

# CMF Installation

To install CMF, user needs to perform certain pre-requisite steps on both web server VM as well as on DB server VM.

## Setup

The steps in this document require the user to have root privileges on their virtual private server.

Once you have the user and required software, you can start installing CMF!

### 1. Step One—Download CMF

Get the source code of CMF from CMF website. Now upload the downloaded file using some file transfer client.

Now login to your web server using root credentials and go the directory where downloaded file was uploaded.

You can unzip it with the following command:

```
tar -zxvf cmf-1.0.tar.gz
```

Once the file is unzipped, move it your default web directory i.e /home2/cmf/docs.

```
mv cmf-1.0 /home2/cmf/docs
```

### 2. Step Two—Configure the Settings

After moving the CMF files into the web directory, switch in to the cmf docs directory:

```
cd /home2/cmf/docs
```

There are a couple of steps we need to take here:

First, copy the default settings file and rename the duplicate. Do not rename the default file—you need both files for the CMF installation.

```
cp sites/default/default.settings.php sites/default/settings.php
```

Second, allow the installer to write to the configuration file by updating the permissions for the file and for the settings directory:

```
chmod a+w sites/default/settings.php
```

```
chmod a+w sites/default
```

### 3. Step Three—Create the CMF Database and User

Please follow the below steps on DB server VM:-

- Connect to DB server VM using SSH client like SSH Secure Shell, [Putty](#) using server credentials.
- Now Go ahead and log into the MySQL Shell:

```
mysql -u root -p
```

- Login using your MySQL root password(default is none). We then need to create a CMF database, a user in that database, and give that user a new password. Keep in mind that all MySQL commands must end with semi-colon.  
First, let's make the database (I'm calling mine cmfdb for example). Feel free to give it whatever name you choose:

```
CREATE DATABASE cmfdb;
```

- Then we need to create the new user. You can replace the database, name, and password, with whatever you prefer:

```
CREATE USER cmfuser@<WEB_SERVER_IP>;
```

- Set the password for your new user:

```
SET PASSWORD FOR cmfuser@<WEB_SERVER_IP>= PASSWORD("password");
```

- Finish up by granting all privileges to the new user. Without this command, the CMF installer will not be able to harness the new mysql user to create the required tables:

```
GRANT ALL PRIVILEGES ON cmfdb.* TO cmfuser@<WEB_SERVER_IP> IDENTIFIED BY 'password';
```

- Then refresh MySQL:

```
FLUSH PRIVILEGES;
```

- Exit out of the MySQL shell:

**exit**

- Exit out of DB Server VM:

**Exit**

## 4. Step Four—Access the CMF Installer

Once you have placed the CMF files in the correct location on your VPS, assigned the proper permissions, and set up the MySQL database and username, you can complete the remaining steps in your browser.

Access the CMF installer by your site's domain or IP address (eg. example.gov.in)