

COMANDOS

1. Ejecución del servidor (modos FORK y CLUSTER) con nodemon:

```
$ nodemon server.js -m FORK
[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 server.js -m FORK`
```

```
New version of nodemon available!
Current Version: 2.0.19
Latest Version: 2.0.20
```

```
Servidor http escuchando en el puerto 8080 en modo FORK Proceso: 12232
```

```
$ nodemon server.js -m 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 server.js -m CLUSTER`
Primary: 11352
Servidor http escuchando en el puerto 8080 en modo CLUSTER Proceso: 8984
Servidor http escuchando en el puerto 8080 en modo CLUSTER Proceso: 5628
```

2. Ejecución del servidor con Forever (permitiendo el modo escucha):

```
$ forever start server.js --watch -m FORK -p 8081
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: server.js
(node:3120) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
(node:3120) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
```

3. Listado de Procesos por Forever y por Sistema Operativo:

```
$ forever list
(node:11252) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
(node:11252) 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] Cr6k "C:\Program Files\nodejs\node.exe" D:\Bakup\BACKEND\desafio_clase30\server.js --watch -m FORK -p 8081 6352  10788  C:\Users\cruc
ecor\.forever\Cr6k.log 0:0:1:12.504999999999995
```

```
D:\Bakup\BACKEND\desafio_clase30>tasklist /fi "imagenname eq node.exe"
```

Nombre de imagen	PID	Nombre de sesión	Núm. de ses	Uso de memor
node.exe	9360	Console	1	21.612 KB
node.exe	6352	Console	1	31.344 KB
node.exe	10788	Console	1	31.496 KB

4. Ejecución del servidor utilizando PM2 en modos Fork y Cluster (permitiendo el modo escucha):

```
$ pm2 start server.js --name="pm2-fork" --watch
```

PROBLEMAS		SALIDA		CONSOLA DE DEPURACIÓN		TERMINAL						
id	name	namespace	version	mode	pid	uptime	U	status	cpu	mem	user	watching
0	pm2-fork	default	1.0.0	fork	10636	0s	0	online	38.9%	29.9mb	crucecor	enabled

```
$ pm2 start server.js --name="pm2-cluster" --watch -i max -- 8082
[PM2] Starting D:\Bakup\BACKEND\desafio_clase30\server.js in cluster_mode (0 instance)
[PM2] Done.
```

id	name	namespace	version	mode	pid	uptime	U	status	cpu	mem	user	watching
1	pm2-cluster	default	1.0.0	cluster	11992	1s	0	online	0%	28.6mb	crucecor	enabled
2	pm2-cluster	default	1.0.0	cluster	10708	1s	0	online	0%	28.0mb	crucecor	enabled
0	pm2-fork	default	1.0.0	fork	11952	2s	44	online	0%	37.2mb	crucecor	enabled

5. Listado de Procesos por PM2 y por Sistema Operativo:

```
$ pm2 list
```

id	name	namespace	version	mode	pid	uptime	U	status	cpu	mem	user	watching
1	pm2-cluster	default	1.0.0	cluster	11992	41s	0	online	0%	25.0mb	crucecor	enabled
2	pm2-cluster	default	1.0.0	cluster	10708	41s	0	online	0%	24.4mb	crucecor	enabled
0	pm2-fork	default	1.0.0	fork	11512	3s	56	online	0%	37.0mb	crucecor	enabled

```
D:\Bakup\BACKEND\desafio_clase30>tasklist /fi "imagenname eq node.exe"
```

Nombre de imagen	PID	Nombre de sesión	Núm. de ses	Uso de memor
node.exe	9360	Console	1	33.840 KB
node.exe	5932	Console	1	35.172 KB
node.exe	11992	Console	1	25.532 KB
node.exe	10708	Console	1	25.112 KB
node.exe	12472	Console	1	38.320 KB

6. Finalización de Procesos Fork y Cluster:

\$ pm2 stop pm2-fork

[PM2] Applying action stopProcessId on app [pm2-fork](ids: [0])

[PM2] [pm2-fork](0) ✓

id	name	namespace	version	mode	pid	uptime	↺	status	cpu	mem	user	watching
1	pm2-cluster	default	1.0.0	cluster	11992	13m	0	online	0%	25.1mb	crucecor	enabled
2	pm2-cluster	default	1.0.0	cluster	10708	13m	0	online	0%	24.7mb	crucecor	enabled
0	pm2-fork	default	1.0.0	fork	0	0	285	stopped	0%	0b	crucecor	disabled

\$ pm2 stop pm2-cluster

[PM2] Applying action stopProcessId on app [pm2-cluster](ids: [1, 2])

[PM2] [pm2-cluster](1) ✓

[PM2] [pm2-cluster](2) ✓

id	name	namespace	version	mode	pid	uptime	↺	status	cpu	mem	user	watching
1	pm2-cluster	default	1.0.0	cluster	0	0	0	stopped	0%	0b	crucecor	disabled
2	pm2-cluster	default	1.0.0	cluster	0	0	0	stopped	0%	0b	crucecor	disabled
0	pm2-fork	default	1.0.0	fork	0	0	285	stopped	0%	0b	crucecor	disabled