Node.js

Node.js

- Node JavaScript
- Node.js Chrome V8 JavaScript
- Node.js I/O
- Node.js npm
- Node.js Javascript

- node -v
- 0.x ES6
- 4.x ES6
- 5.x ES6 4.x
- 6.x 98% ES6
- 8.x ES6

- node -v

REPL( )

node REPL Javascript node RE

Node.js

REPL Javascript js html script js

Node.js

Node.js

1. (b.js)

```
//b.js
function FunA(){
    return 'Tom';
```

```
}
//    FunA
module.exports = FunA;
```

2. (a.js)

```
//a.js
var FunA = require('./b.js');//   b.js => FunA
var name = FunA();//    FunA name = 'Tom'
console.log(name); //
```

module.exports

module.exports Node.js

```
module.exports = FunA;
```

 require('./b.js') undefined module.exports

exports

exports module js module.exports exp

```
function FunA(){
    return 'Tom';
}

function FunB(){
    return 'Sam';
}

exports.FunA = FunA;
exports.FunB = FunB;
```

```
//FunA = exports,exports
var FunA = require('./b.js');
var name1 = FunA.FunA();//    FunA name = 'Tom'
var name2 = FunA.FunB();//    FunB name = 'Sam'
console.log(name1);
console.log(name2);
```

```
//FunA = exports,exports
var {FunA, FunB} = require('./b.js');
var name1 = FunA();//    FunA name = 'Tom'
var name2 = FunB();//    FunB name = 'Sam'
console.log(name1);
console.log(name2);
```

npm scripts

npm

npm package.json scripts package.json scripts packag

npm npm run

- npm run
- & npm run script1.js & npm run script2.js
- && npm run script1.js && npm run script2.js

- npm start npm run start
- npm stop npm run stop
- npm test npm run test
- npm restart npm run stop && npm run restart && npm run start

forever

forever

forever nodejs App forever forever node monitor r

forever

- forever npm install -g forever
- forever forever -h

forever

actions

```
- start:
- stop:
- stopall:    forever
- restart:
- restartall:    foever
- list:   forever
- config:
- set <key> <val>:
- clear <key>:
- logs:    forever
- logs <script|index>:
- columns add <col>:      forever list
- columns rm <col>:   forever list
- columns set<cols>:        forever list
- cleanlogs:     forever
```

forever

- forever start app.js
- forever stop app.js

options

```
- -m MAX:
- -l LOGFILE:     LOGFILE
- -o OUTFILE:        OUTFILE
- -e ERRFILE:        ERRFILE
- -p PATH:
```

```
- -c COMMAND:        node
- -a, —append:
- -f, —fifo:
- -n, —number:
- —pidFile: pid
- —sourceDir:
- —minUptime:   spinn   (ms)
- —spinSleepTime:   spin
- —colors:
- —plain: —no-colors
- -d, —debug: debug
- -v, —verbose:
- -s, —silent:
- -w, —watch:
- —watchDirectory:
- —watchIgnore:
- -h, —help:
```

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