



Node.js v0.6.18 Manual & Documentation

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os

#

Stability: 4 - API Frozen

Provides a few basic operating-system related utility functions.

Use `require('os')` to access this module.

os.hostname()

#

Returns the hostname of the operating system.

os.type()

#

Returns the operating system name.

os.platform()

#

Returns the operating system platform.

os.arch()

#

Returns the operating system CPU architecture.

os.release()

#

Returns the operating system release.

os.uptime()

#

Returns the system uptime in seconds.

os.loadavg()

#

Returns an array containing the 1, 5, and 15 minute load averages.

os.totalmem()

#

Returns the total amount of system memory in bytes.

os.freemem()

#

Returns the amount of free system memory in bytes.

os.cpus()

#

Returns an array of objects containing information about each CPU/core installed: model, speed (in MHz), and times (an object containing the number of CPU ticks spent in: user, nice, sys, idle, and irq).

Example inspection of os.cpus:

```
[ { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
  speed: 2926,
  times:
    { user: 252020,
      nice: 0,
      sys: 30340,
      idle: 1070356870,
      irq: 0 } },
  { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
    speed: 2926,
    times:
      { user: 306960,
        nice: 0,
        sys: 26980,
        idle: 1071569080,
        irq: 0 } },
    { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
      speed: 2926,
      times:
        { user: 248450,
          nice: 0,
          sys: 21750,
          idle: 1070919370,
          irq: 0 } },
      { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
        speed: 2926,
        times:
          { user: 256880,
            nice: 0,
            sys: 19430,
            idle: 1070905480,
            irq: 20 } },
        { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
          speed: 2926,
          times:
            { user: 511580,
              nice: 20,
              sys: 40900,
              idle: 1070842510,
              irq: 0 } },
          { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
            speed: 2926,
            times:
```

```

    { user: 291660,
      nice: 0,
      sys: 34360,
      idle: 1070888000,
      irq: 10 } },
  { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
    speed: 2926,
    times:
      { user: 308260,
        nice: 0,
        sys: 55410,
        idle: 1071129970,
        irq: 880 } },
  { model: 'Intel(R) Core(TM) i7 CPU           860  @ 2.80GHz',
    speed: 2926,
    times:
      { user: 266450,
        nice: 1480,
        sys: 34920,
        idle: 1072572010,
        irq: 30 } } ]

```

os.networkInterfaces()

#

Get a list of network interfaces:

```

{ lo0:
  [ { address: '::1', family: 'IPv6', internal: true },
    { address: 'fe80::1', family: 'IPv6', internal: true },
    { address: '127.0.0.1', family: 'IPv4', internal: true } ],
  en1:
  [ { address: 'fe80::cab:c8ff:feef:f996', family: 'IPv6',
      internal: false },
    { address: '10.0.1.123', family: 'IPv4', internal: false } ],
  vmnet1: [ { address: '10.99.99.254', family: 'IPv4', internal: false } ],
  vmnet8: [ { address: '10.88.88.1', family: 'IPv4', internal: false } ],
  ppp0: [ { address: '10.2.0.231', family: 'IPv4', internal: false } ] }

```



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