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1

Introduction

Documentation is description installation of aaPanel and nodejs on centos7 and manage nodejs app using PM ,we assuming we are using a server ip 206.189.230.88 and using ssh you can login to our server as below

```
ssh root@206.189.230.88
```

2

installation of aaPanel on centos7

1 Update the system first

```
# yum update -y
```

2 install wget to be used the installation script

```
# yum install wget -y
```

3 Now Download the installation script from aaPanel:

```
# wget -O install.sh http://www.aapanel.com/script/install\_6.0\_en.sh -O install.sh
```

4 now start installation by running script as below :

```
# bash install.sh
```

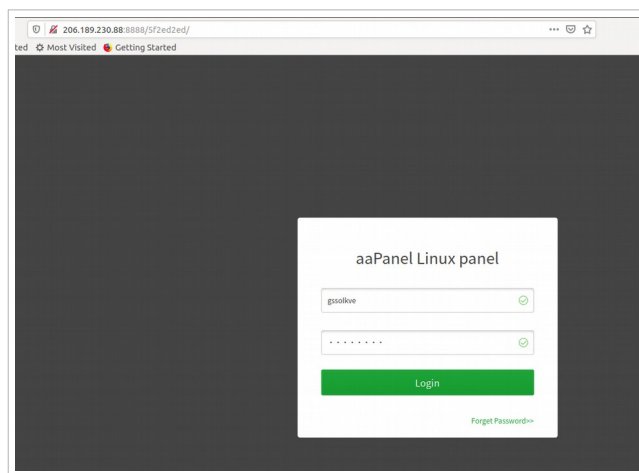
```
[root@testing-bishoy ~]# bash install.sh
-----
| aaPanel 6.0 FOR CentOS/Ubuntu/Debian
| Copyright © 2015-2099 BT-SOFT(http://www.aapanel.com) All rights reserved.
| The WebPanel URL will be http://SERVER_IP:8888 when installed.
-----
Do you want to install aaPanel to the /www directory now?(y/n): y
-----
If you choose to enable SSL (self-signed certificate), you will use https access panel after installation.
After logging in, you can go to the panel settings and change to Let's Encrypt certificate.
-----
Do you need to enable the panel SSL ? (yes/n): n
-----
Selected download node...
█
```

5 the installation script should finished as below

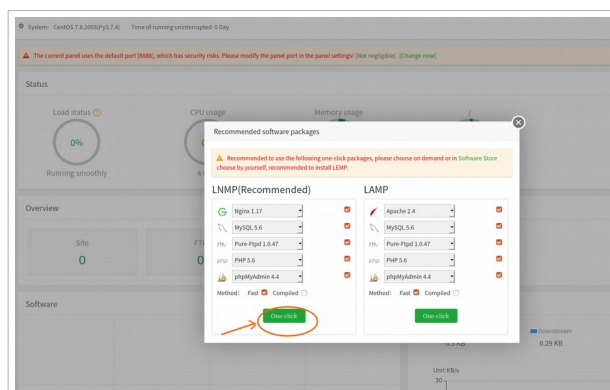
```
python-slip.noarch 0:0.4.0-4.el7      python-slip-dbus.noarch 0:0.4.0-4.el7

Complete!
success
=====
Congratulations! Installed successfully!
=====
aaPanel: http://206.189.230.88:8888/5f2ed2ed
username: gssolkve
password: c8635b00
Warning:
If you cannot access the panel,
release the following port (8888|888|80|443|20|21) in the security group
=====
Time consumed: 1 Minute!
```

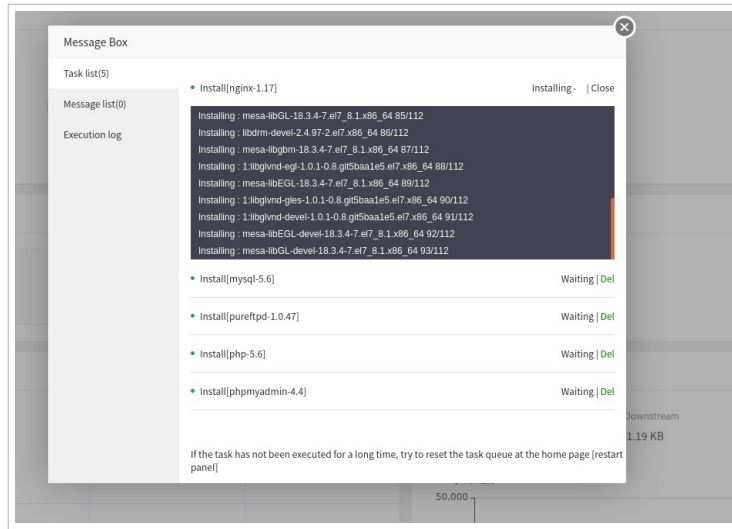
6 now you get your aaPanel to as above info , just go to <http://206.189.230.88:8888/5f2ed2ed> and enter above cerdential as bellow



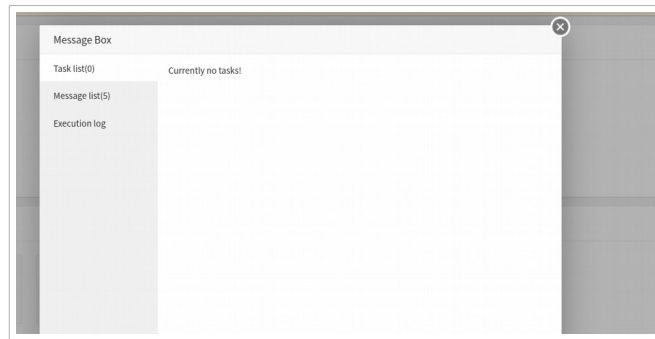
7 once login choose LNMP setup and click on **One-click** button



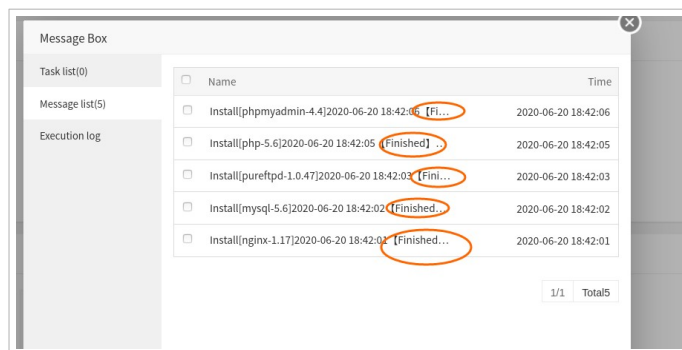
8 once click all packages gonna installed



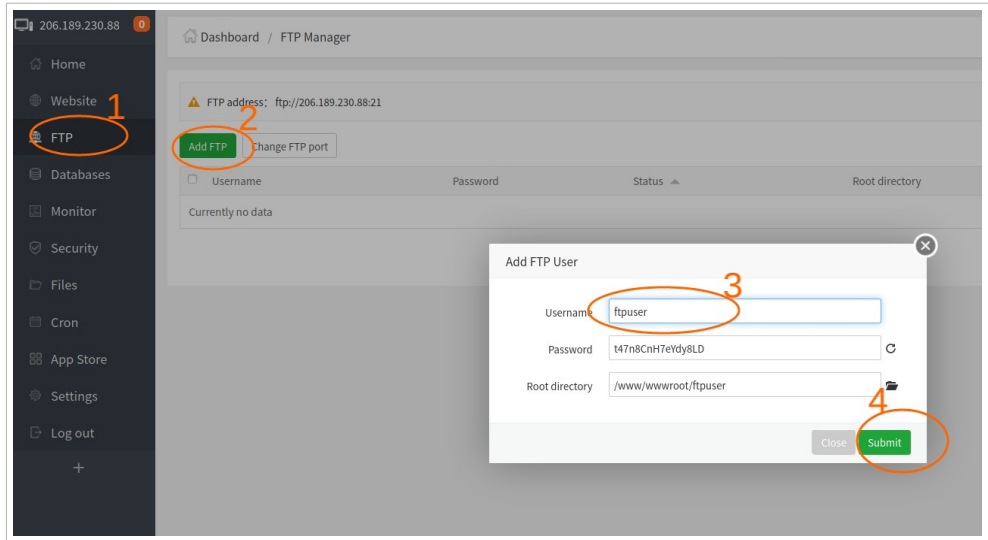
9 once aaPanel installed , you will get this page



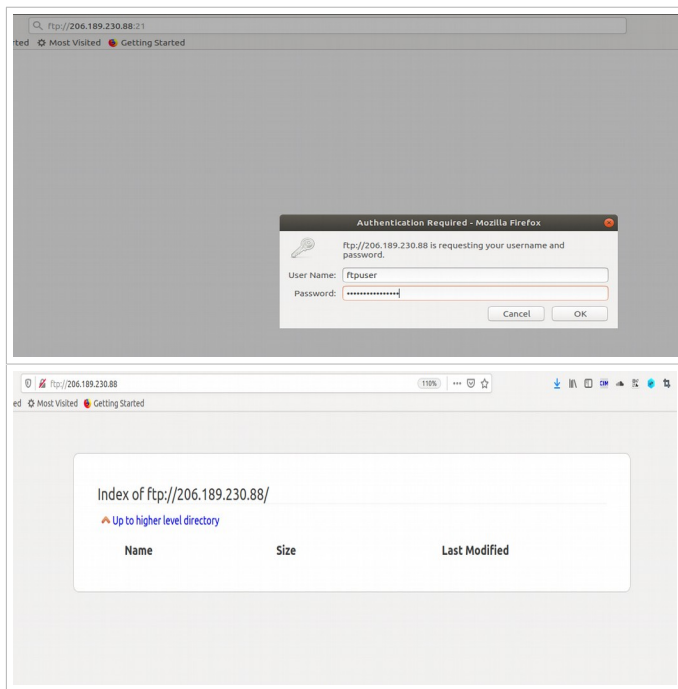
10 verify all packages are finished correctly check packages tab



11 create an ftp user



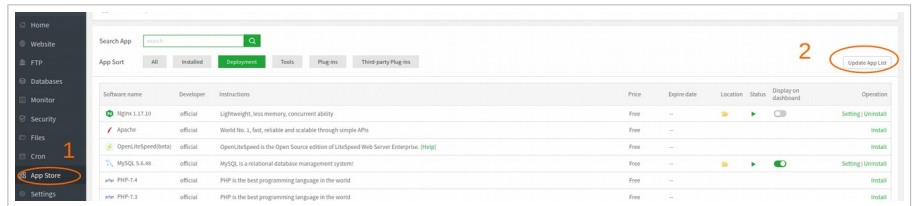
12 Testing ftp user by login to <ftp://206.189.230.88/> using ftpuser/t47n8CnH7eYdy8LD shown above



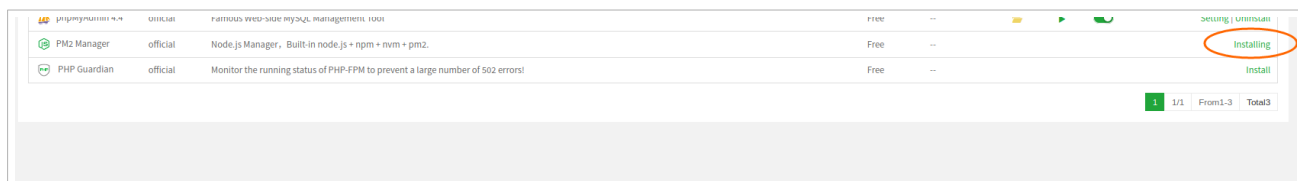
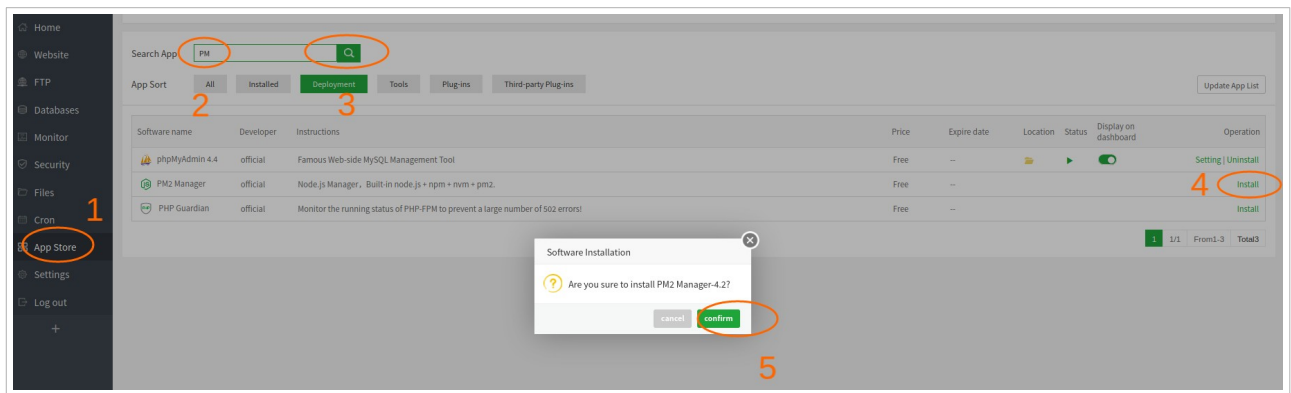
3

Install PM2 app from aaPanel

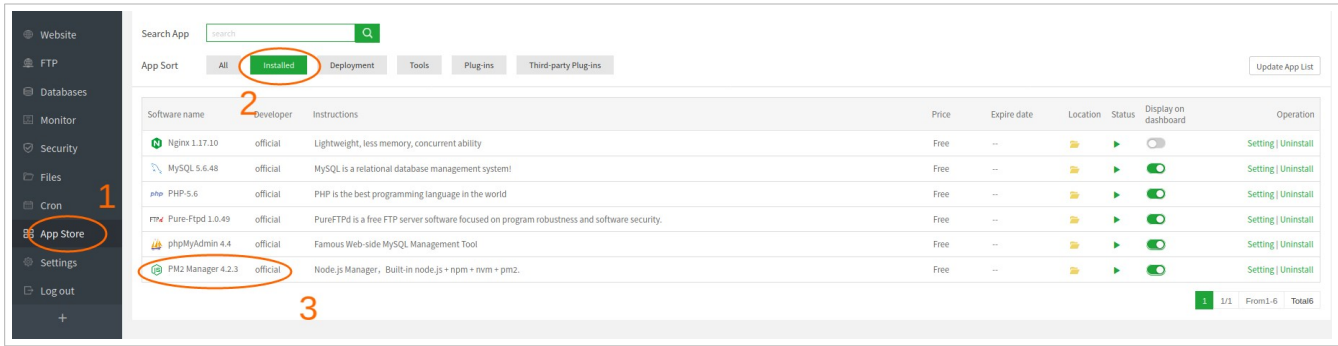
1 First update list of app from App store tab and wait till update



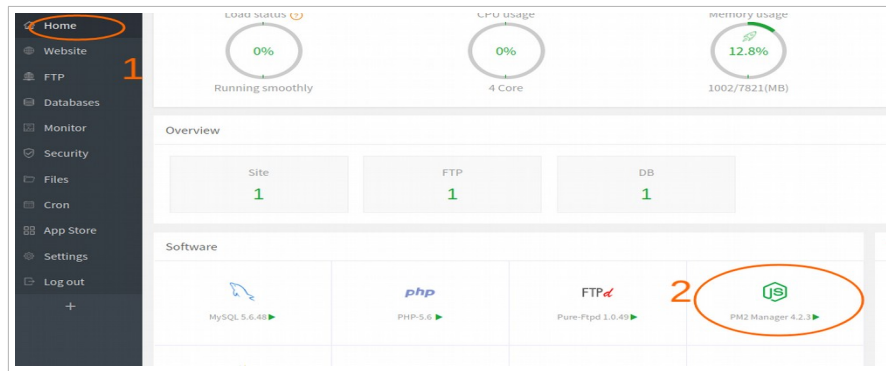
2 install PM2 Install PM2 package go to app store and looking about PM package as below , wait until installed , if it multiple page you can go to next page to find it out



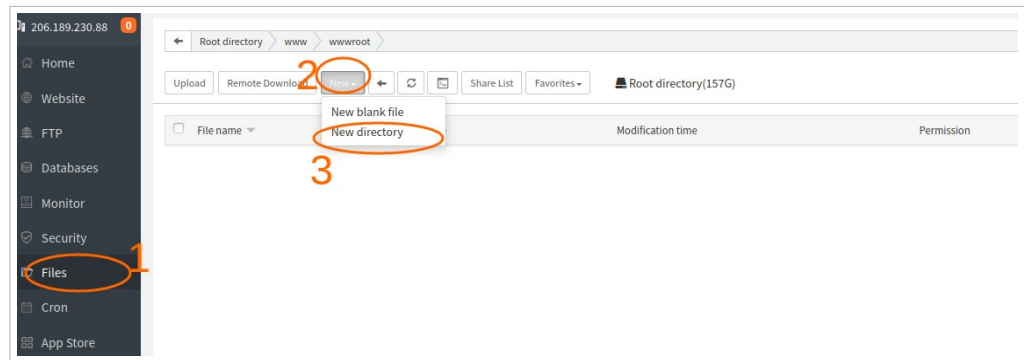
3 refresh aaPanel and verify that PM already installed

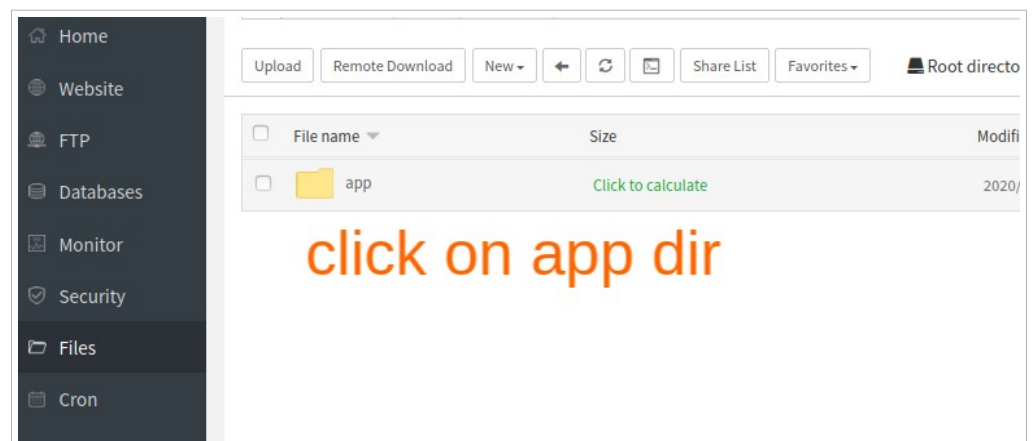
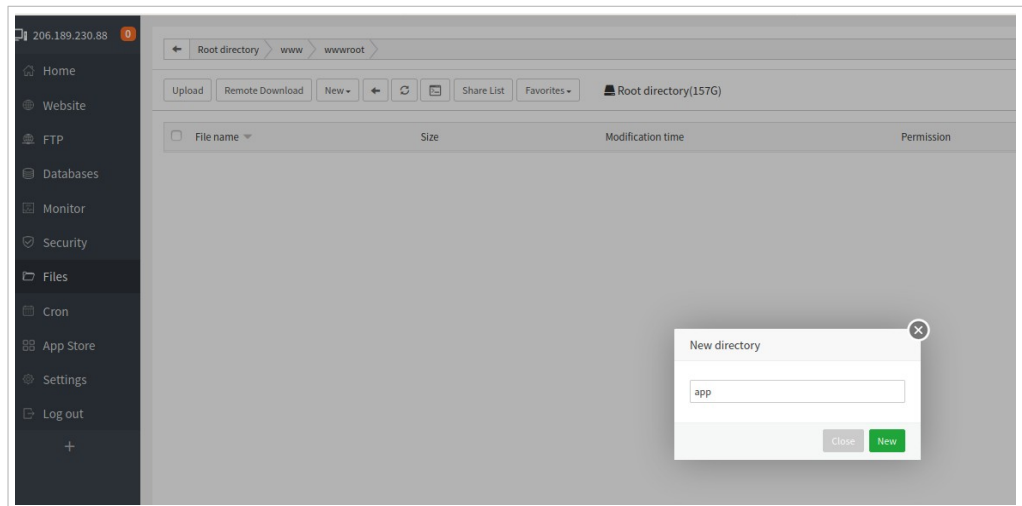


4 verify

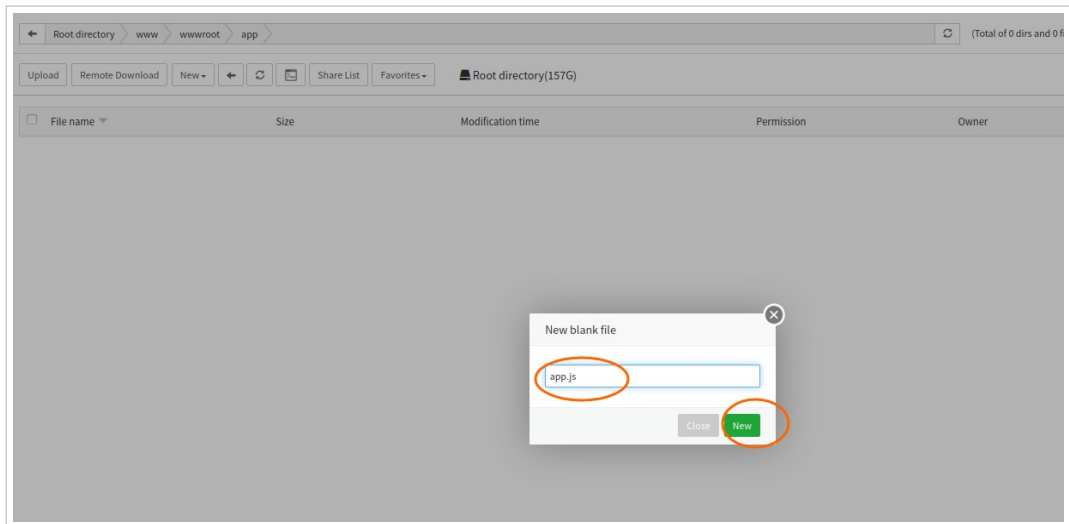
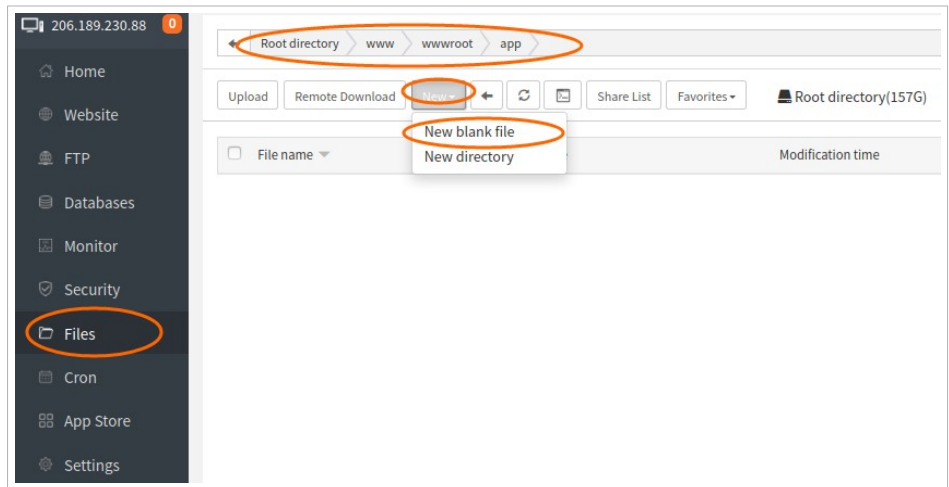


5 create a nodjs app called test_app located in dir /www/wwwroot/app/ and the app.js is the startup file, now we need to create the new dir as path /www/wwwroot/app/





6 create a new a file to called app.js



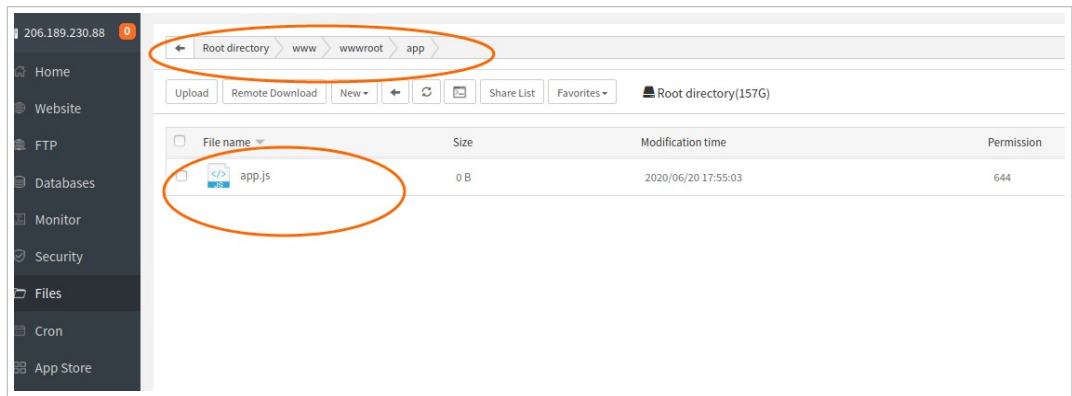
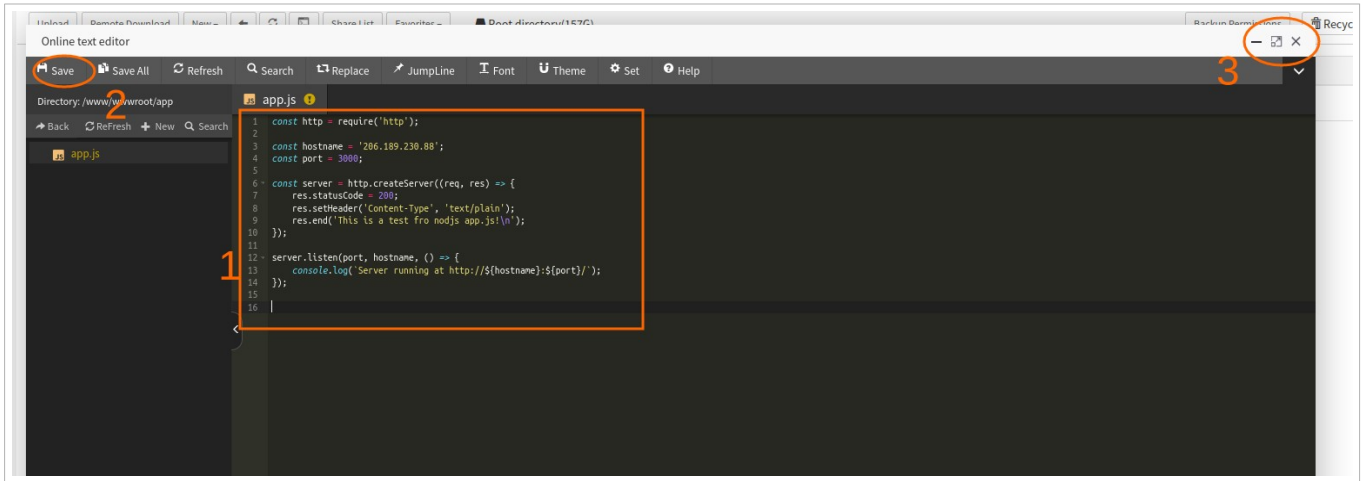
7 write app.js contents as below, save and exist

```
const http = require('http');

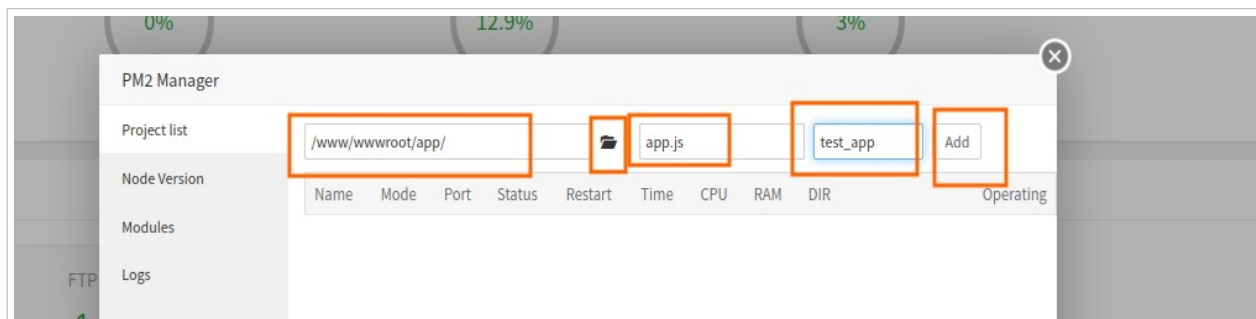
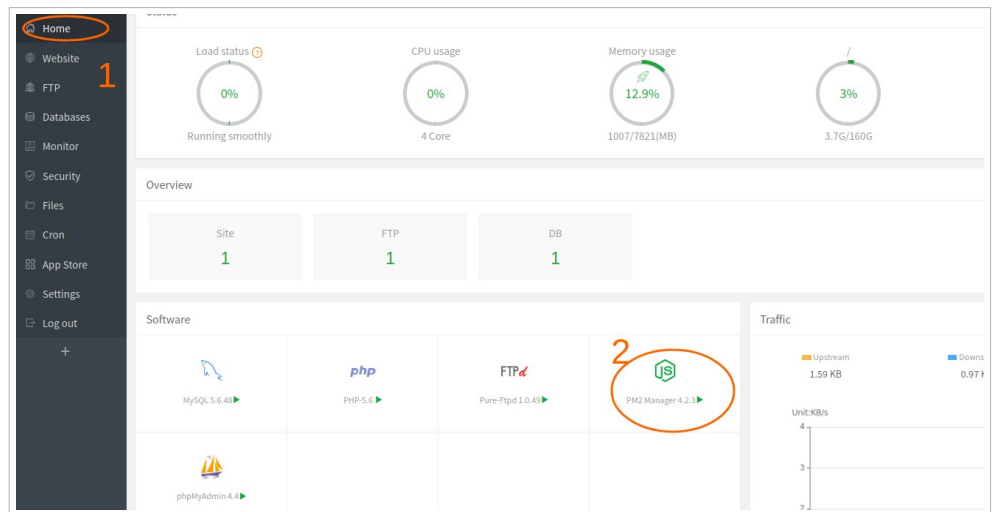
const hostname = '206.189.230.88';
const port = 3000;

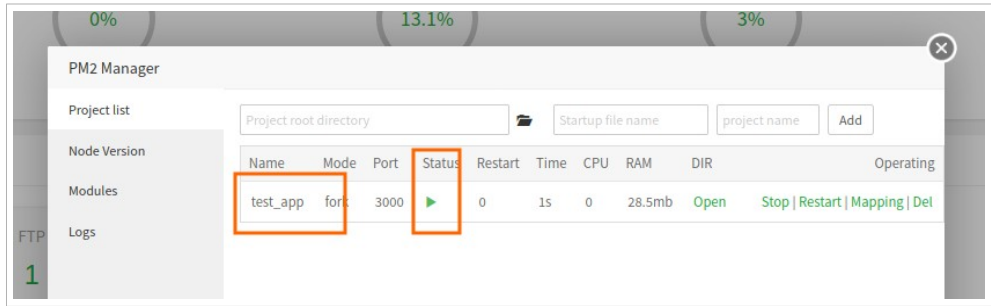
const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'text/plain');
  res.end('This is a test fro nodjs app.js!\n');
});

server.listen(port, hostname, () => {
  console.log(`Server running at http://${hostname}:${port}/`);
});
```



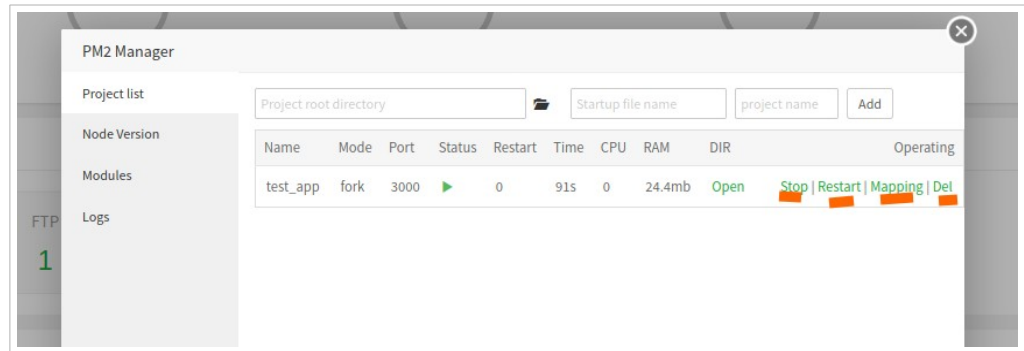
8 time to start this nodjs app as below , go to home tab and start app



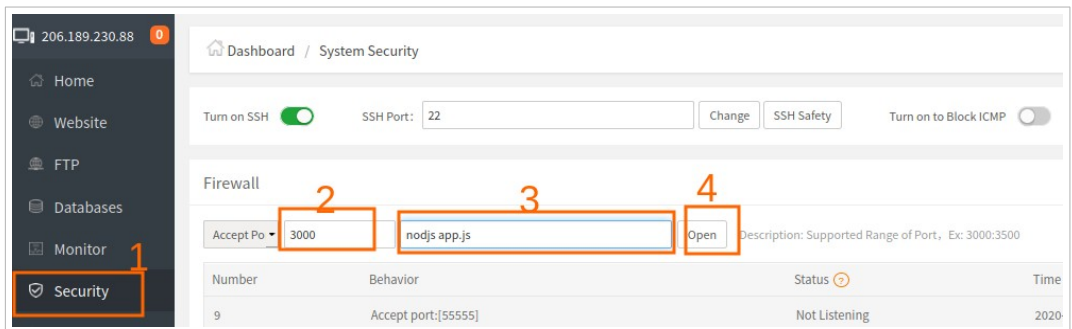


as above your test_app is running and working well

9 now you can manage your app life cycle as below option (stop,restart,mapping,del)



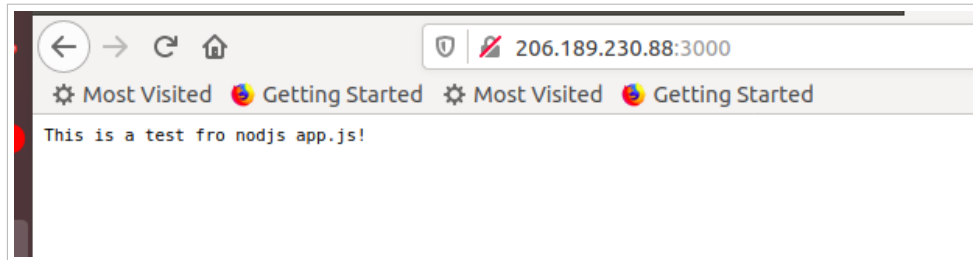
10 open port on aaPanel from security tab to allow app reachable from outside



11 verify port 3000 already opened

| Number | Behavior | Status | Time added | Instructions |
|--------|--------------------|---------------|---------------------|--------------|
| 13 | Accept port:[3000] | Not Listening | 2020-06-21 02:54:33 | nodjs app.js |

12 now you can access your app using <http://206.189.230.88:3000>



4 install mongodb using aaPanel

1 Install mongodb package

Dashboard / Software Store

Search App

App Sort: All | Installed | Deployment | Tools | Plug-ins | Third-party Plug-ins Update App List

| Software name | Developer | Instructions | Price | Expire date | Location | Status | Display on dashboard | Operation |
|--------------------------|-----------|--|-------|-------------|----------|--------|----------------------|---------------------|
| phpMyAdmin 4.4 | official | Famous Web-side MySQL Management Tool | Free | -- | | | | Setting Uninstall |
| PM2 Manager 4.2.3 | official | Node.js Manager, Built-in node.js + npm + nvm + pm2. | Free | -- | | | | Setting Uninstall |
| Java Project Manager | official | The first choice for developing and debugging JSP programs | Free | -- | | | | Install |
| Docker Manager | official | Docker is an open source application container engine | Free | -- | | | | Install |
| MongoDB | official | Database Based on Distributed File Storage | Free | -- | | | | Install |
| Memcached | official | Memcached is a high performance distributed memory object caching system | Free | -- | | | | Install |
| Redis | official | Redis is a high performance key-value database | Free | -- | | | | Install |
| Dns Manager | official | Temporarily only supports centos7 and above | Free | -- | | | | Install |
| Fail2ban Manager | official | ban hosts that cause multiple authentication errors | Free | -- | | | | Install |
| Mail Server | official | Build Mail Server for yourself, Supports centos7+ and ubuntu 16+ | Free | -- | | | | Install |
| <> one-click deployment | official | Quickly deploy common programs | Free | -- | | | | Install |
| One-click migration beta | official | Quickly migrate panel data! | Free | -- | | | | Install |
| Python Manager | official | Manage multi-version Python and projects | Free | -- | | | | Install |
| PostgreSQL Manager | official | Used to install and manage PostgreSQL databases | Free | -- | | | | Install |
| FTP Storage | official | Package the website or database back to the FTP storage space. | Free | -- | | | | Install |

Page 2 of 3 (Total 38)

| | | | | | | |
|----------------|----------|--|------|----|--|------------|
| Docker Manager | official | Docker is an open source application container engine | Free | -- | | Install |
| MongoDB | official | Database Based on Distributed File Storage | Free | -- | | Installing |
| Memcached | official | Memcached is a high performance distributed memory object caching system | Free | -- | | Install |

2 once installed you can find it on home tab

Dashboard / Software Store

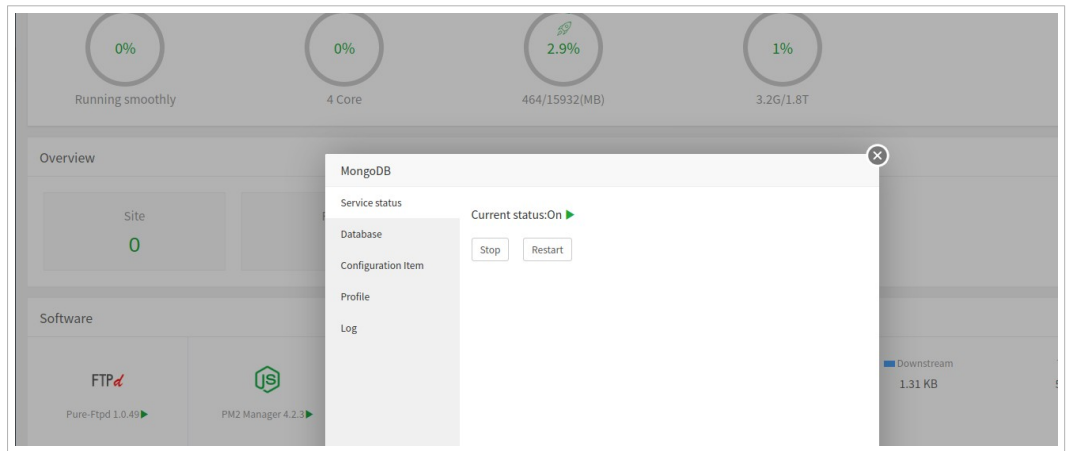
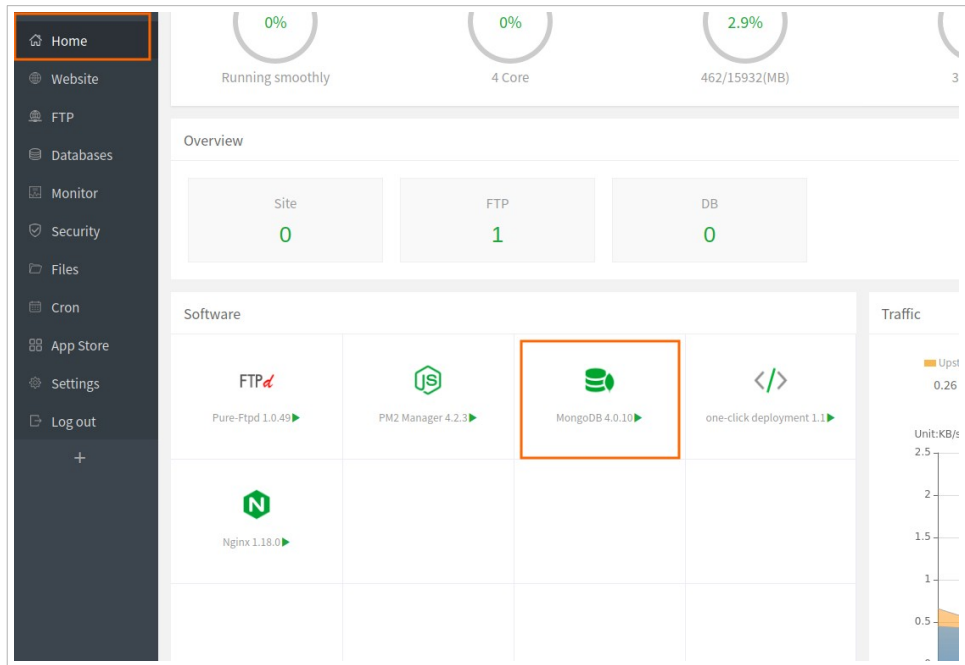
Search App

App Sort: All **Installed** Deployment Tools Plug-ins Third-party Plug-ins Update App List

| Software name | Developer | Instructions | Price | Expire date | Location | Status | Display on dashboard | Operation |
|-----------------------|-----------|---|-------|-------------|----------|--------|-------------------------------------|---|
| Nginx 1.17.10 | official | Lightweight, less memory, concurrent ability | Free | -- | | | <input type="checkbox"/> | Setting Uninstall |
| MySQL 5.6.48 | official | MySQL is a relational database management system! | Free | -- | | | <input checked="" type="checkbox"/> | Setting Uninstall |
| PHP-5.6 | official | PHP is the best programming language in the world | Free | -- | | | <input checked="" type="checkbox"/> | Setting Uninstall |
| Pure-FTPd 1.0.49 | official | PureFTPd is a free FTP server software focused on program robustness and software security. | Free | -- | | | <input checked="" type="checkbox"/> | Setting Uninstall |
| phpMyAdmin 4.4 | official | Famous Web-side MySQL Management Tool | Free | -- | | | <input checked="" type="checkbox"/> | Setting Uninstall |
| Node.js Manager 2.3.3 | official | Node.js Manager, Built-in node.js + npm + nvm + pm2. | Free | -- | | | <input checked="" type="checkbox"/> | Setting Uninstall |
| MongoDB 4.0.10 | official | Database Based on Distributed File Storage | Free | -- | | | <input type="checkbox"/> | Setting Uninstall |

1/1 3/1 From:1-7 Total:7

3 you can check mongodb status from Home tab as below



4 you can create a database also

