

 무료 전자 책

배우기

apache

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1:

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· , ·

## Apache httpd

1.3	1.3.42	1998-06-06
2.0	2.0.65	2002-04-06
2.2	2.2.32	2005-12-01
2.4	2.4.25	2012-02-21

## Examples

.

```
sudo apt-get install apache2
```

## Windows

[WAMP](#) . WAMP Windows, Apache, MySQL, PhpMyAdmin .

## CentOS

2.2 CentOS6 , 2.4 CentOS7 OS .

```
yum -y install httpd
```

## macOS

macOS Apache Apache Homebrew Apache .

Apache .

```
$ sudo apachectl stop
```

```
$ sudo launchctl unload -w /System/Library/LaunchDaemons/org.apache.httpd.plist 2>/dev/null
$ brew install httpd24 --with-privileged-ports --with-http2
```

## [] Hello World

Hello World HTML .

!

- sudo apt-get install apache2

## HTML

```
/var/www/html/ . . , cd, cd /var/www/html/ .
```

html . Hello World .

.

```
<!DOCTYPE html>
<html>
<head>
  <title>Hello World!</title>
</head>
<body>
  <h1>Hello World!</h1>
</body>
</html>
```

index.html !

```
localhost . 127.0.0.1 . "Hello World!" . h1 . !
```

▪

.

```
$ ps -aef | grep httpd
```

httpd .

: [https://riptutorial.com/ko/apache/topic/964/-](https://riptutorial.com/ko/apache/topic/964/)

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## 2:

Apache Flume , (etc ...) / / .

Flume . ( ) HDFS .

## Examples

/

, , . .

- / . .

.

. . HDFS put .put .

: [https://riptutorial.com/ko/apache/topic/9630/-](https://riptutorial.com/ko/apache/topic/9630/)

# 3: .htaccess

## Examples

Apache RewriteEngine URL .

```
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteBase /
RewriteRule ^index\.php$ - [L]
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule . /index.php [END]
</IfModule>
```

PHP index.php ( index.html ). WordPress .

Apache httpd 2.2.16 FallbackResource .

```
FallbackResource /index.php
```

## HTTPS

.htaccess HTTP HTTPS .

```
RewriteEngine On
RewriteCond %{HTTPS} =off
RewriteRule ^ https://%{HTTP_HOST}%{REQUEST_URI} [L,R=301]
```

: %{HTTP\_HOST} ) .

%{HTTP\_HOST} %{HTTP\_HOST} .

1. RewriteEngine .
2. HTTPS .
3. https://%{HTTP\_HOST}%{REQUEST\_URI} HTTP 301 .
  - %{HTTP\_HOST} ( )
  - %{REQUEST\_URI} URI ( ).

: HTTPS Apache .

HTTP .htaccess Redirect . <http://wiki.apache.org/httpd/RedirectSSL> .

## CORS



Apache **CORS ( Cross-Origin Resource Sharing)** HTTP ( CORS ). HTTP .htaccess .  
site your-site.conf Apache . Apache ( :<VirtualHost> , <Directory> , <Location> <Files>  
HTTP .

CORS HTTP .

```
Access-Control-Allow-Origin  
  
Access-Control-Allow-Credentials  
Access-Control-Allow-Methods  
Access-Control-Max-Age  
Access-Control-Allow-Headers  
Access-Control-Expose-Headers
```

" " . HTTP ( ) . [https://en.wikipedia.org/wiki/Cross-origin\\_resource\\_sharing](https://en.wikipedia.org/wiki/Cross-origin_resource_sharing) .

HTTP Access-Control-Allow-Origin . , ( ) .

SSL FQDN (Full Qualified Domain Name) <Directory> config HTTP .

```
<Directory /path/to/your/site/>  
    Header set Access-Control-Allow-Origin "https://my.CLIENT.domain"  
</Directory>
```

<https://my.client.domain> .

: Access-Control-Allow-Origin: "\*" , . API . HTTP . API HTTP " " . Apache  
. , CORS HTTP ( API).

```
<Directory /path/to/your/site/>  
    Options +FollowSymLinks  
    Options +Indexes  
    RewriteEngine On  
  
    #Make sure it's not a specific file or directory that they're trying to reach  
    RewriteCond %{SCRIPT_FILENAME} !-f  
    RewriteCond %{SCRIPT_FILENAME} !-d  
    Header set Access-Control-Allow-Origin "*"   
    RewriteRule ^(.*)$ index.php/$1 [L]  
</Directory>
```

[mod\\_headers](#) : a2enmod headers

## 301 Htaccess

HTTP 301 URL . , URL . URL . 301 HTTP HTTPS . PHP-APACHE htaccess .

```
Redirect 301 /oldpage/ /newpage/
```

htaccess SSL www URL .

```
RewriteEngine On
```

```
RewriteCond %{HTTPS} off
RewriteCond %{HTTP_HOST} ^www\.(.*)$ [NC]
RewriteRule ^(.*)$ http://%1/$1 [R=301,L]

RewriteCond %{HTTPS} on
RewriteCond %{HTTP_HOST} ^www\.(.*)$ [NC]
RewriteRule ^(.*)$ https://%1/$1 [R=301,L]

RewriteEngine On
RewriteCond %{SERVER_PORT} 80
RewriteRule ^(.*)$ https://example.com/$1 [R,L]
```

**.htaccess** : <https://riptutorial.com/ko/apache/topic/2089/--htaccess->

# 4:

Apache VirtualHost [Apache Virtual Host](#) . VirtualHost .

## Examples

Apache [Apache](#) .

HTTP . IP .

. / etc / apache2 / sites-available . 000-default.conf . , .

**example.com domain.com . :**

```
cp 000-default.conf example.com.conf
```

```
<VirtualHost *:80>
    ServerAdmin admin@example.com
    ServerName example.com
    ServerAlias www.example.com

    DocumentRoot /var/www/example.com/html

    ErrorLog /var/log/apache/logs/error.log
    # Possible values include: debug, info, notice, warn, error, crit,
    # alert, emerg.
    LogLevel warn

    CustomLog /var/log/apache/logs/access.log combined
</VirtualHost>
```

- 80 ( http ) . \* IP .
- ServerAdmin http .
- ServerName .
- ServerAlias www.domain.com.
- DocumentRoot .
- ErrorLog .
- LogLevel . .
- CustomLog .

example.com .

Apache .

```
sudo a2ensite example.com.conf
```

```
sudo service apache2 reload
```

:

- DNS IP ( ).
- 80 .
- . www-data : www-data 750 640.

!/ var / www .

## PHP

PHP .

- PHP .
- .

```
<VirtualHost *:80>
  ServerName example.com
  DocumentRoot /var/www/domains/example.com/html
  ErrorLog /var/www/domains/example.com/apache.error.log
  CustomLog /var/www/domains/example.com/apache.access.log common
  php_flag log_errors on
  php_flag display_errors on
  php_value error_reporting 2147483647
  php_value error_log /var/www/domains/example.com/php.error.log
</VirtualHost>
```

: display\_errors .

## WAMP

Windows 7 PC .

1 : GOTO -> C : \ Windows \ System32 \ drivers \ etc "hosts" . .

++ .

. .

. 127.0.0.1 localhost . : 127.0.0.1 myproject1.local "localhost / myproject1"  
"myproject1.local" .

2 : . GOTO : C : \ wamp \ bin \ apache \ Your-Apache-Version \ conf \ extra "httpd-vhosts"

. .

```
<VirtualHost *:80>
  ServerAdmin webmaster@dummy.example.com
  DocumentRoot "c:/wamp/www/myproject1/"
  ServerName myproject1.local
  ErrorLog "logs/myproject1.local-error.log"
  CustomLog "logs/myproject1.local.log" common
</VirtualHost>
```

"c : / wamp / www / myproject1 /" .

**3 : GOTO : C : \ wamp \ bin \ apache \ your-Apache-version \ conf**

"httpd.conf" . "# " . "Include conf / extra / httpd-vhosts.conf" . wamp-server .

myproject1.local .

localhost URL localhost . ... "httpd-vhosts" .

```
<VirtualHost *:80>
    ServerAdmin webmaster@dummy.example.com
    DocumentRoot "c:/wamp/www"
    ServerName localhost
    ErrorLog "logs/localhost-error.log"
    CustomLog "logs/localhost.log" common
</VirtualHost>
```

**WAMP** .

**Chintan Gor**

**1) IP 2) 3) (Apache2.4)**

**1) IP**

```
<VirtualHost 192.168.13.37>
    ServerName example.com
    DocumentRoot /var/www/domains/example.com/html
    ErrorLog /var/log/example.com/error.log
    CustomLog /var/log/example.com/access.log common
</VirtualHost>

<VirtualHost 192.168.47.11>
    ServerName otherurl.com
    DocumentRoot /srv/www/htdocs/otherurl.com/html
    ErrorLog /var/log/otherurl.com/error.log
    CustomLog /var/log/otherurl.com/access.log common
</VirtualHost>
```

IP . .

**2) vhosts**

NameVirtualHost vhost .

```
<VirtualHost *:80>
    DocumentRoot /srv/www/htdocs/otherurl.com/html
    ErrorLog /var/log/otherurl.com/error.log
    CustomLog /var/log/otherurl.com/access.log common
</VirtualHost>

<VirtualHost *:80>
    ServerName example.com
```

```
ServerAlias ex1.com ex2.com
DocumentRoot /var/www/domains/example.com/html
ErrorLog /var/log/example.com/error.log
CustomLog /var/log/example.com/access.log common
</VirtualHost>
```

. IP 80 . ex1.com . URL (otherurl.com, example3.com) URL . " .

## (Apache2.4)

```
<Macro VHost $port $host>
  <VirtualHost *: $port>
    Servername $host
    DocumentRoot /srv/www/htdocs/$host
    ErrorLog /var/log/$host/error.log
  </VirtualHost>
</Macro>

Use VHost 80 example.com
Use VHost 443 secure_example.com
```

. 80 443, .

## HTTPS

URL .

```
<VirtualHost *:80>
  ServerName example.com
  SSLProxyEngine on
  Redirect permanent / https://secure_example.com/
</VirtualHost>
```

ssl (443) .

```
<VirtualHost _default_:443>
  ServerName secure_example.com
  ServerAdmin webmaster@example.com
  DocumentRoot /var/www/domains/secure_example.com/html
  ErrorLog /var/log/secure_example.com/error.log
  CustomLog /var/log/secure_example.com/access.log common
  SSLEngine On
  ...
</VirtualHost>
```

: <https://riptutorial.com/ko/apache/topic/4856/---->

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