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REINSTALLATION PROCESS OF VPS-HOSTINGER

Goal :

1. Reinstall the VPS
2. Use Ubuntu 22.04 as the OS
3. Install CyberPanel as the hosting panel
4. Run a sample website
5. Enabling SSH login.
6. Run a React app.
7. Installing Wordpress

Step-1: Reinstall

1. Go to VPS → OS & Panel
2. Choose **Operating System: Ubuntu 22.04**.

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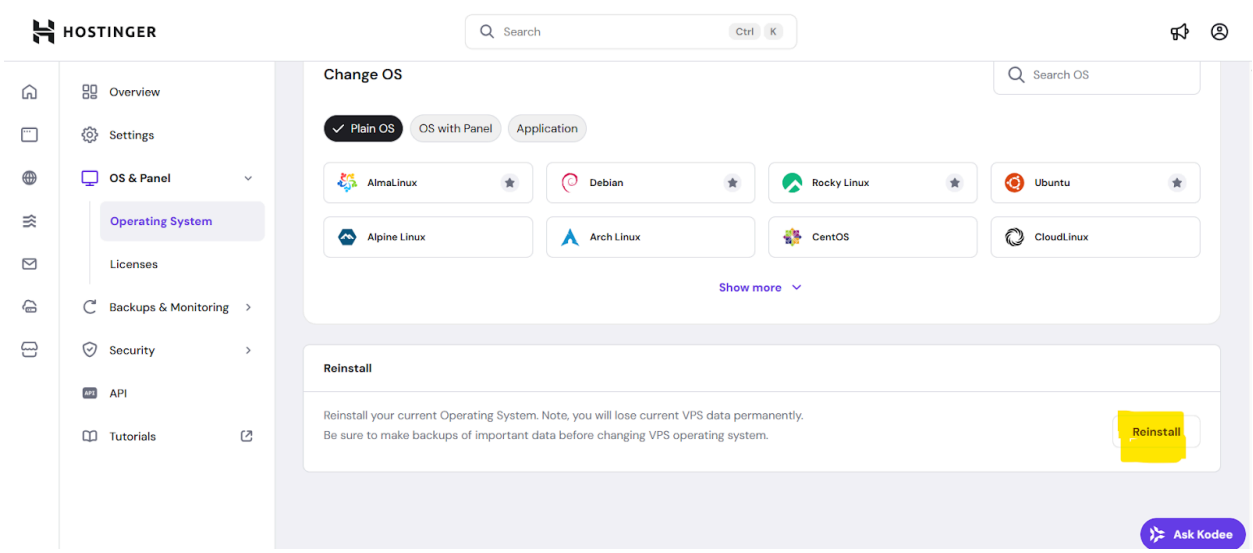
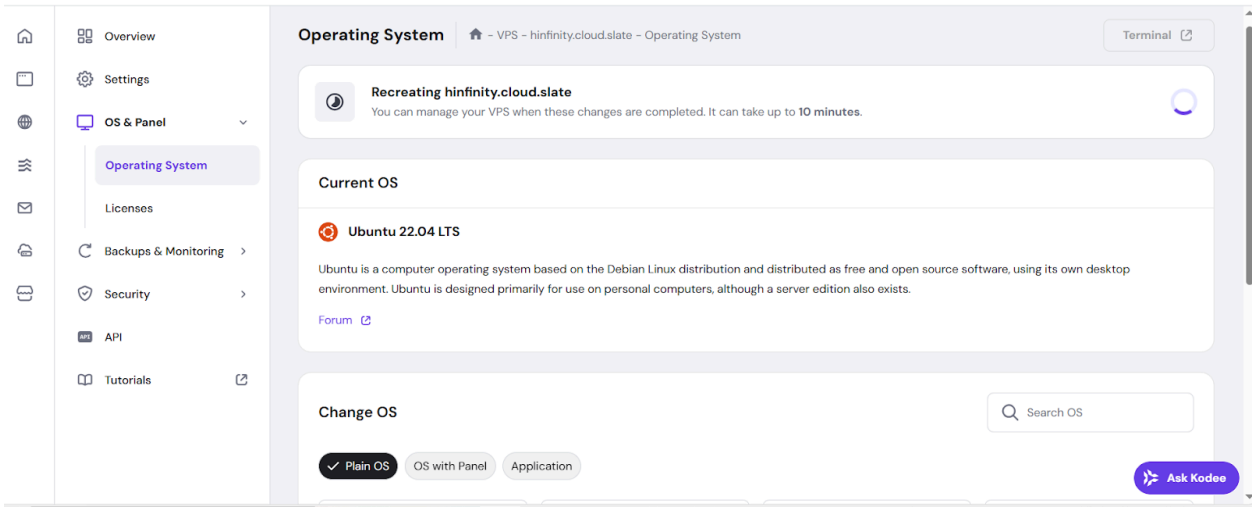
3. Click reinstall



4. It will ask for new root password give the password
5. Confirm the warning
    - All data will be deleted
    - Snapshots will be deleted

6. Wait 5–10 minutes



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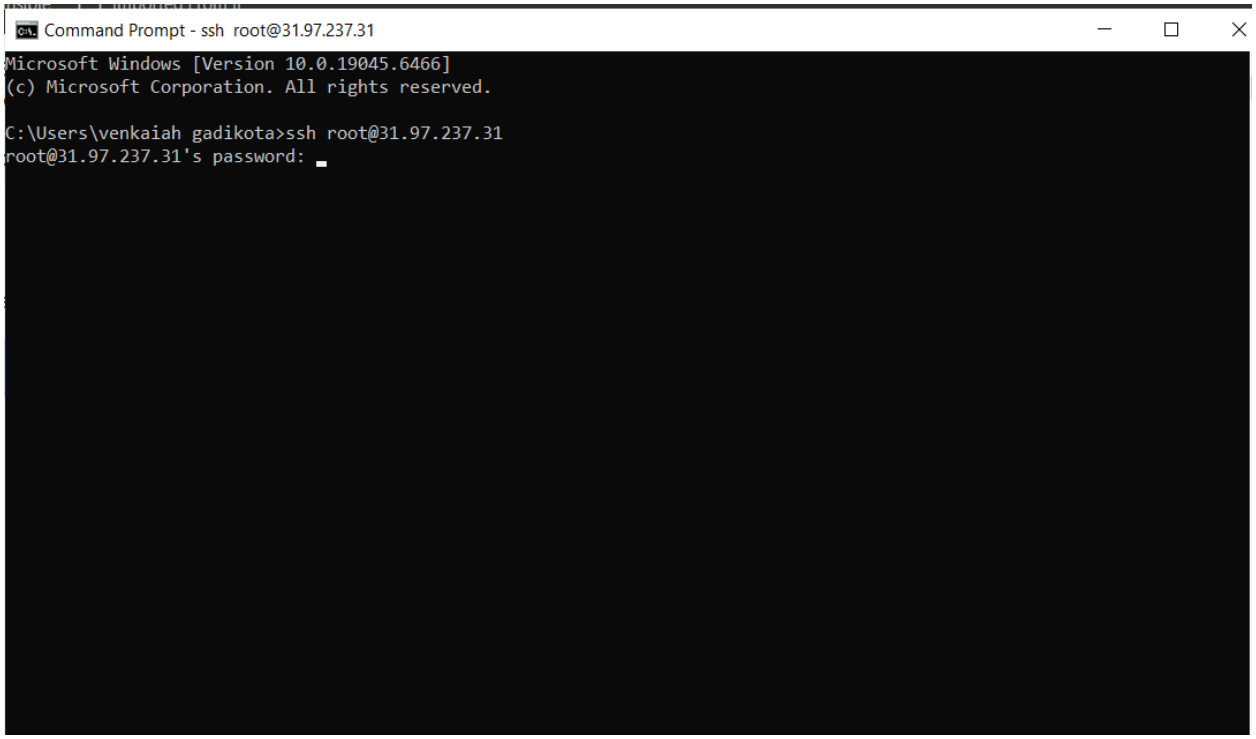
STEP 2 — SSH Into VPS

1. After reinstalling is successful check Overview of VPS to make sure it is reinstalled successfully.

Method : Compare resource usage then and No

method-1 : **ssh root@<pubip>** run this in your terminal. You can login to vps from your computer.



Give the root password that you have given during reinstallation.
then give yes and click enter.

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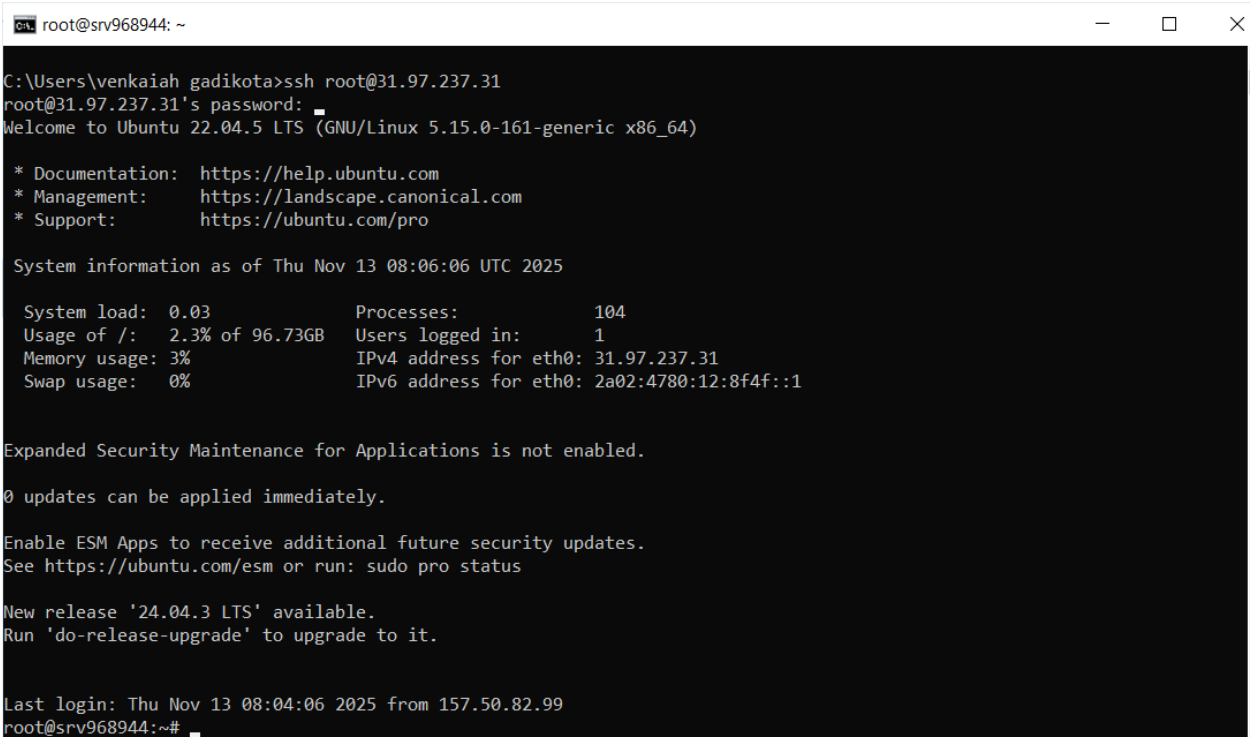
Then you will be taken into vps terminal



Do **$ls -la ,** you can see all directories has been deleted.
Do **$uptime** , this show recent bootup.

STEP 3 — Install CyberPanel on Ubuntu 22

1. Update your vps
   $ sudo apt update -y && sudo apt upgrade -y
   This command fetches the latest package list from the Ubuntu repositories and installs all newer versions of the already–installed packages.
2. Download script of cyberpanel
   $ sh <(curl -s https://cyberpanel.net/install.sh || wget -O - https://cyberpanel.net/install.sh)

   Prompts:
   1.Please enter the number[1-2]:

   The installer asks whether to install or exit.
   You must choose **1** to start installation.
   2.

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1. Install CyberPanel with OpenLiteSpeed. (FREE)
2. Install CyberPanel with LiteSpeed Enterprise.
3. Exit.

Please enter the number[1-3]: 1

3. Install Full service for CyberPanel? This will include PowerDNS, Postfix and Pure-FTPd.
Full installation [Y/n]: Y

Full installation includes:

- PowerDNS (DNS)
- Postfix (Email sending)
- Dovecot (Email receiving)
- FTP server
- Database & web server

You choose **Y** — correct, required for WordPress + Email.

4. Do you want to setup Remote MySQL? (This will skip installation of local MySQL)
Remote MySQL [y/N]:

y: Use external MySQL server (not installed locally)

N: Install MySQL locally (recommended for WordPress)

5.Press Enter key to continue with latest version or enter specific version:

Pressing **ENTER** installs the latest stable version.

You don’t need to type a version manually.

6.Choose [d]fault, [r]andom or [s]et password: [d/r/s]

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d = default password 1234567 (unsafe)

r = random password created automatically

s = set your own password

7. Do you wish to install Memcached process and its PHP extension?
   Please select [Y/n]:
   Memcached improves website & WordPress speed.
   It uses very little RAM.
   Recommended: **Y**

8. Do you want to install Redis?
   Please select [Y/n]:
   Redis improves caching and database performance.
   Recommended: **Y**

9. Would you like to set up a WatchDog (beta) for Web service and Database service?
   Please select [Y/n]:
   WatchDog automatically restarts:

   - Web server
   - Database server
     If they crash.
     Helps uptime.

   Recommended: **Y**

10. Would you like to restart your server now? [y/N]:

    Restart applies all services and completes setup.

    Recommended: **Y**

THAT SETS UP CYBERPANEI

3. Now to access Cyberpanel in UI, paste url in web browser.
   https://pubip:8090/

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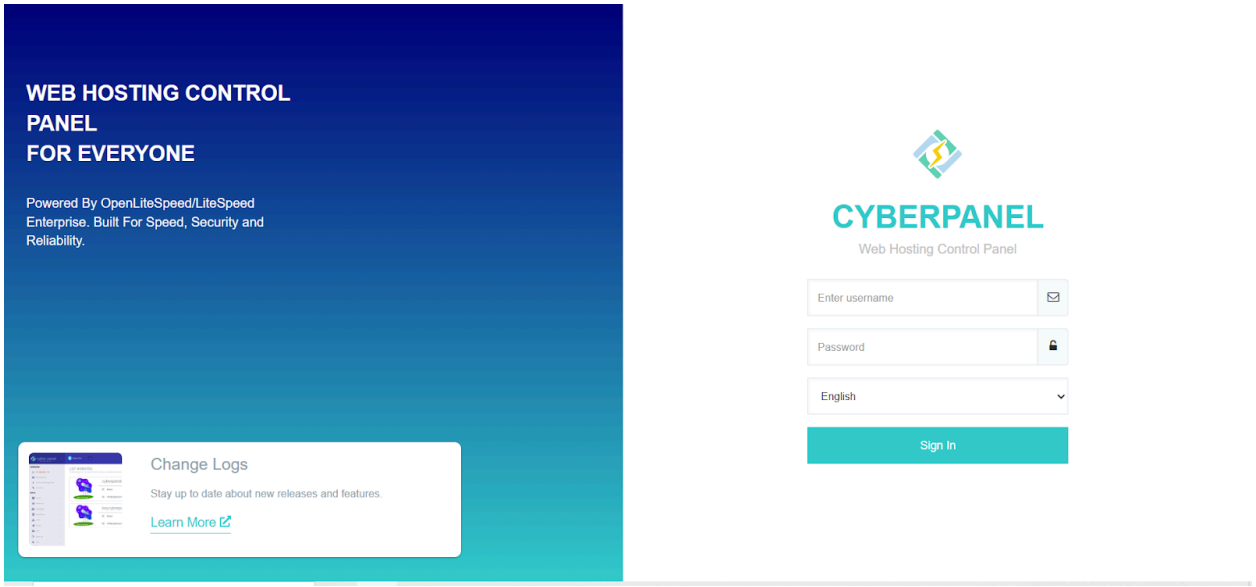
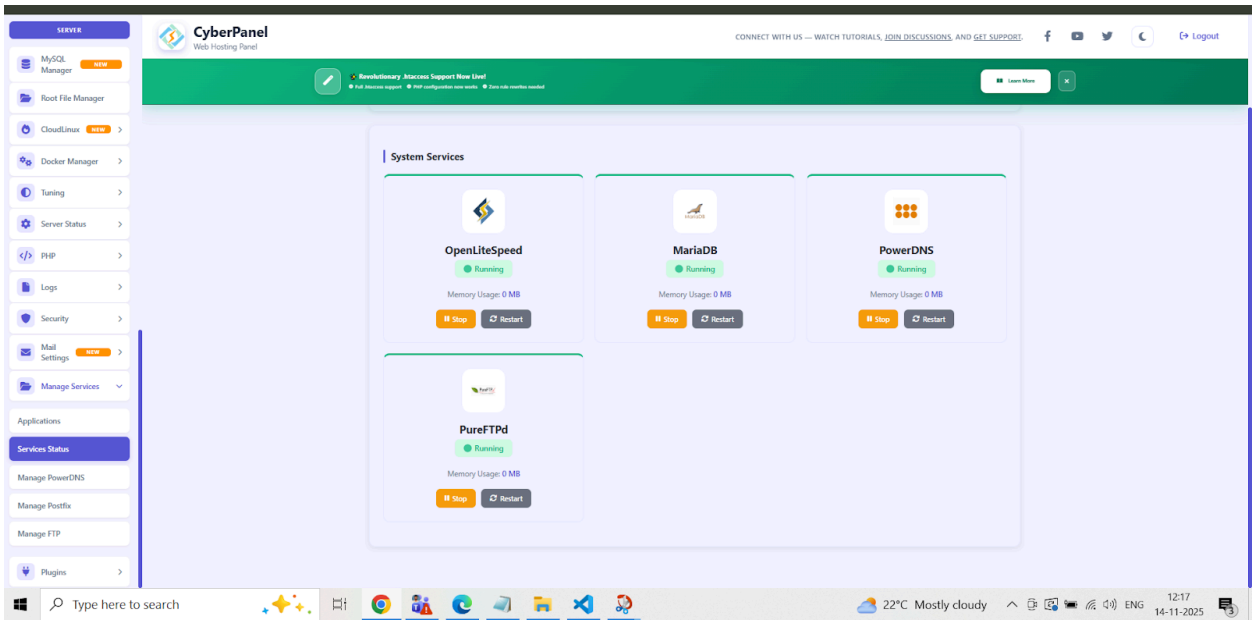


Username: admin
Password: 1234567 (if you chose default pwd)

4.check all required services like OpenLiteSpeed(webserver),mariadb etc, are installed.



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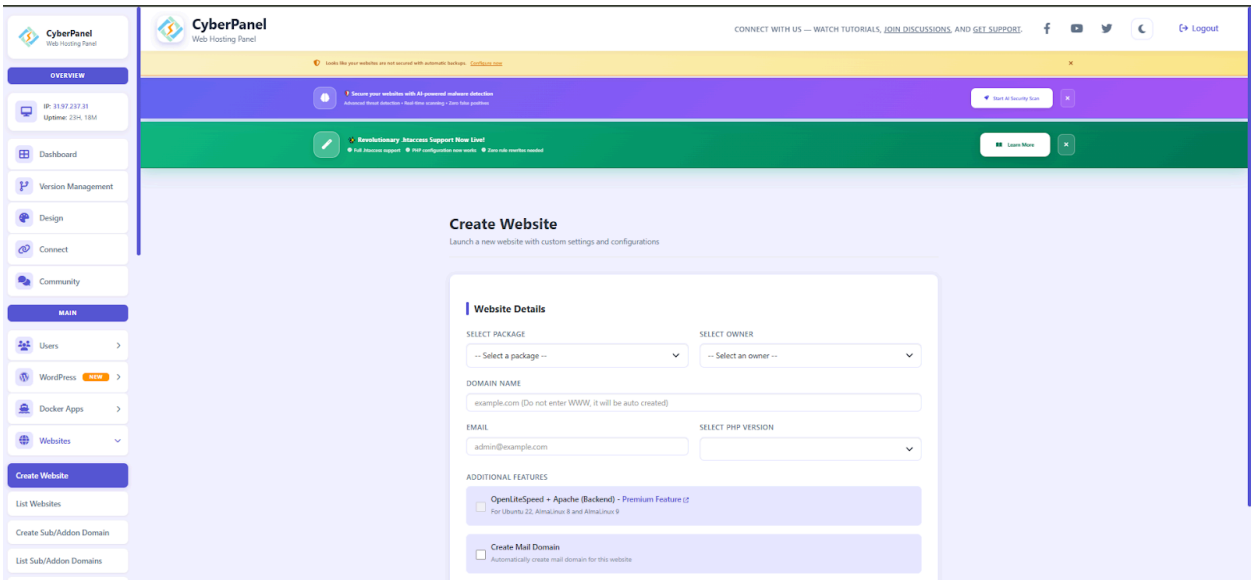
STEP-4 Run a sample website

1. Create a Website



Under “Websites” , Click on “Create Website”, then choose “default package" (this tells how much of resources can our website can use from our vps), then choose owner of website as admin(user who can own this website), then give your “domain name” ,then give “email” (The Email field is needed only for CyberPanel’s internal record-keeping to identify who owns the website). Choose “php version”.

This creates our website.

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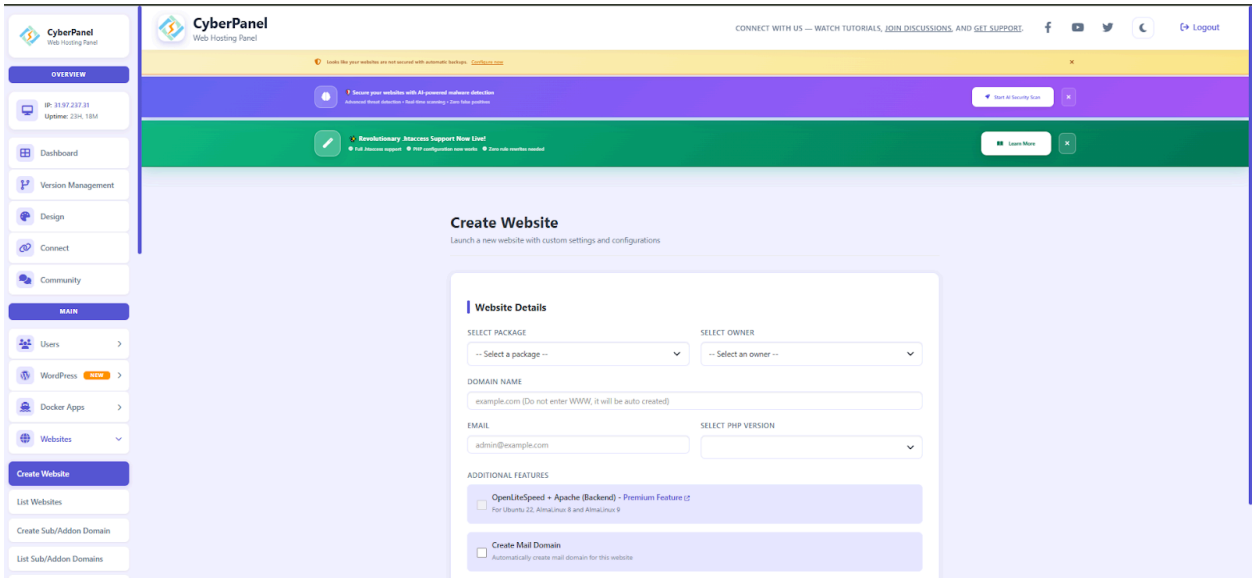
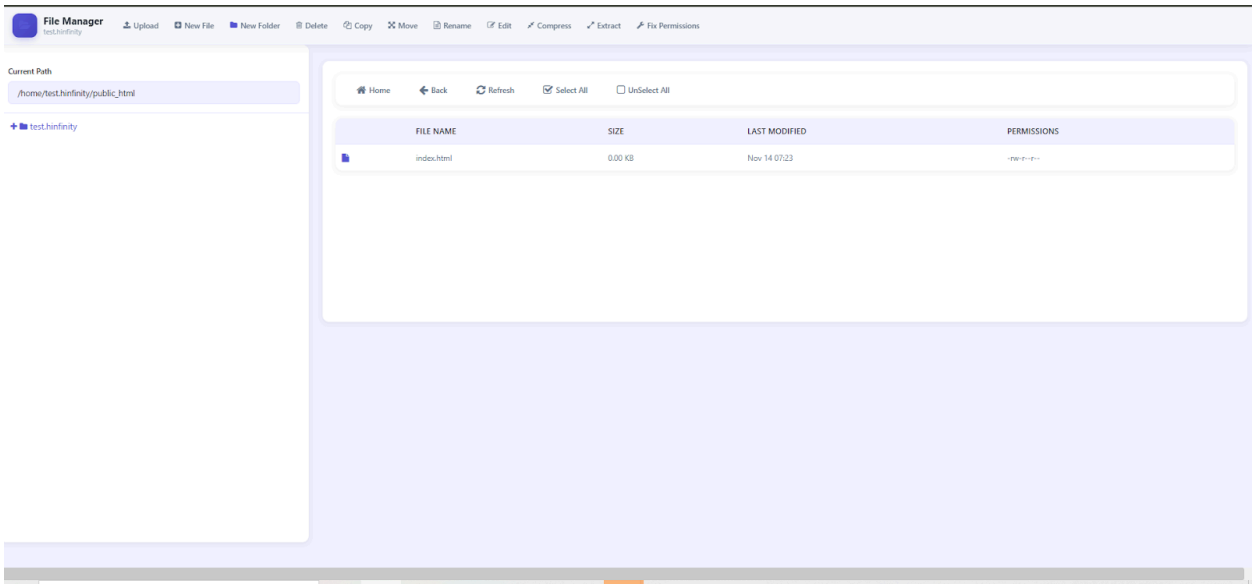


Then Click on “file manager” of your website



Create the app files(index.html) under this folder.

Then we have to map the our domain with ip address(Virtual Host Mapping)
- For that go to openLiteSpeed :https://<pubip>:7080

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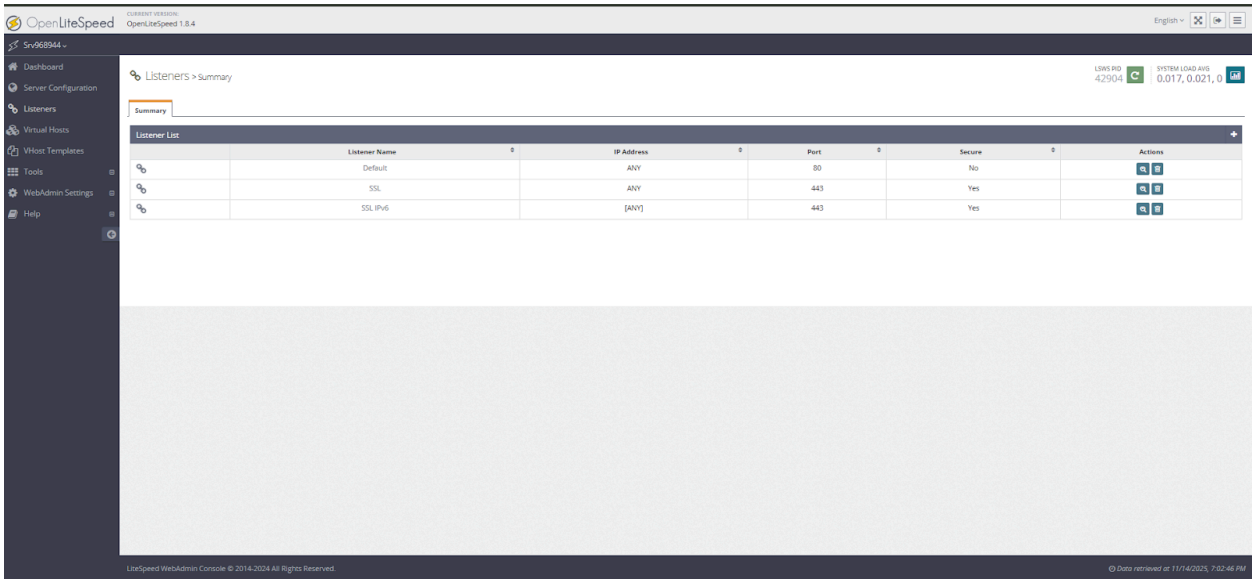
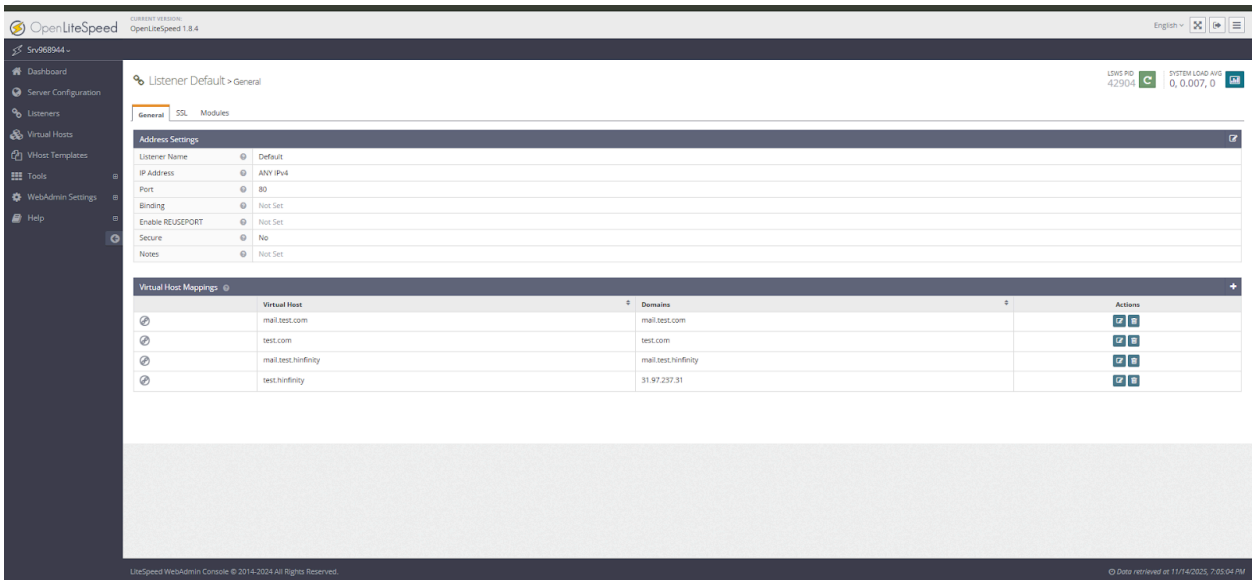
- Click on listeners
- Click on default



- Under virtual hostmappings , replace “Domain” with “Domain name” or “*”



- Then click the green refresh icon on the top right corner to grace restart.
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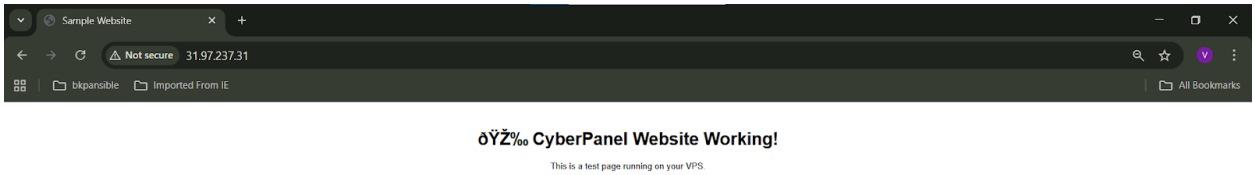

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Step-5 Enabling SSH login

- Generate SSH keypair using puttygen tool

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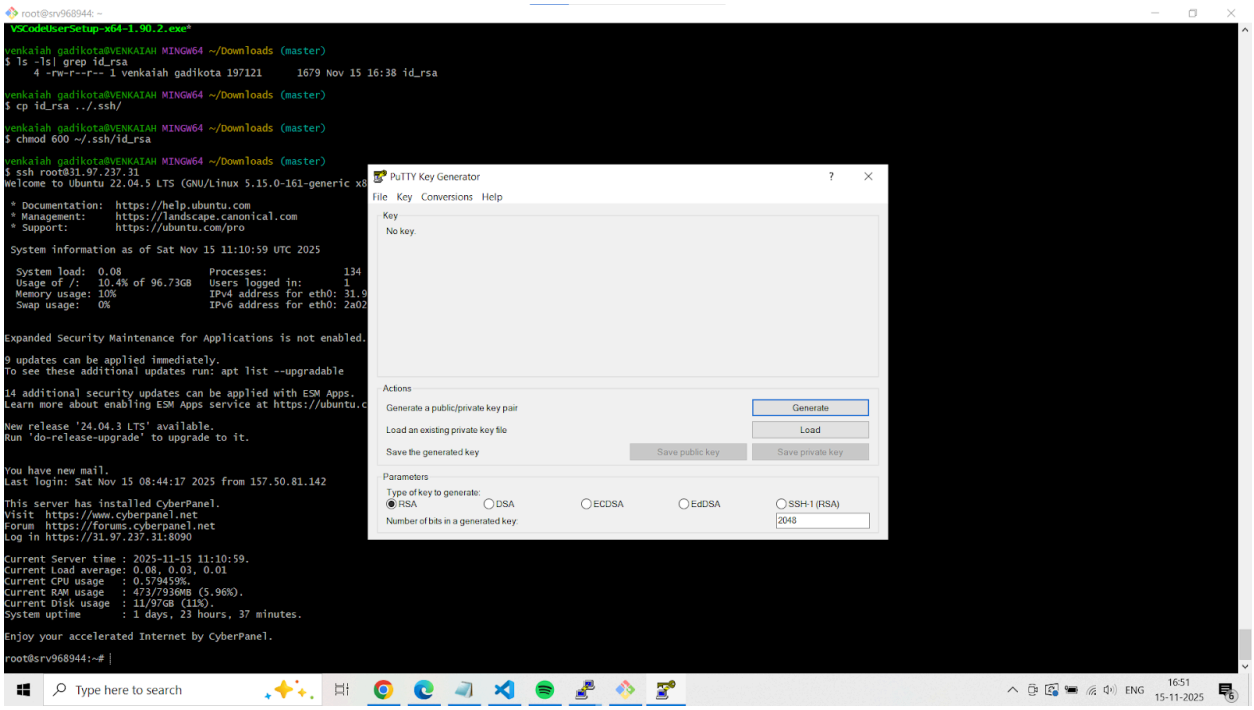

- Choose RSA and click on generate, and move the cursor till fully loaded, then give “key comment”(not mandatory), then give ”passphrase”(not mandatory).
- Copy the public key which will appear after loading and paste it in “vps ssh section”. Then click on “Save Private Key”, this will download the private key into our machine.

Logging into machine through ssh:-

- Open putty tool

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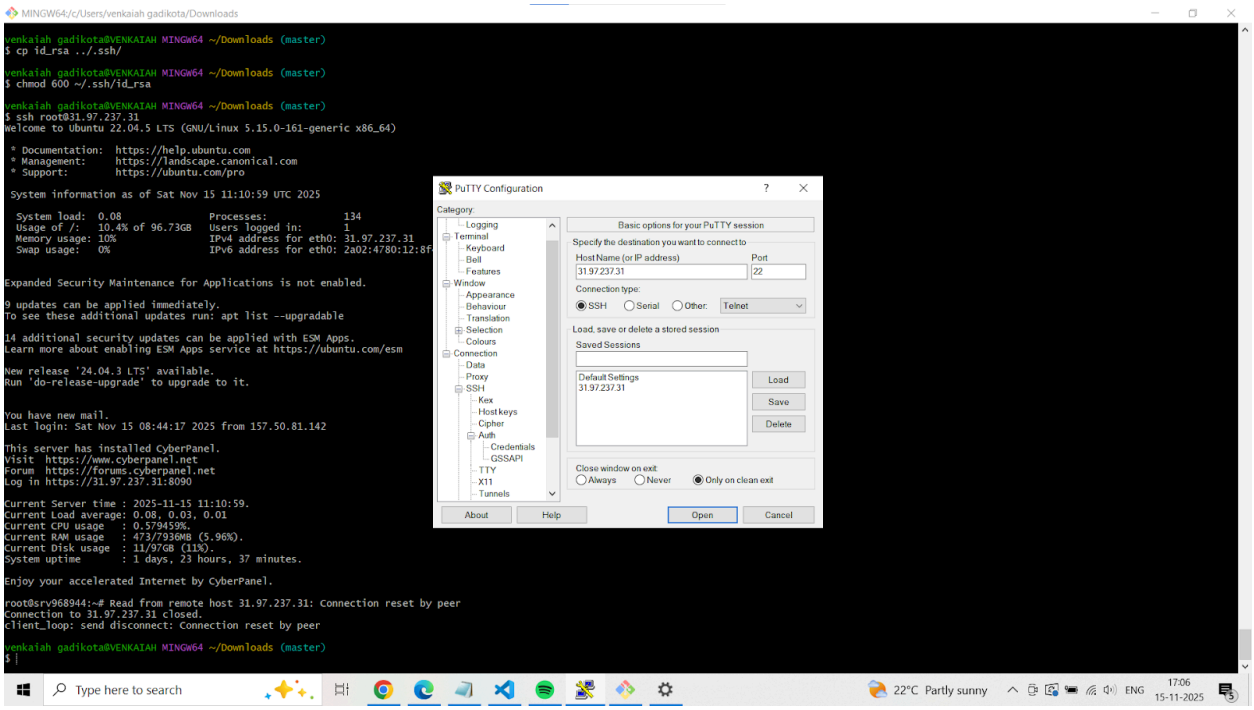

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- Under hostname give the public ip of vps, then under ssh->auth->credentials, give the path of the private key.
- Give the user name as “root”.
- Then you can successfully login to the machine.

Note:- To use gitBash we need to do SSH Key Conversion + SSH Key Authentication Setup.

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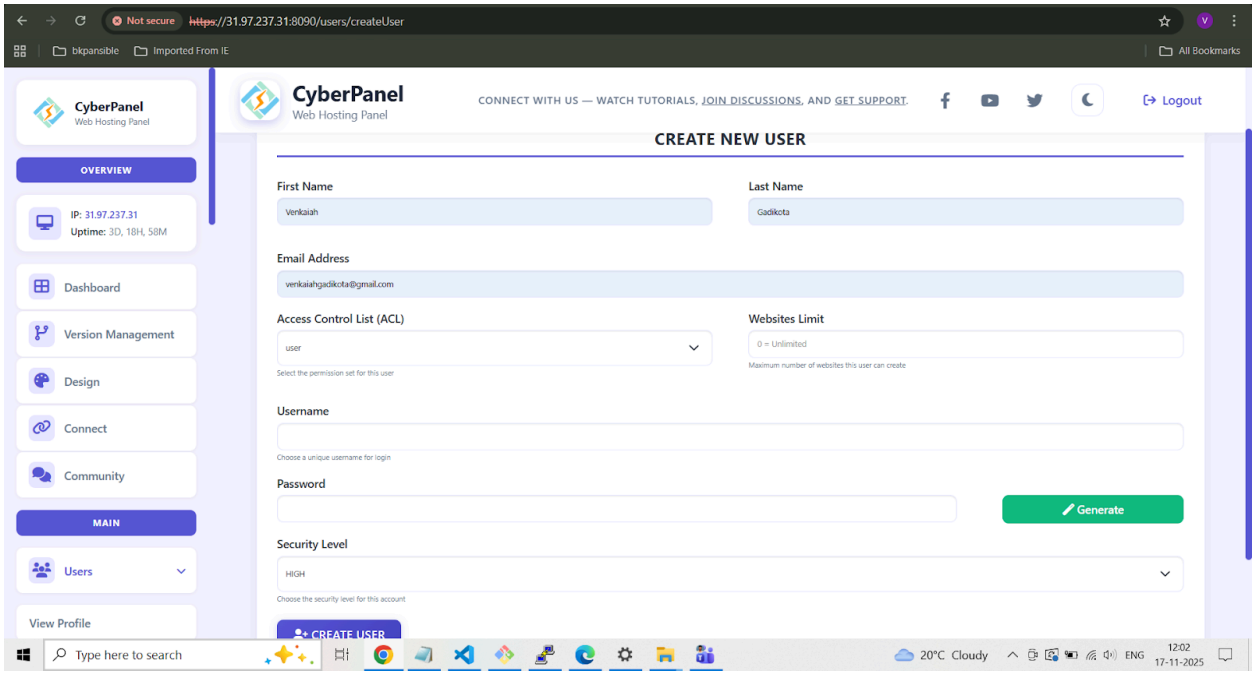
Step:-6 User Management.

To create User in cyberpanel
Under Main, Click on users, then Click on “Create New User”.



fill the boxes as required, for our requirement we will choose ACL as the user. Users can only manage websites we attach to. Share the login details with the user.

To give terminal access to user

- $ sudo adduser <username> , give this command and create the password

For the user.

- Give this username and pwd to the user
- User has to go to his terminal and has to run this below cmd
  $ ssh <usn>@pubip.

He can successfully login to the machine.

Step-6 Deploying NodeJsApp

1. Creating a Website in CyberPanel

1. Opened CyberPanel.

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2. Navigated to:
   Websites → Create Website
3. Entered:
   Domain: hinfinitys.com
4. CyberPanel created the directory:
   /home/hinfinitys.com/public_html

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2. Upload the Node.js Project

1. Upload the ZIP file into:
   /home/hinfinitys.com/public_html
2. Extracted it and obtained the project folder inside public_html.

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3. Install Node.js and NPM

1. Install Node.js using apt.
2. Install npm.
3. Verify versions with:
   node -v
   npm -v

---

4. Install Dependencies and Built the App

1. Navigat to project folder:
   cd /home/hinfinitys.com/public_html/project-folder
2. Installed dependencies:
   npm install
3. Built the Next.js app:
   npm run build

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5. Run the Application on Port 3001

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1. Start the Next.js server:
   npm run start -- -p 3001
2. Verify it worked by opening:
   http://SERVER_IP:3001

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6. Ensure Continuous Running with PM2

1. Install PM2 globally.
2. Start the app using:
   pm2 start "npm run start -- -p 3001" --name hinfinity
3. Save PM2 process list:
   pm2 save
4. Enabl PM2 to run on boot:
   pm2 startup

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7. Configure Reverse Proxy in OpenLiteSpeed

This was the main fix that made the domain work.

7.1 Creat an External App

In OpenLiteSpeed admin panel:

Virtual Hosts → hinfinitys.com → External App → Add

Entered:

- Type: Web Server
- Name: lsnode
- Address: 127.0.0.1:3001

Saved.

7.2 Create a Proxy Context

Virtual Hosts → hinfinitys.com → Context → Add

Enter :

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- Type: Proxy
- URI: /
- Web Server: lsnode
- Address: 127.0.0.1:3001

Save.

7.3 Restarted OpenLiteSpeed

systemctl restart lsws

This allowed hinfinitys.com → LiteSpeed → Node.js (port 3001) to work properly.

Steps to Install WordPress on slateai.dev Using CyberPanel

1. Log in to CyberPanel
   Open:
   http://YOUR-SERVER-IP:8090
   Log in with your admin credentials.

2. Open Website Management for slateai.dev
   Since the website is already created and SSL is already issued, go to:
   Websites → List Websites → Manage → slateai.dev

3. Install WordPress
   Inside the slateai.dev management page, go to:
   Application Installer → WordPress
   Enter the following details:

- Blog Title

- Admin Username

- Admin Password

- Admin Email
  Click “Install Now”.
  CyberPanel will install WordPress and create the database automatically.

4. Verify WordPress Installation
   Open:
   https://slateai.dev

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You should now see the WordPress default home page.

5. Access WordPress Admin Dashboard
   Go to:
   https://slateai.dev/wp-admin
   Log in using the admin username and password you created.