

PM2 - CLUSTER

NODEMON - FORK/CLUSTER

```
walter@MBP-de-Walter src % nodemon main.js 8080
[nodemon] 2.0.19
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node main.js 8080`
Servidor http escuchando en el puerto 8080
^C
walter@MBP-de-Walter src % nodemon main.js 8080 cluster
[nodemon] 2.0.19
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node main.js 8080 cluster`
Servidor http escuchando en el puerto 8080
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```

FOREVER - FORK/CLUSTER

```
walter@MBP-de-Walter src % forever start main.js 8080 cluster
warn: --minUptime not set. Defaulting to: 1000ms
warn: --spinSleepTime not set. Your script will exit if it does not stay up for at least 1000ms
info: Forever processing file: main.js
(node:58802) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
(node:58802) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
walter@MBP-de-Walter src % forever list
(node:58838) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
(node:58838) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
info: Forever processes running
data: uid command script forever pid id logfile uptime
data: [0] k0o0 /usr/local/bin/node main.js 8080 cluster 58803 58810 /Users/walter/.forever/k0o0.log 0:0:0:51.217
walter@MBP-de-Walter src % forever stopall
(node:58848) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
(node:58848) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
info: Forever stopped processes:
data: uid command script forever pid id logfile uptime
data: [0] k0o0 /usr/local/bin/node main.js 8080 cluster 58803 58810 /Users/walter/.forever/k0o0.log 0:0:1:19.851
walter@MBP-de-Walter src %
```

PM2 - FORK

```
walter@MBP-de-Walter src % pm2 start main.js --name="WaltitoServer1"
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.



| id | name           | namespace | version | mode | pid   | uptime | ⚡ | status | cpu | mem   | user   | watching |
|----|----------------|-----------|---------|------|-------|--------|---|--------|-----|-------|--------|----------|
| 0  | WaltitoServer1 | default   | 1.0.0   | fork | 59169 | 0s     | 0 | online | 0%  | 2.6mb | walter | disabled |


walter@MBP-de-Walter src % pm2 delete WaltitoServer1
[PM2] Applying action deleteProcessId on app [WaltitoServer1](ids: [ 0 ])
[PM2] [WaltitoServer1](0) ✓



| id | name           | namespace | version | mode | pid   | uptime | ⚡ | status | cpu | mem   | user   | watching |
|----|----------------|-----------|---------|------|-------|--------|---|--------|-----|-------|--------|----------|
| 0  | WaltitoServer1 | default   | 1.0.0   | fork | 59197 | 0s     | 0 | online | 0%  | 6.6mb | walter | enabled  |


walter@MBP-de-Walter src % pm2 start main.js --name="WaltitoServer1" --watch
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.



| id | name           | namespace | version | mode | pid   | uptime | ⚡ | status | cpu | mem   | user   | watching |
|----|----------------|-----------|---------|------|-------|--------|---|--------|-----|-------|--------|----------|
| 0  | WaltitoServer1 | default   | 1.0.0   | fork | 59197 | 0s     | 0 | online | 0%  | 6.6mb | walter | enabled  |


walter@MBP-de-Walter src %
```

PM2 - CLUSTER

```
walter@MBP-de-Walter src % pm2 start main.js --name="WaltitoServer1" -i max
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in cluster_mode (0 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	cluster	59259	1s	0	online	42%	65.7mb	walter	disabled
1	WaltitoServer1	default	1.0.0	cluster	59260	1s	0	online	37%	67.8mb	walter	disabled
2	WaltitoServer1	default	1.0.0	cluster	59263	1s	0	online	36%	66.1mb	walter	disabled
3	WaltitoServer1	default	1.0.0	cluster	59266	0s	0	online	32%	58.2mb	walter	disabled
4	WaltitoServer1	default	1.0.0	cluster	59271	0s	0	online	23%	46.6mb	walter	disabled
5	WaltitoServer1	default	1.0.0	cluster	59274	0s	0	online	14%	36.5mb	walter	disabled
6	WaltitoServer1	default	1.0.0	cluster	59275	0s	0	online	14%	36.2mb	walter	disabled
7	WaltitoServer1	default	1.0.0	cluster	59282	0s	0	online	0%	34.1mb	walter	disabled

```
walter@MBP-de-Walter src % pm2 delete WaltitoServer1
```

```
[PM2] Applying action deleteProcessId on app [WaltitoServer1](ids: [
  0, 1, 2, 3,
  4, 5, 6, 7
])
```

```
[PM2] [WaltitoServer1](4) ✓
[PM2] [WaltitoServer1](5) ✓
[PM2] [WaltitoServer1](3) ✓
[PM2] [WaltitoServer1](2) ✓
[PM2] [WaltitoServer1](1) ✓
[PM2] [WaltitoServer1](0) ✓
[PM2] [WaltitoServer1](7) ✓
[PM2] [WaltitoServer1](6) ✓
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
----	------	-----------	---------	------	-----	--------	---	--------	-----	-----	------	----------

```
walter@MBP-de-Walter src % pm2 start main.js --name="WaltitoServer1" -i max --watch
```

```
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in cluster_mode (0 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	cluster	59359	0s	0	online	34%	60.2mb	walter	enabled
1	WaltitoServer1	default	1.0.0	cluster	59360	0s	0	online	28%	48.0mb	walter	enabled
2	WaltitoServer1	default	1.0.0	cluster	59363	0s	0	online	27%	47.4mb	walter	enabled
3	WaltitoServer1	default	1.0.0	cluster	59366	0s	0	online	23%	45.1mb	walter	enabled
4	WaltitoServer1	default	1.0.0	cluster	59369	0s	0	online	16%	38.3mb	walter	enabled
5	WaltitoServer1	default	1.0.0	cluster	59370	0s	0	online	14%	36.2mb	walter	enabled
6	WaltitoServer1	default	1.0.0	cluster	59373	0s	0	online	0%	34.0mb	walter	enabled
7	WaltitoServer1	default	1.0.0	cluster	59376	0s	0	online	0%	33.8mb	walter	enabled

```
walter@MBP-de-Walter src %
```

NGINX - SERVER CLUSTER

```
walter@MacBook-Pro-de-Walter src % pm2 start main.js --name="WaltitoServer1" -- 8080
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	fork	60170	0s	0	online	0%	2.6mb	walter	disabled

```
walter@MacBook-Pro-de-Walter src % pm2 start main.js --name="WaltitoServer2" -- 8082
```

```
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	fork	60170	5s	0	online	0%	122.8mb	walter	disabled
1	WaltitoServer2	default	1.0.0	fork	60186	0s	0	online	0%	3.0mb	walter	disabled

```
walter@MacBook-Pro-de-Walter src % pm2 start main.js --name="WaltitoServer3" -- 8083
```

```
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	fork	60170	11s	0	online	0%	93.3mb	walter	disabled
1	WaltitoServer2	default	1.0.0	fork	60186	5s	0	online	0%	124.2mb	walter	disabled
2	WaltitoServer3	default	1.0.0	fork	60204	0s	0	online	0%	3.2mb	walter	disabled

```
walter@MacBook-Pro-de-Walter src % pm2 start main.js --name="WaltitoServer4" -- 8084
```

```
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	fork	60170	19s	0	online	0%	93.8mb	walter	disabled
1	WaltitoServer2	default	1.0.0	fork	60186	14s	0	online	0%	96.8mb	walter	disabled
2	WaltitoServer3	default	1.0.0	fork	60204	8s	0	online	0%	123.5mb	walter	disabled
3	WaltitoServer4	default	1.0.0	fork	60224	0s	0	online	0%	2.5mb	walter	disabled

```
walter@MacBook-Pro-de-Walter src % pm2 start main.js --name="WaltitoServer5" -- 8085
```

```
[PM2] Starting /Users/walter/Documents/Coderhouse/Back End/Entregas-EJ/Clase 30 - Carga/src/main.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	⚡	status	cpu	mem	user	watching
0	WaltitoServer1	default	1.0.0	fork	60170	31s	0	online	0%	94.2mb	walter	disabled
1	WaltitoServer2	default	1.0.0	fork	60186	26s	0	online	0%	97.2mb	walter	disabled
2	WaltitoServer3	default	1.0.0	fork	60204	28s	0	online	0%	94.9mb	walter	disabled
3	WaltitoServer4	default	1.0.0	fork	60224	12s	0	online	0%	96.0mb	walter	disabled
4	WaltitoServer5	default	1.0.0	fork	60249	0s	0	online	0%	2.6mb	walter	disabled

```
walter@MacBook-Pro-de-Walter src %
```