



Entendendo Virtual Hosts

Hospedando mais de um site por servidor

O que são Virtual Hosts?

Virtual Host é um recurso incrível
para os desenvolvedores.

Sabemos que a pasta htdocs é o
nossa localhost, o lugar onde o
Apache procura os arquivos de
nossa projeto.

Imagine que tenhamos muitos
projetos e queremos acessar
todos eles individualmente
Usamos um virtual host para isso
O mais interessante é que
podemos acessá-los como um site
realmente.

Vamos dar um exemplo:
Suponhamos que temos um projeto
na pasta C:/xampp/htdocs/website
Vamos criar um virtual host para esse
projeto

Para isso acesse
**C:/xampp/apache/conf/extra/
httpd-vhosts.conf**



```
File Edit Selection Find View Goto Tools Project Preferences Help
httpd-vhosts.conf x
1 # Virtual Hosts
2 #
3 # Required modules: mod_log_config
4 #
5 # If you want to maintain multiple domains/hostnames on your
6 # machine you can setup VirtualHost containers for them. Most configurations
7 # use only name-based virtual hosts so the server doesn't need to worry about
8 # IP addresses. This is indicated by the asterisks in the directives below.
9 #
10 # Please see the documentation at
11 # <URL:http://httpd.apache.org/docs/2.4/vhosts/>
12 # for further details before you try to setup virtual hosts.
13 #
14 # You may use the command line option '-S' to verify your virtual host
15 # configuration.
16 #
17 #
18 # Use name-based virtual hosting.
19 #
20 ##NameVirtualHost *:80
21 #
22 # VirtualHost example:
23 # Almost any Apache directive may go into a VirtualHost container.
24 # The first VirtualHost section is used for all requests that do not
25 # match a ##ServerName or ##ServerAlias in any <VirtualHost> block.
26 #
27 ##<VirtualHost *:80>
28     ##ServerAdmin webmaster@dummy-host.example.com
29     ##DocumentRoot "C:/xampp/htdocs/dummy-host.example.com"
30     ##ServerName dummy-host.example.com
31     ##ServerAlias www.dummy-host.example.com
32     ##ErrorLog "logs/dummy-host.example.com-error.log"
Line 42, Column 17 | Spaces: 4 | Plain Text
```

Agora, para configurar um novo Virtual Host adicione este bloco de código:

```
<VirtualHost *:80>
    ServerName local.cursophp7.com.br
    DocumentRoot "C:/xampp/htdocs/website"
    SetEnv APPLICATION_ENV "development"
    <Directory " C:/xampp/htdocs/website">
        Options Indexes FollowSymLinks Includes ExecCGI
        AllowOverride All
        Require all granted
    </Directory>
</VirtualHost>
```

O arquivo deve ficar desta maneira

```
httpd-vhosts.conf
25 # match a ##ServerName or ##ServerAlias in any <VirtualHost> block.
26 #
27 ##<VirtualHost *:80>
28     ##ServerAdmin webmaster@dummy-host.example.com
29     ##DocumentRoot "C:/xampp/htdocs/dummy-host.example.com"
30     ##ServerName dummy-host.example.com
31     ##ServerAlias www.dummy-host.example.com
32     ##ErrorLog "logs/dummy-host.example.com-error.log"
33     ##CustomLog "logs/dummy-host.example.com-access.log" common
34 ##</VirtualHost>
35
36 ##<VirtualHost *:80>
37     ##ServerAdmin webmaster@dummy-host2.example.com
38     ##DocumentRoot "C:/xampp/htdocs/dummy-host2.example.com"
39     ##ServerName dummy-host2.example.com
40     ##ErrorLog "logs/dummy-host2.example.com-error.log"
41     ##CustomLog "logs/dummy-host2.example.com-access.log" common
42 ##</VirtualHost>
43
44 <VirtualHost *:80>
45     ServerName local.cursophp7.com.br
46     DocumentRoot "C:/xampp/htdocs/website"
47     SetEnv APPLICATION_ENV "development"
48     <Directory "C:/xampp/htdocs/website">
49         Options Indexes FollowSymLinks Includes ExecCGI
50         AllowOverride All
51         Require all granted
52     </Directory>
53 </VirtualHost>
```

Após isso, reinicie o Apache

Entretanto, se tentarmos acessar o endereço do Virtual Host, o navegador irá informar um erro, ou redirecionar para outro site na internet

Isso por que o computador ainda não sabe que aquele endereço se refere ao endereço local. Para mudarmos isso, acesse **C:/Windows/System32/drivers/etc/hosts**

O arquivo deve estar assim:

```
httpd-vhosts.conf hosts

1 # Copyright (c) 1993-2009 Microsoft Corp.
2 #
3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4 #
5 # This file contains the mappings of IP addresses to host names. Each
6 # entry should be kept on an individual line. The IP address should
7 # be placed in the first column followed by the corresponding host name.
8 # The IP address and the host name should be separated by at least one
9 # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
12 # lines or following the machine name denoted by a '#' symbol.
13 #
14 # For example:
15 #
16 #      102.54.94.97    rhino.acme.com        # source server
17 #      38.25.63.10    x.acme.com            # x client host
18 #
19 # localhost name resolution is handled within DNS itself.
20 #      127.0.0.1    localhost
21 #      ::1          localhost
22
23 0.0.0.1 mssplus.mcafee.com
```

Agora, precisamos apenas informar que o endereço do Virtual Host é em nosso localhost
Desta forma:

```
httpd-vhosts.conf x hosts x
1 # Copyright (c) 1993-2009 Microsoft Corp.
2 #
3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4 #
5 # This file contains the mappings of IP addresses to host names. Each
6 # entry should be kept on an individual line. The IP address should
7 # be placed in the first column followed by the corresponding host name.
8 # The IP address and the host name should be separated by at least one
9 # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
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14 # For example:
15 #
16 #      102.54.94.97    rhino.acme.com        # source server
17 #              38.25.63.10    x.acme.com        # x client host
18 #
19 # localhost name resolution is handled within DNS itself.
20 #      127.0.0.1    localhost
21 #              ::1    localhost
22 #
23 127.0.0.1    local.cursophp7.com.br
24
25 0.0.0.1 mssplus.mcafee.com
```



Com isso, já temos nosso primeiro projeto.

Caso tenhamos que definir outros projetos, basta criar um novo Virtual Host no arquivo `httpd-vhosts.conf` e pronto

Agora é só desenvolver o site.