# 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.

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