

How to Manage Fail2ban on CloudPanzer Servers?

Adding Fail2ban jails to your server helps enhance security by automatically blocking malicious IP addresses attempting to access your system. Fail2ban monitors logs and enforces bans or restrictions based on predefined rules called jails.

How to install a Server

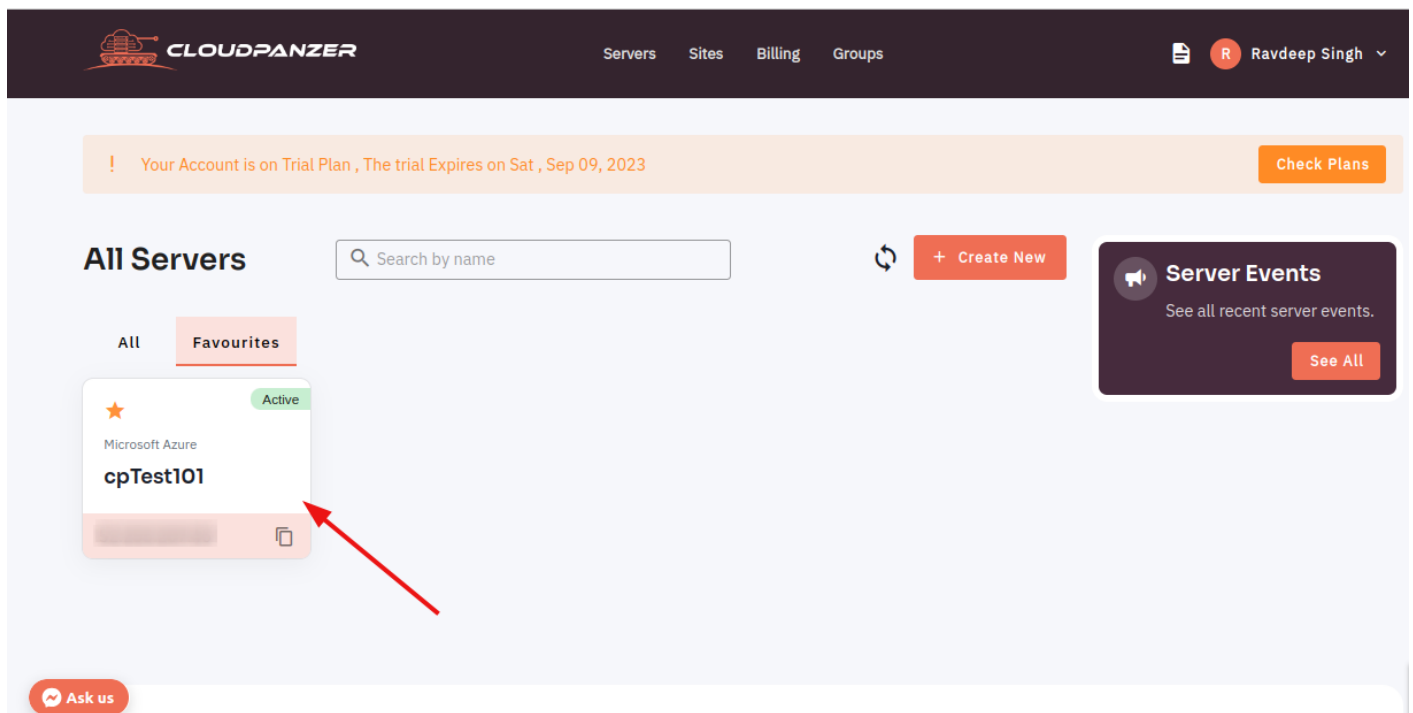
Tutorial :

You can watch the Video or Continue reading the post.

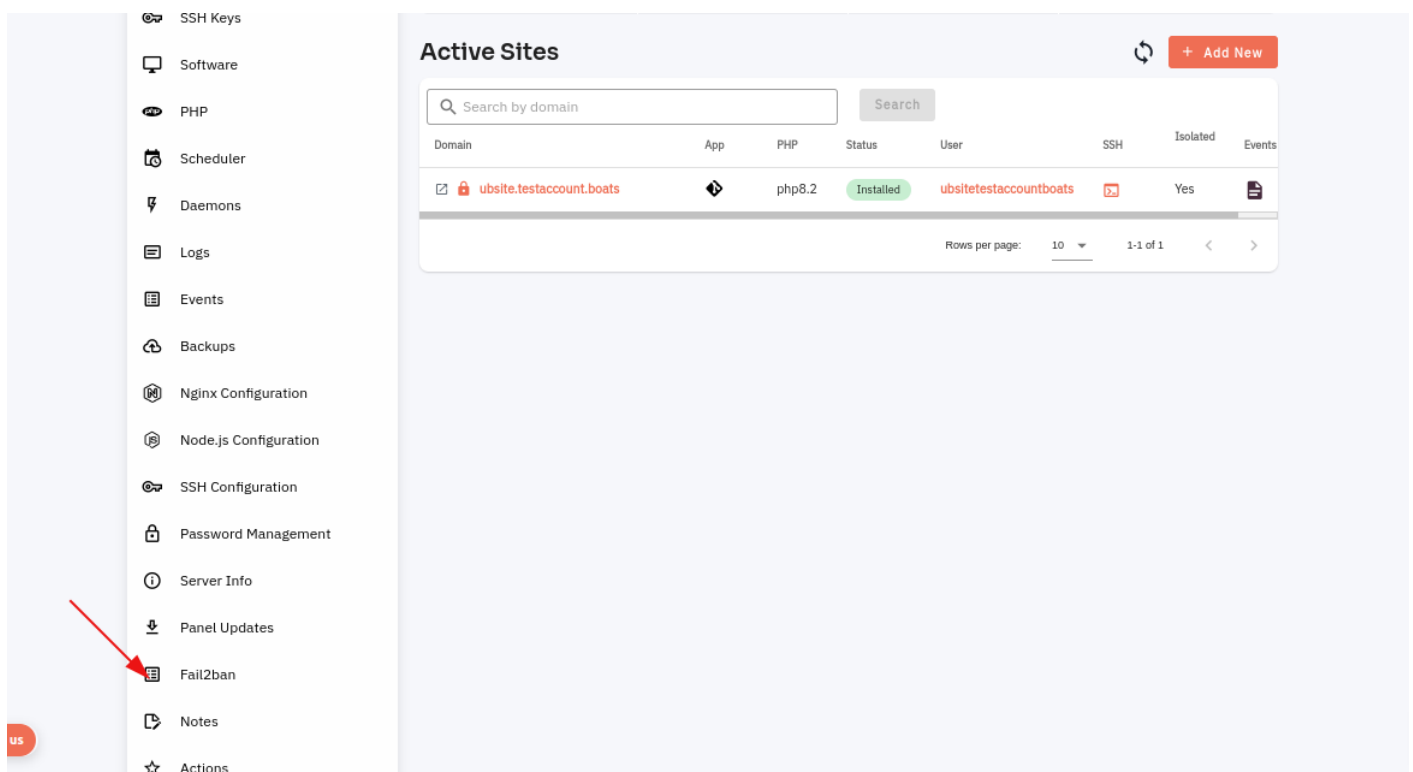
<https://www.youtube.com/embed/3pzi-vMFSMA>

Follow the steps below to add Fail2ban Jails to the server.

1: Once you are logged in, look for a "Server" and click on it.



2. Select the Fail2ban option.



3. Select a Dashboard tab and click on the Status button.

The screenshot shows the CloudPanzer dashboard for server **cpTest101**. The left sidebar contains a search bar and a list of services: Sites, Database, Command, SSH Keys, Software, PHP, Scheduler, Daemons, Logs, Events, Backups, Nginx Configuration, and Node.js Configuration. The main content area displays the **Fail2Ban** configuration for the selected server. At the top, there are tabs for MariaDB, Nginx, Redis, Memcached, Composer, and Fail2ban. The Fail2ban tab is active, showing a **Dashboard** view. The dashboard includes a **Fail2ban (v10.11)** status bar with a **Running** indicator and buttons for **Status**, **Test**, **Restart**, **Stop**, and **Uninstall**. Below this is a **Blocked Ips** section with a table showing blocked IP addresses. A red arrow points to the **Status** button.

Server Details:

- Server Name: cpTest101
- IP Address: 52.255.207.45
- SSH: ssh cpTest101@52.255.207.45
- OS: "Ubuntu 20.04.6 LTS"
- PHP Version: php8.1
- Server Mode: Nginx
- Uptime: Thu 10 Aug - 0 Days, 19 Hours, 45 Minutes 21 second
- Disk usage: 4/29GB (17%)
- RAM usage: 303/843MB (35.94%)
- CPU Cores: 1
- Provider: Microsoft Azure

Fail2Ban Configuration:

- Version: v10.11
- Status: Running
- Buttons: Status, Test, Restart, Stop, Uninstall

Blocked Ips:

Ip Address	Total	Date	Type	Latest Content
No data available				

4. A dialog box will open and click on the Yes button to check the Status.

The screenshot shows the same CloudPanzer dashboard as before, but with a **Check Status Fail2ban** dialog box open. The dialog box contains the text "Are you sure you want to Check Status Fail2ban?" and two buttons: **Cancel** and **Status**. A red arrow points to the **Status** button.

Check Status Fail2ban

Are you sure you want to Check Status Fail2ban?

Buttons: Cancel, Status

Here, you can see the Status checked successfully.

CloudPanzer dashboard showing the Fail2Ban configuration for server **cpTest101**. The Fail2Ban service is in a **Running** state. The dashboard displays server details, resource usage, and the Fail2Ban configuration options.

Server Details:

- cpTest101
- 52.255.207.45
- ssh cptest101@52.255.207.45
- "Ubuntu 20.04.6 LTS"
- php8.1
- Server Mode: Nginx
- Uptime: Thu 10 Aug - 0 Days, 19 Hours, 51 Minutes 57 second
- Disk usage: 4/29GB (17%)
- RAM usage: 303/843MB (35.94%)
- CPU Cores: 1
- Provider: Microsoft Azure

Fail2Ban Configuration:

- Fail2ban (v10.11) **Running**
- Buttons: Status, Test, Restart, Stop, Uninstall

Blocked Ips:

Ip Address	Total	Date	Type	Latest Content
No data available				

5. Click on the Test button to test a Fail2Ban.

CloudPanzer dashboard showing the Fail2Ban configuration for server **cpTest101**. A modal dialog box is displayed, asking for confirmation to test Fail2Ban.

Test Fail2ban

Are you sure you want to Test Fail2ban?

Buttons: Cancel, Test

Here, you can see the server tested successfully.

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Search

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- Node.js Configuration

cpTest101

52.255.207.45 php8.1 Server Mode: Nginx Uptime: Thu 10 Aug - 0 Days, 19 Hours, 54 Minutes 21 second

Disk usage: 4/29GB (17%) RAM usage: 303/843MB (35.94%) CPU Cores: 1 Provider: Microsoft Azure

Fail2Ban cpTest101

Dashboard Jails Filters

Fail2Ban (v10.11) Running

Status Test Restart Stop Uninstall

Blocked Ips

Unban Ban Permanently

<input type="checkbox"/>	Ip Address	Total	Date	Type	Latest Content
No data available					

6. Click on the Restart button.

cpTest101

52.255.207.45 php8.1 Server Mode: Nginx Uptime: Thu 10 Aug - 0 Days, 19 Hours, 56 Minutes 30 second

Disk usage: 4/29GB (17%) RAM usage: 303/843MB (35.94%) CPU Cores: 1 Provider: Microsoft Azure

Fail2Ban cpTest101

Dashboard Jails Filters

Fail2Ban (v10.11) Running

Status Test Restart Stop Uninstall

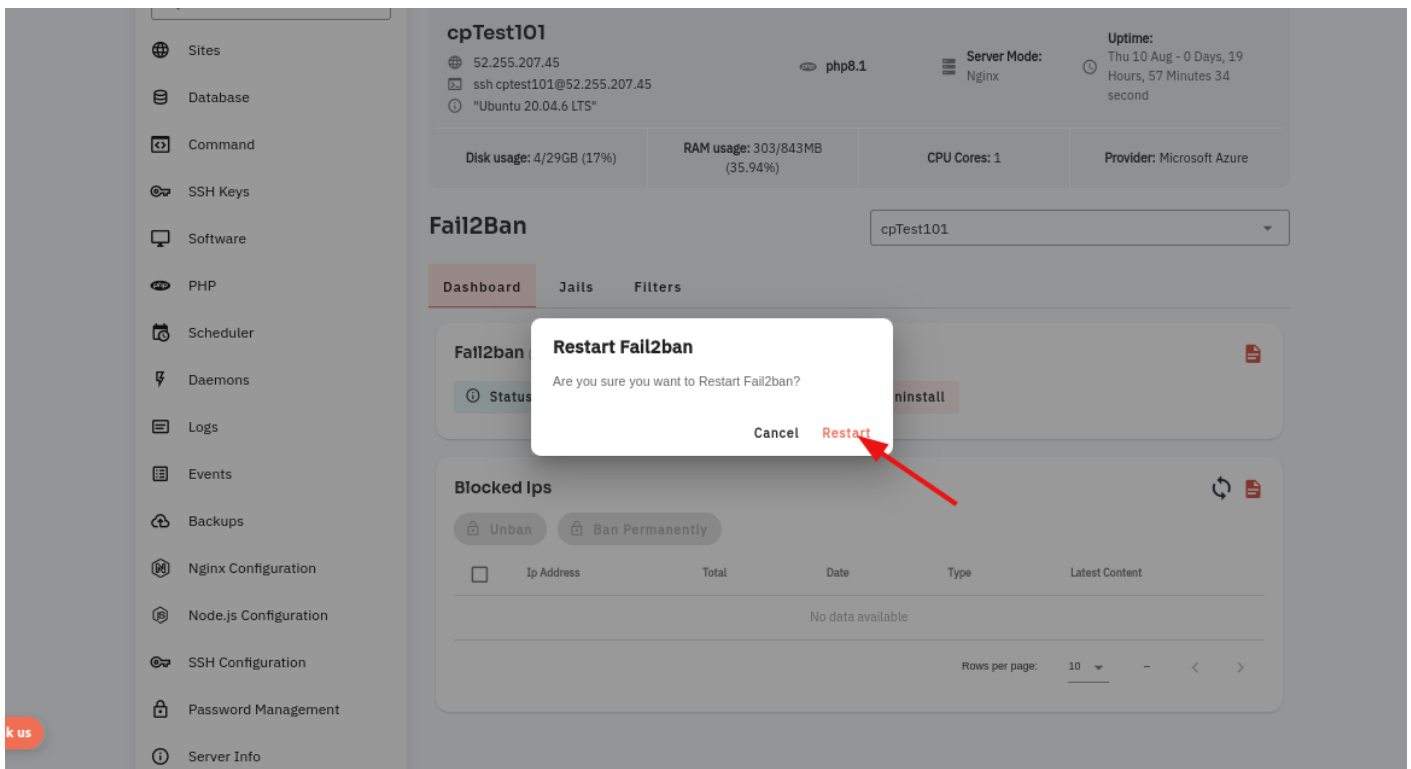
Blocked Ips

Unban Ban Permanently

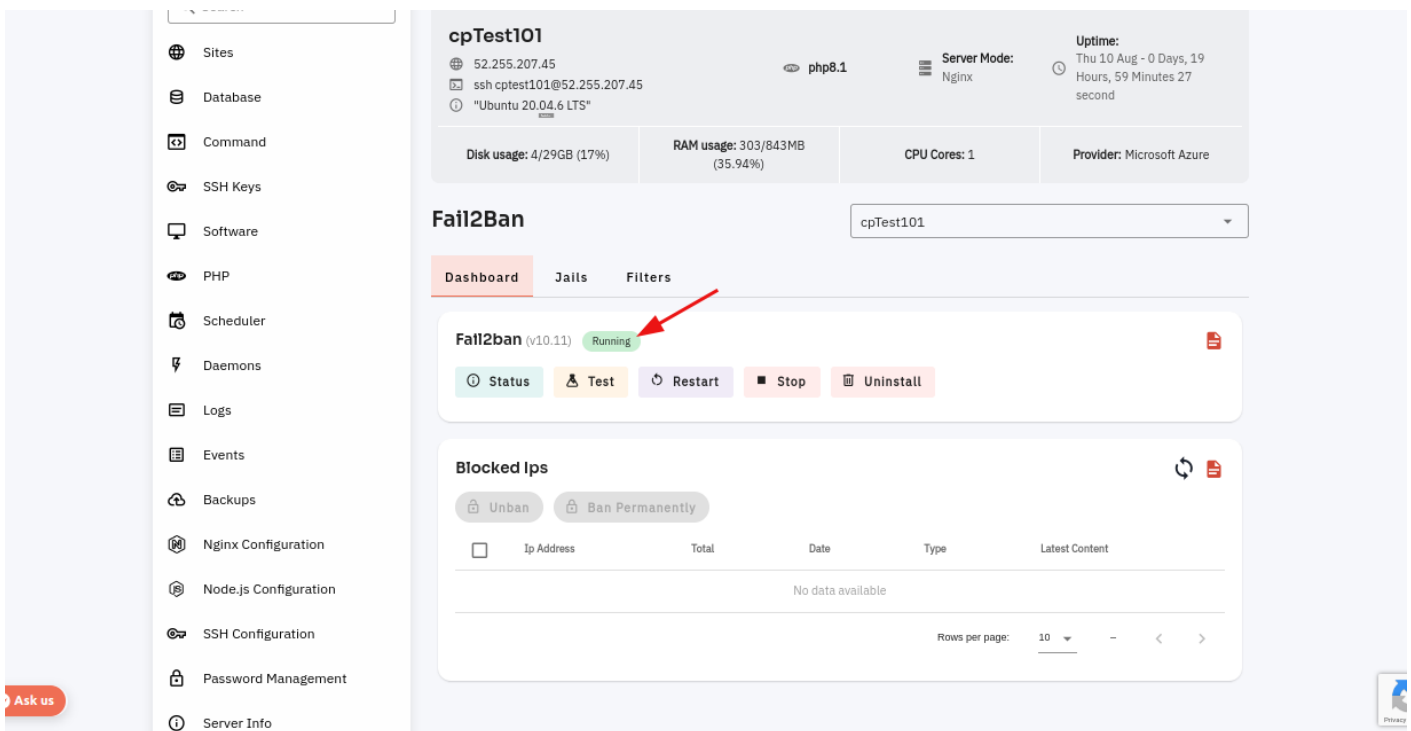
<input type="checkbox"/>	Ip Address	Total	Date	Type	Latest Content
No data available					

Rows per page: 10

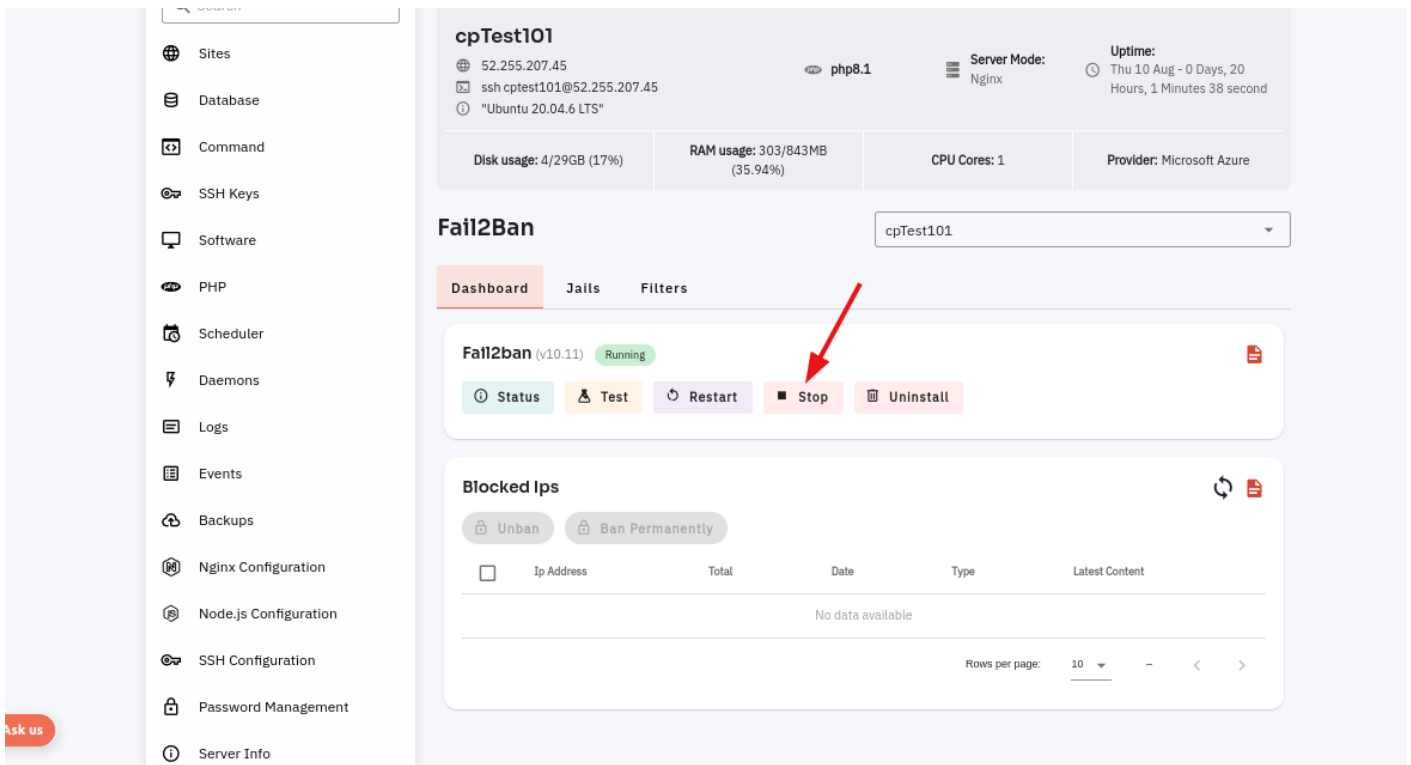
7. A dialog will open, then click on the Restart button.



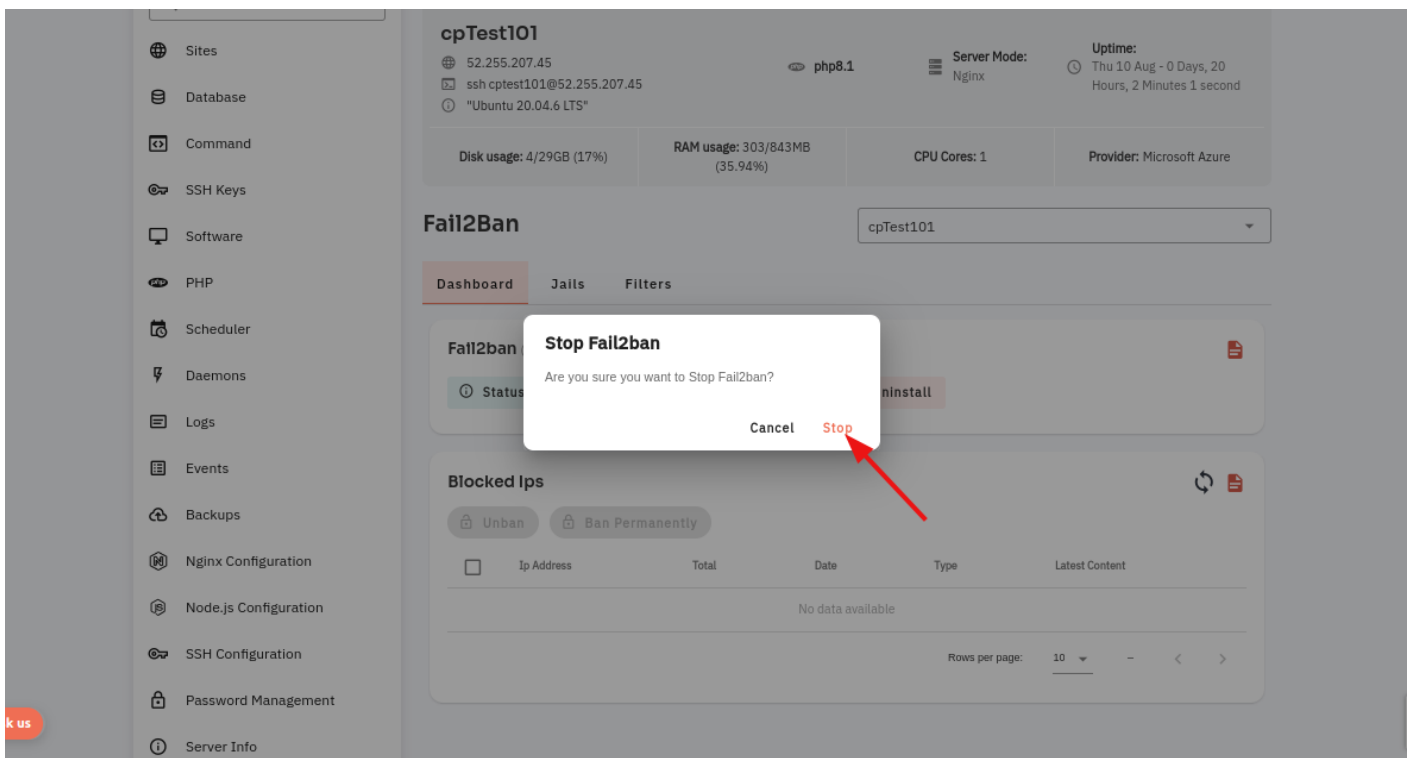
8. Here, you can see Fail2Ban restarted successfully.



9. Click on the stop button.



10. A dialog will open and click on the stop button.



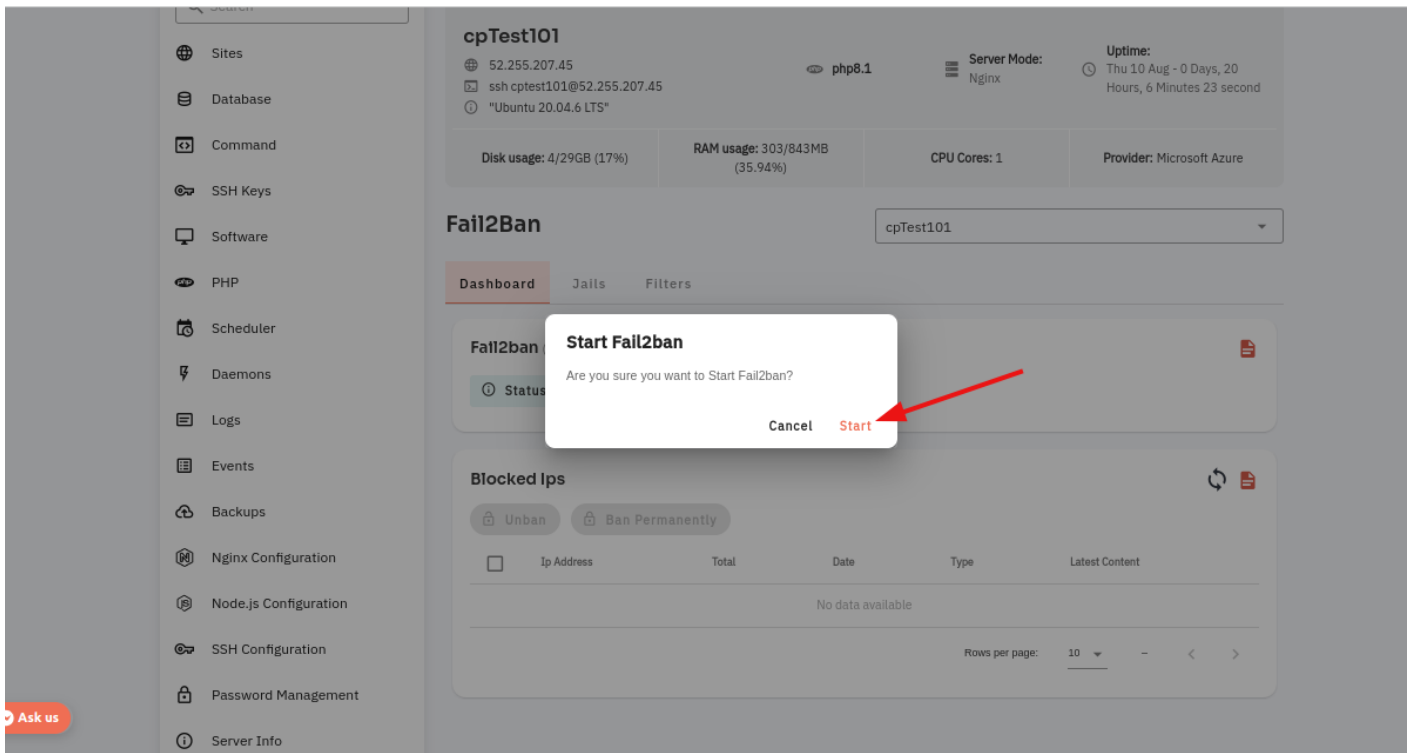
Here, you can see that Fail2Ban stopped successfully.

The screenshot shows the Fail2Ban dashboard for the server 'cpTest101'. The server information at the top includes IP 52.255.207.45, SSH access, and OS 'Ubuntu 20.04.6 LTS'. Resource usage shows 4/29GB disk, 303/843MB RAM, and 1 CPU core. The Fail2Ban service (v10.11) is currently 'Stopped', as indicated by a red label and a red arrow pointing to the 'Start' button. Other buttons include 'Status', 'Test', and 'Uninstall'. Below the service status is a 'Blocked Ips' section with 'Unban' and 'Ban Permanently' buttons, and a table that currently shows 'No data available'.

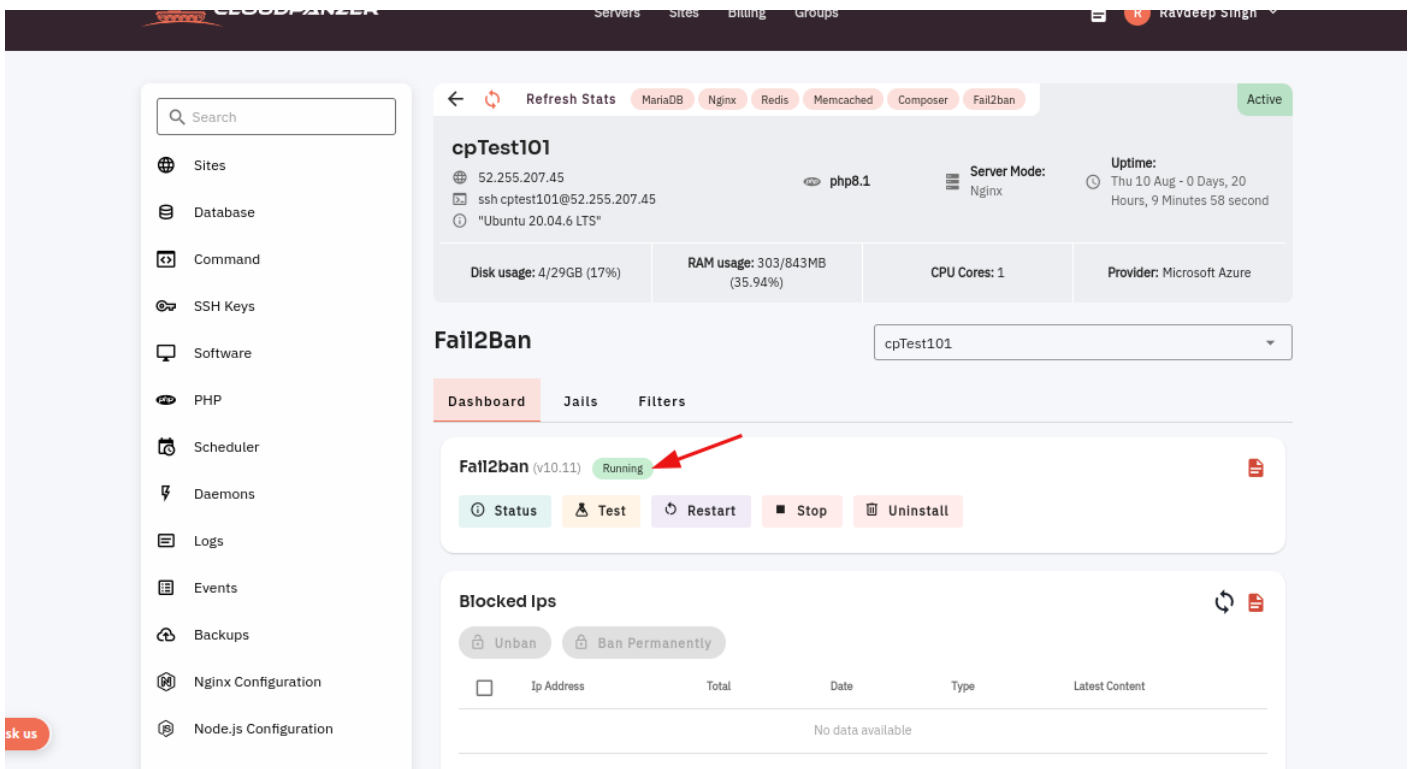
11. Click on the Start button.

This screenshot is identical to the previous one, showing the Fail2Ban dashboard for 'cpTest101'. The 'Start' button is highlighted with a red arrow, indicating the next step in the process. The 'Blocked Ips' table remains empty.

12. A dialog box will open, then click on the start button.



13 . Here, you can see Fail2Ban Started Successfully.



Looking for mobile app Instructions?

Available at: <https://kb.cloudpanzer.com/books/mobile-app/page/how-to-manage-the-fail2ban-configuration-of-cloudpanzer-through-the-mobile-application>

Revision #15

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