# Setting Up Apache on CentOS Server

1. Install Apache on Centos using yum

Yum install httpd -y

1. Start and Enable Apache Service
2. Create a Directory for the Website. Let’s create Directory as /opt/rtcorp
3. Create Directory for Logs as well. Let’s say log path is /opt/rtcorp/logs
4. Assign the ownership of the directory with $USER variable   
    chown -R $USER:$USER /opt/rtcorp
5. Assign Ownership as 755 for above directory
6. Create Index.html with content inside /opt/rtcorp/index.html
7. Create sites-avilable and sites-enabled directory   
    mkdir /etc/httpd/sites-available /etc/httpd/sites-enabled
8. Edit /etc/httpd/conf/httpd.conf and add the below line to the end   
    IncludeOptional sites-enabled/\*.conf
9. Create virtual host file in /etc/httpd/sites-available/mydomain\_configs.conf and below config

<VirtualHost \*:80>

ServerName myserver.com #Your Domain

ServerAlias myserver.com #Your Domain

DocumentRoot /opt/rtcorp # Location Where website files available

ErrorLog /opt/rtcorp/log # Location Where logs are available

CustomLog /opt/rtcorp/log/requests.log combined

</VirtualHost>

1. Create a symbolic link for each virtual host in the sites-enabled directory:  
   sudo ln -s /etc/httpd/sites-available/your\_domain.conf /etc/httpd/sites-enabled/your\_domain.conf
2. By Default Only one server block is defined in the apache configuration file ( /etc/httpd/conf/httpd.conf) . That is /var/www/ directory. If We want to use another directory to server our website file add config as below . If this not done apache server error log for the site (In Opt location) will have error below like error

AH01630: client denied by server configuration: /opt/rtcorp/

<Directory "/var/www">

AllowOverride None

# Allow open access:

Require all granted

</Directory>

<Directory "/opt/rtcorp">

AllowOverride None

# Allow open access:

Require all granted

</Directory>

1. Restart Apache Service after that

By using virtual host we can host multipe website for multiple domain inside a single Web Server.

We can host second/multiple sites on the same server as well. Only thing to do it create directory for the website, the create a virtual host for the second site, then create softlinks for config file for second site. After that add Document root config (step 12) for the new site directory location. Then it will host the second site.

For the testing of site we can use host file and create a record for the website domain name

Reference : <https://www.digitalocean.com/community/tutorials/how-to-install-the-apache-web-server-on-centos-7>

<https://www.mysysadmintips.com/linux/servers/586-host-multiple-websites-on-apache-in-centos>