

# Node

## pm2

pm2

```
npm install pm2 -g
```

```
Enode-MacBook-Pro:pm2 eno$ sudo -i
Password:
Enode-MacBook-Pro:~ root# cnpm install pm2 -g
Downloading pm2 to /usr/local/lib/node_modules/pm2_tmp
[pm2@3.2.2] download Error: GET http://registry.npm.taobao.org/pm2/download/pm2
Copying /usr/local/lib/node_modules/pm2_tmp/_pm2@3.2.2@pm2 to /usr/local/lib/node_modules/pm2
Installing pm2's dependencies to /usr/local/lib/node_modules/pm2/node_modules
[1/32] blessed@^0.1.81 installed at node_modules/_blessed@0.1.81@blessed
[2/32] commander@2.15.1 installed at node_modules/_commander@2.15.1@commander
[3/32] debug@3.1.1 existed at node_modules/_debug@3.2.6@debug
```

```
index.js
```

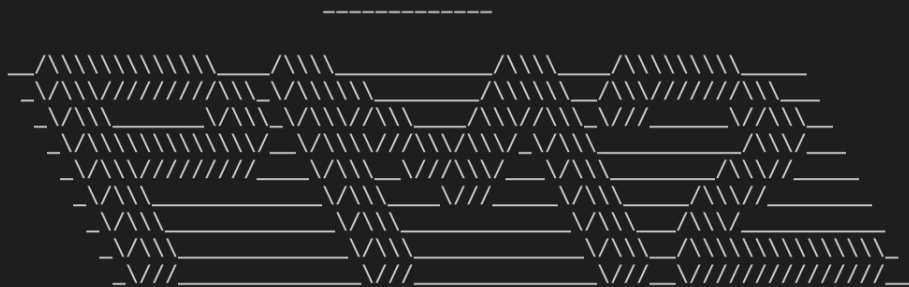
```
pm2 start index.js
```

JS index.js x

```
1 console.log("test");
```

问题 3 输出 调试控制台 终端

Enode-MacBook-Pro:pm2 eno\$ pm2 start index.js



#### Runtime Edition

PM2 is a Production Process Manager for Node.js applications with a built-in Load Balancer.

Start and Daemonize any application:  
\$ pm2 start app.js

Load Balance 4 instances of api.js:  
\$ pm2 start api.js -i 4

Monitor in production:  
\$ pm2 monitor

Make pm2 auto-boot at server restart:  
\$ pm2 startup

To go further checkout:  
<http://pm2.io/>

```
[PM2] Spawning PM2 daemon with pm2_home=/Users/eno/.pm2
[PM2] PM2 Successfully daemonized
[PM2] Starting /Users/eno/Documents/Wscats/pm2/index.js in fork_mode (1 instance)
[PM2] Done.
```

App name	id	version	mode	pid	status	restart	uptime	cpu	mem	user	watching
index	0	N/A	fork	5234	online	0	0s	0%	10.3 MB	eno	disabled

Use `pm2 show <id|name>` to get more details about an app  
Enode-MacBook-Pro:pm2 eno\$

```
pm2 stop      <app_name| id| 'all'| json_conf>
pm2 restart   <app_name| id| 'all'| json_conf>
pm2 delete    <app_name| id| 'all'| json_conf>
```

```
pm2 stop index.js | index.js
```

```
Enode-MacBook-Pro:pm2 eno$ pm2 stop index.js
[PM2] Applying action stopProcessId on app [index.js](ids: 0)
[PM2] [index](0) ✓
```

App name	id	version	mode	pid	status	restart	uptime	cpu	mem	user	watching
index	0	N/A	fork	0	stopped	1565	0	0%	0 B	eno	disabled

Use `pm2 show <id|name>` to get more details about an app

```
pm2 start app.js --watch
```

```
watch | ignore_watch
```

```
ecosystem.json
```

```
{
  "name": "test", //
  "script": "./bin/www", //
  "cwd": "./", //
  "watch": [ //
    "bin",
    "routers"
  ],
  "ignore_watch": [ //
    "node_modules",
    "logs",
    "public"
  ],
  "watch_options": {
    "followSymlinks": false
  },
  "max_memory_restart": "100M", //
  "error_file": "./logs/app-err.log", //
  "out_file": "./logs/app-out.log", //
  "env": {
    "NODE_ENV": "production" //
  }
}
```

```
# Start all apps
pm2 start ecosystem.json
```

```
# Stop
pm2 stop ecosystem.json

# Restart
pm2 start ecosystem.json

## Or
pm2 restart ecosystem.json

# Reload
pm2 reload ecosystem.json

# Delete from PM2
pm2 delete ecosystem.json
```

```
delete | start |
```

```
Enode-MacBook-Pro:pm2 eno$ pm2 start ecosystem.json
[PM2] [WARN] Applications test not running, starting...
[PM2] [WARN] Folder does not exist: /Users/enno/Documents/Wscats/pm2/logs
[PM2] Creating folder: /Users/enno/Documents/Wscats/pm2/logs
[PM2] [WARN] Folder does not exist: /Users/enno/Documents/Wscats/pm2/logs
[PM2] Creating folder: /Users/enno/Documents/Wscats/pm2/logs
[PM2] App [test] launched (1 instances)
```

App name	id	version	mode	pid	status	restart	uptime	cpu	mem	user	watching
index test	0	N/A	fork	0	stopped	1565	0	0%	0 B	eno	disabled
	1	N/A	fork	8842	online	0	0s	0%	13.0 MB	eno	enabled

Use `pm2 show <id|name>` to get more details about an app

-i 0

```
pm2 start app.js -i 3 //
pm2 start app.js -i max // CPU
```

```
pm2 logs
```

```
n|pm2|
```

```
pm2 logs
```

```
--max-memory-restart
```

```
pm2 start big-array.js --max-memory-restart 20M
```

- [PM2](#)

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Revision #1

Created 20 March 2020 15:58:22 by

Updated 23 March 2020 10:03:24 by