Tournaments Project Hosting Setup on Hostinger

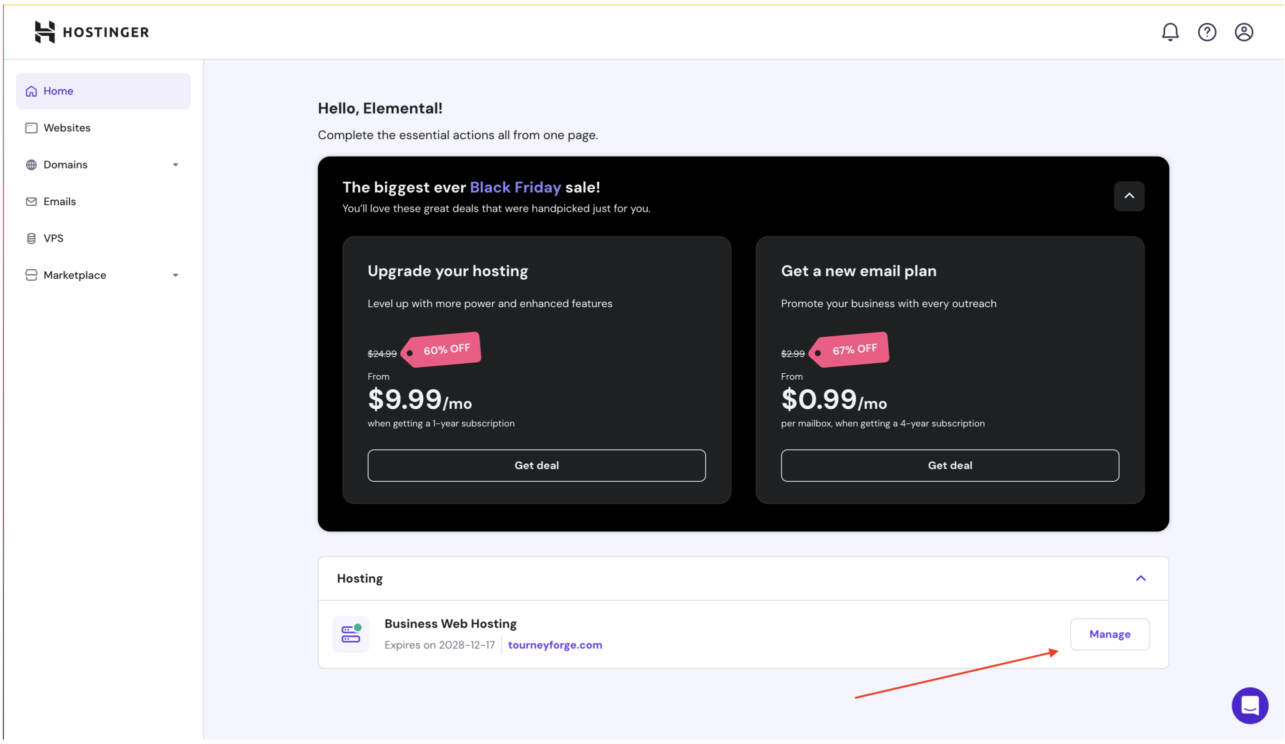
Prerequisites

Before you begin, ensure you have the following:

- A Hostinger account
- Domain name configured
- SSH password (credentials)

Step 1: Upload Project Files SSH VIA

1. Log in to your Hostinger account.
2. Navigate to the **Hosting** section and click **Manage**



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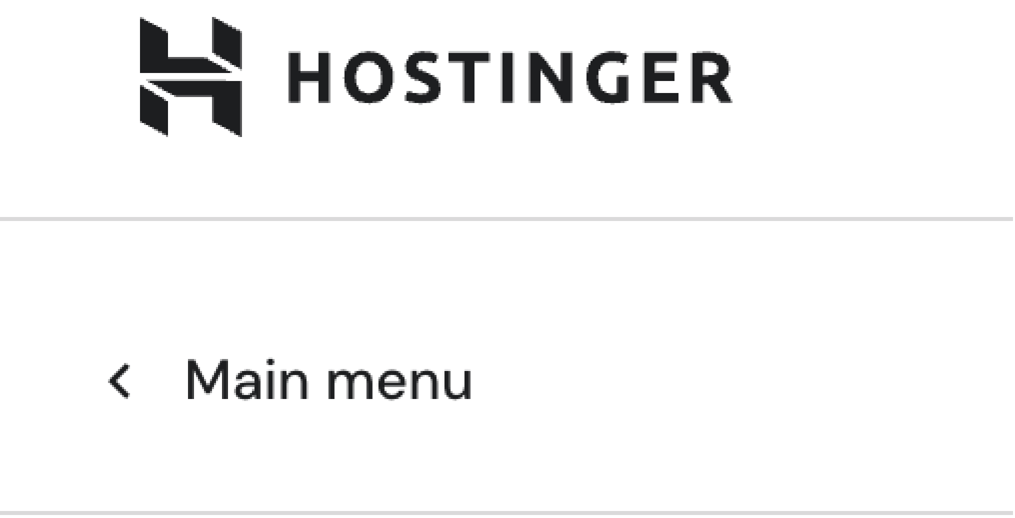
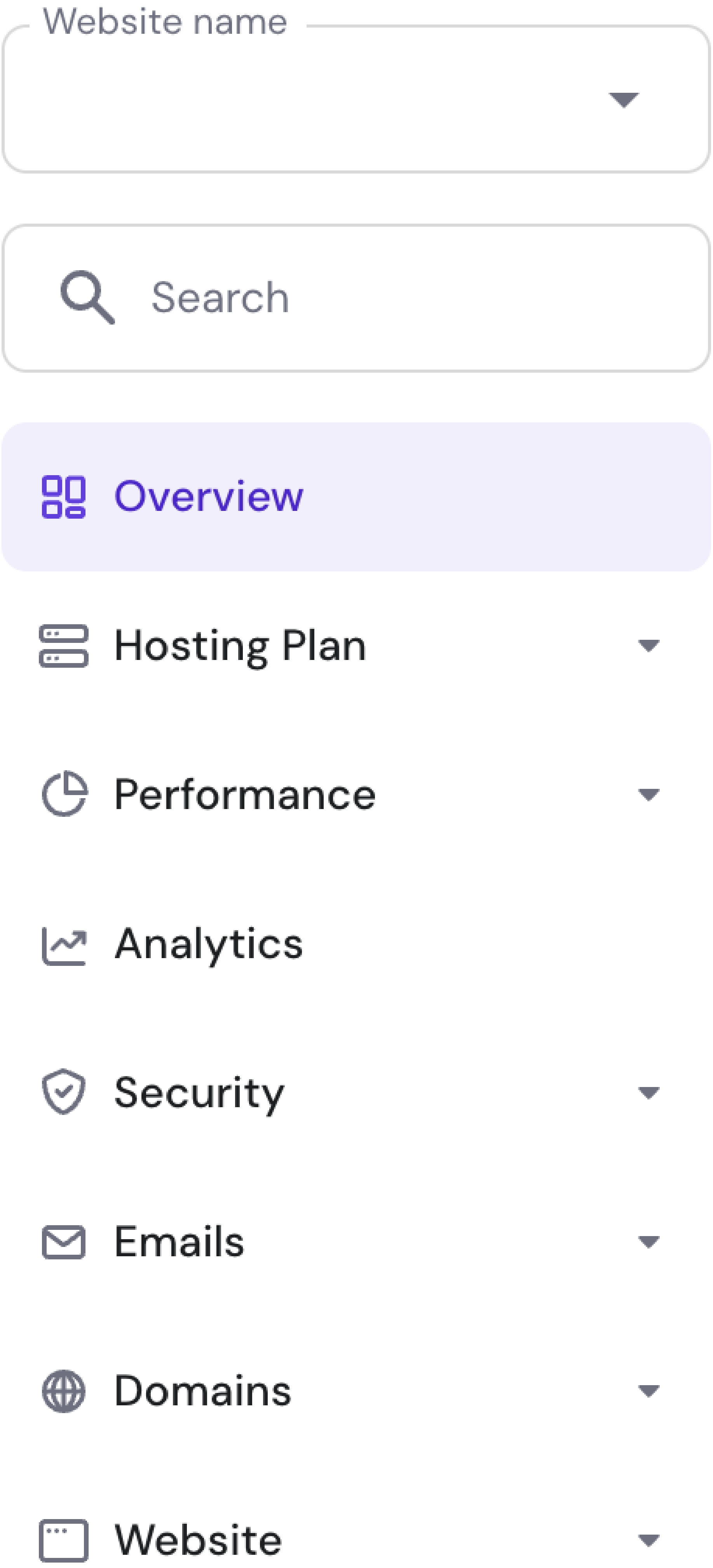
3. On the left menu, click **Advanced**

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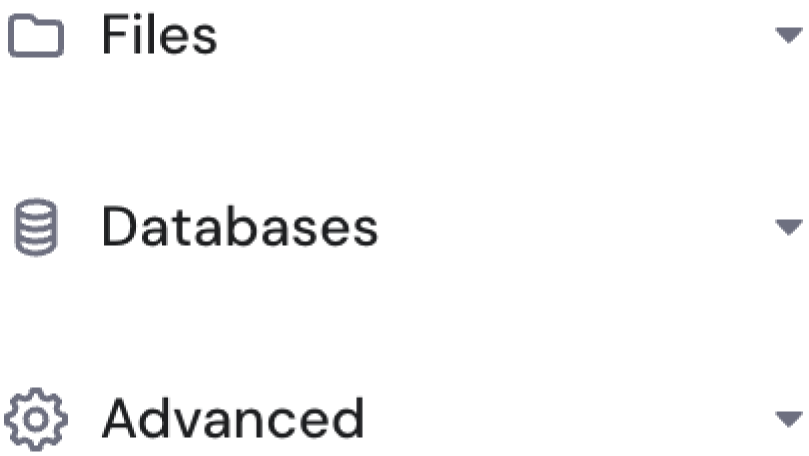
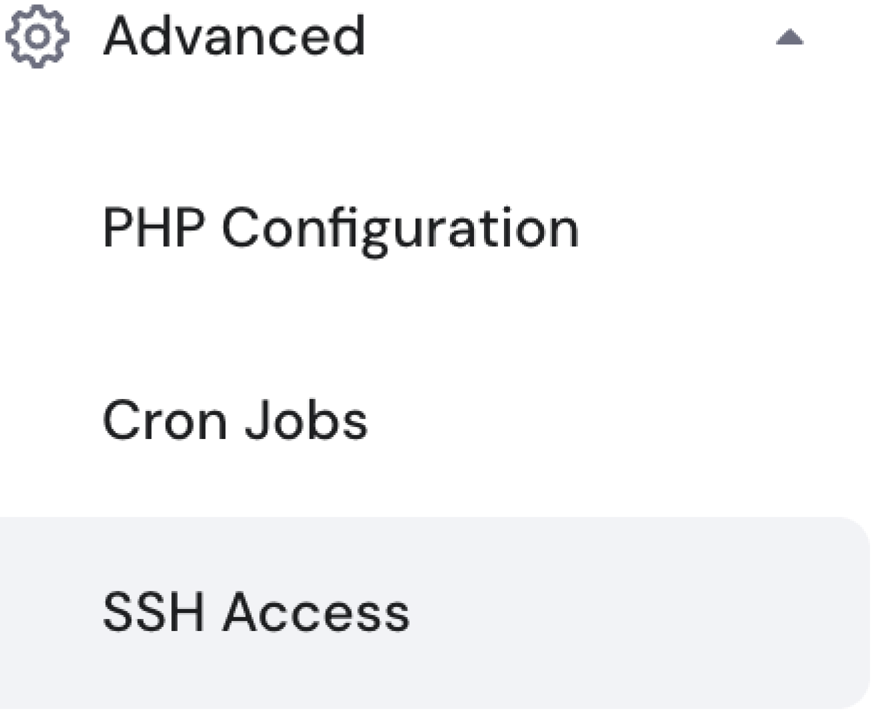
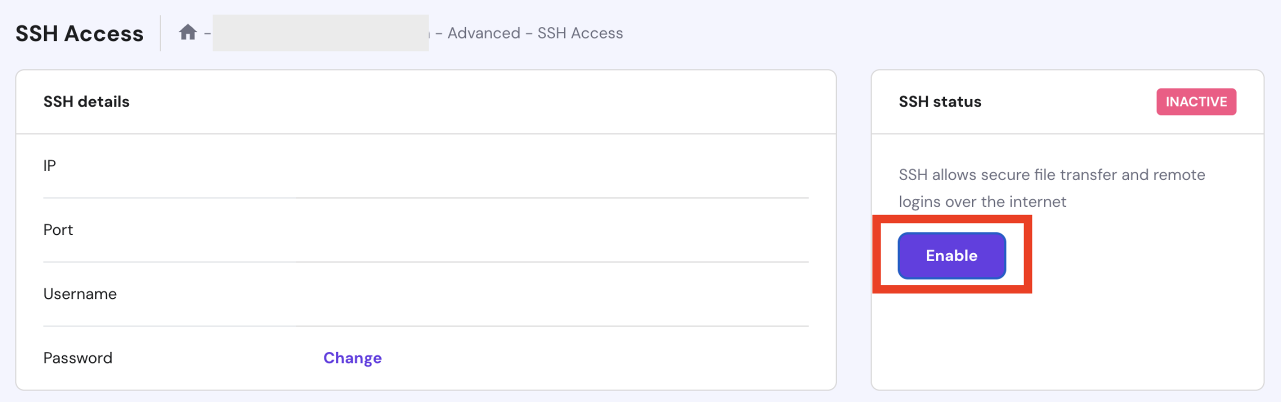


4. Click **SSH Acess**



-SSH (Secure Shell) is a protocol used to securely connect to a remote computer or server over a network. It provides encrypted communication for tasks such as command-line access, file transfers, and remote administration.

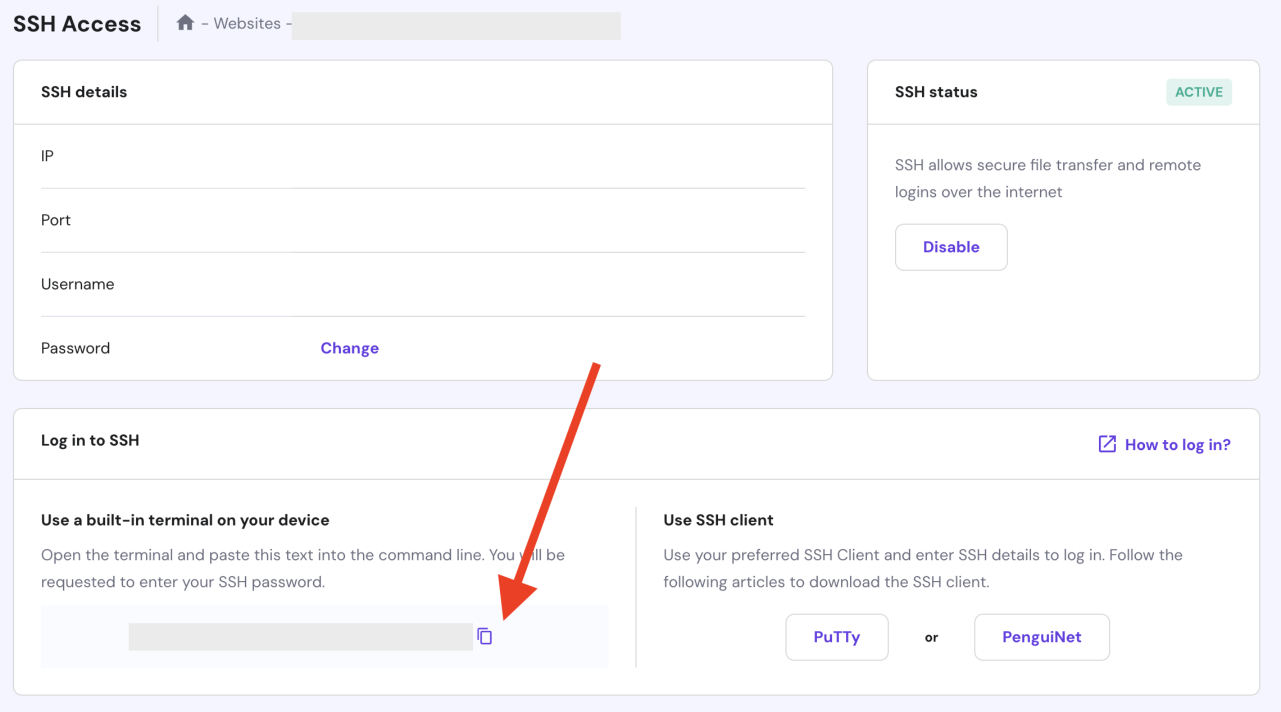
5. Under **SSH Status** click **Enable** and wait a moment until it turns on



SSH allows secure file transfer and remote logins over the internet

6. If you are **NOT** on **Windows** you can **skip** this step. If you are on **Windows** bruh... you are not cooking, Follow this: Tutorial to setup SSH for windows terminal

7. **Log in to SSH**, copy the **SSH** credentials into this section



SSH allows secure file transfer and remote logins over the internet

Open the terminal and paste this text into the command line. You will be requested to enter your SSH password.

[redacted]

Use your preferred SSH Client and enter SSH details to log in. Follow the following articles to download the SSH client.

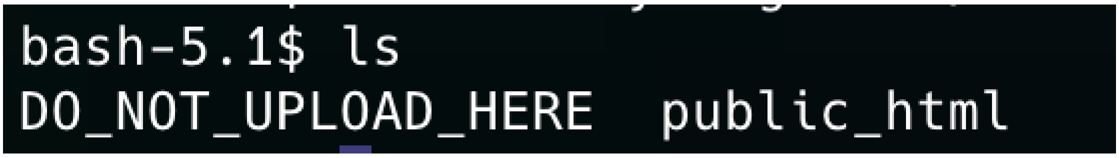
8. Open a **Terminal** and paste the **command** recently copied. You will be asked for Hostinger SSH Access **password**. **Input** the **corresponding** password You should now be connected to the Hostinger server terminal

```
bash-5.1$
```

9. Navigate to `your domain`.

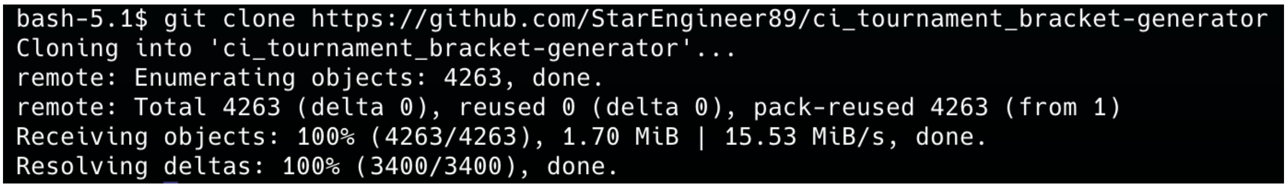
- `cd domains`
- `cd yourdomain.com`

You should now be in the following directory:



```
bash-5.1$ ls
DO_NOT_UPLOAD_HERE  public_html
```

10. Run: `git clone https://github.com/StarEngineer89/ci_tournament_bracket-generator` **Output**:



```
bash-5.1$ git clone https://github.com/StarEngineer89/ci_tournament_bracket-generator
Cloning into 'ci_tournament_bracket-generator'...
remote: Enumerating objects: 4263, done.
remote: Total 4263 (delta 0), reused 0 (delta 0), pack-reused 4263 (from 1)
Receiving objects: 100% (4263/4263), 1.70 MiB | 15.53 MiB/s, done.
Resolving deltas: 100% (3400/3400), done.
```

This means **Repository** is under **Hostinger's File Manager**.

Step 2: First part project Setup

1. **Navigate** to the repo directory `cd ci_tournament_bracket-generator/`

   Note: Shared Hostings normally don't allow users to edit their global dependencies, Hostinger's composer version is 1 and we need composer version 2. For that, we will use our **Local Directory Dependencies.**

2. **Run** `php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"`

3. **Run** `php composer-setup.php`

4. **Run** `php -r "unlink('composer-setup.php');"`

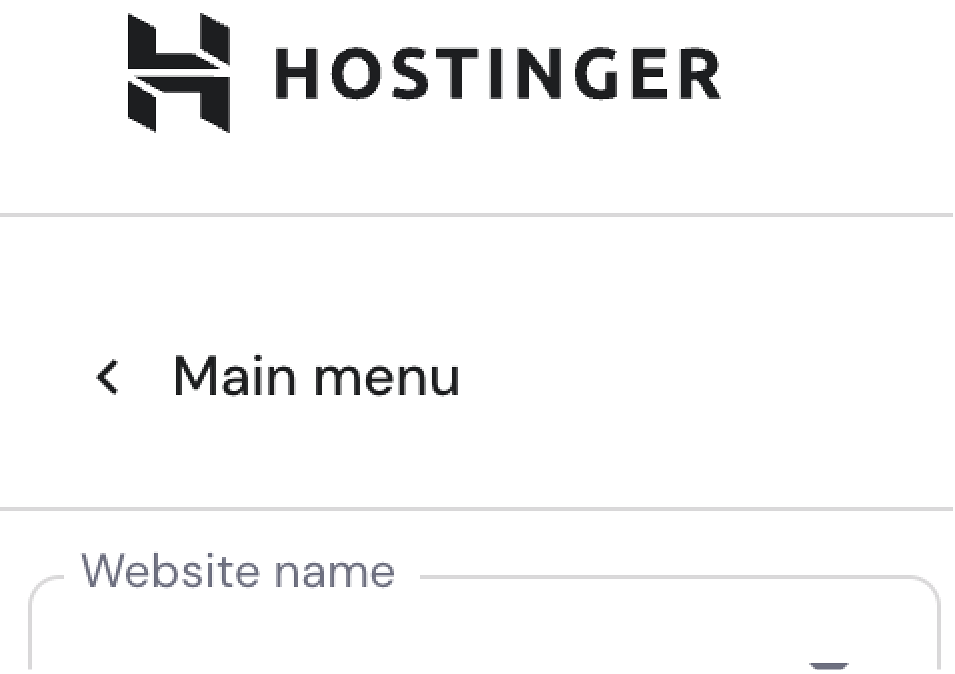
5. **Run Composer Locally** `php composer.phar update`

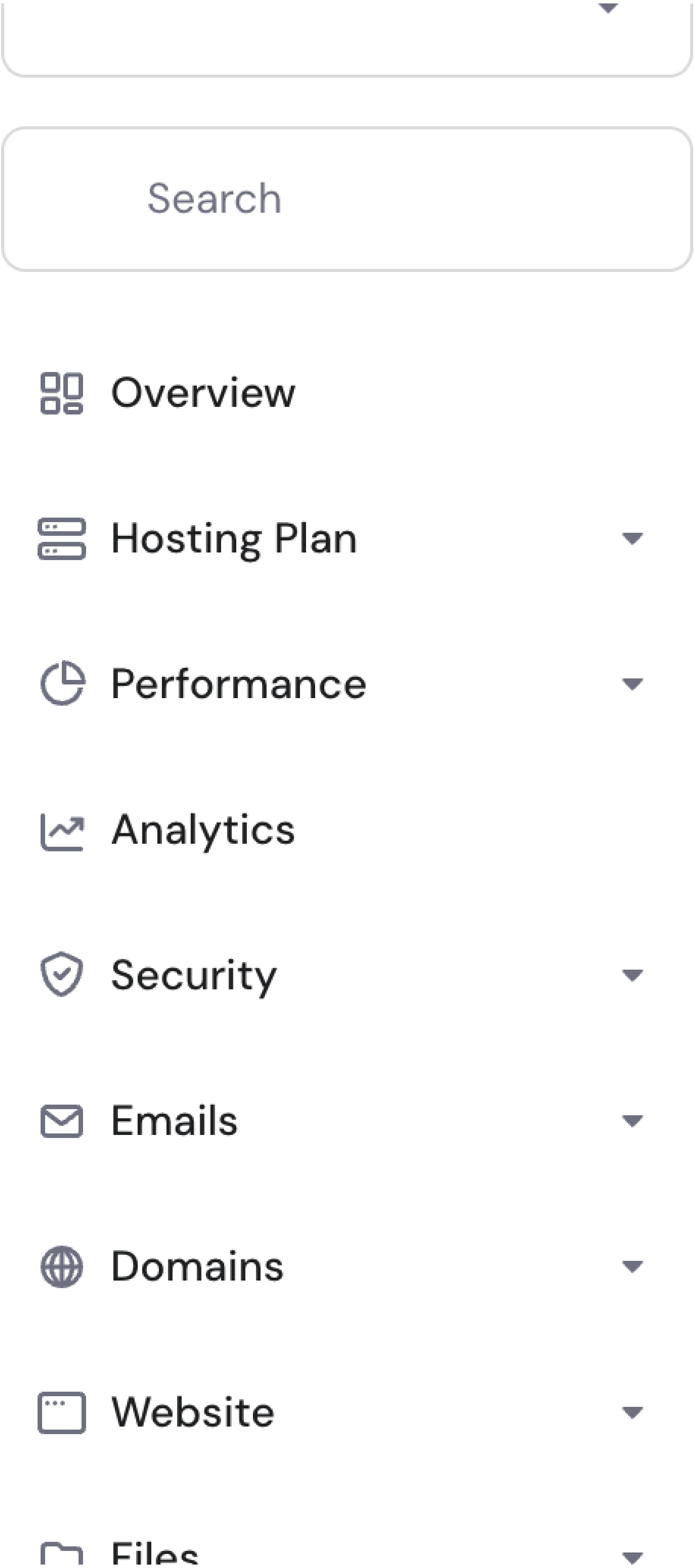
6. **Rename** env to .env `mv env .env`

7. **Verify** it was **successfully** renamed `ls -a` if you can see your `.env` file then it did.

Step 3: Configure the Database

1. Go back to your **Hostinger Host Manager**
2. In the left menu, click **Databases**

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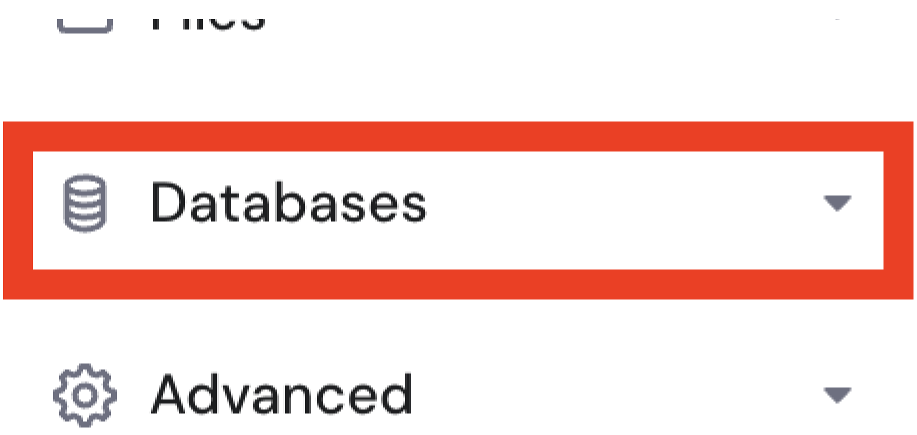
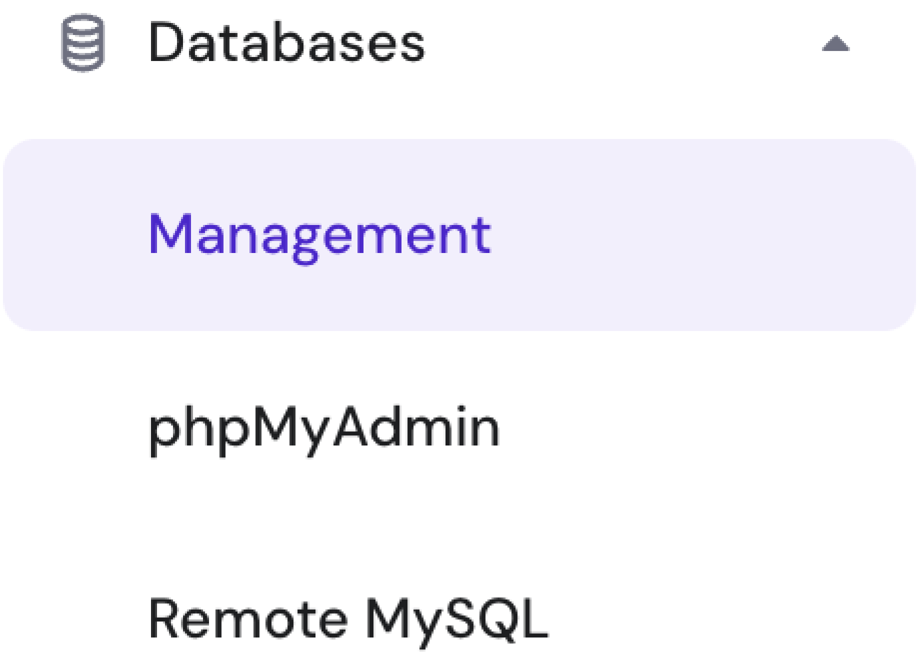
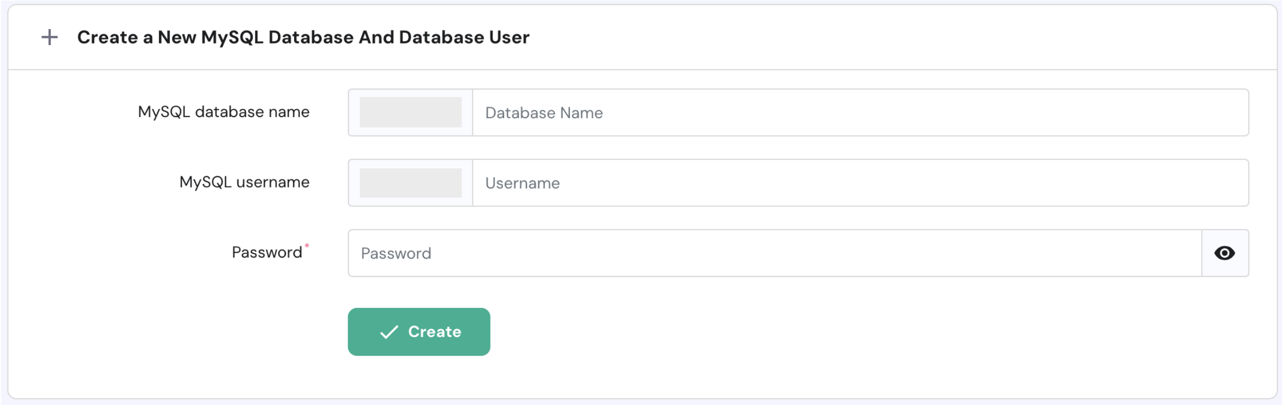


3. Click **Management**

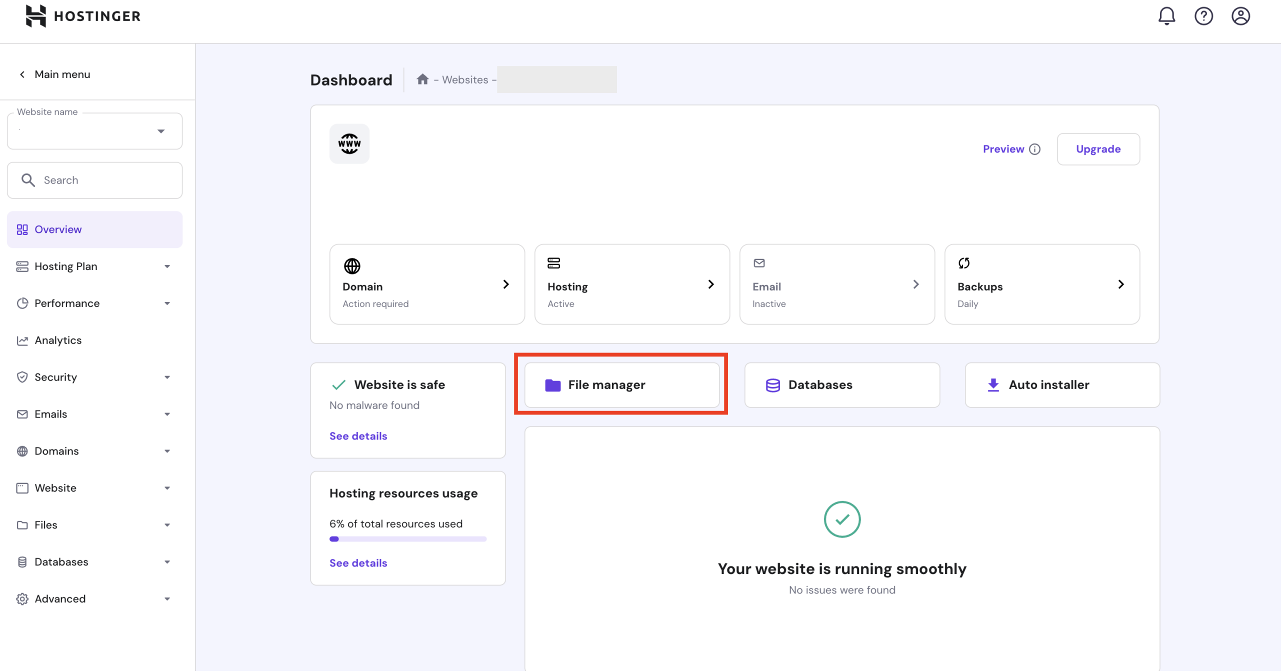


4. Create **database**

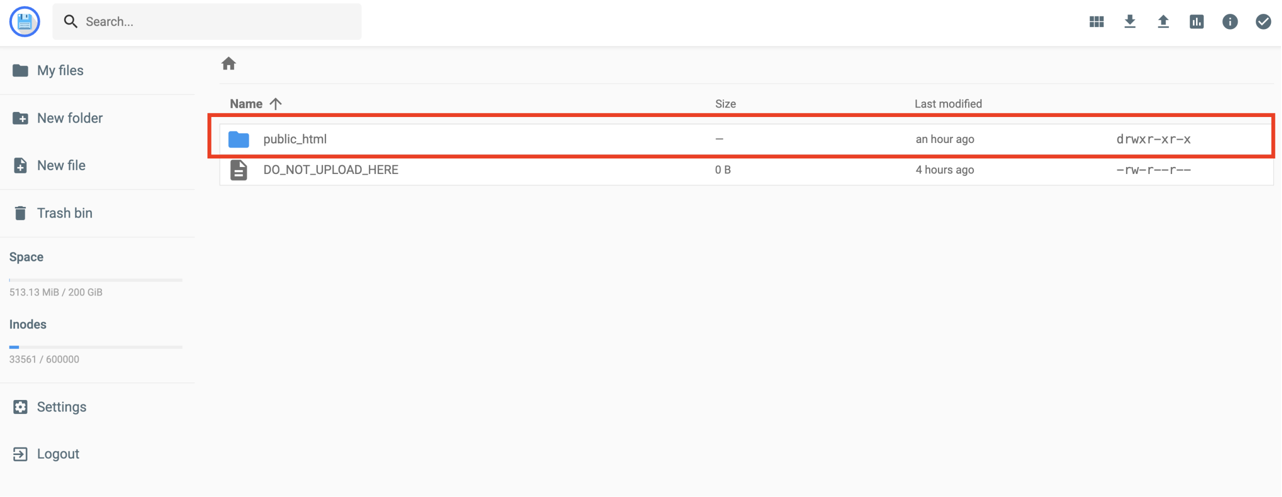


5. **Save** all database credentials in a notepad to continue with next steps.
6. **Edit** .env file you can either do it **SSH terminal with vim** or by using the **File Manager** in Hostinger

7. Go to **Overview** in **Hostinger** and click **File Manager**

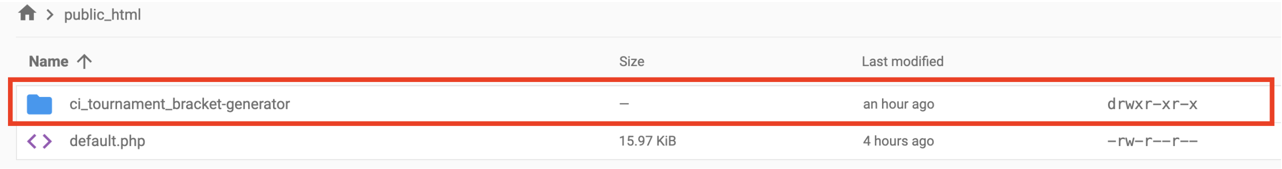


8. Open **public_html**



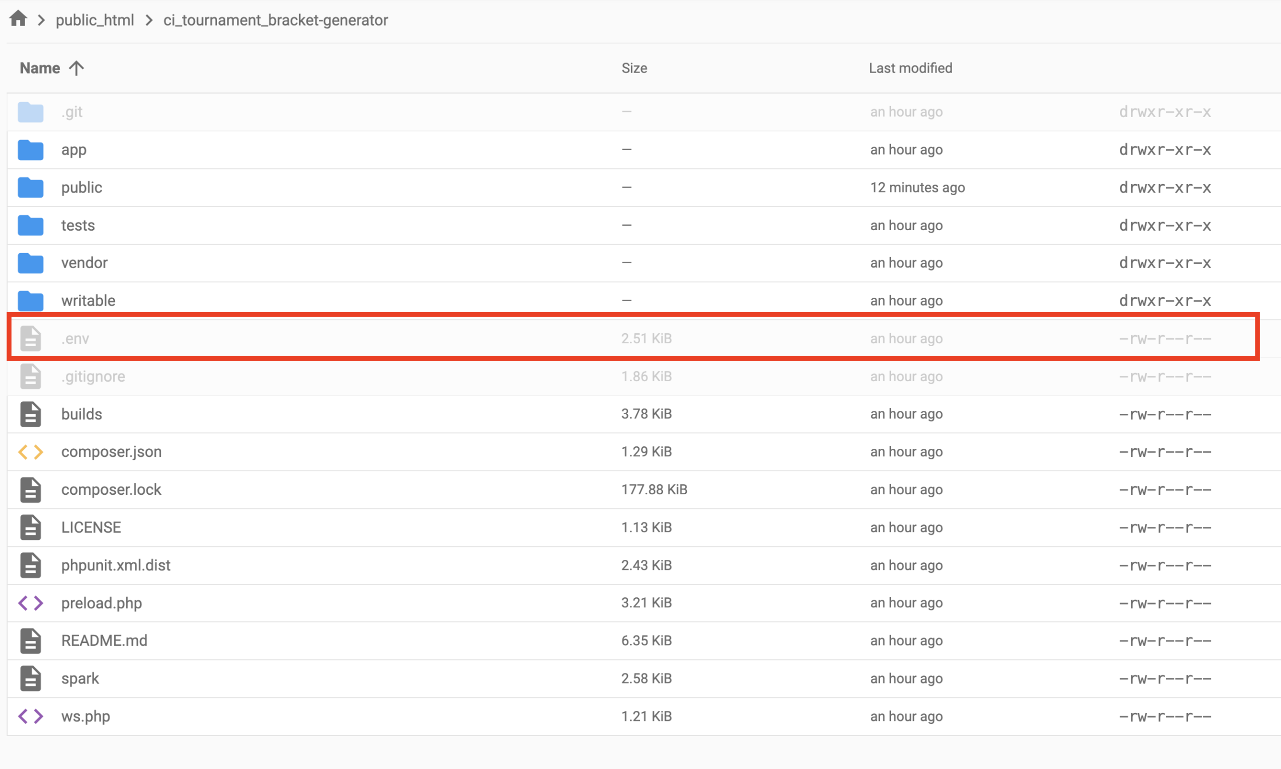
Name ↑	Size	Last modified	
public_html	–	an hour ago	drwxr-xr-x
DO_NOT_UPLOAD_HERE	0 B	4 hours ago	-rw-r--r--

9. Open **ci_tournament_bracket-generator**



Name ↑	Size	Last modified	
ci_tournament_bracket-generator	–	an hour ago	drwxr-xr-x
default.php	15.97 KiB	4 hours ago	-rw-r--r--

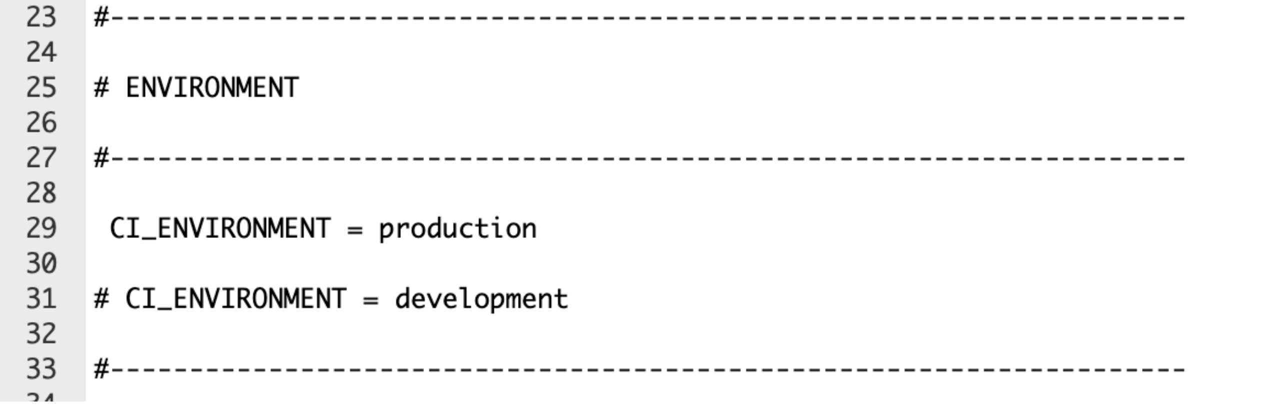
10. Open **.env**



public_html > ci_tournament_bracket-generator

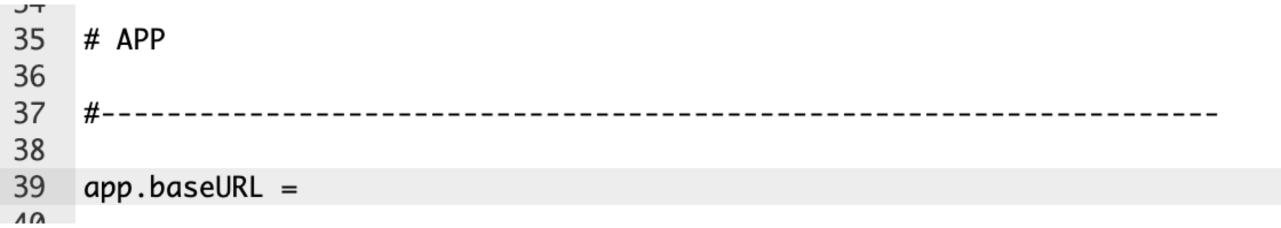
Name ↑	Size	Last modified	
.git	–	an hour ago	drwxr-xr-x
app	–	an hour ago	drwxr-xr-x
public	–	12 minutes ago	drwxr-xr-x
tests	–	an hour ago	drwxr-xr-x
vendor	–	an hour ago	drwxr-xr-x
writable	–	an hour ago	drwxr-xr-x
.env	2.51 KiB	an hour ago	-rw-r--r--
.gitignore	1.86 KiB	an hour ago	-rw-r--r--
builds	3.78 KiB	an hour ago	-rw-r--r--
composer.json	1.29 KiB	an hour ago	-rw-r--r--
composer.lock	177.88 KiB	an hour ago	-rw-r--r--
LICENSE	1.13 KiB	an hour ago	-rw-r--r--
phpunit.xml.dist	2.43 KiB	an hour ago	-rw-r--r--
preload.php	3.21 KiB	an hour ago	-rw-r--r--
README.md	6.35 KiB	an hour ago	-rw-r--r--
spark	2.58 KiB	an hour ago	-rw-r--r--
ws.php	1.21 KiB	an hour ago	-rw-r--r--

11. Uncomment `CI_ENVIRONMENT = production` and comment `CI_ENVIRONMENT = development`



```
#--------------------------------------------------------------------

# ENVIRONMENT

#--------------------------------------------------------------------

 CI_ENVIRONMENT = production

# CI_ENVIRONMENT = development

#--------------------------------------------------------------------
```

12. Type your app baseURL as a string: `'https://example.com'`

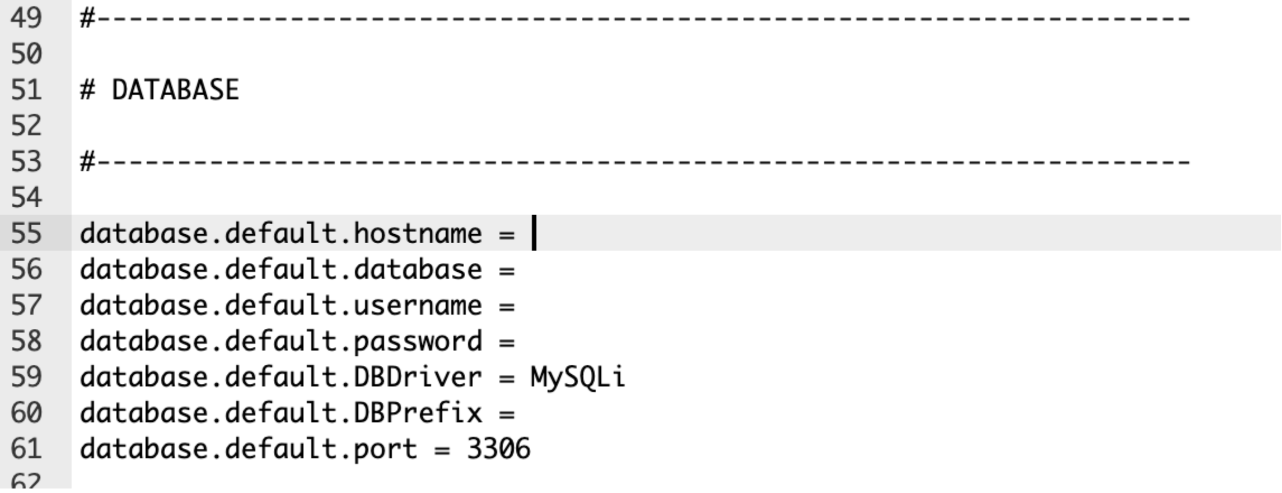


```
# APP

#--------------------------------------------------------------------

app.baseURL =
```

13. **Fill out** database information

- hostname: Hostinger's hostname is **localhost**
- database: **hostingerUser_yourdatabasename**
- username: **hostingerUser_yourusername**
- password: **yourpassword**

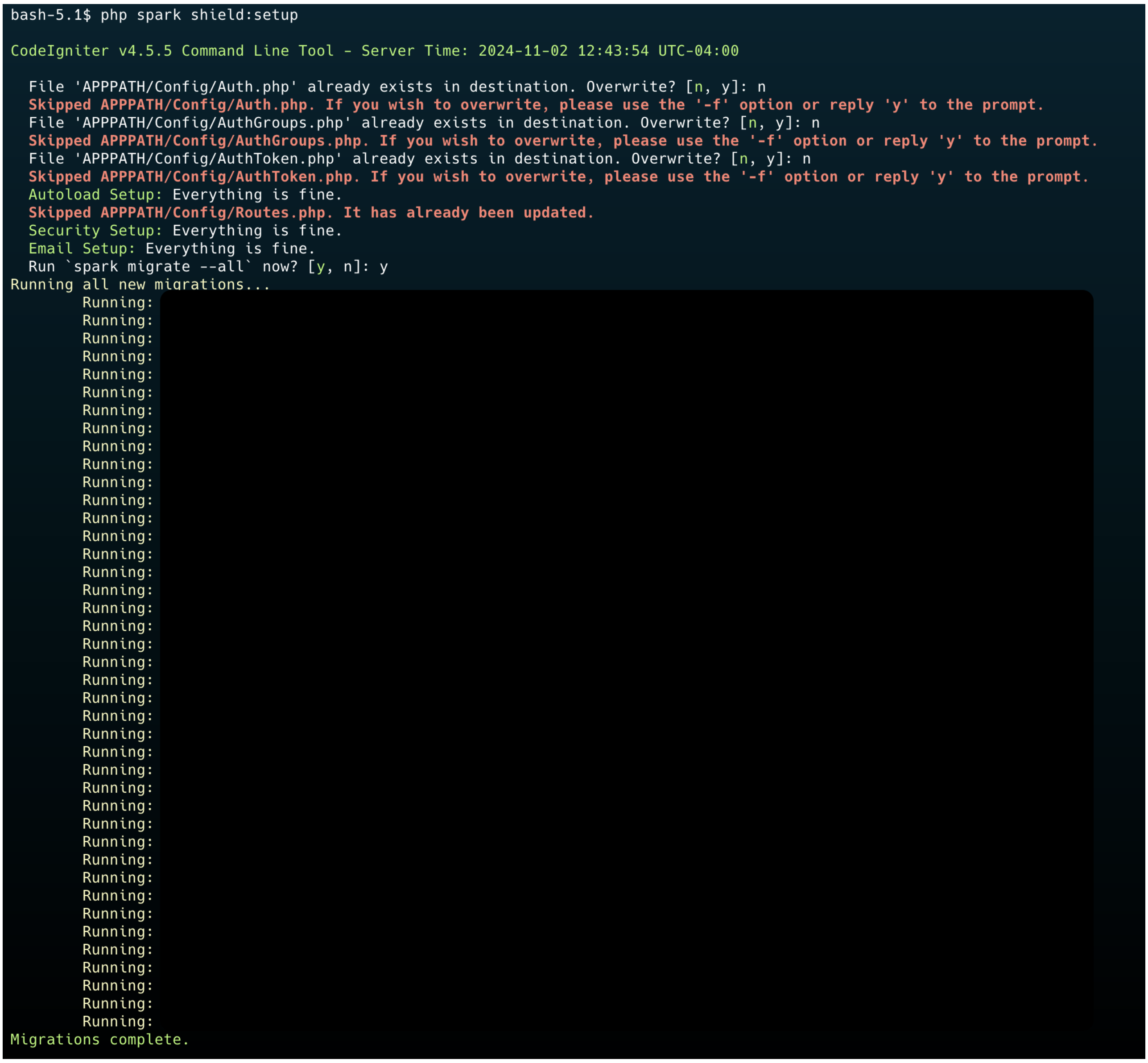
- **Leave** everything else as default



```
#--------------------------------------------------------------------

# DATABASE

#--------------------------------------------------------------------

database.default.hostname = 
database.default.database =
database.default.username =
database.default.password =
database.default.DBDriver = MySQLi
database.default.DBPrefix =
database.default.port = 3306
```

14. **Save** and **Close**

15. Now, we will migrate database by using **spark**. **Go back** to **SSH Terminal** and under project directory run `php spark shield:setup`
16. **DO NOT** overwrite any files, type `n` and when asked to **Run** `spark migrate --all` type `y`



```
bash-5.1$ php spark shield:setup

CodeIgniter v4.5.5 Command Line Tool - Server Time: 2024-11-02 12:43:54 UTC-04:00

  File 'APPPATH/Config/Auth.php' already exists in destination. Overwrite? [n, y]: n
  Skipped APPPATH/Config/Auth.php. If you wish to overwrite, please use the '-f' option or reply 'y' to the prompt.
  File 'APPPATH/Config/AuthGroups.php' already exists in destination. Overwrite? [n, y]: n
  Skipped APPPATH/Config/AuthGroups.php. If you wish to overwrite, please use the '-f' option or reply 'y' to the prompt.
  File 'APPPATH/Config/AuthToken.php' already exists in destination. Overwrite? [n, y]: n
  Skipped APPPATH/Config/AuthToken.php. If you wish to overwrite, please use the '-f' option or reply 'y' to the prompt.
  Autoload Setup: Everything is fine.
  Skipped APPPATH/Config/Routes.php. It has already been updated.
  Security Setup: Everything is fine.
  Email Setup: Everything is fine.
  Run `spark migrate --all` now? [y, n]: y
Running all new migrations...
        Running: [redacted]
        Running:
        Running:
        Running:
        Running:
        Running:
        Running:
        Running:
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        Running:
Migrations complete.
```
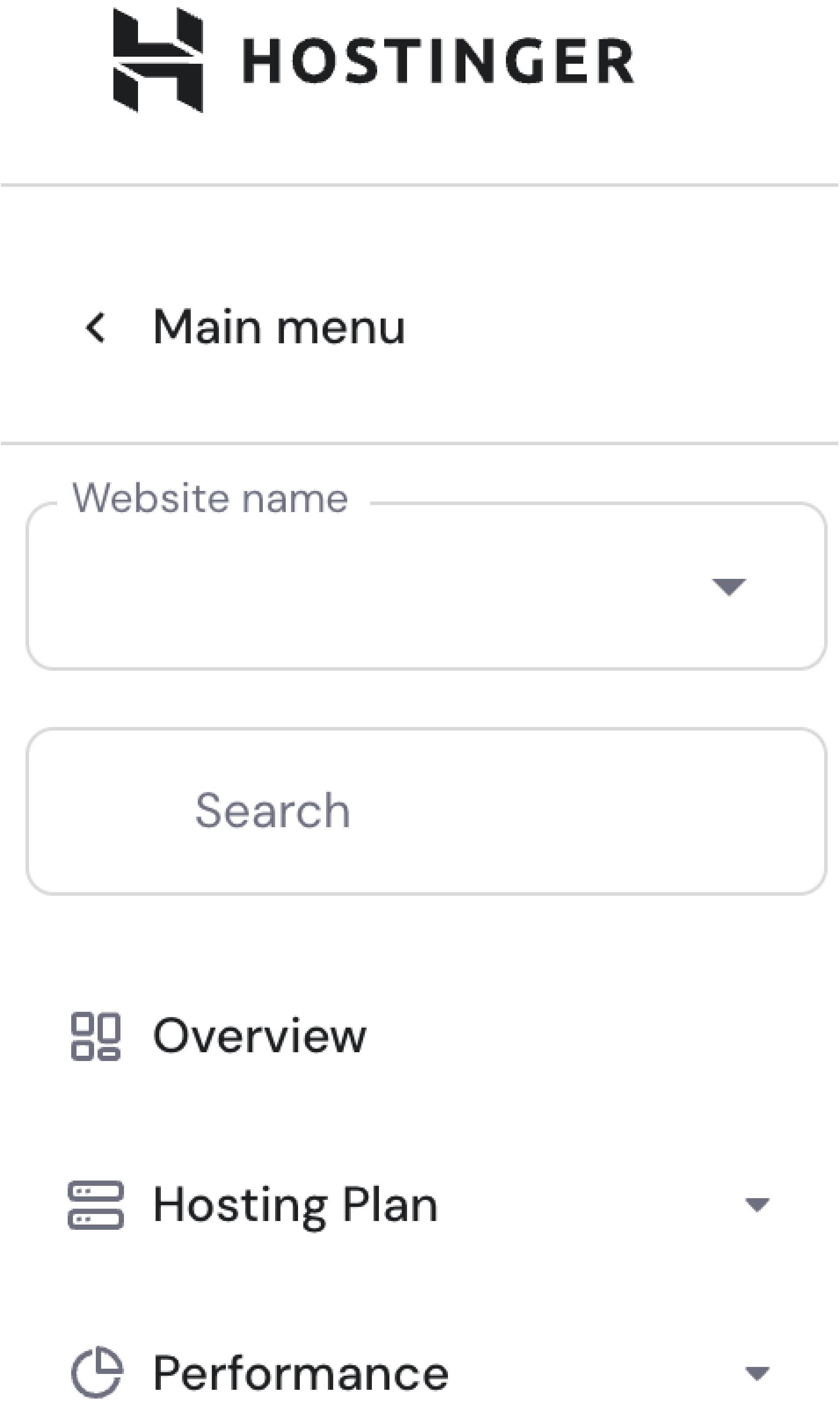
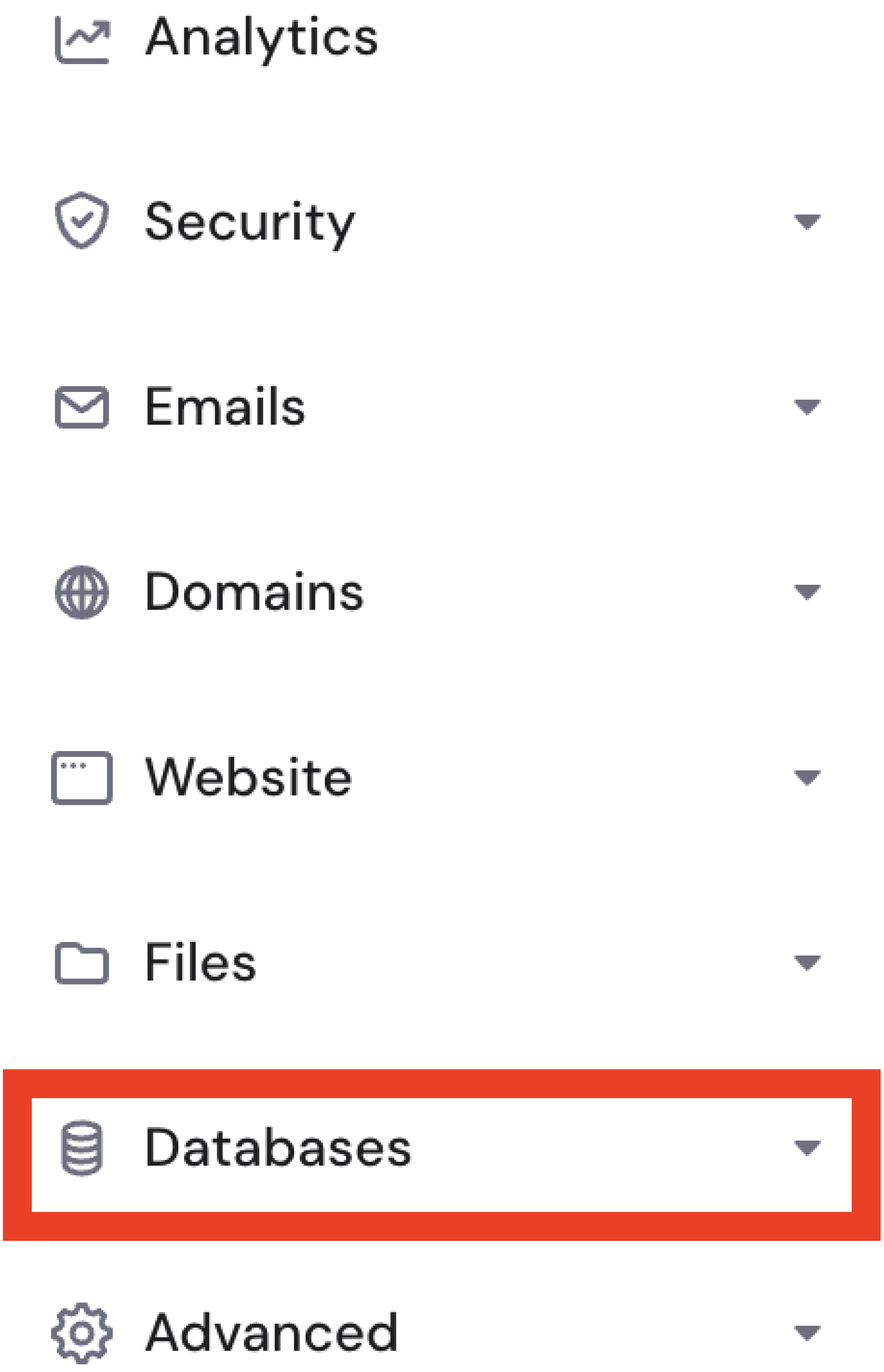

Now database is all setup. Congrats!

Step 3 (Alternative): Configure The Database

In case migration isn't working SSH terminal you can alternatively configure it following the next steps.

1. Go back to your **Hostinger Host Manager**
2. In the left menu, click **Databases**

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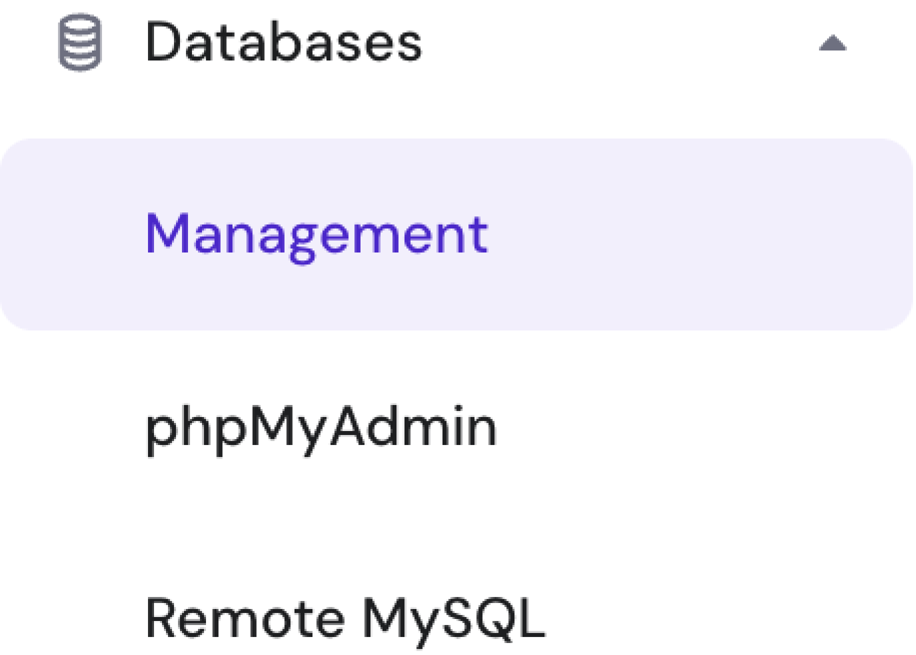
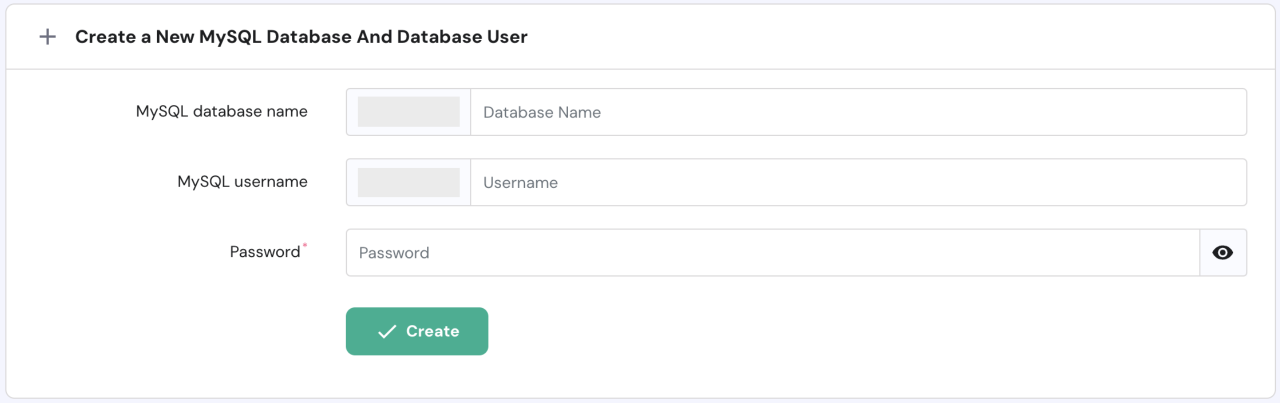
3. Click **Management**



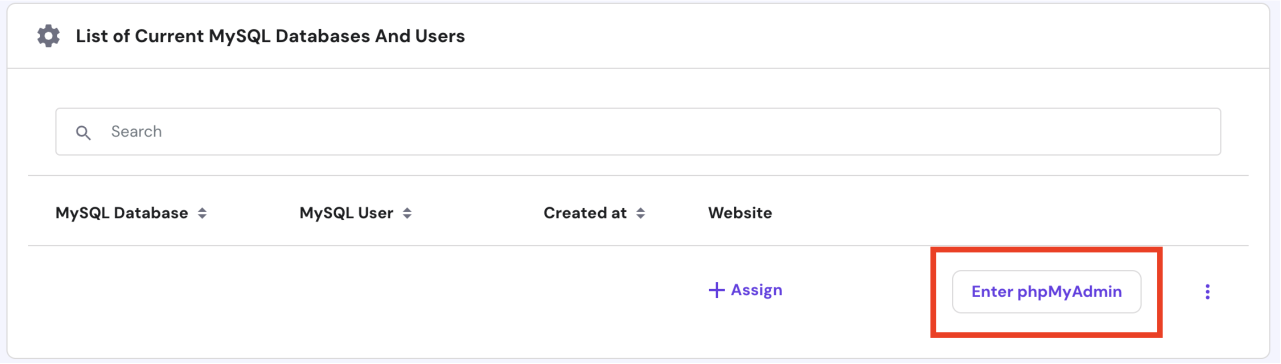
4. Create **database**



Create a New MySQL Database And Database User

MySQL database name	Database Name
MySQL username	Username
Password*	Password

5. **Save** all database credentials in a notepad to continue with next steps.
6. Click **Enter phpMyAdmin**

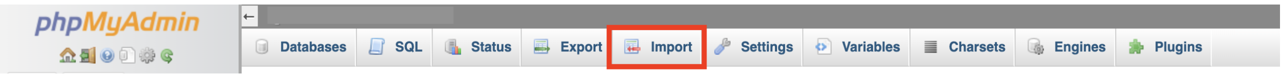


List of Current MySQL Databases And Users

Search

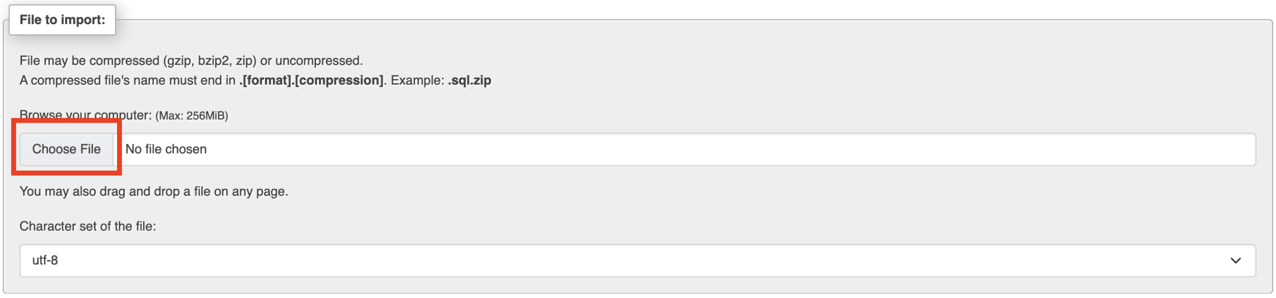
MySQL Database	MySQL User	Created at	Website	
			+ Assign	Enter phpMyAdmin

7. Click **Import**



8. Download Tournaments Project Database

9. Choose **.sql database** previously downloaded



File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in **.[format].[compression]**. Example: **.sql.zip**

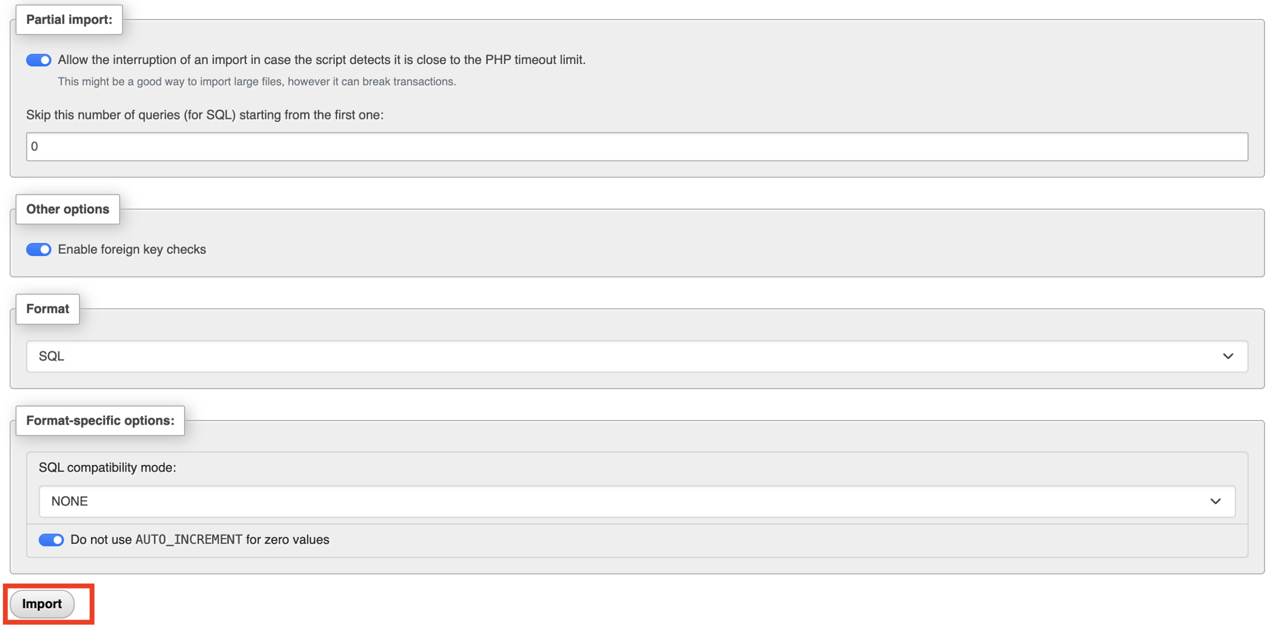
Browse your computer: (Max: 256MiB)

No file chosen

You may also drag and drop a file on any page.

Character set of the file: utf-8

10. Leave everything as **default** and click **Import**



Partial import:

● Allow the interruption of an import in case the script detects it is close to the PHP timeout limit.
This might be a good way to import large files, however it can break transactions.

Skip this number of queries (for SQL) starting from the first one: 0

Other options

● Enable foreign key checks

Format

SQL

Format-specific options:

SQL compatibility mode: NONE

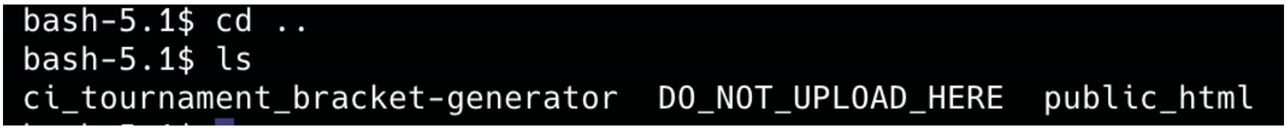
● Do not use `AUTO_INCREMENT` for zero values

Step 4: Second part project Setup

1. **Open** terminal again, remember we are connected to Hostinger Terminal SSH VIA.

```
bash-5.1$
```

2. **Go to** the directory containing **project** and public_html.



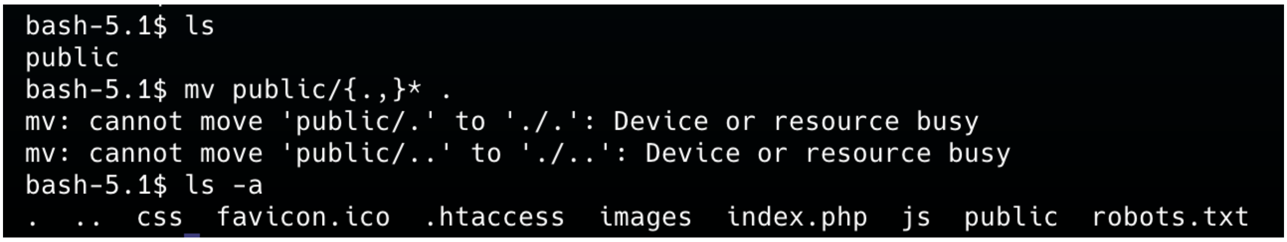
```
bash-5.1$ cd ..
bash-5.1$ ls
ci_tournament_bracket-generator  DO_NOT_UPLOAD_HERE  public_html
```

3. **Run** `mv project/public public_html/`, after running you will see theres no longer **public** directory in project.

4. **Navigate** to public_html. `cd ../public_html`

5. Since **public** folder is in here we will get the public content out of it and suddenly delete public folder.

6. **Run** `mv public/{.,}* .` this command moves recursively all public content to publi's parent (public_html) then **run** `ls -a` to verify everything moved as **expected**.

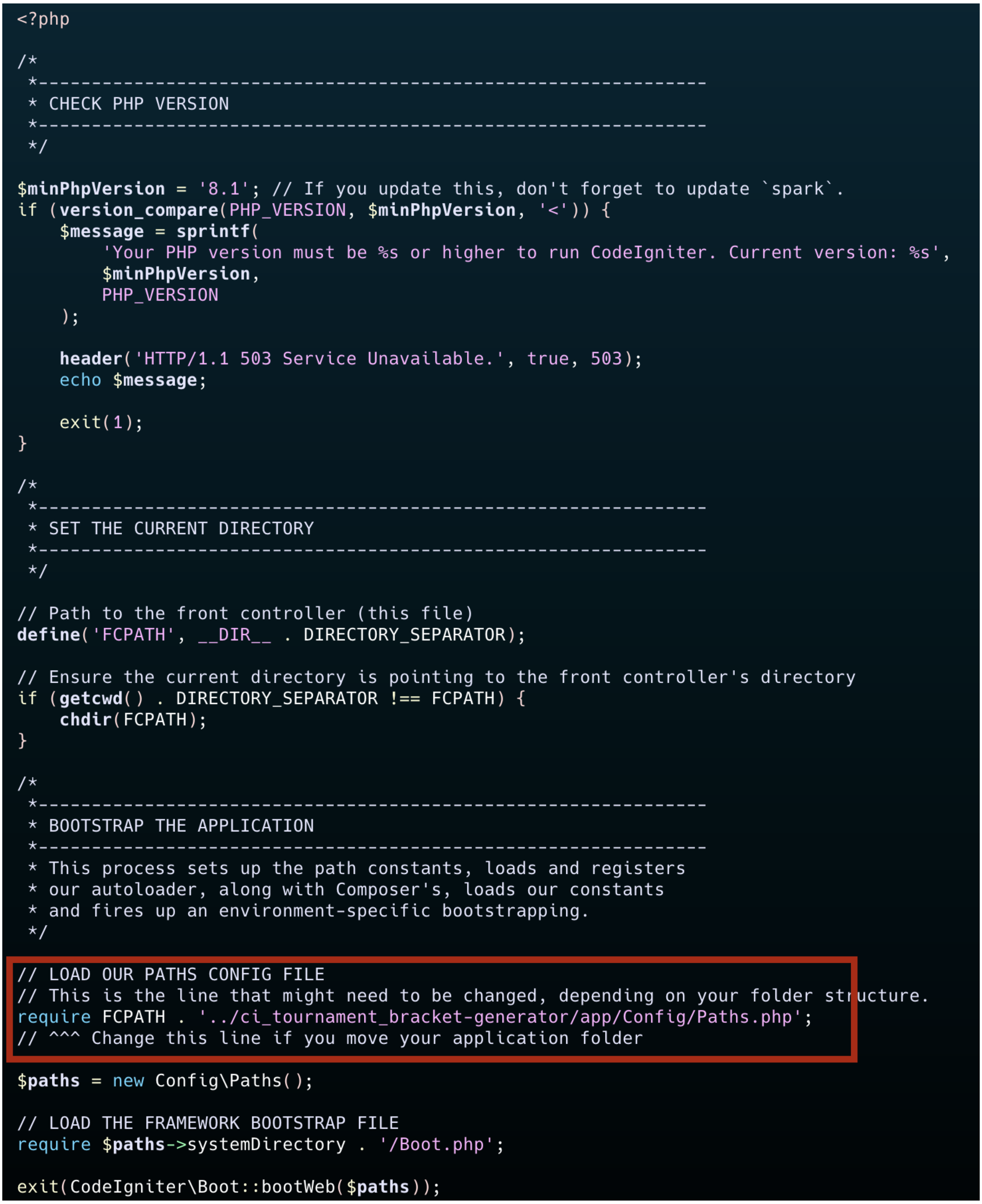


```
bash-5.1$ ls
public
bash-5.1$ mv public/{.,}* .
mv: cannot move 'public/.' to './.': Device or resource busy
mv: cannot move 'public/..' to './..': Device or resource busy
bash-5.1$ ls -a
.  ..  css  favicon.ico  .htaccess  images  index.php  js  public  robots.txt
```

7. **Delete** public folder `rm -rf public` verify it was **succesfully** deleted `ls -a`

8. **Edit** index.php file, you can do it with **vim** or just open **Hostinger File Manager** and **edit** it.

9. change `require FCPATH . '../app/Config/Paths.php';` to `require FCPATH . '../yourproject/app/Config/Paths.php';`



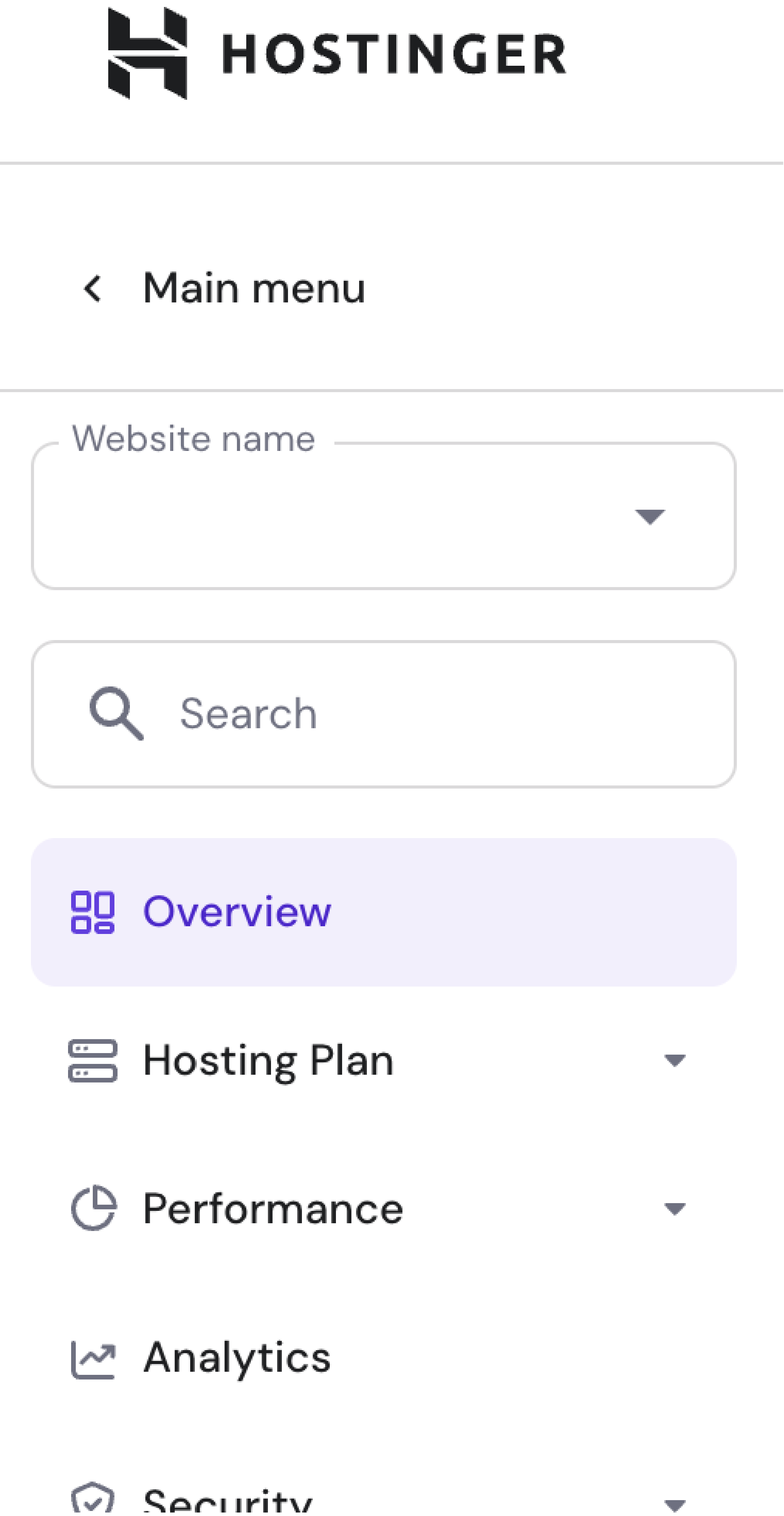
```php
<?php

/*
 *---------------------------------------------------------------
 * CHECK PHP VERSION
 *---------------------------------------------------------------
 */

$minPhpVersion = '8.1'; // If you update this, don't forget to update `spark`.
if (version_compare(PHP_VERSION, $minPhpVersion, '<')) {
    $message = sprintf(
        'Your PHP version must be %s or higher to run CodeIgniter. Current version: %s',
        $minPhpVersion,
        PHP_VERSION
    );

    header('HTTP/1.1 503 Service Unavailable.', true, 503);
    echo $message;

    exit(1);
}

/*
 *---------------------------------------------------------------
 * SET THE CURRENT DIRECTORY
 *---------------------------------------------------------------
 */

// Path to the front controller (this file)
define('FCPATH', __DIR__ . DIRECTORY_SEPARATOR);

// Ensure the current directory is pointing to the front controller's directory
if (getcwd() . DIRECTORY_SEPARATOR !== FCPATH) {
    chdir(FCPATH);
}

/*
 *---------------------------------------------------------------
 * BOOTSTRAP THE APPLICATION
 *---------------------------------------------------------------
 * This process sets up the path constants, loads and registers
 * our autoloader, along with Composer's, loads our constants
 * and fires up an environment-specific bootstrapping.
 */

// LOAD OUR PATHS CONFIG FILE
// This is the line that might need to be changed, depending on your folder structure.
require FCPATH . '../ci_tournament_bracket-generator/app/Config/Paths.php';
// ^^^ Change this line if you move your application folder

$paths = new Config\Paths();

// LOAD THE FRAMEWORK BOOTSTRAP FILE
require $paths->systemDirectory . '/Boot.php';

exit(CodeIgniter\Boot::bootWeb($paths));
```

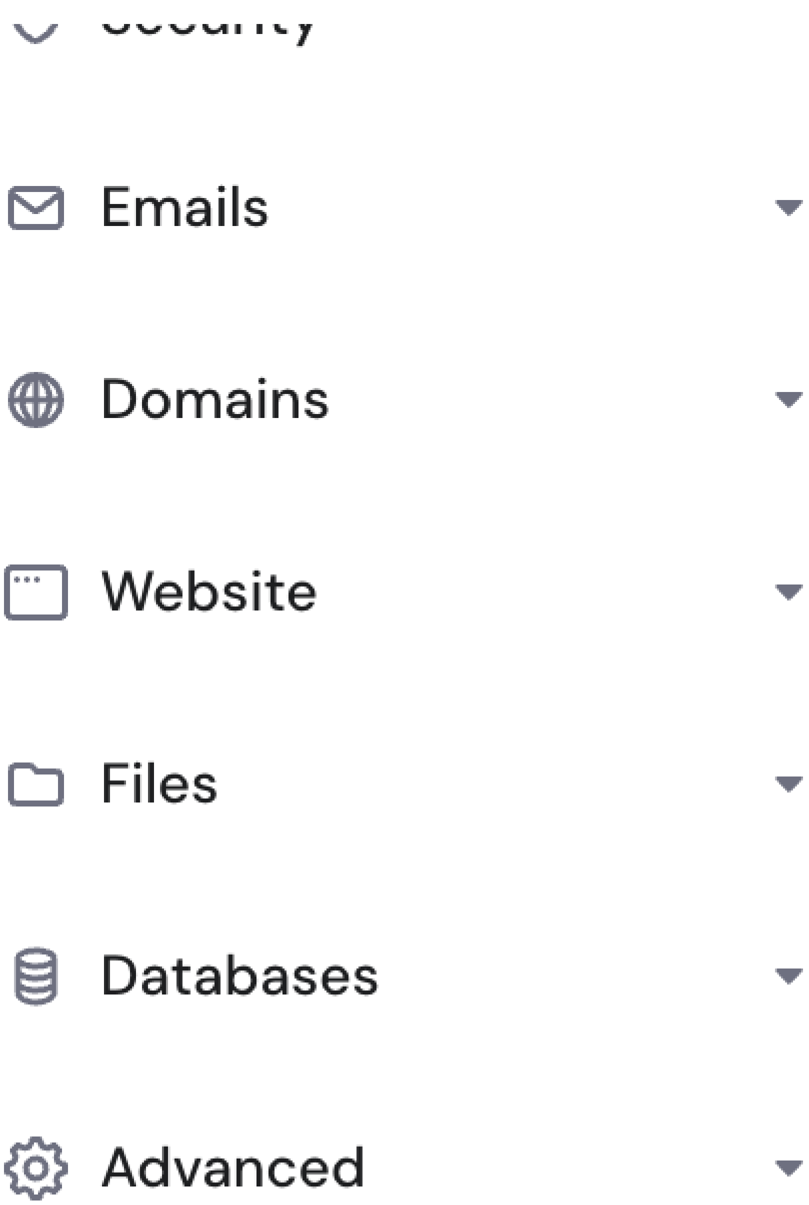
Step 5: Symbolic link and Web Socket

1. Run `pwd`
2. Copy the full path to your **directory**
3. Create **Symbolic Link**: `ln -s /path/to/your/directory/ci_tournament_bracket-generator/writable/uploads /path/to/your/directory/ci_tournament_bracket-generator/public/uploads`

Step 6: Cron job

1. Go back to Hostinger Overview, on the left menu click **Advanced**

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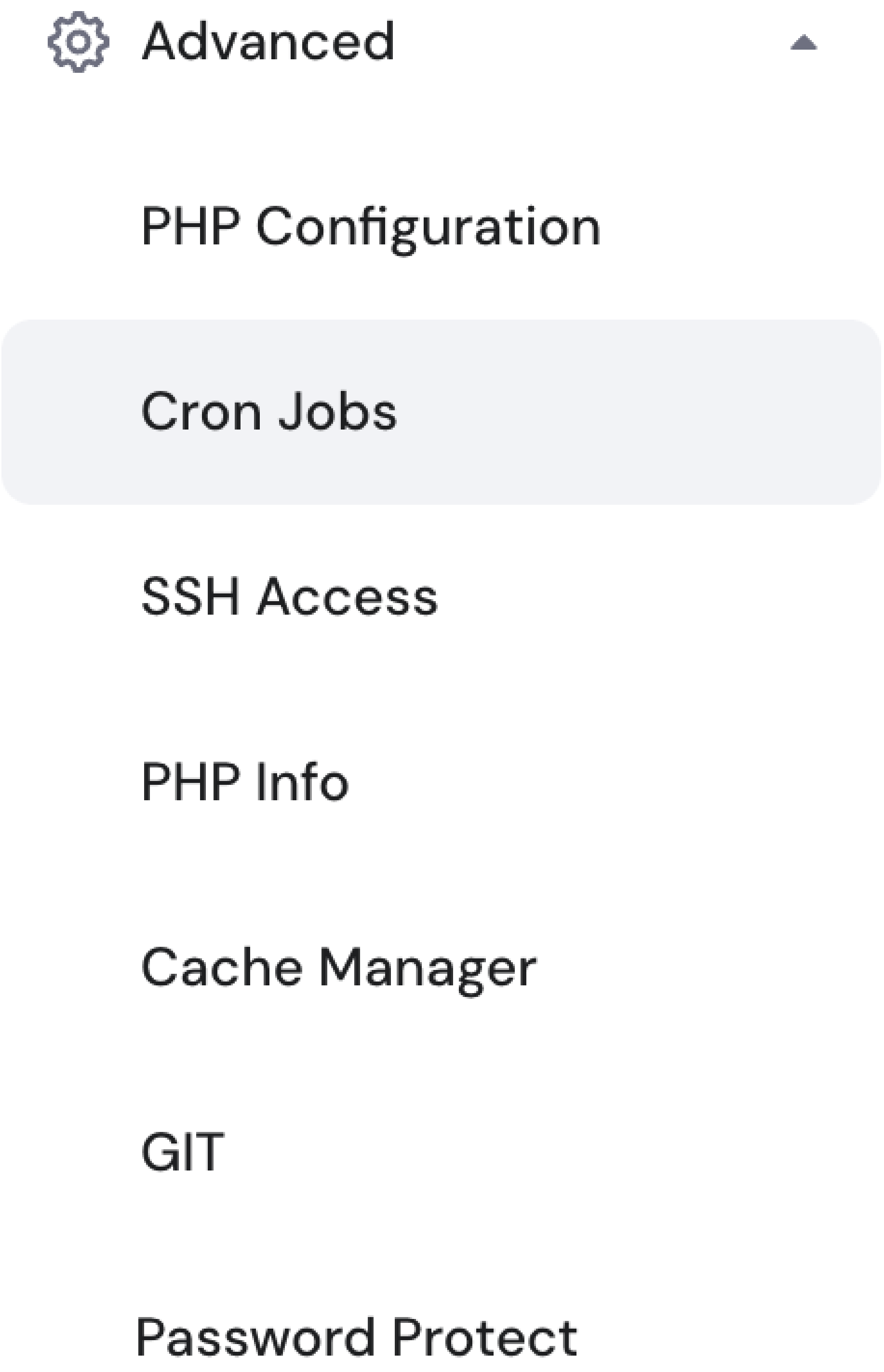
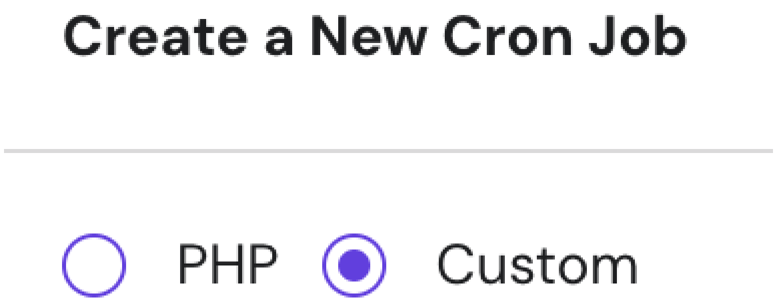
2. Click **Cron Jobs**



3. Click **Custom**

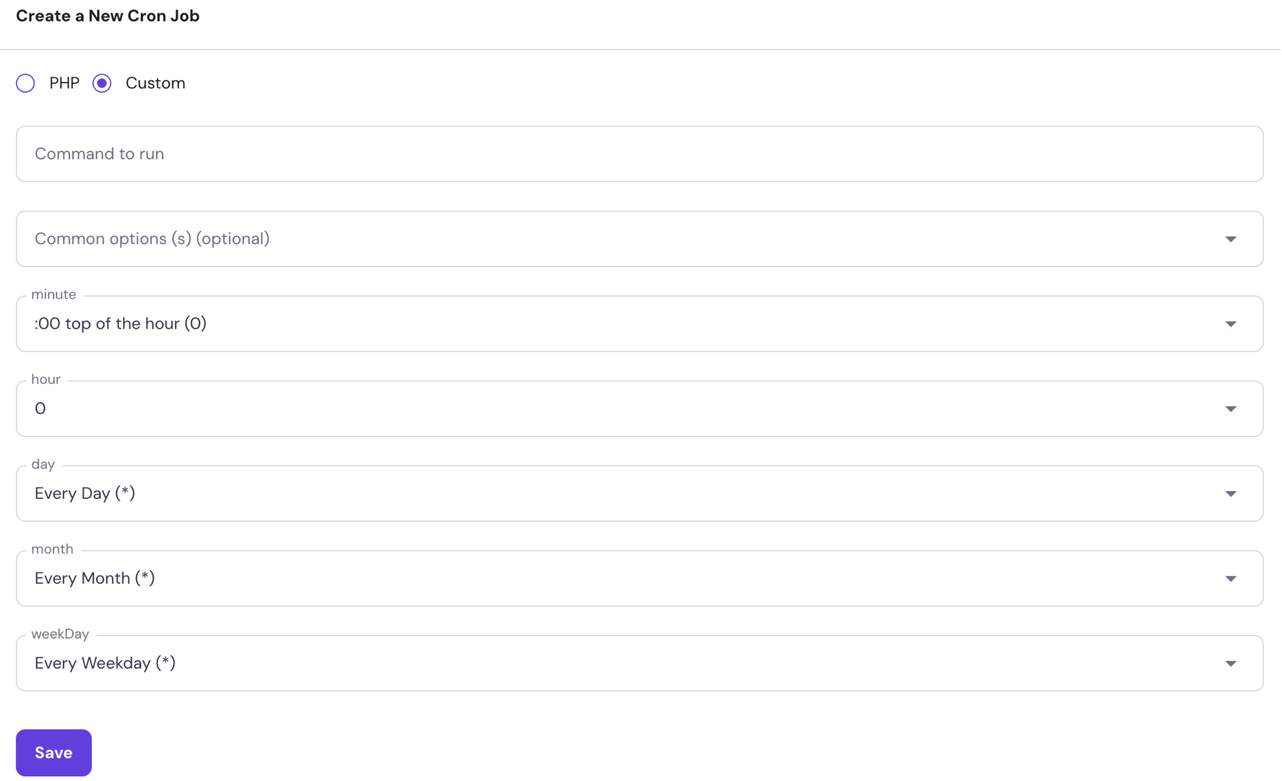


Create a New Cron Job

○ PHP ● Custom

4. **Fill** out data

- Command to run: `/usr/bin/php /home/YOURuser/domains/YOURdomain/public_html/ci_tournament_bracket-generator/spark task:run`



Create a New Cron Job

○ PHP ● Custom

Command to run

Common options (s) (optional)

minute
:00 top of the hour (0)

hour
0

day
Every Day (*)

month
Every Month (*)

weekDay
Every Weekday (*)

5. Leave the rest as shown and click **Save**

Conclusion

Your Tournaments project should now be set up and running on Hostinger. For further assistance, refer to Hostinger's Knowledge Base.