php>



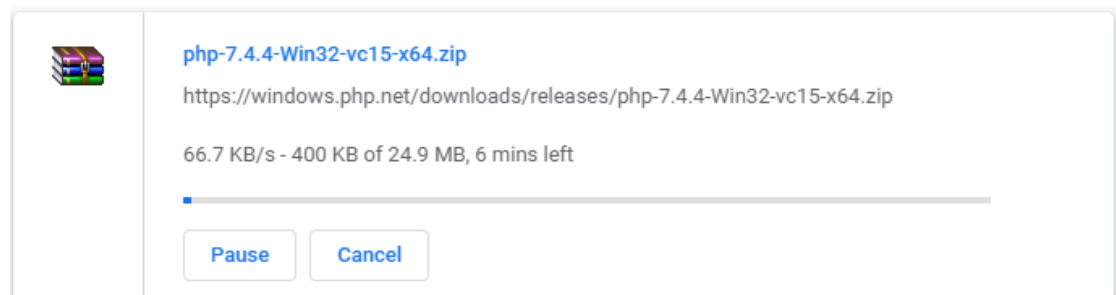
- Pilih Windows downloads (Karena sistem operasi saya windows) yang versi terbaru. Kemudian tampilan akan seperti ini.



- Kemudian sesuaikan spesifikasi dan VC (Microsoft Visual C++ Redistributable) pada komputer masing – masing. Karena komputer saya 64 bit dan sudah terinstall VC15 maka pilih yang VC15 x64 Thread Safe. Seperti gambar berikut.



- Kemudian klik “Zip” untuk mengunduh. Setelah itu filenya akan terunduh seperti gambar berikut.



- Jika komputer anda belum terinstall VC (Microsoft Visual C++ Redistributable). Anda harus download terlebih dahulu di link berikut <https://www.microsoft.com/en-us/download/details.aspx?id=48145> (untuk VC15). Seperti gambar berikut.

## Visual C++ Redistributable for Visual Studio 2015

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Select Language:

English

Download

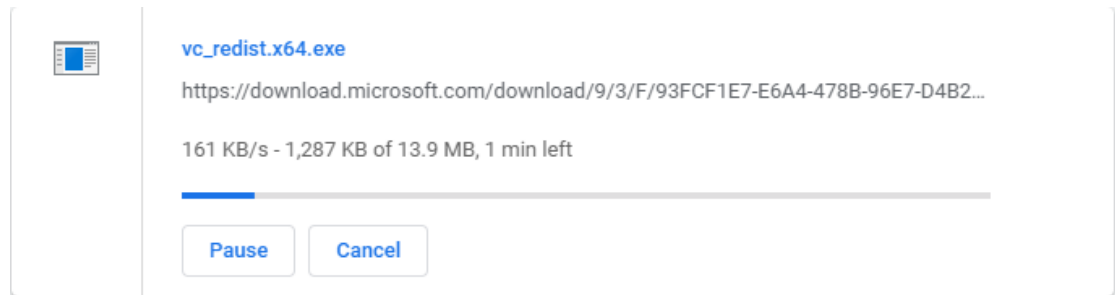
The Visual C++ Redistributable Packages install run-time components that are required to run C++ applications built using Visual Studio 2015.

- Klik “Download” dan anda akan diminta untuk mengunduh sesuai spesifikasi komputer anda. Karena saya menggunakan 64bit, maka saya mendownload dengan nama file “vc\_redist.x64.exe” seperti gambar berikut.

Choose the download you want

<input type="checkbox"/> File Name	Size
<input type="checkbox"/> vc_redist.x64.exe	13.9 MB
<input type="checkbox"/> vc_redist.x86.exe	13.1 MB

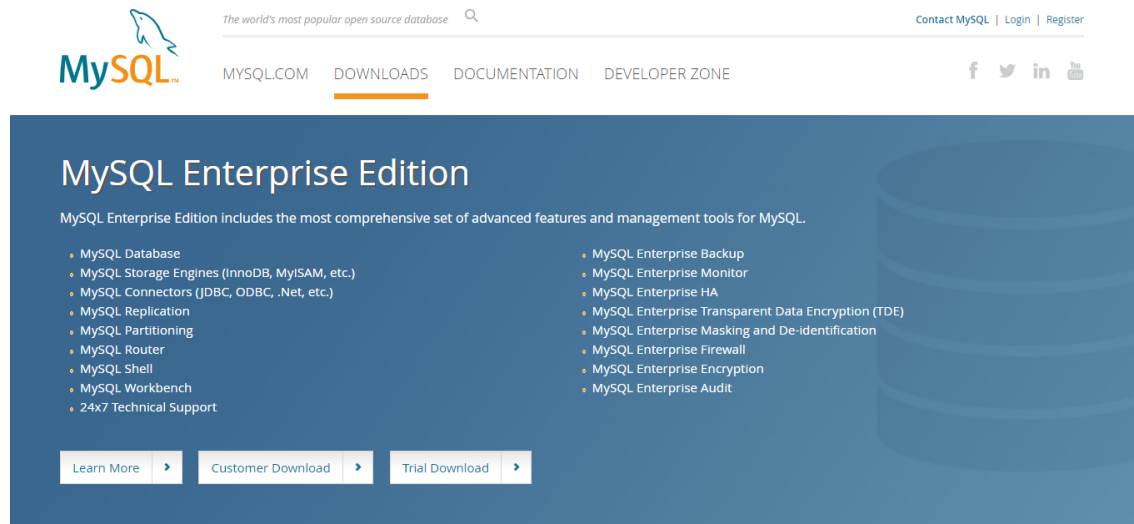
- Dan filenya akan terunduh seperti gambar berikut.



### 3. Unduh MySQL

- Dengan membuka link yang ada dibawah ini. Seperti gambar berikut

<https://www.mysql.com/downloads/>



- Pilih MySQL Community (GPL) untuk yang tidak berbayar. Seperti gambar berikut.

[MySQL Community \(GPL\) Downloads »](#)

- Kemudian pilih MySQL Installer for Windows. Seperti gambar berikut.

## MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench
- MySQL Installer for Windows
- MySQL for Excel
- MySQL for Visual Studio
- MySQL Notifier
- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
- Connector/Python
- MySQL Native Driver for PHP
- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

- Klik “Download” pada ukuran 398.9M. Seperti gambar berikut.

## MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases
Archives

### MySQL Installer 8.0.19

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.19.0.msi)	8.0.19	18.6M	<a href="#">Download</a>
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.19.0.msi)	8.0.19	398.9M	<a href="#">Download</a>

MD5: 32043776cb2239db45fddaa86dc0ad61 | Signature

MD5: 1a882015da7fb93f20c4717e63b6817c | Signature

**i** We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

- Pilih “No thanks, just start my download”. Seperti gambar dibawah ini.

## MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system


Login »  
using my Oracle Web account

Sign Up »  
for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

[No thanks, just start my download.](#)

- Dan filenya akan terunduh seperti gambar berikut



[mysql-installer-community-8.0.19.0.msi](#)

<https://cdn.mysql.com//Downloads/MySQLInstaller/mysql-installer-community-8.0.1...>

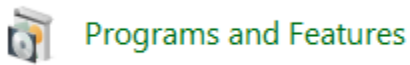
238 KB/s - 8.8 MB of 399 MB, 28 mins left

Pause

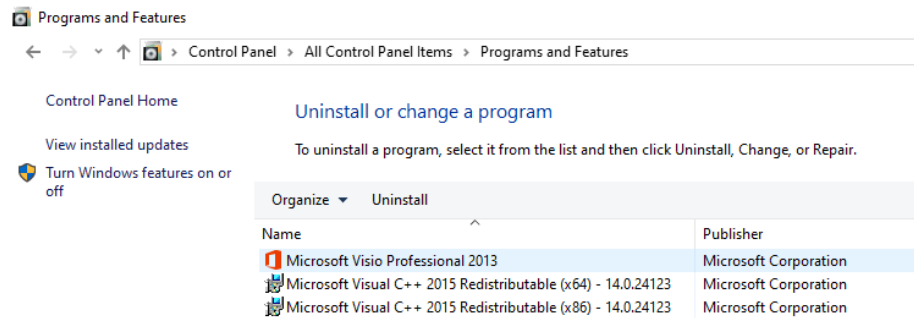
Cancel

#### 4. Cek Install Microsoft Visual C++ 2015 Redistributable


- Buka control panel, pilih Program and Features



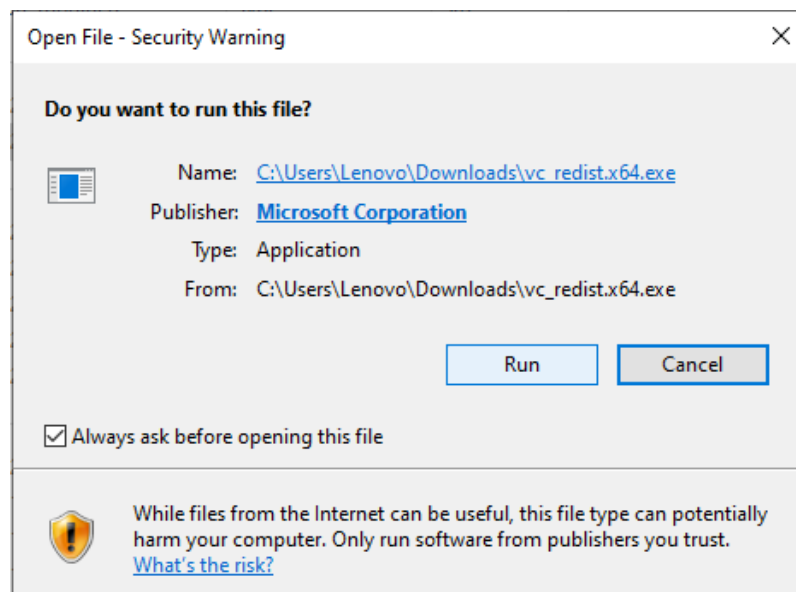
- Lalu tampilannya akan seperti ini jika sudah terinstall



- Jika belum menginstall, buka vc\_redist.x64 yang telah di unduh

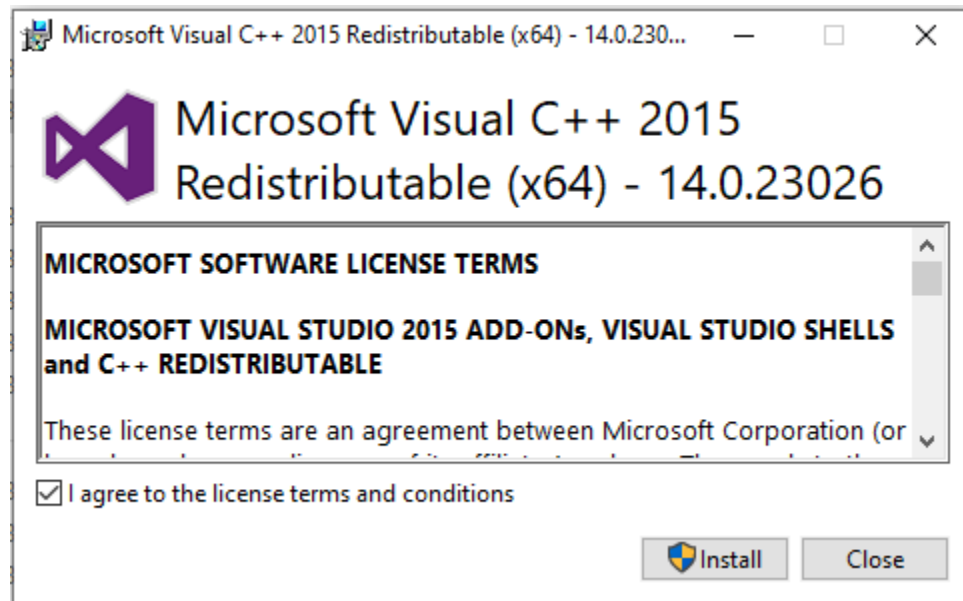
 vc_redist.x64	3/29/2020 2:33 PM	Application	14,231 KB
---	-------------------	-------------	-----------

- Lalu tampilannya seperti ini





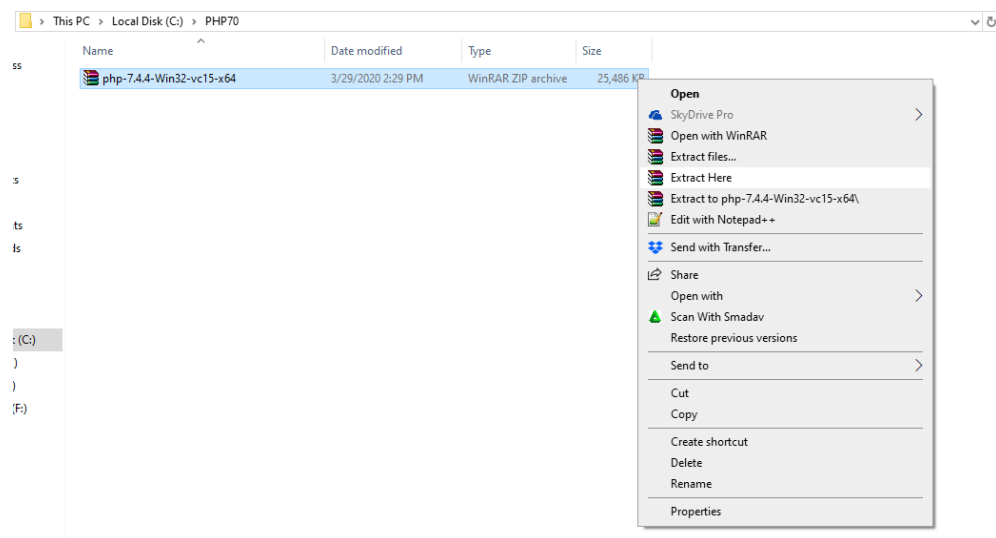
- Klik “Run” dan tampilannya akan menjadi seperti ini




- Klik “I agree” dan klik “Install”. Jika sudah selesai, dapat melakukan pengecekan pada control panel seperti diawal.

## 5. Install PHP

- Setelah mengunduh file PHP, kita ekstrak file tersebut di folder baru yang kita beri nama PHP70 didalam C:/PHP70



- Kemudian buka file yang bernama PHP INI-DEVELOPMENT File dengan menggunakan notepad.

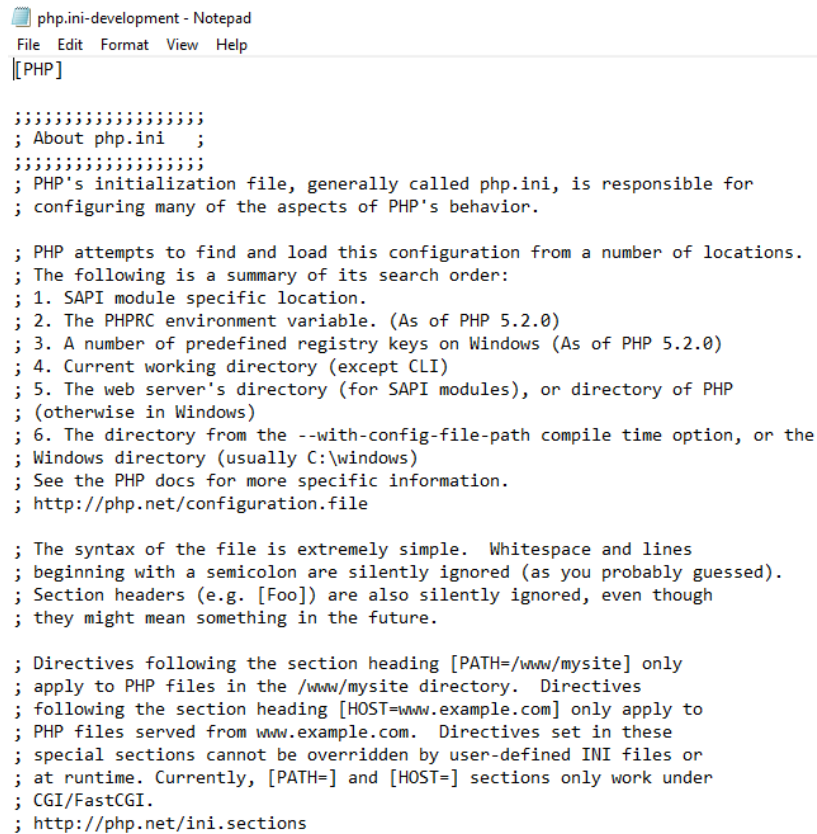
 php.ini-development

3/17/2020 10:02 PM

INI-DEVELOPMENT File

73 KB

- Tampilannya seperti ini.



```

php.ini-development - Notepad
File Edit Format View Help
[[PHP]]

;;;;;;;;;;;;;;;;;;;;;;;;
; About php.ini ;
;;;;;;;;;;;;;;;;;;;;;;;;
; PHP's initialization file, generally called php.ini, is responsible for
; configuring many of the aspects of PHP's behavior.

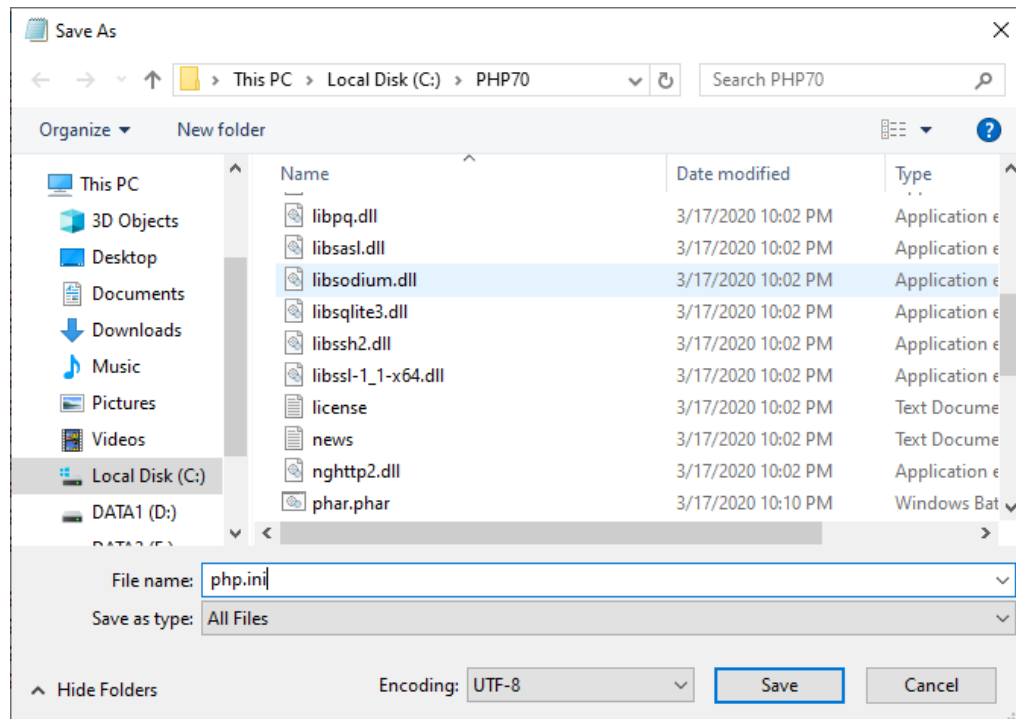
; PHP attempts to find and load this configuration from a number of locations.
; The following is a summary of its search order:
; 1. SAPI module specific location.
; 2. The PHPRC environment variable. (As of PHP 5.2.0)
; 3. A number of predefined registry keys on Windows (As of PHP 5.2.0)
; 4. Current working directory (except CLI)
; 5. The web server's directory (for SAPI modules), or directory of PHP
; (otherwise in Windows)
; 6. The directory from the --with-config-file-path compile time option, or the
; Windows directory (usually C:\windows)
; See the PHP docs for more specific information.
; http://php.net/configuration.file

; The syntax of the file is extremely simple. Whitespace and lines
; beginning with a semicolon are silently ignored (as you probably guessed).
; Section headers (e.g. [Foo]) are also silently ignored, even though
; they might mean something in the future.

; Directives following the section heading [PATH=/www/mysite] only
; apply to PHP files in the /www/mysite directory. Directives
; following the section heading [HOST=www.example.com] only apply to
; PHP files served from www.example.com. Directives set in these
; special sections cannot be overridden by user-defined INI files or
; at runtime. Currently, [PATH=] and [HOST=] sections only work under
; CGI/FastCGI.
; http://php.net/ini.sections

```

- Kemudian file tersebut di “Save As” dengan nama “php.ini” seperti gambar berikut.



- Maka akan membuat file baru seperti gambar dibawah ini.

 php
 3/29/2020 3:04 PM
 Configuration settings
 73 KB

- Setelah itu, kita kembali ke notepad dengan file php.ini yang dimana kita akan mengubah ;extension\_dir = "ext" menjadi extension\_dir = "C:/PHP70/" (lokasi penyimpanan file php) dilakukan perubahan karena untuk menentukan lokasi dari extension\_dir php itu sendiri. Seperti gambar berikut.

```

; Directory in which the loadable extensions (modules) reside.
; http://php.net/extension-dir
;extension_dir = "."
; On windows:
;extension_dir = "ext"

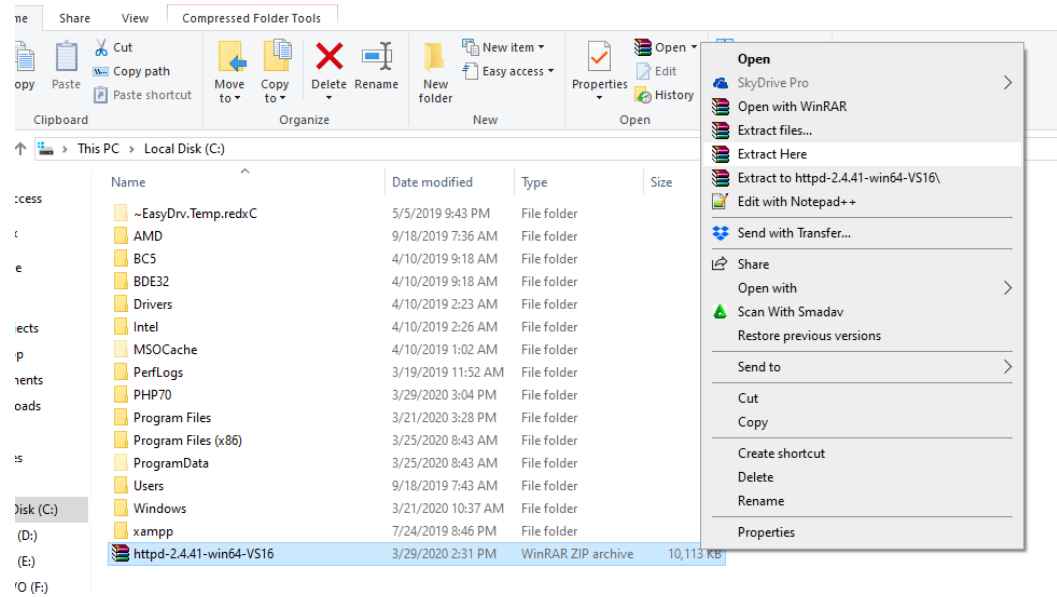
; Directory in which the loadable extensions (modules) reside.
; http://php.net/extension-dir
;extension_dir = "."
; On windows:
extension_dir = "C:/PHP70/ext"
  
```

- Kemudian kita "Save" kembali dan proses install php selesai.



## 6. Install Apache





















- Setelah mengunduh file Apache, kita ekstrak file tersebut di Local Disk (C:) seperti gambar berikut.



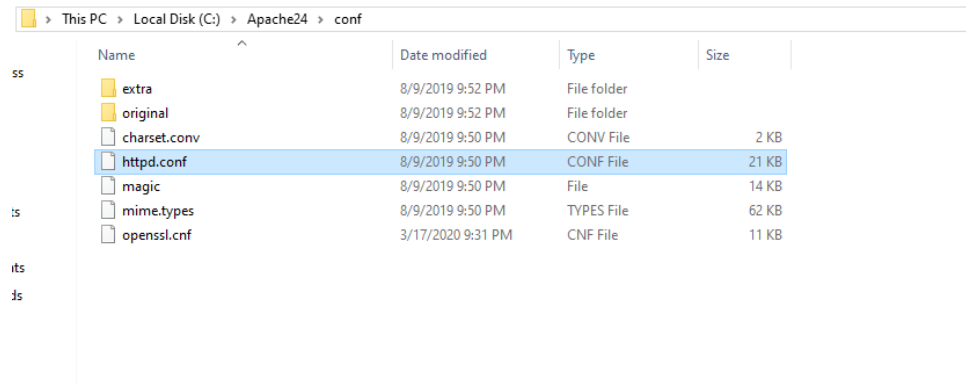
- Tampilannya akan seperti ini

	httpd-2.4.41-win64-VS16	3/29/2020 2:31 PM	WinRAR ZIP archive	10,113 KB
	Apache24	8/9/2019 9:53 PM	File folder	
	ReadMe	3/18/2020 5:11 PM	Text Document	4 KB
	-- Win64 VS16 --	8/12/2019 7:58 PM	File	0 KB

- Kemudian buka folder Apache24 dan buka folder conf untuk mengkonfigurasi php yang telah di install

 > This PC > Local Disk (C:) > Apache24 >				
	Name	Date modified	Type	Size
ss	 bin	8/9/2019 9:52 PM	File folder	
	 cgi-bin	8/9/2019 9:52 PM	File folder	
	 conf	8/9/2019 9:52 PM	File folder	
	 error	8/9/2019 9:52 PM	File folder	
	 htdocs	8/9/2019 9:52 PM	File folder	
s	 icons	8/9/2019 9:52 PM	File folder	
	 include	8/9/2019 9:52 PM	File folder	
ts	 lib	8/9/2019 9:50 PM	File folder	
ls	 logs	8/9/2019 9:52 PM	File folder	
	 manual	8/9/2019 9:52 PM	File folder	
	 modules	8/9/2019 9:50 PM	File folder	
	 ABOUT_APACHE	4/16/2015 3:53 AM	Text Document	14 KB
	 CHANGES	8/9/2019 9:37 PM	Text Document	1 KB
(C:)	 INSTALL	5/18/2016 12:59 AM	Text Document	4 KB
)	 LICENSE	8/9/2019 9:38 PM	Text Document	44 KB
	 NOTICE	8/9/2019 9:38 PM	Text Document	3 KB
F:)	 OPENSSEAL-NEWS	3/18/2020 4:54 PM	Text Document	43 KB
	 OPENSSEAL-README	3/18/2020 4:54 PM	Text Document	5 KB
	 README	1/23/2014 11:33 PM	Text Document	5 KB

- Kemudian buka file httpd.conf pada folder Apache dengan menggunakan notepad.



- Tampilannya seperti ini

```

httpd.conf - Notepad
File Edit Format View Help
#
# This is the main Apache HTTP server configuration file. It contains the
# configuration directives that give the server its instructions.
# See <URL:http://httpd.apache.org/docs/2.4/> for detailed information.
# In particular, see
# <URL:http://httpd.apache.org/docs/2.4/mod/directives.html>
# for a discussion of each configuration directive.
#
# Do NOT simply read the instructions in here without understanding
# what they do. They're here only as hints or reminders. If you are unsure
# consult the online docs. You have been warned.
#
# Configuration and logfile names: If the filenames you specify for many
# of the server's control files begin with "/" (or "drive:" for Win32), the
# server will use that explicit path. If the filenames do *not* begin
# with "/", the value of ServerRoot is prepended -- so "logs/access_log"
# with ServerRoot set to "/usr/local/apache2" will be interpreted by the
# server as "/usr/local/apache2/logs/access_log", whereas "/logs/access_log"
# will be interpreted as '/logs/access_log'.
#
# NOTE: Where filenames are specified, you must use forward slashes
# instead of backslashes (e.g., "c:/apache" instead of "c:\apache").
# If a drive letter is omitted, the drive on which httpd.exe is located
# will be used by default. It is recommended that you always supply
# an explicit drive letter in absolute paths to avoid confusion.

#
# ServerRoot: The top of the directory tree under which the server's
# configuration, error, and log files are kept.
#
# Do not add a slash at the end of the directory path. If you point
# ServerRoot at a non-local disk, be sure to specify a local disk on the
# Mutex directive, if file-based mutexes are used. If you wish to share the
# same ServerRoot for multiple httpd daemons, you will need to change at
# least PidFile.
"

```



- Kemudian kita scroll paling bawah dan kita tambahkan perintah yaitu  
LoadModule php7\_module "C:/PHP70/php7apache2\_4.dll" (sesuai nama folder php)

AddHandler application/x-httpd-php .php

PHPIniDir "C:/PHP70" (sesuai nama folder php)

```
*httpd.conf - Notepad
File Edit Format View Help
#Include conf/extra/httpd-info.conf

# Virtual hosts
#Include conf/extra/httpd-vhosts.conf

# Local access to the Apache HTTP Server Manual
#Include conf/extra/httpd-manual.conf

# Distributed authoring and versioning (WebDAV)
#Include conf/extra/httpd-dav.conf

# Various default settings
#Include conf/extra/httpd-default.conf

# Configure mod_proxy_html to understand HTML4/XHTML1
<IfModule proxy_html_module>
Include conf/extra/proxy-html.conf
</IfModule>

# Secure (SSL/TLS) connections
#Include conf/extra/httpd-ssl.conf
#
# Note: The following must must be present to support
#       starting without SSL on platforms with no /dev/random equivalent
#       but a statically compiled-in mod_ssl.
#
<IfModule ssl_module>
SSLRandomSeed startup builtin
SSLRandomSeed connect builtin
</IfModule>

LoadModule php7_module "C:/PHP70/php7apache2_4.dll"
AddHandler application/x-httpd-php .php

PHPIniDir "C:/PHP70"
```

- Kemudian pada DirectoryIndex tambahkan index.php hal ini berguna agar Apache dapat membaca file berformat .php seperti gambar berikut

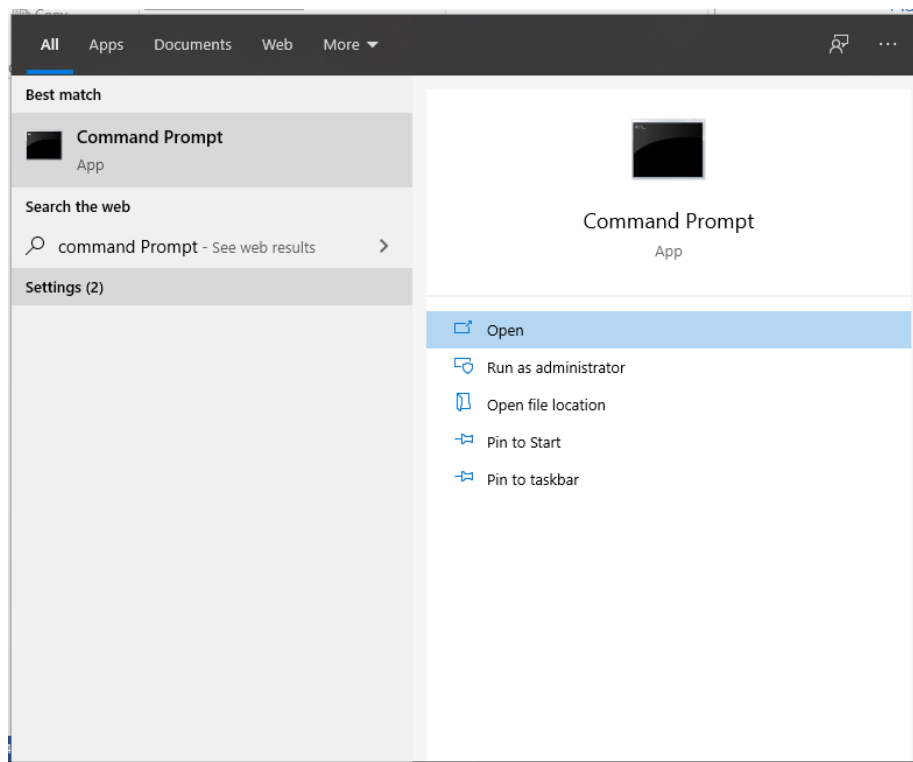
```
#
# DirectoryIndex: sets the file that Apache will serve if a directory
# is requested.
#
<IfModule dir_module>
DirectoryIndex index.html
</IfModule>
```

```
#  
# DirectoryIndex: sets the file that Apache will serve if a directory  
# is requested.  
#  
<IfModule dir_module>  
    DirectoryIndex index.php index.html  
</IfModule>
```

- Kemudian save file tersebut.

## 7. Membuat service apache

- Klik Search dan ketik cmd atau Command Prompt. Kemudian klik kanan dan pilih “Run as administrator”.



- Kemudian ketik `cd\Apache24\bin` seperti gambar berikut

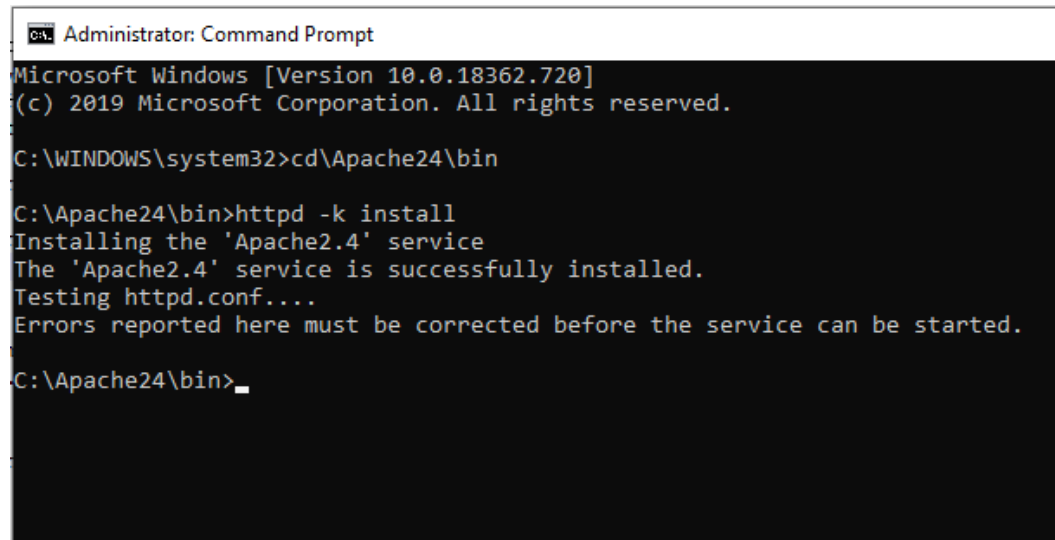
Administrator: Command Prompt

Microsoft Windows [Version 10.0.18362.720]  
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd\Apache24\bin

C:\Apache24\bin>\_

- Kemudian ketik `httpd -k install` seperti gambar berikut



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd\Apache24\bin

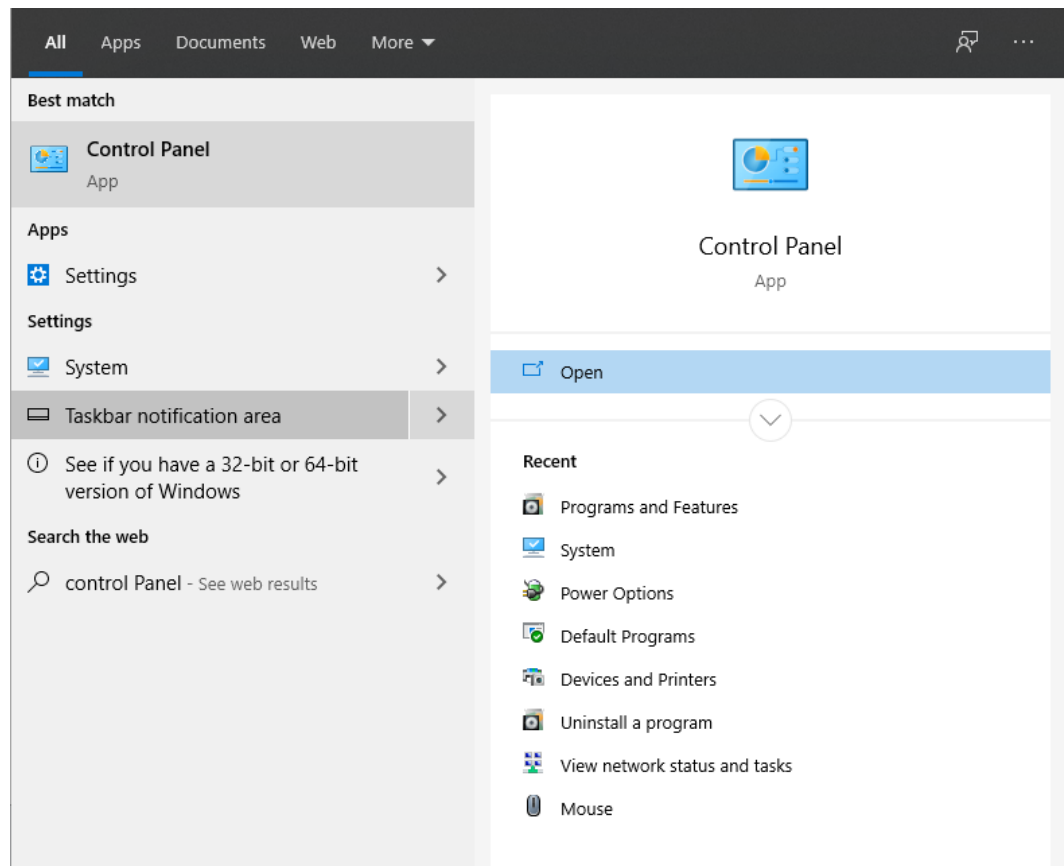
C:\Apache24\bin>httpd -k install
Installing the 'Apache2.4' service
The 'Apache2.4' service is successfully installed.
Testing httpd.conf....
Errors reported here must be corrected before the service can be started.

C:\Apache24\bin>
```

- Jika bertuliskan The 'Apache2.4' service is successfully installed artinya kita telah berhasil menginstall Apache dan sudah terkonfigurasi dengan PHP.

#### 8. Menguji konfigurasi apache

- Setelah berhasil terinstall, selanjutnya kita akan memulai / start Apache dari control panel. Jadi buka control panel seperti gambar berikut



- Kemudian pilih “Administrative tools”

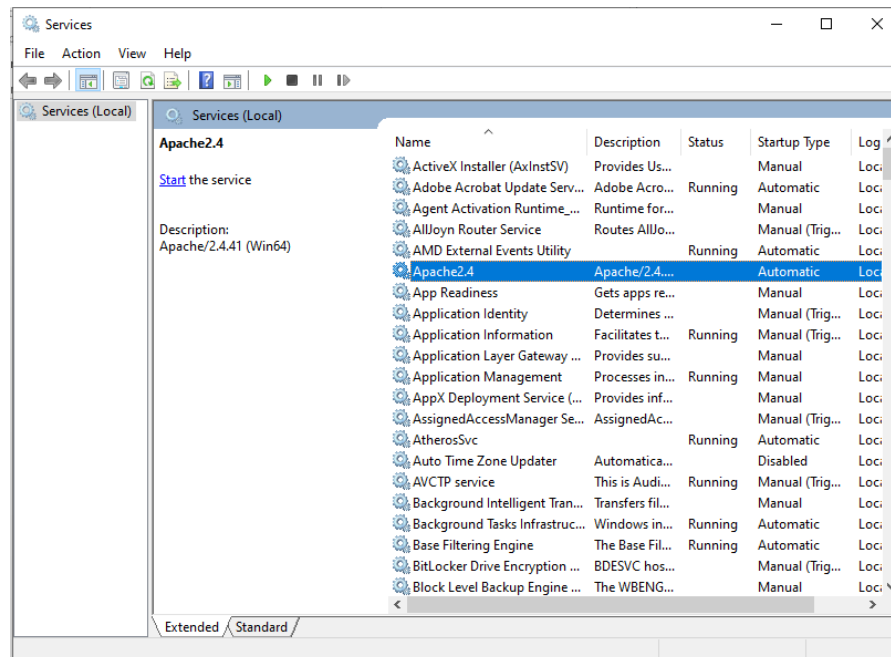


- Selanjutnya pilih “Service”

Control Panel > All Control Panel Items > Administrative Tools

	Name	Date modified	Type	Size
ss	Component Services	3/19/2019 11:45 AM	Shortcut	2 KB
	Computer Management	3/19/2019 11:45 AM	Shortcut	2 KB
	Defragment and Optimize Drives	3/19/2019 11:45 AM	Shortcut	2 KB
	Disk Cleanup	3/19/2019 11:45 AM	Shortcut	2 KB
	Event Viewer	3/19/2019 11:45 AM	Shortcut	2 KB
ts	iSCSI Initiator	3/19/2019 11:45 AM	Shortcut	2 KB
	Local Security Policy	3/19/2019 11:46 AM	Shortcut	2 KB
ts	ODBC Data Sources (32-bit)	3/19/2019 11:46 AM	Shortcut	2 KB
ds	ODBC Data Sources (64-bit)	3/19/2019 11:45 AM	Shortcut	2 KB
	Performance Monitor	3/19/2019 11:45 AM	Shortcut	2 KB
	Print Management	3/19/2019 11:46 AM	Shortcut	2 KB
	Recovery Drive	3/19/2019 11:45 AM	Shortcut	2 KB
	Registry Editor	3/19/2019 11:45 AM	Shortcut	2 KB
κ (C:)	Resource Monitor	3/19/2019 11:45 AM	Shortcut	2 KB
;) )	Services	3/19/2019 11:45 AM	Shortcut	2 KB
	System Configuration	3/19/2019 11:45 AM	Shortcut	2 KB
(F:)	System Information	3/19/2019 11:45 AM	Shortcut	2 KB
	Task Scheduler	3/19/2019 11:44 AM	Shortcut	2 KB
	Windows Defender Firewall with Advanc...	3/19/2019 11:44 AM	Shortcut	2 KB
	Windows Memory Diagnostic	3/19/2019 11:45 AM	Shortcut	2 KB

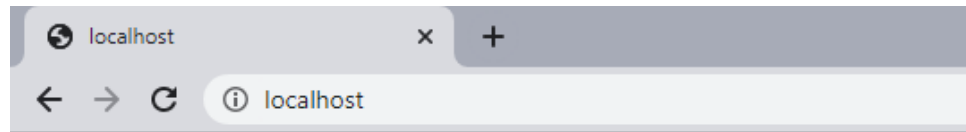
- Jika Apache sudah terinstall, maka terdapat file seperti gambar berikut



- Kemudian klik “Start” untuk memulai Apache. Dan akan seperti gambar berikut



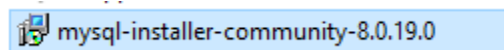
- Dan hasilnya ketika kita ketik “localhost” pada browser maka yang muncul adalah “It works” seperti gambar berikut.



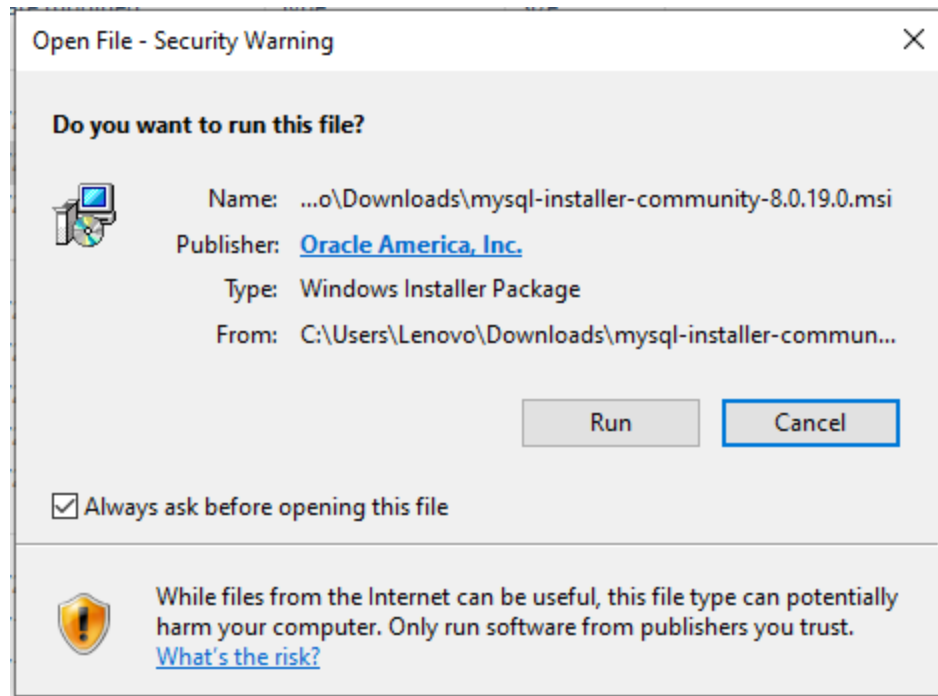
**It works!**

## 9. Menginstal MySQL

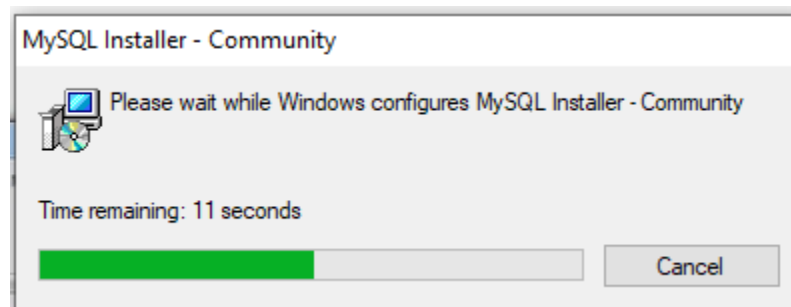
- Klik 2x pada file yang telah kita download. Seperti gambar berikut.



- Kemudian klik “Run”

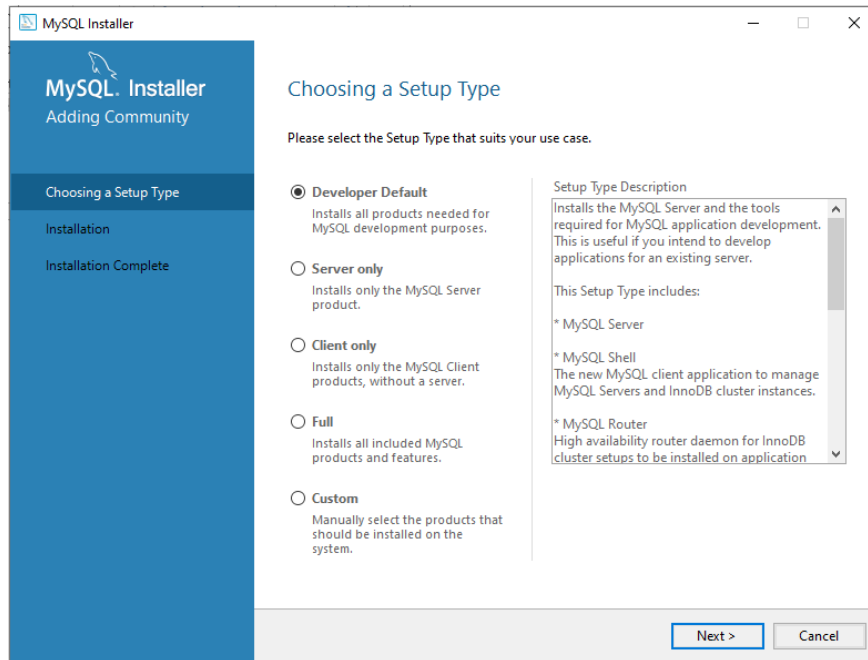


- Kemudian tampilannya seperti ini, dan jangan lupa untuk tersambung ke jaringan internet.

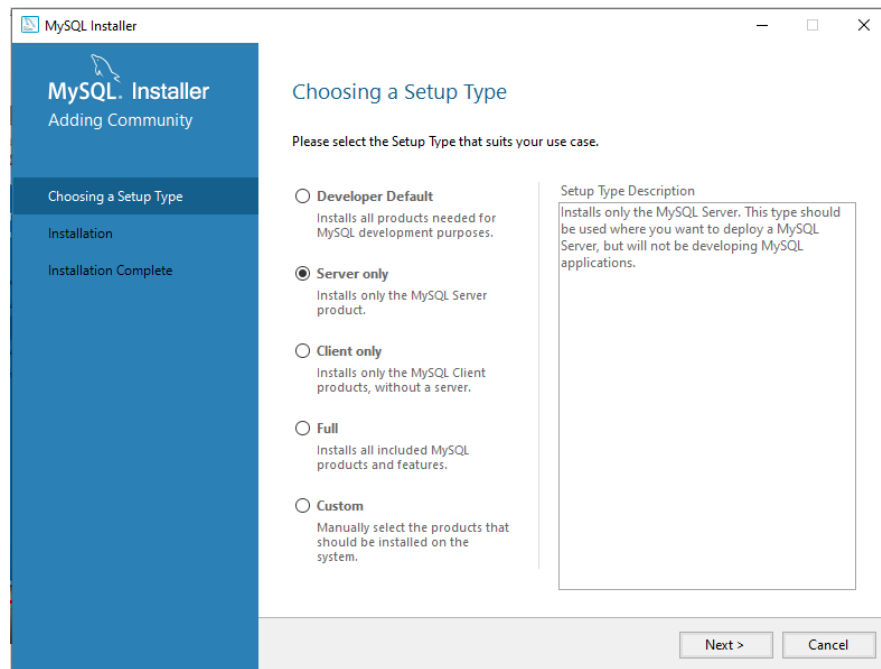


- Selanjutnya tampilannya akan seperti ini.

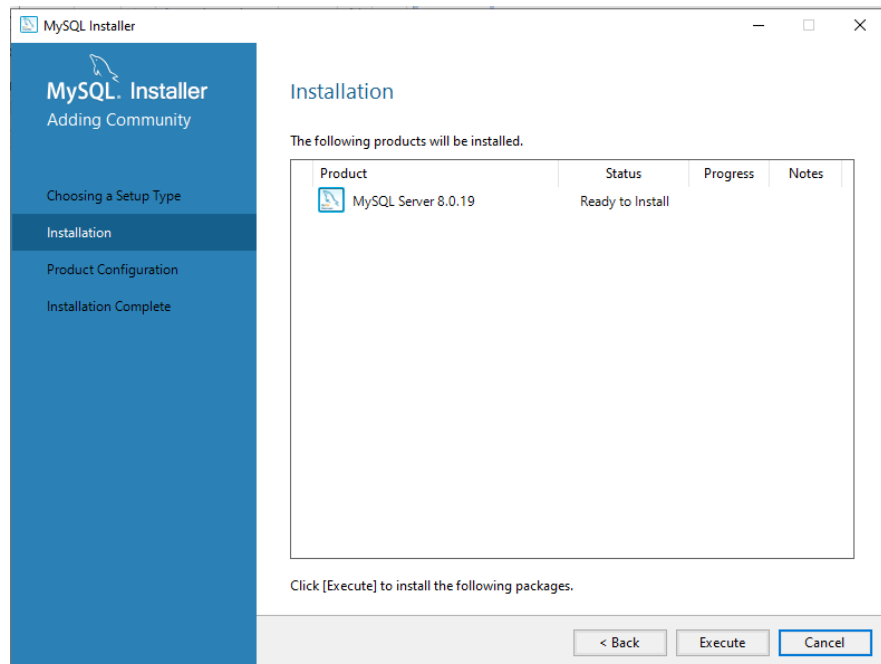




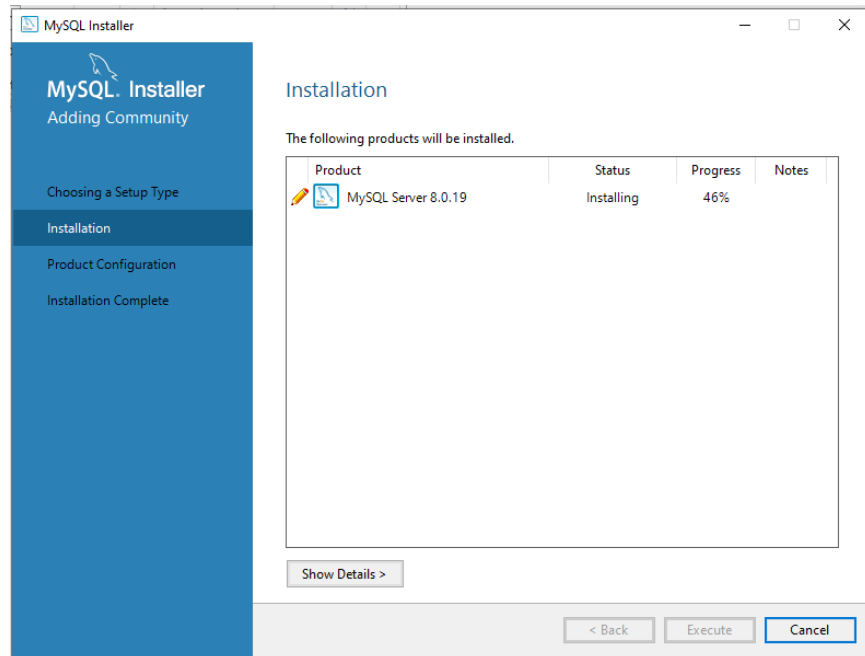
- Pilih “Server Only” kemudian klik “Next”



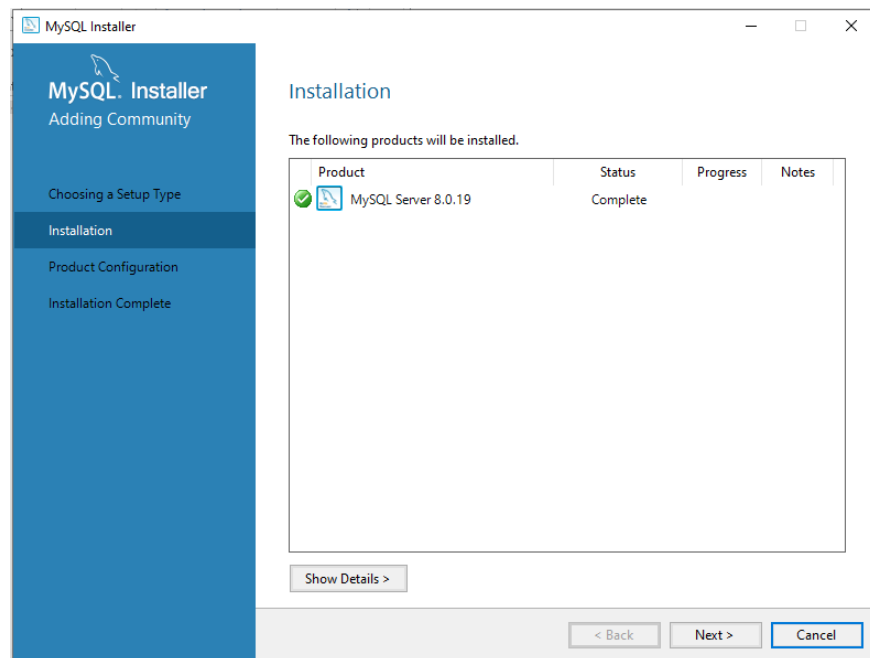
- Dan tampilannya seperti ini, jika statusnya sudah “Ready to install”, kita pilih “Execute” seperti gambar berikut



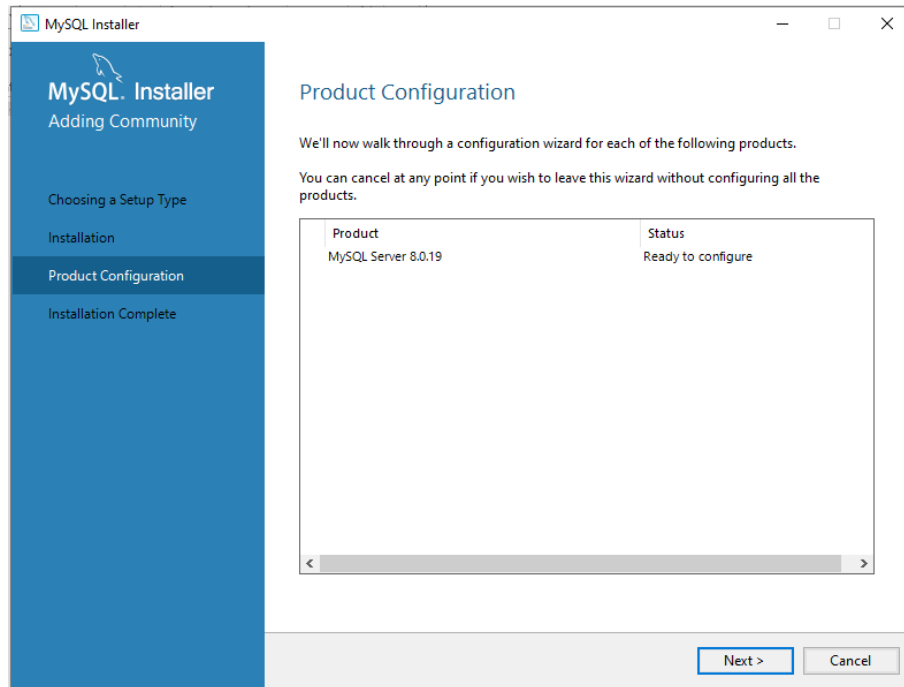
- Dan tampilannya seperti ini



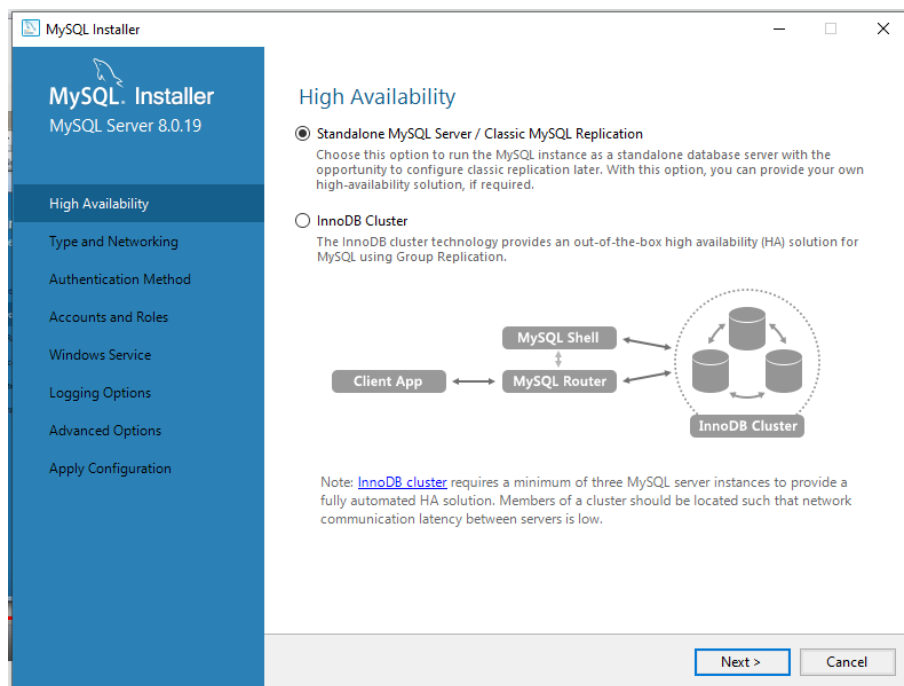
- Tunggu sampai 100% dan statusnya “Complete” kemudian klik “Next” seperti gambar berikut



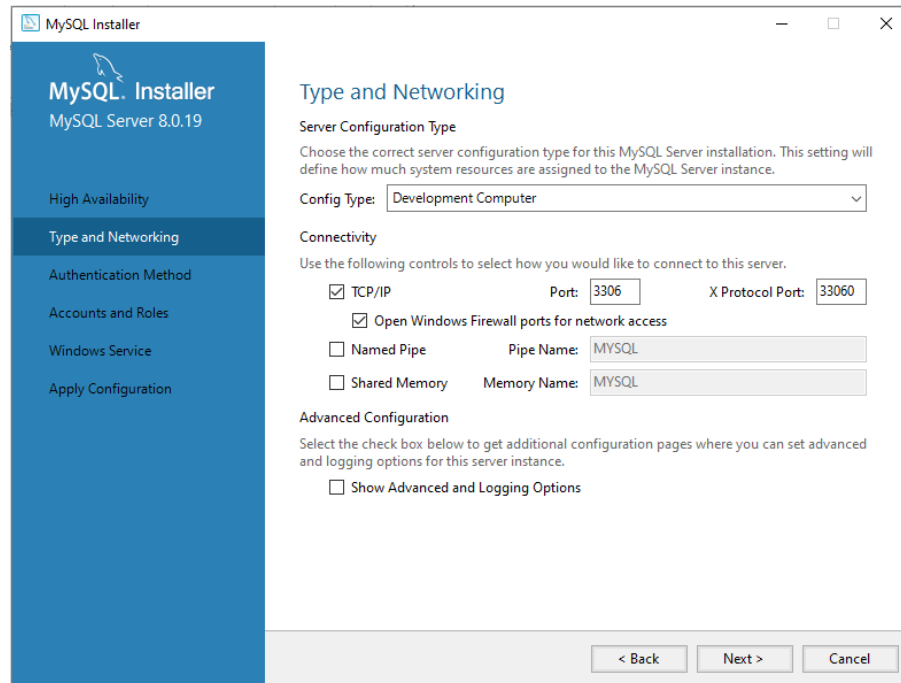
- Dan tampilannya seperti ini, jika statusnya “Ready to configure”, berarti sudah siap digunakan. Lalu pilih “Next”



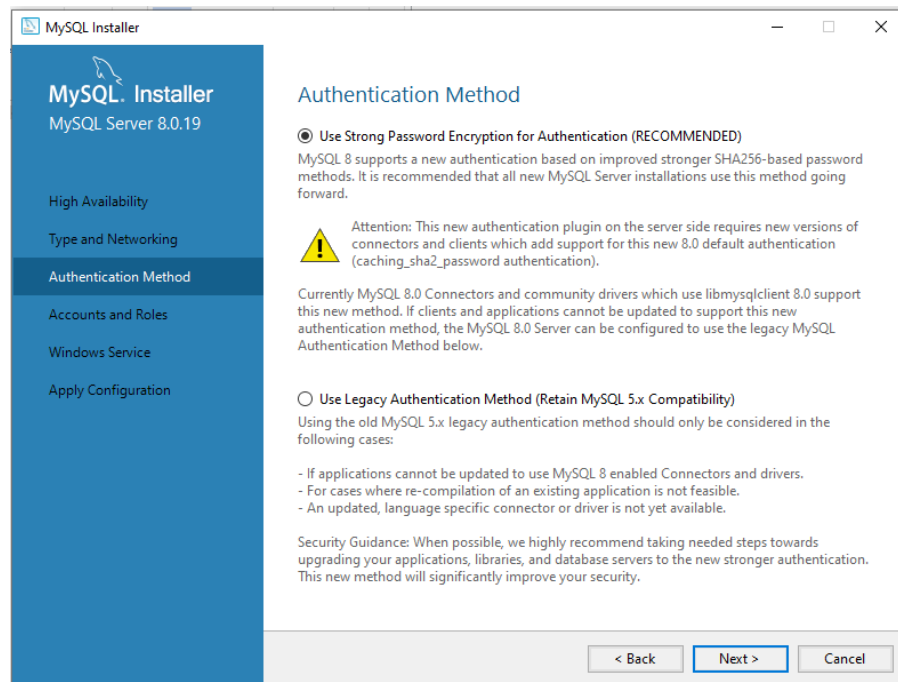
- Dan tampilannya sebagai berikut. Lalu kita pilih “Standalone MySQL Server / Classic MySQL Replication” kemudian klik “Next”



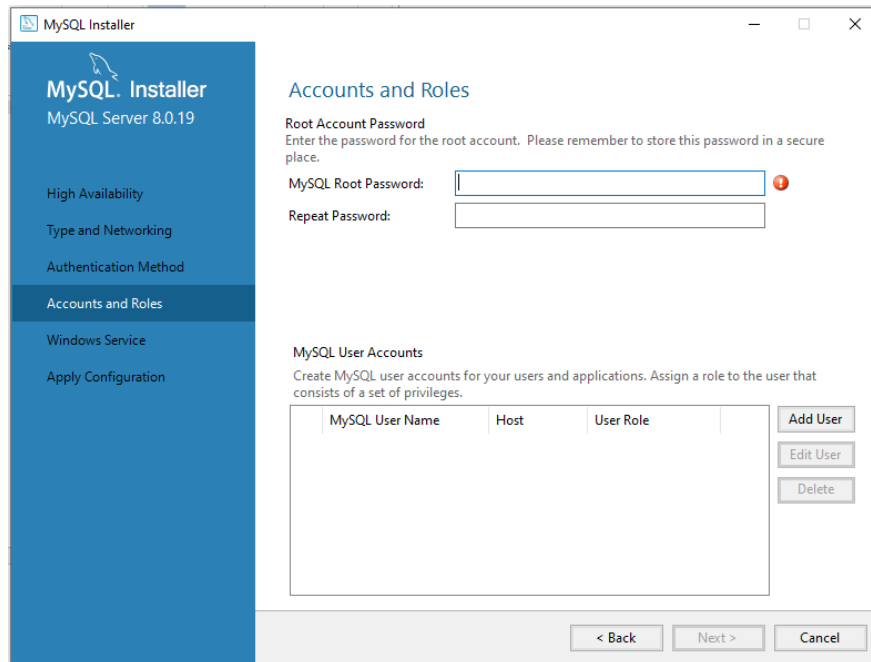
- Kemudian pastikan “TCP/IP” pada MySQL Installer sudah di centang kemudian klik “Next” seperti gambar berikut.



- Lalu, jika tampilannya seperti ini. Klik “Next”



- Pada tampilan ini kita masukkan password



The screenshot shows the 'MySQL Installer' window for 'MySQL Server 8.0.19'. The left sidebar lists installation steps: High Availability, Type and Networking, Authentication Method, Accounts and Roles (selected), Windows Service, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains two sections. The 'Root Account Password' section prompts the user to enter a password for the root account, with a warning icon indicating a weak password. Below this are two empty text boxes for 'MySQL Root Password:' and 'Repeat Password:'. The 'MySQL User Accounts' section prompts the user to create MySQL user accounts, with a table for adding users. The table has columns for 'MySQL User Name', 'Host', and 'User Role'. To the right of the table are buttons for 'Add User', 'Edit User', and 'Delete'. At the bottom of the window are buttons for '< Back', 'Next >', and 'Cancel'.

MySQL Installer  
MySQL Server 8.0.19

High Availability  
Type and Networking  
Authentication Method  
**Accounts and Roles**  
Windows Service  
Apply Configuration

**Accounts and Roles**

**Root Account Password**  
Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

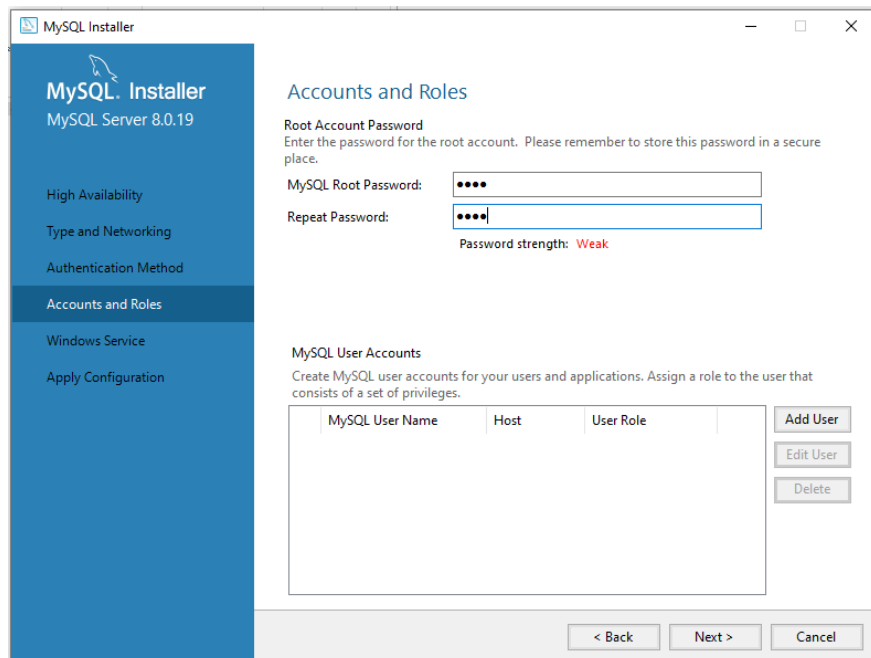
**MySQL User Accounts**  
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

Add User  
Edit User  
Delete

< Back   Next >   Cancel

- Jika sudah kita masukkan password kita klik “Next”



This screenshot shows the same 'MySQL Installer' window as the previous one, but with the password fields filled. The 'MySQL Root Password' and 'Repeat Password' fields now contain four dots. Below the 'Repeat Password' field, the text 'Password strength: Weak' is displayed in red. The rest of the interface, including the sidebar, table, and buttons, remains the same.

MySQL Installer  
MySQL Server 8.0.19

High Availability  
Type and Networking  
Authentication Method  
**Accounts and Roles**  
Windows Service  
Apply Configuration

**Accounts and Roles**

**Root Account Password**  
Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Weak**

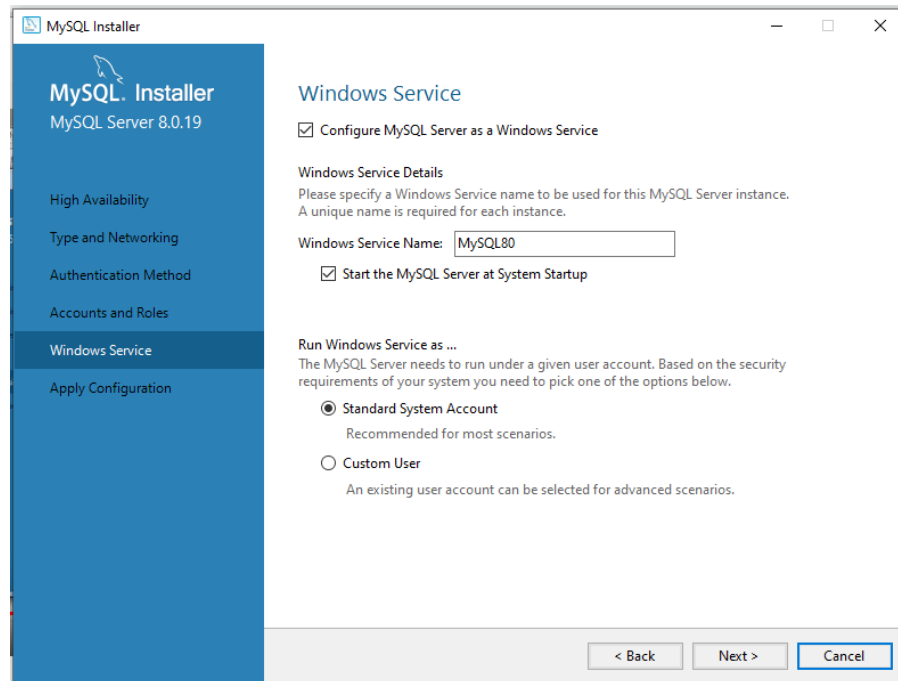
**MySQL User Accounts**  
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

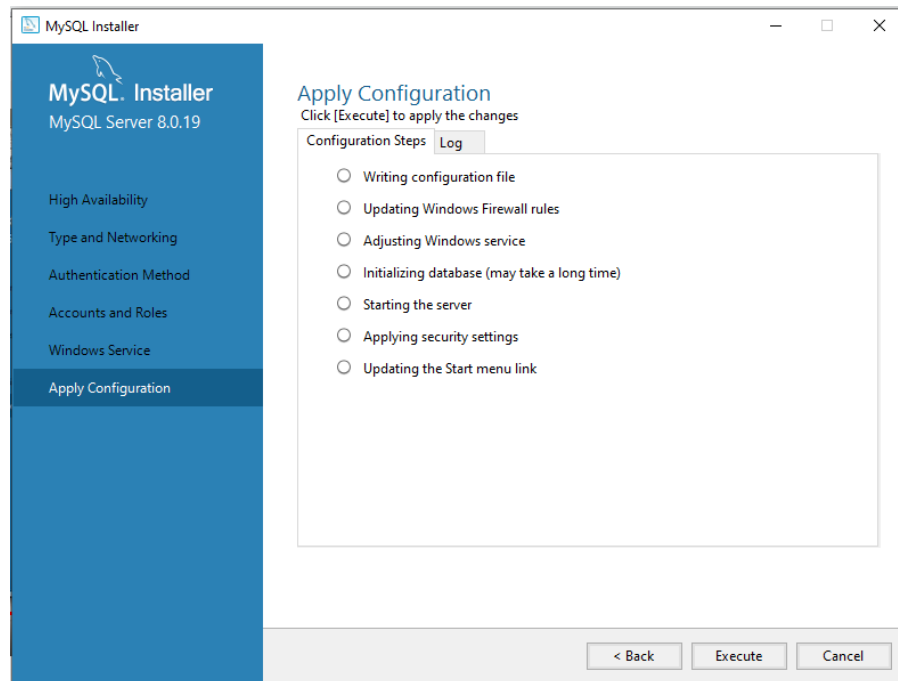
Add User  
Edit User  
Delete

< Back   Next >   Cancel

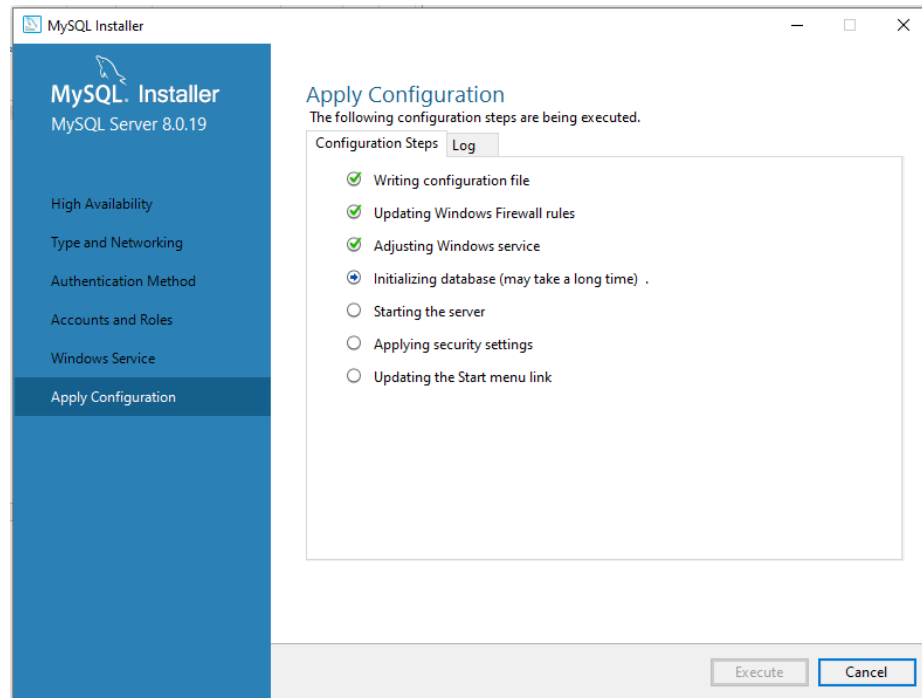
- Kemudian pilih “Standard System Account” lalu klik “Next”



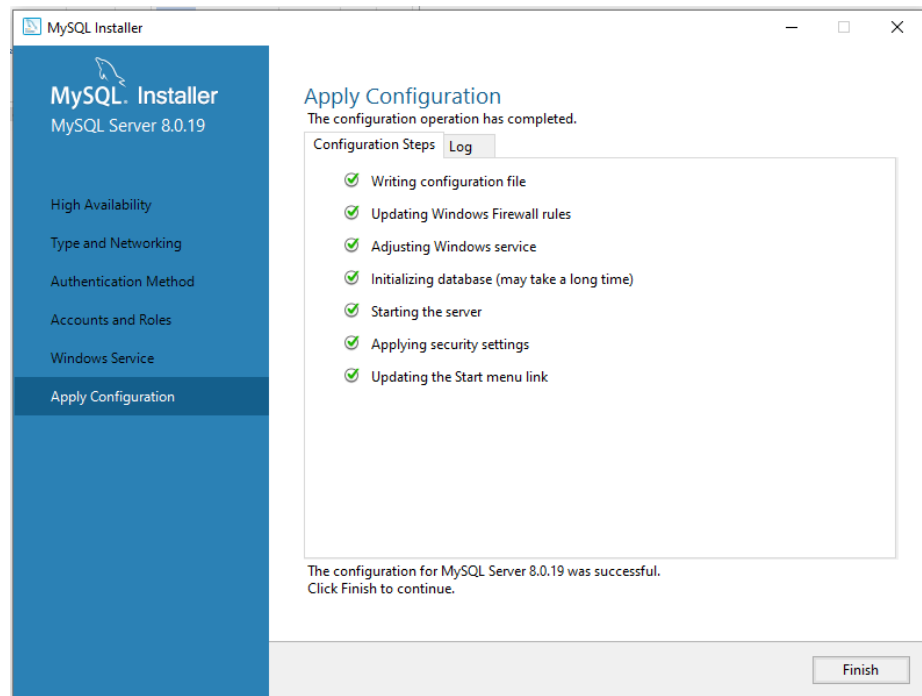
- Kemudian klik “Execute” seperti gambar berikut



- Kemudian tampilanya seperti ini. Tunggu sampai selesai

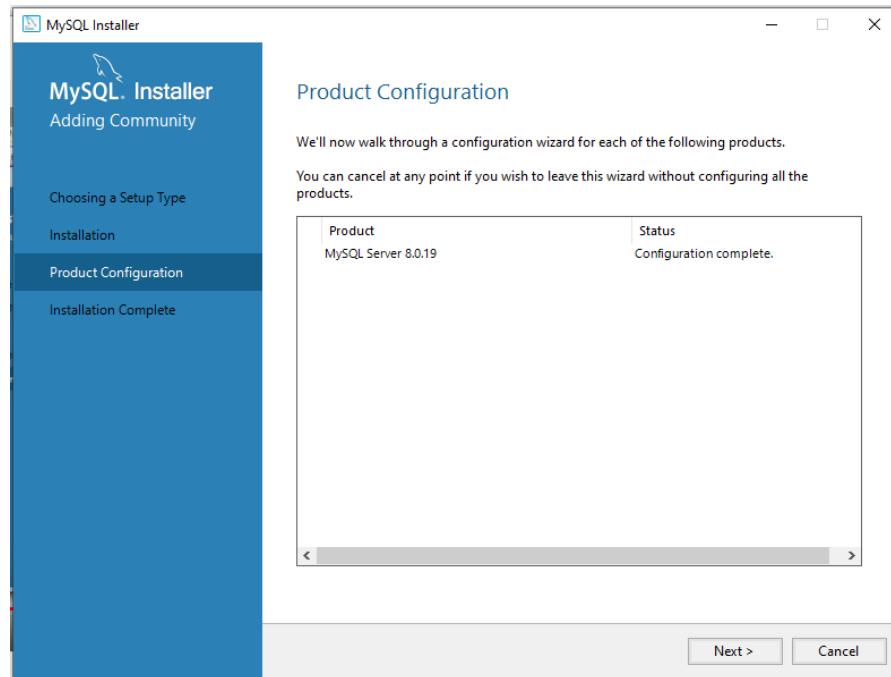


- Kemudian klik “Finish”

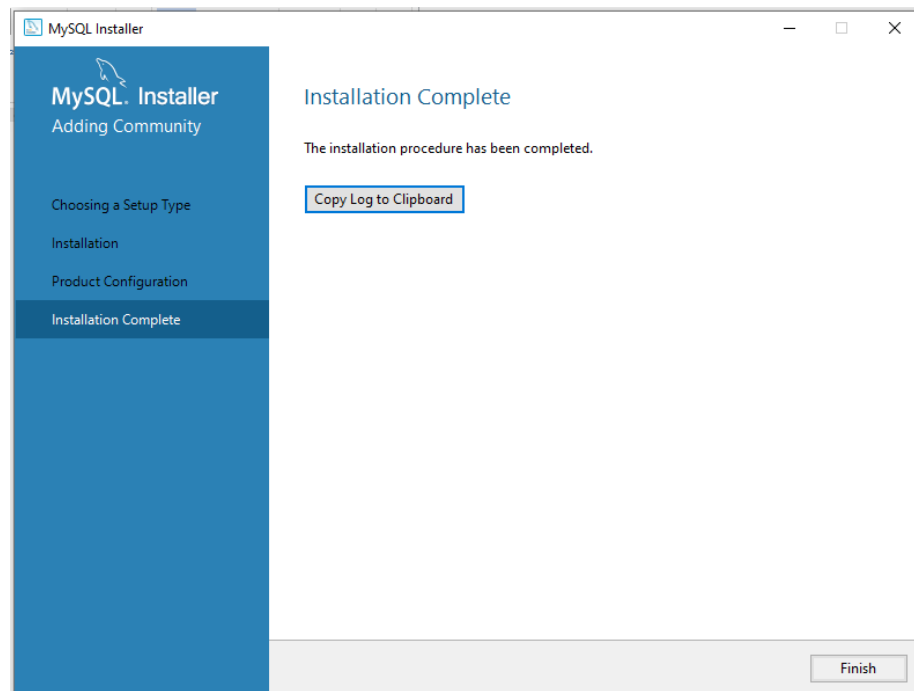




- Dan tampilannya seperti ini kemudian klik “Next”




- Kemudian klik “Finish” pada gambar berikut




## 10. Melakukan konfigurasi pada MySQL

- Buka file php.ini pada folder PHP70. Kemudian cari “extension=mysqli” dan “extension=pdo\_mysql” kemudian hapus tanda komentarnya yang berbentuk titik koma dipaling kiri.

 \*php - Notepad

File Edit Format View Help

```
;extension=gettext
;extension=gmp
;extension=intl
;extension=imap
;extension=ldap
;extension=mbstring
;extension=exif      ; Must be after mbstring as it depends on it
;extension=mysqli
;extension=oci8_12c  ; Use with Oracle Database 12c Instant Client
;extension=odbc
;extension=openssl
;extension=pdo_firebird
;extension=pdo_mysql
```

 \*php - Notepad

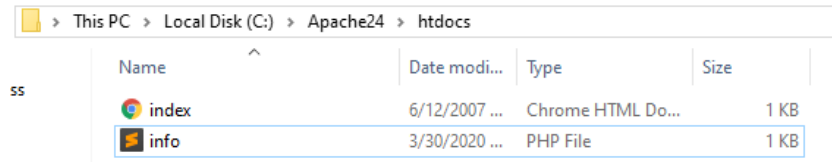
File Edit Format View Help

```
;extension=gettext
;extension=gmp
;extension=intl
;extension=imap
;extension=ldap
;extension=mbstring
;extension=exif      ; Must be after mbstring as it depends on it
extension=mysqli
;extension=oci8_12c  ; Use with Oracle Database 12c Instant Client
;extension=odbc
;extension=openssl
;extension=pdo_firebird
extension=pdo_mysql
```

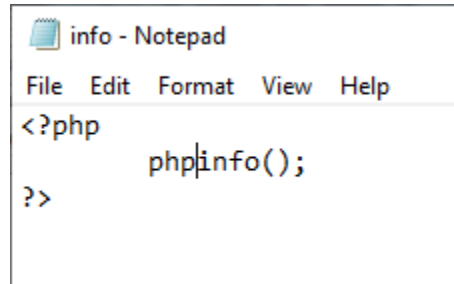
- Kemudian “Save” file tersebut.

11. Cek MySQL apakah sudah terkonfigurasi ke PHP

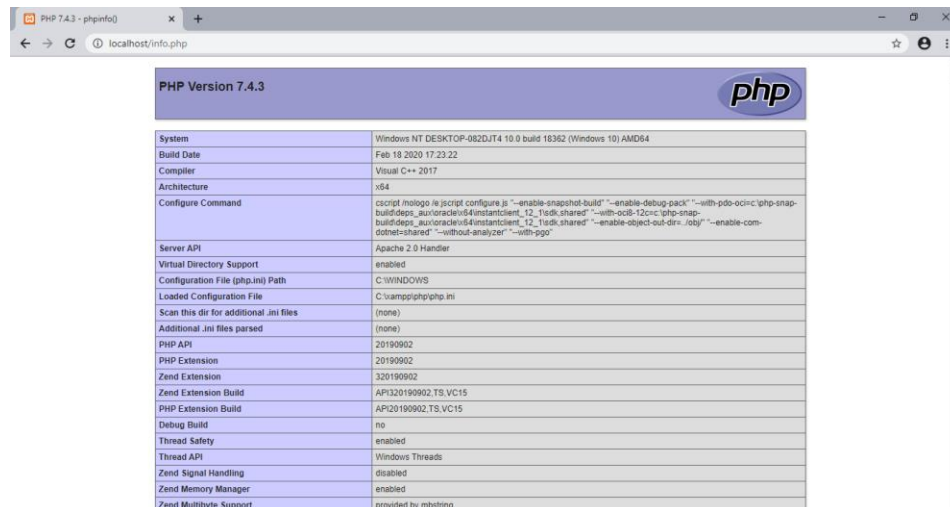
- Buat file .php ke dalam c:\Apache24\htdocs misalnya info.php



- Isinya file info.php sebagai berikut



- Kemudian kembali ke browser dan ketik localhost/info.php



- Kemudian cari mysqli

PHP 7.4.3 - phpinfo()

localhost/info.php

mysqli

Mysqli Support		enabled	
Client API library version	mysqlnd 7.4.3		
Active Persistent Links	0		
Inactive Persistent Links	0		
Active Links	0		

Directive	Local Value	Master Value
mysqli.allow_local_infile	Off	Off
mysqli.allow_persistent	On	On
mysqli.default_host	no value	no value
mysqli.default_port	3306	3306
mysqli.default_pw	no value	no value
mysqli.default_socket	no value	no value
mysqli.default_user	no value	no value
mysqli.max_links	Unlimited	Unlimited
mysqli.max_persistent	Unlimited	Unlimited
mysqli.reconnect	Off	Off
mysqli.rollback_on_cached_plink	Off	Off

mysqlnd

mysqlnd		enabled	
Version	mysqlnd 7.4.3		
Compression	supported		
core SSL	supported		
extended SSL	not supported		
Command buffer size	4096		

- Jika sudah ada mysqli berarti proses install dan konfigurasi PHP, Apache, MySQL berhasil