

Creating Metadot Virtual Sites

The process for creating virtual sites is straight forward. The same concepts apply on either Linux or Windows versions.

Throughout this document I will be following the conventions below:
Metadot installation directory will be called \$METADOT_HOME and will be either:

Linux: /home/metadot/metadot
Windows: C:\data\metadot

Important Note: This document also assumes that you already have an instance of Metadot correctly running on your server.

For this example, I will be creating a virtual site vsite1 under the domain www.metadot.com. Hence, to finish, we will have <http://vsite1.metadot.com>

1. Create virtual site sitedata repository structure:

Create a vhost directory inside of \$METADOT_HOME structure

(On windows, use either the command prompt or Windows Explorer to create the directory structure, and to copy files)

```
prompt$ mkdir $METADOT_HOME/vhost  
prompt$ mkdir $METADOT_HOME/vhost/vsite1
```

2. Copy the default data for public and private uploads, and built-in skins into the vsite1 folder:

```
prompt$ cp -r $METADOT_HOME/sitedata $METADOT_HOME/vhost/vsite1/.
```

After this step, you will have the following directories under \$METADOT_HOME/vhost/vsite1/sitedata:

- Public
- Private
- Skins

Each of which may or may not have subdirectories.

3. Make sure the web server user has write access to sitedata directory

(WINDOWS can skip this step)

First, find out what system user runs the web server. Open your httpd.conf file and look for the string "User" and that will tell you the answer. Most likely this will be either:

- apache
- nobody
- www-data

To change the file ownership execute:

```
prompt# chown -R apache:apache $METADOT_HOME/vhost/vsite1/sitedata
```

Notice that the above step has to be performed by a user with system privileges (root account prompt)

4. Create a Metadot database instance

Go to the default_data directory inside of \$METADOT_HOME

```
prompt$ cd $METADOT_HOME/default_data
```

Create the new database instance

```
prompt$ mysql
mysql> create database metadot_vsite1;
mysql> grant all privileges on metadotdb_vsite1.* to 'metadot'@'localhost';
mysql> flush privileges;
mysql> quit;
```

Populate the new instance with the Metadot default data:

```
prompt$ mysql -umetadot -p metadotdb_vsite1 < sampledata.sql
Password:
```

You will need to enter your Metadot database user password. The default password is 'changeme'

5. Edit the Metadot configuration file to add a virtual site block

Open the file \$METADOT_HOME/etc/metadot.conf

You will see something like:

```
[metadot]
name = dbi:mysql:metadotdb
user = metadot
pass = changeme
dbtype = MySQL

public_uploads_dir $METADOT_HOME /sitedata/public
public_uploads_location = /public

jsform_type = Chain
jsform_filter = Checker|Dialog|Focus

controller_type = Metadot::MetadotController

skin_template_dir = $METADOT_HOME /sitedata/skins

...More configuration lines omitted...

servers = <<<SERVERS
localhost
www.metadot.com
SERVERS
```

To create a new virtual site block just append to the file the following block:

```
[metadot_vsite1]
name = dbi:mysql:metadotdb_vsite1
user = metadot
pass = changeme
```

```
dbtype = MySQL
```

```
public_uploads_dir = $METADOT_HOME/vhost/vsite1/sitedata/public  
public_uploads_location = /public
```

```
skin_template_dir = $METADOT_HOME/vhost/vsite1/sitedata/skins
```

```
servers = <<SERVERS  
vsite1.metadot.com  
SERVERS
```

6. Add a VirtualHost entry in the Apache configuration file

Locate and open your Apache configuration file (httpd.conf). On Windows, this will be located under:
C:\data\apache2\conf\httpd.conf

Add the following VirtualHost entry:

```
<VirtualHost *.80>  
  DocumentRoot $METADOT_HOME/html  
  ServerName vsite1.metadot.com  
  
  Alias /metadot/ $METADOT_HOME/metadot/  
  Alias /html/    $METADOT_HOME/html/  
  Alias /images/  $METADOT_HOME/html/images/  
  Alias /js/      $METADOT_HOME/html/js/  
  
  Alias /public/  $METADOT_HOME/vhost/vsite1/sitedata/public/  
  Alias /skins/   $METADOT_HOME/vhost/vsite1/sitedata/skins/  
</VirtualHost>
```

7. Restart your web server

8. Open your browser and go to your newly created Metadot virtual site!