How to Install CloudPanel on a VPS — The Complete Step-by-Step Guide 2026

VPS control panels · https://www.hyyat.com/en/knowledgebase/install-cloudpanel-vps/

In short CloudPanel is a free, modern, fast control panel built on nginx and PHP-FPM, aimed at hosting web applications (PHP, WordPress, Node.js, Python). It installs with a single command on a clean VPS (Debian or Ubuntu) and opens on port 8443, where you create the admin account on first login. It does not include a mail or DNS server; its focus is performance.

Embedded media: https://www.hyyat.com/wp-content/uploads/2026/11/hyyat-cp-cloud-en.mp4?_=1

If you own a **VPS** and want a **fast, modern** and lightweight control panel for hosting WordPress sites and web apps, **CloudPanel** is an excellent free choice. It is built on the **nginx** and **PHP-FPM** stack for high performance, supports PHP, Node.js, Python and static sites, and has a clean, modern interface. In this guide from the Hyyat Host team we walk through installing CloudPanel step by step, with the requirements, creating the admin account, key settings, and fixes for the most common issues.

This guide applies to a VPS. If you don't have one yet, Hyyat Host virtual servers are ready for you: fast NVMe storage, full root control, and Arabic technical support that walks with you step by step from order to first login.

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What is CloudPanel and why choose it?

CloudPanel is a free control panel focused on **performance and simplicity**. It is built on nginx to serve sites at top speed with minimal resource use, and suits anyone who wants to host modern web apps without complexity. Its key strengths:

- **Very fast:** nginx, PHP-FPM and MySQL tuned for high performance out of the box.
- **Free and lightweight:** a clean, modern interface that runs efficiently on modest resources.
- **Multiple languages and stacks:** supports PHP, Node.js, Python and static sites.
- **Free SSL certificates** issued automatically via Let's Encrypt.
- **Built-in security:** two-factor authentication, IP and bot blocking, and Cloudflare integration.

Important difference: CloudPanel is aimed at web hosting and does not include a built-in **mail server** or **DNS server**. If you need email on your domain and DNS from the same panel, **HestiaCP** may suit you better.

Requirements before installing

Before you start, make sure your server meets the minimum requirements so the install completes without issues:

Requirement	Minimum	Recommended
Operating system	Debian 11/12 or Ubuntu 22.04/24.04	Debian 12
RAM	2 GB	4 GB or more
Storage	10 GB free	20 GB or more
CPU	Single core	Two cores or more
Access	root user	—

Very important: install CloudPanel only on a clean, fresh system with no other control panel or pre-installed web server. Every Hyyat Host VPS plan lets you reinstall the OS in one click before you begin.

Steps to install CloudPanel on a VPS

Step 1 — Connect to the server via SSH

Use the username and password or SSH key we provided (replace the server address with yours):

```
ssh root@your-server-ip
```

Step 2 — Update the system

```
apt update && apt upgrade -y
```

Step 3 — Download the official install script

```
curl -sS https://installer.cloudpanel.io/ce/v2/install.sh -o install.sh
```

Step 4 — Run the installer

```
bash install.sh
```

The script installs the full CloudPanel stack (nginx, PHP, MySQL and security tools). You can also choose the database engine via a `DB_ENGINE` variable before the command if you wish; otherwise the default is used.

Step 5 — Wait

The install usually takes **5 to 10 minutes**. At the end it shows the panel link on port 8443 — ready for you to create the admin account.

Logging in and creating the admin account

Unlike some panels, there is no default password; you **create the admin account yourself on the first visit**. Open in your browser:

```
https://your-server-ip:8443
```

A certificate warning may appear on first login because the certificate is temporarily self-signed — continue safely. Then create the admin account with a username, email and a strong password. Store the details safely, or ask the Hyyat Host team to handle the install.

The four most important settings right after install

1. **Add your first website** From `Sites → Add Site`, and pick the type: WordPress, PHP, Node.js, Python or a static site.
2. **Issue a free SSL certificate** Enable Let's Encrypt in the site settings to secure it with https.
3. **Enable two-factor authentication** From the admin account settings — basic protection for the panel.
4. **Enable backups** Set up periodic backups to remote storage from the panel settings.

Common issues and how to fix them

- **Panel won't open on port 8443:** make sure the server firewall allows port 8443 and the install finished. At Hyyat Host the VPS firewall allows the essential ports by default.
- **Install stops midway:** usually an unsupported or unclean system or less than 2 GB of RAM — use a clean, supported OS with enough memory.
- **Let's Encrypt issuance fails:** make sure the domain points to your server address in DNS before issuing the certificate.
- **You need email:** CloudPanel has no mail server; use an external email service or a panel that supports mail such as HestiaCP.

CloudPanel's main features in detail

CloudPanel's performance rests on **nginx** as the main server with a tuned **PHP-FPM**, making it one of the fastest free panels for WordPress and modern apps, with minimal memory use.

- **Multiple site management:** host several sites and domains, each with its own settings.
- **Multiple PHP versions:** pick the right PHP version per site from the panel.
- **Node.js and Python support:** not limited to PHP — run diverse modern apps.
- **Advanced security:** two-factor authentication, IP and bot blocking, and Cloudflare integration.

- **File and database manager:** manage MySQL/MariaDB, files and Cron jobs from the interface.
- **vhost editor:** advanced control over the nginx settings of each site.

Securing CloudPanel after install

The panel manages your whole server, so its security is a priority. Right after install, do the following:

1. **Enable two-factor authentication immediately** For the admin account — the single most important step to protect the panel.
2. **Restrict access to port 8443** Allow it only from your own IP address in the firewall where possible.
3. **Use bot blocking and Cloudflare** To reduce automated attacks on your sites.
4. **Update the panel and system regularly** To patch vulnerabilities as they appear.

What do you manage daily from the panel?

After install, every task is handled from one graphical interface without commands:

- Creating and managing sites (WordPress/PHP/Node.js/Python/static).
- Issuing free SSL certificates and renewing them automatically.
- Managing MySQL/MariaDB databases and users.
- File manager, SSH/FTP accounts and Cron jobs.
- Security settings: two-factor authentication, IP blocking and Cloudflare.
- Backups and restores, and monitoring server resources.

When should you choose CloudPanel?

CloudPanel is ideal if your top priority is **speed and simplicity** for hosting WordPress or PHP/Node.js/Python apps, and you don't need mail or DNS from the panel. If you want integrated mail and DNS, choose **HestiaCP**; and if you want maximum WordPress speed with LiteSpeed, choose **CyberPanel**. Being free, try it on a test server before production.

Next step

- Create the admin account and add your first site.
- Issue a free SSL certificate and enable two-factor authentication.
- Enable recurring backups from the start.

And if you'd like us to handle installation, management and security for you, open a support ticket — we reply within 24 hours at most.

Frequently asked questions

Is CloudPanel really free?
Yes, the Community Edition (CE) is completely free with no limit on the number of sites.

What is CloudPanel's default port?
Port 8443 over https, and you create the admin account yourself on first login.

Does CloudPanel support WordPress?
Yes, you can create a WordPress site quickly with nginx's high performance and a free SSL certificate.

Which operating systems does it run on?
It supports Debian and Ubuntu; a clean, fresh supported release is recommended.

Does it include a mail or DNS server?
No, CloudPanel is web-focused and includes no built-in mail or DNS; for mail and DNS choose HestiaCP.

Can Hyyat Host install it for me?
Yes, through Hyyat Host VPS management plans, or open a ticket and we handle the installation and setup.

Need this service from Hyyat Host?Our team handles it for you, with support replying to tickets within 24 hours at most.
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