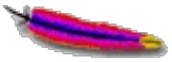
Table Of Contents

Table Of Contents 1
Apache 2 Name based virtualhost Configuration 2
Virtual Hosts and IP addresses IPv4 has limited set of IP address. If you want to maintain multiple domains/hostname: 2

nixCraft: Linux Tips, Hacks, Tutorials, And Ideas In Blog Format
http://www.cyberciti.biz/

Apache Name Based VirtualHost Example

Posted by Vivek Gite <vivek@nixcraft.com>

 [1]

Q. Can you give or specify an example for Apache name based VirtualHost feature under CentOS/ RHEL / Fedora Linux?

A. The term Virtual Host refers to the practice of maintaining more than one web site on one Apache machine or server.

The NameVirtualHost directive is a required directive if you want to configure name-based virtual hosts.

With the NameVirtualHost directive you specify the IP address on which the server will receive requests for the name-based virtual hosts. This will usually be the address to which your name-based virtual host names resolve.

Apache 2 Name based virtualhost Configuration

For example if your IP address is 203.54.2.5. Set it as follows in httpd.conf file:

```
# vi /etc/httpd/conf/httpd.conf
```

Set NameVirtualHost as follows:

```
NameVirtualHost 203.54.2.5:80
```

Let us see how your virtual host entry looks for two domains called theos.in and nixcraft.com . Code for theos.in domain:

```
<VirtualHost theos.in/>
ServerAdmin webmaster@theos.in
DocumentRoot /var/www/theos.in
ServerName theos.in
ServerAlias www.theos.in
ErrorLog /var/logs/httpd/theos.in/error_log
CustomLog /var/logs/httpd/theos.in/access_log common
</VirtualHost>
```

Code for nixcraft.com domain:

```
<VirtualHost nixcraft.com/>
ServerAdmin webmaster@nixcraft.com
DocumentRoot /var/www/nixcraft.com
ServerName nixcraft.com
ServerAlias www.nixcraft.com
ErrorLog /var/logs/httpd/nixcraft.com/error_log
CustomLog /var/logs/httpd/nixcraft.com/access_log common
</VirtualHost>
```

Save and close the file. Restart Apache:

```
# /etc/init.d/httpd restart
```

Make sure both domains theos.in and nixcraft.com points to (A address) 203.54.2.5. Also make sure you create /var/logs/httpd/domain-name directories and point ftp user directory to appropriate /var/www/domain-name directory.

Virtual Hosts and IP addresses

IPv4 has limited set of IP address. If you want to maintain multiple domains/hostnames on your
machine you can setup VirtualHost containers for them. Most configurations use only

name-based virtual hosts so the server doesn't need to worry about IP addresses using the asterisks in the config file as follows:

```
NameVirtualHost *:80

<VirtualHost *:80>
    ServerAdmin webmaster@dummy-host.example.com
    DocumentRoot "/usr/local/docs/dummy-host.example.com"
    ServerName dummy-host.example.com
    ServerAlias www.dummy-host.example.com
    ErrorLog "/var/log/dummy-host.example.com-error_log"
    CustomLog "/var/log/dummy-host.example.com-access_log" common
</VirtualHost>

<VirtualHost *:80>
    ServerAdmin webmaster@dummy-host2.example.com
    DocumentRoot "/usr/local/docs/dummy-host2.example.com"
    ServerName dummy-host2.example.com
    ErrorLog "/var/log/dummy-host2.example.com-error_log"
    CustomLog "/var/log/dummy-host2.example.com-access_log" common
</VirtualHost>
```

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our daily email newsletter or weekly newsletter to make sure you don't miss a single tip/tricks. Alternatively, subscribe via RSS/XML feed.

Article printed from Frequently Asked Questions About Linux / UNIX: **http://www.cyberciti.biz/faq/**

URL to article: **http://www.cyberciti.biz/faq/apache-name-based-virtualhost-example/**

URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/category/apache/**

Copyright © 2006-2010 nixCraft. All rights reserved. This print / pdf version is for personal non-commercial use only. More details http://www.cyberciti.biz/tips/copyright.