

cluster

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- [cluster](#)

cluster □□□□□ Node.js □□□□□

cluster.isMaster □□□□□□□□□□

```
const cluster = require('cluster');
const isMaster = cluster.isMaster;
```

cluster.fork() □□□□□□□□

```
const cluster = require('cluster');
const { cpus } = require('os');
const numWorkers = cpus().length;
const isMaster = cluster.isMaster;

if (isMaster) {
  process.stdout.write('master process');
  const workers = [];
  for(let i = 0; i < numWorkers; i++) {
    workers.push(cluster.fork());
  }
} else {
  process.stdout.write('worker process');
}
```

□□□□□ CPU □□□□□□□ Worker □□□

□□□□□□□□□□□□□□□□ cluster.on() □□□□□□□□ online □□□
Worker □□□□□□□□ exit □□□ Worker □□□□□□□□

```
if (isMaster) {
  log(`Forking ${numWorkers} workers`);
  const workers = [];
```

```

for(let i = 0; i < numWorkers; i++) {
  workers.push(cluster.fork());
}

cluster.on('online', (worker) => log(`Worker ${worker.process.pid} is online`));
cluster.on('exit', (worker, exitCode) => {
  log(`Worker ${worker.process.id} exited with code ${exitCode}`);
  log(`Starting a new worker`);
  cluster.fork();
})
}

```

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Worker ■■■■■■■■■■

Worker ■■■

■■■■ Worker ■■■■■■■■■■

```

if (isMaster) {
  // ...
} else {
  // ■■■■■■
}

```



- [How to scale your Node.js server using clustering](#), Michele Riva

■■■ #2

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