

**Nama : Damar Sulistyono**

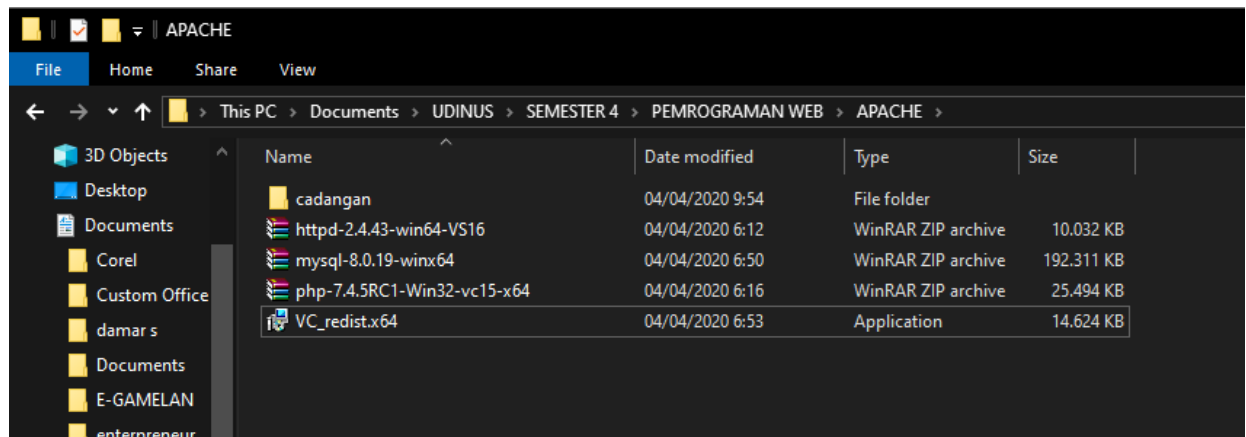
**Nim : A12.2018.05994**

## 1. Mendownload Aplikasi yang diperlukan

- Download Apache for Windows
- Download MySQL for Windows (select ZIP Archive)
- Download Visual C++

Setelah mendownload

- httpd-2.4.43-Win64-VS16.rar
- php-7.4-SRC1-Win32-vc15-x64.rar
- mysql-8.0.11-winx64.rar
- VC\_redist.x64.exe



Lalu Run and install file **VC\_redist.x64.exe**. install seperti biasa, dan jika selesai akan kembali ke layar semula.

## 2. Membuat Folder Untuk Menyimpan File

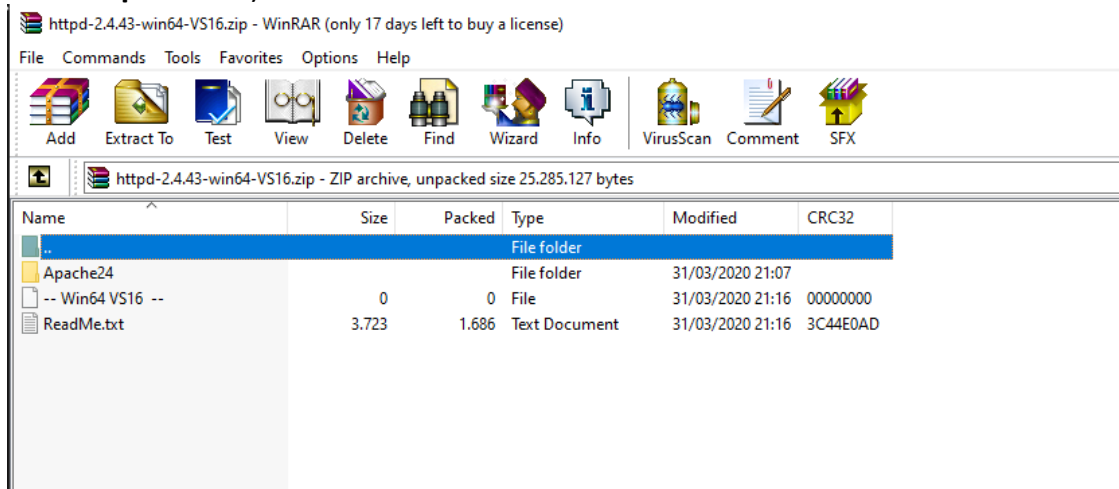
Pada drive **C** buatlah sebuah folder dengan nama “ **Server** ” didalamnya buatlah folder dengan nama “ **bin** ” (nanti akan folder tersebut akan digunakan untuk instal Apache, PHP, and MySQL ) dan buatlah folder “ **data** ” (website dan database akan disimpan di folder tersebut).

Selanjutnya pada folder **data** buatlah dua folder berikut :

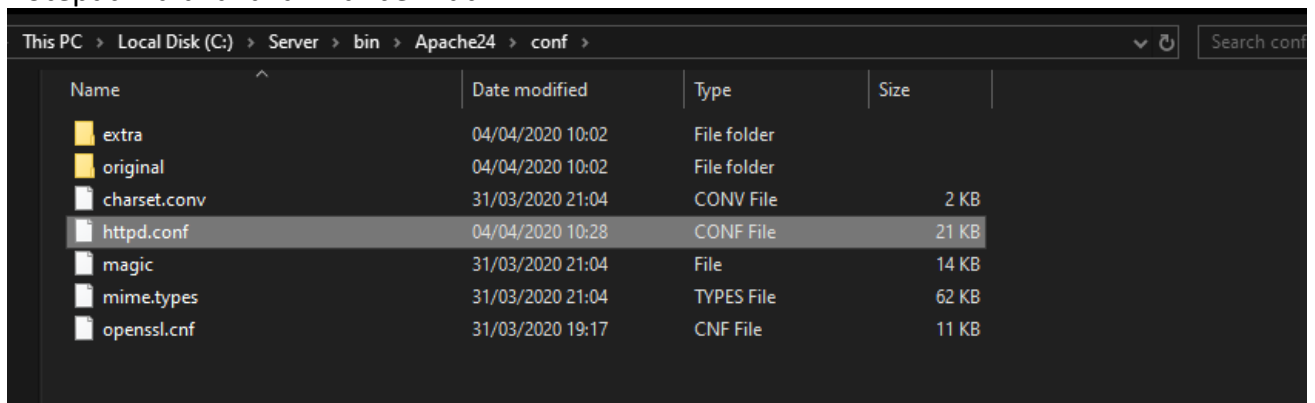
- **DB** (database akan disimpan disini)
- **htdocs** (websites akan disimpan disini)

### 3. instalasi dan konfigurasi Apache 2.4 pada Windows 10

- ekstrak file (archive httpd-2.4.43-Win64-VS16.rar ) ke folder **C:\Server\bin\** (pindahkan folder **Apache24** ):



Setelah itu, pergi ke folder **c:\Server\bin\Apache24\conf\** lalu buka **httpd.conf** dengan notepad. Lalu lakukan hal berikut :



ganti

Define SRVROOT "c:/Apache24"

dengan

Define SRVROOT "c:/Server/bin/Apache24"

ganti

```
#ServerName www.example.com:80
```

dengan

```
ServerName localhost
```

ganti

```
DocumentRoot "${SRVROOT}/htdocs"
```

dengan

```
DocumentRoot "c:/Server/data/htdocs/"
```

ganti

```
<Directory "${SRVROOT}/htdocs">
```

dengan

```
<Directory "c:/Server/data/htdocs/">
```

ganti

```
DirectoryIndex index.html
```

dengan

```
DirectoryIndex index.php index.html index.htm
```

ganti

```
# AllowOverride controls what directives may be placed in .htaccess files.
```

```
# It can be "All", "None", or any combination of the keywords:
```

```
# AllowOverride FileInfo AuthConfig Limit
```

```
#
```

```
AllowOverride None
```

dengan

```
# AllowOverride controls what directives may be placed in .htaccess files.
```

```
# It can be "All", "None", or any combination of the keywords:
```

```
# AllowOverride FileInfo AuthConfig Limit
```

```
#
```

```
AllowOverride All
```

ganti

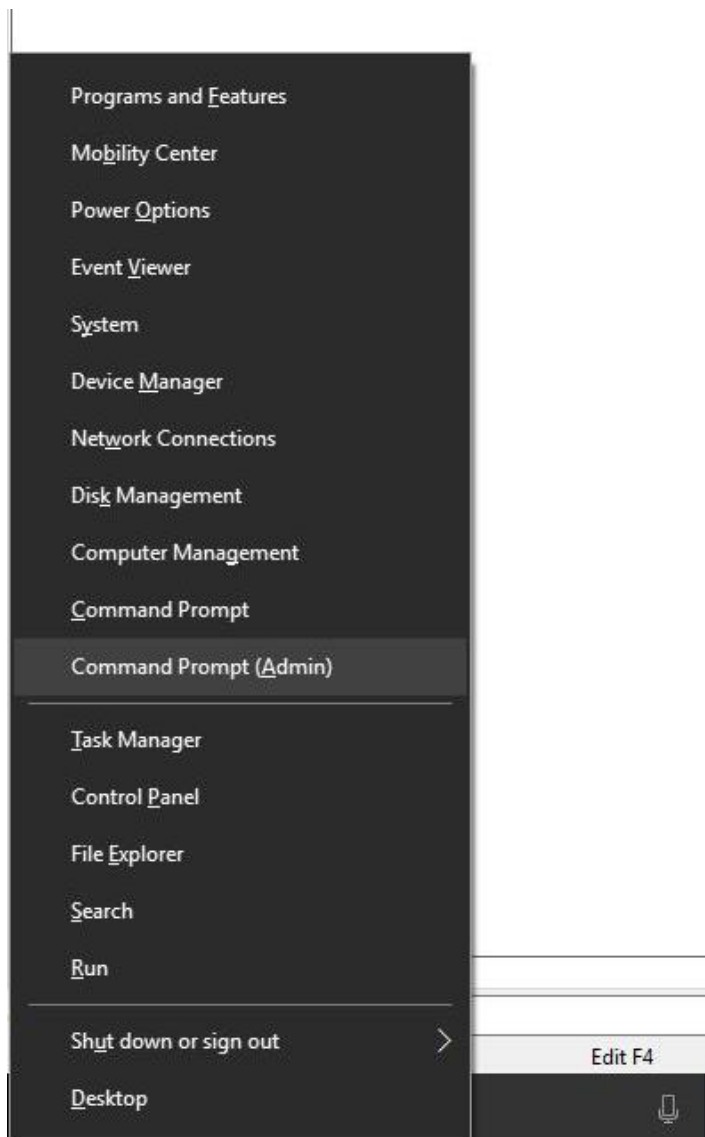
```
#LoadModule rewrite_module modules/mod_rewrite.so
```

dengan

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

Lalu save dan tutup. Konfigurasi Apache selesai.

Lalu klik **Windows + X**. dan pilih '**Windows PowerShell (admin)**':

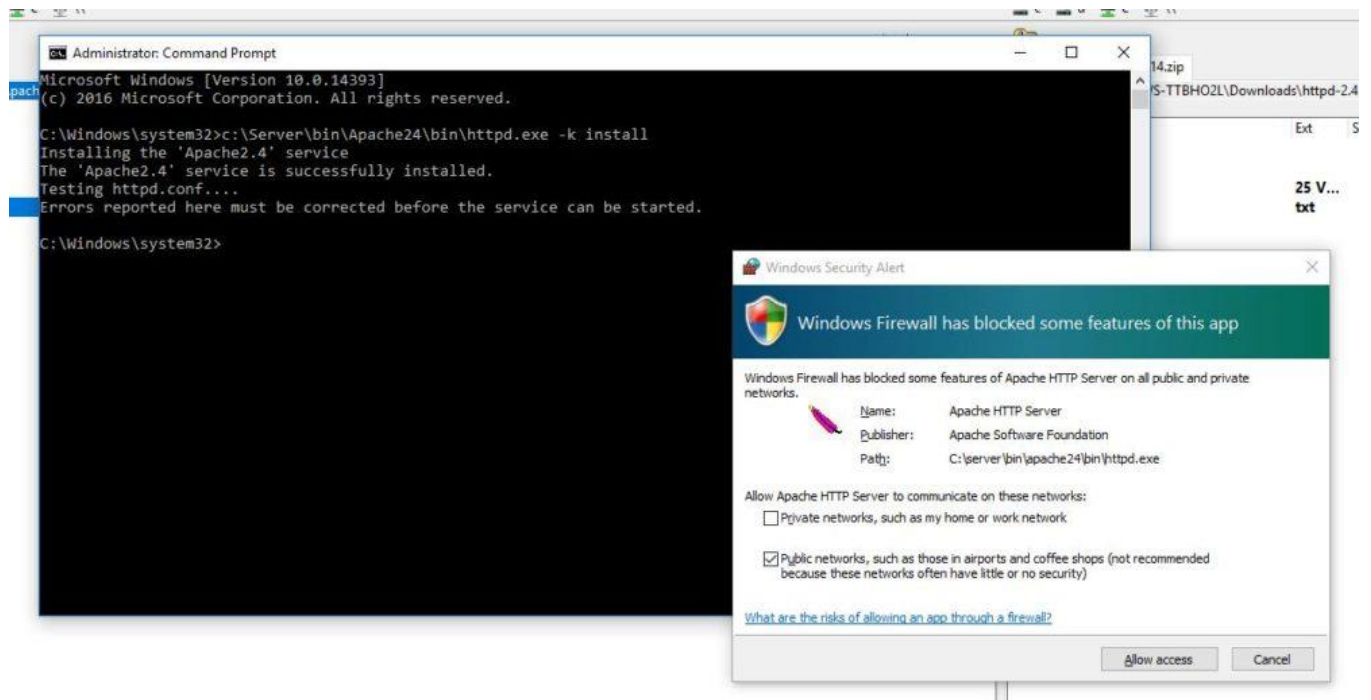


Lalu Copy-paste:

```
c:\Server\bin\Apache24\bin\httpd.exe -k install
```

dan klik enter Enter.

Jika muncul ntif, pilih '**Allow access**'.



Lalu copy-paste and run dibawah ini:

c:\Server\bin\Apache24\bin\httpd.exe -k start

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>c:\Server\bin\Apache24\bin\httpd.exe -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:\Windows\system32>c:\Server\bin\Apache24\bin\httpd.exe -k start

C:\Windows\system32>
```

Setelah itu coba buka link ini <http://localhost/> , maka akan keluar seperti dibawah ini



## Index of /

Itu berarti:

- Apache bias digunakan
- penyimpanan **c:\Server\data\htdocs\** kosong

### 4. install dan konfigurasi MySQL

- Pada folder **c:\Server\bin\** ekstrak MySQL archive (folder mysql-8.0.11-winx64.rar). ubah namanya menjadi **mysql-8.0** (untuk memper pendek).

Masuk kedalam folder **mysql-8.0** dan buat file **my.ini** . buka file dengan notepad. Copy-paste baris berikut:

[mysqld]

sql\_mode=NO\_ENGINE\_SUBSTITUTION,STRICT\_TRANS\_TABLES

datadir="c:/Server/data/DB/data/"

default\_authentication\_plugin=mysql\_native\_password

lalu simpan dan tutup.

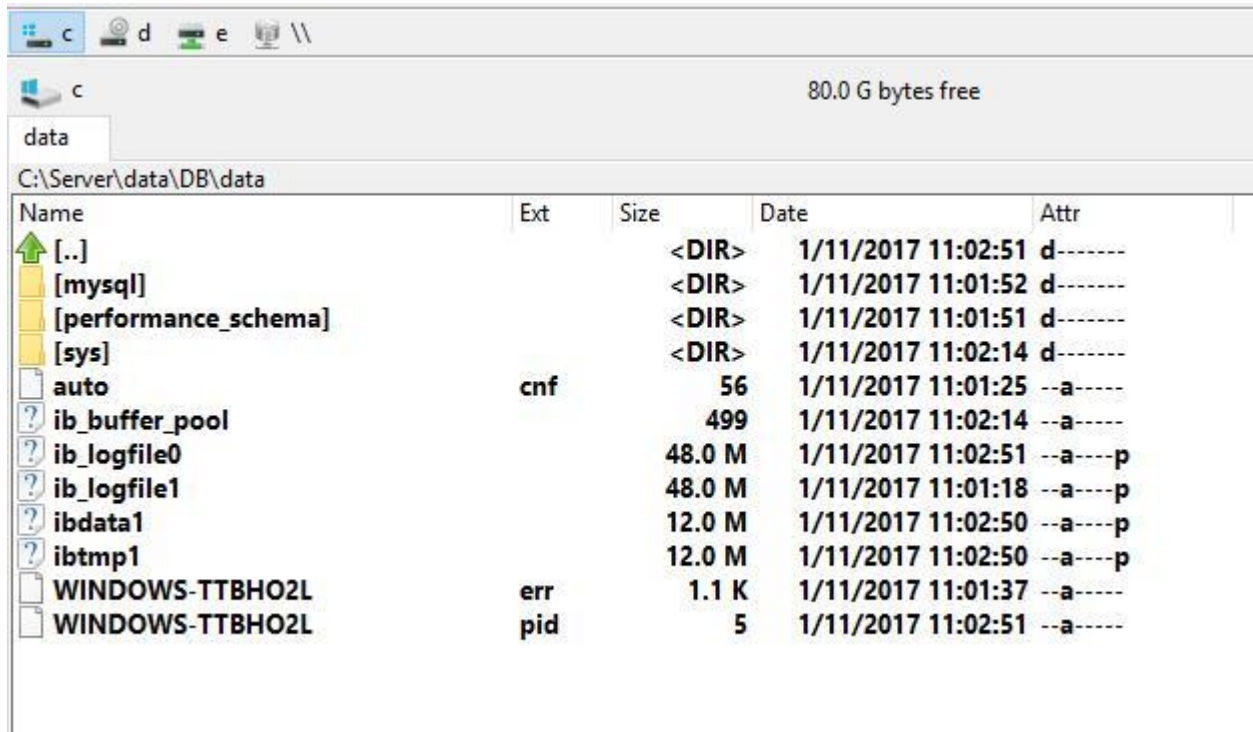
install MySQL 8.0 pada Windows. Buka Command Prompt (as Admin) lalu run:

```
C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
```

```
C:\Server\bin\mysql-8.0\bin\mysqld --install
```

```
net start mysql
```

ketika proses selesai, didalam folder **C:\Server\data\DB\data\** file yang tergenerate Kn muncul :



| Name                 | Ext | Size   | Date               | Attr     |
|----------------------|-----|--------|--------------------|----------|
| [..]                 |     | <DIR>  | 1/11/2017 11:02:51 | d-----   |
| [mysql]              |     | <DIR>  | 1/11/2017 11:01:52 | d-----   |
| [performance_schema] |     | <DIR>  | 1/11/2017 11:01:51 | d-----   |
| [sys]                |     | <DIR>  | 1/11/2017 11:02:14 | d-----   |
| auto                 | cnf | 56     | 1/11/2017 11:01:25 | --a----  |
| ib_buffer_pool       |     | 499    | 1/11/2017 11:02:14 | --a----  |
| ib_logfile0          |     | 48.0 M | 1/11/2017 11:02:51 | --a----p |
| ib_logfile1          |     | 48.0 M | 1/11/2017 11:01:18 | --a----p |
| ibdata1              |     | 12.0 M | 1/11/2017 11:02:50 | --a----p |
| ibtmp1               |     | 12.0 M | 1/11/2017 11:02:50 | --a----p |
| WINDOWS-TTBHO2L      | err | 1.1 K  | 1/11/2017 11:01:37 | --a----  |
| WINDOWS-TTBHO2L      | pid | 5      | 1/11/2017 11:02:51 | --a----  |

Mulai saat ini MySQL akan mulai secara otomatis.

```
C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
```

```
C:\Server\bin\mysql-8.0\bin\mysqld --install
```

```
net start mysql
```



## 5. Install PHP

Pada folder **c:\Server\bin\** buat folder baru **PHP** dan copy isi konten dari php-7.4-SRC1-Win32-vc15-x64.rar

Buka Kembali **c:\Server\bin\Apache24\conf\httpd.conf** dan tambahkan line:  
PHPIniDir "C:/Server/bin/PHP"

AddHandler application/x-httpd-php .php

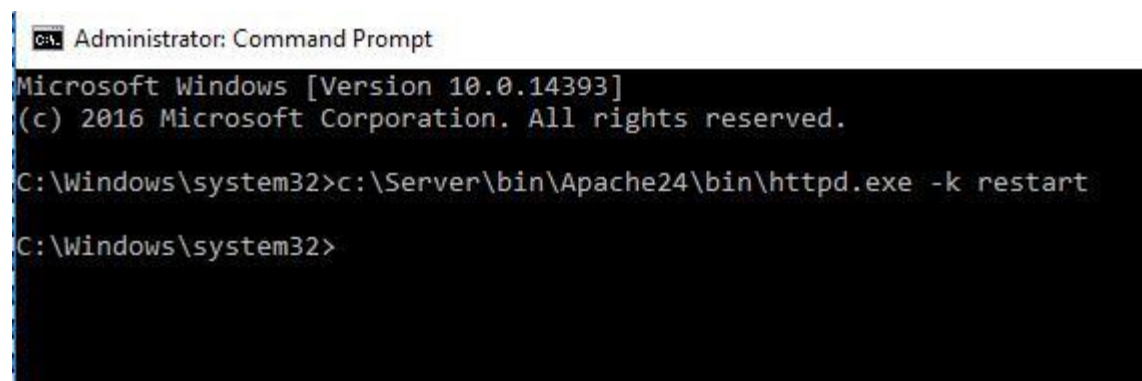
LoadModule php7\_module "C:/Server/bin/PHP/php7apache2\_4.dll"



```
525 #       but a statically compiled-in module.  
526 #  
527 <IfModule ssl_module>  
528 SSLRandomSeed startup builtin  
529 SSLRandomSeed connect builtin  
530 </IfModule>  
531  
532  
533 PHPIniDir "C:/Server/bin/PHP"  
534 AddHandler application/x-httpd-php .php  
535 LoadModule php7_module "C:/Server/bin/PHP/php7apache2_4.dll"  
536  
537
```

Lalu restart Apache:

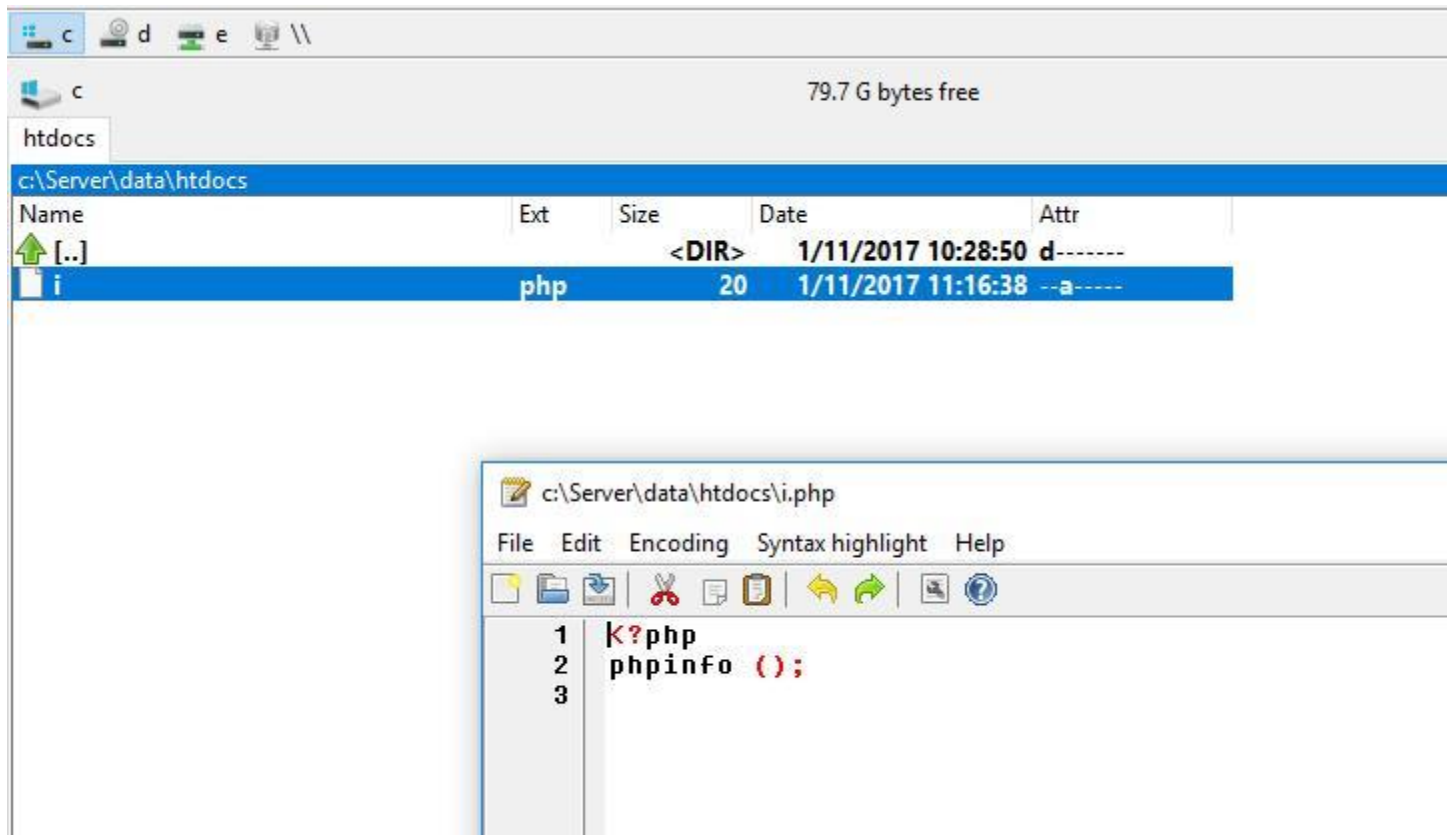
c:\Server\bin\Apache24\bin\httpd.exe -k restart



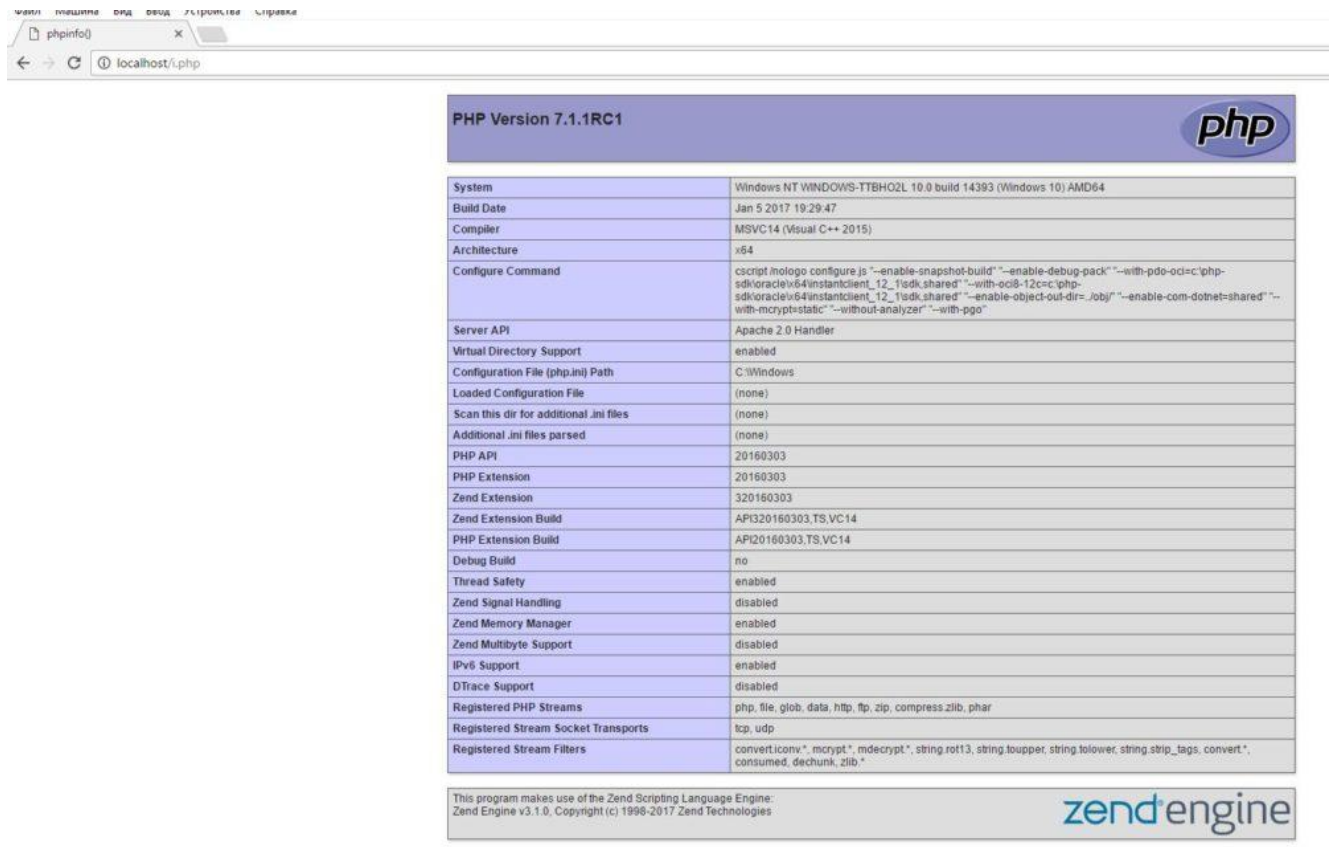
```
Administrator: Command Prompt  
Microsoft Windows [Version 10.0.14393]  
(c) 2016 Microsoft Corporation. All rights reserved.  
C:\Windows\system32>c:\Server\bin\Apache24\bin\httpd.exe -k restart  
C:\Windows\system32>
```

Pada folder **c:\Server\data\htdocs\** buat file **i.php** dan copy disana:  
<?php

phpinfo ();



Lalu buka pada browser alamat <http://localhost/i.php> . jika kamu melihat sesuatu seperti ini, itu berarti PHP bekerja.



**PHP Version 7.1.1RC1**

|   |   |
|---|---|
| System                                  | Windows NT WINDOW\$-TTEHO2L 10.0 build 14393 (Windows 10) AMD64   |
| Build Date                              | Jan 5 2017 19:29:47   |
| Compiler                                | MSVC14 (Visual C++ 2015)  |
| Architecture                            | x64   |
| Configure Command                       | cmd /c "cd /d %~dp0\src\php & phpize --enable-snapshot-build --enable-debug-pack --with-pdo-oci=c:\php\oci\oracle64instantclient_12_1\sdk\shared --with-oci8-12c=c:\php\oci\oracle64instantclient_12_1\sdk\shared --enable-object-out-dir=.obj --enable-com-dotnet=shared --with-mcrypt=static --without-analyzer --with-pgo" |
| Server API                              | Apache 2.0 Handler  |
| Virtual Directory Support               | enabled   |
| Configuration File (php.ini) Path       | C:\Windows  |
| Loaded Configuration File               | (none)  |
| Scan this dir for additional .ini files | (none)  |
| Additional .ini files parsed            | (none)  |
| PHP API                                 | 20160303  |
| PHP Extension                           | 20160303  |
| Zend Extension                          | 320160303   |
| Zend Extension Build                    | API320160303,TS,VC14  |
| PHP Extension Build                     | API20160303,TS,VC14   |
| Debug Build                             | no  |
| Thread Safety                           | enabled   |
| Zend Signal Handling                    | disabled  |
| Zend Memory Manager                     | enabled   |
| Zend Multibyte Support                  | disabled  |
| IPv6 Support                            | enabled   |
| DTrace Support                          | disabled  |
| Registered PHP Streams                  | php, file, glob, data, http, ftp, zip, compress, zlib, phar   |
| Registered Stream Socket Transports     | tcp, udp  |
| Registered Stream Filters               | convert.iconv.*, mcrypt.*, mdecrypt.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, zlib.*  |

This program makes use of the Zend Scripting Language Engine:  
Zend Engine v3.1.0, Copyright (c) 1998-2017 Zend Technologies

zend engine

## 6. Konfigurasi PHP

Pada folder **c:\Server\bin\PHP\** ubah nama file **php.ini-development** menjadi to **php.ini**.

Buka dengan notepad lalu temukan baris :

```
; extension_dir = "ext"
```

Lalu ganti dengan

```
extension_dir = "C:\Server\bin\PHP\ext\"
```

lalu temukan kelompok barisan:

```
;extension=bz2
```

```
;extension=curl
```

```
;extension=fileinfo
```

```
;extension=gd2
```

```
;extension=gettext
```

```
;extension=gmp
```

```
;extension=intl  
  
;extension=imap  
  
;extension=interbase  
  
;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=openssl  
  
;extension=pdo_firebird  
  
;extension=pdo_mysql  
  
;extension=pdo_oci  
  
;extension=pdo_odbc  
  
;extension=pdo_pgsql  
  
;extension=pdo_sqlite  
  
;extension=pgsql  
  
;extension=shmop
```

Ganti dengan

```
extension=bz2
```

```
extension=curl
```

```
extension=fileinfo
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extension=gd2
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extension=gettext

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extension=mysqli

;extension=oci8\_12c ; Use with Oracle Database 12c Instant Client

extension=openssl

;extension=pdo\_firebird

extension=pdo\_mysql

;extension=pdo\_oci

extension=pdo\_odbc

extension=pdo\_pgsql

extension=pdo\_sqlite

extension=pgsql

extension=shmop

lalu ubah kelompok barisan berikut

;extension=soap

;extension=sockets

```
;extension=sqlite3
```

```
;extension=tidy
```

```
;extension=xmlrpc
```

```
;extension=xsl
```

Menjadi seperti dibawah ini

```
extension=soap
```

```
extension=sockets
```

```
extension=sqlite3
```

```
extension=tidy
```

```
extension=xmlrpc
```

```
extension=xsl
```

lalu save dan restart apache.