# fastfetch System info display

**START HERE**

**`fastfetch`**
Show system info

`fastfetch -l none`
Hide the logo

`fastfetch --gen-config`
Create config file

`fastfetch --list-modules`
All module names

`fastfetch -c <preset>`
Load a preset or file

`fastfetch -h <topic>`
Help for one option

`fastfetch -s <modules>`
Pick modules to show

`fastfetch --format json`
Machine-readable output

**Config** config.jsonc or -c → **selects** → **Modules** structure / -s → **formatted by** → **Format** {placeholders} → **drawn next to** → **Logo** -l, --logo-*

Where the output comes from

## CONCEPTS

Fastfetch prints a logo plus a list of modules (OS, Kernel, CPU, ...). Each module is one line made of a key and a formatted value.

Command-line options override the config file, so they are good for one-off tries before editing it.

The command module runs shell commands. Read configs from untrusted sources before using them.

## RUNNING

**`fastfetch`**
Run with the default config

`fastfetch -v`
Print the version

`fastfetch -h`
Show full help

`fastfetch -h <option>`
Help for one option or topic

`fastfetch -h format`
Explain the format syntax

`fastfetch -h <module>-format`
Placeholders of one module

`fastfetch -w <seconds>`
Refresh the output repeatedly

`fastfetch --show-errors`
Print why a module failed

`fastfetch --pipe false`
Keep colours when piped

*Useful when calling it from a shell startup file.*

## MODULES

`fastfetch -s <m1>:<m2>`
Show only these modules

*Names are separated by colons, e.g. -s os:kernel:memory.*

`fastfetch --list-modules`
List all modules

## MODULES (cont.)

`fastfetch --structure-disabled <m>`
Hide the given modules

`fastfetch --print-structure`
Print the default module order

`fastfetch --list-features`
List compiled-in features

### Common modules

| Module | Shows |
|---|---|
| `title` | user@host |
| `os` | Distro name |
| `kernel` | Kernel version |
| `uptime` | Time since boot |
| `packages` | Package counts |
| `shell` | Login shell |
| `cpu / gpu` | Processor / graphics |
| `memory / disk` | RAM / mounted disks |
| `localip` | Local addresses |
| `colors` | Colour palette row |

`fastfetch -s <m> --<m>-format '<fmt>'`
Override one module's format

*Placeholders use braces, e.g. --gpu-format '{name}'.*

## LOGO

`fastfetch -l <name>`
Use a built-in logo

`fastfetch -l none`
Disable the logo

`fastfetch -l <path>`
Logo from a text or image file

`fastfetch --list-logos`
List built-in logos

`fastfetch --logo-color-<1-9> <color>`
Recolour a logo placeholder

`fastfetch --logo-type <type>`
Set image protocol (sixel, kitty, ...)

`fastfetch --logo-padding <n>`
Space around the logo

`fastfetch --logo-width <n>`
Image width in cells

## LOGO (cont.)

`fastfetch --print-logos`
Print every built-in logo

## CONFIG

`fastfetch --gen-config`
Write ~/.config/fastfetch/config.jsonc

*Fastfetch never creates the file by itself; an existing file is not overwritten.*

`fastfetch -s <m1>:<m2> --gen-config`
Generate a config with those modules

`fastfetch -c <file>`
Load a config file

`fastfetch -c <preset>`
Load a bundled preset (e.g. all)

`fastfetch --list-presets`
List bundled presets

`fastfetch --list-config-paths`
Show where configs are searched

`fastfetch --list-data-paths`
Show data directories

`fastfetch -c none`
Ignore any config file

`fastfetch -c -`
Read the config from stdin

### Top-level config keys

| Key | Controls |
|---|---|
| `logo` | Source, type, size, colours |
| `display` | Separator, colours, units, bars |
| `general` | Threads, timeouts |
| `modules` | Ordered list of modules |

### Minimal config.jsonc

```
{
  "$schema": "https://github.com/fastfetch-cli/fastfetch/raw/dev/doc/json_schema.json",
  "logo": { "source": "auto" },
  "display": { "separator": " -> " },
  "modules": ["title", "os", "kernel", "memory"]
}
```

## CONFIG (cont.)

### A module as an object

```
{ "type": "memory", "key": "RAM", "format": "{used} / {total}" }
# key " " hides the key text
```

## OUTPUT

`fastfetch --format json`
Print results as JSON

`fastfetch -s <m> --format json`
JSON for chosen modules

`fastfetch --separator <str>`
Text between key and value

`fastfetch --color-keys <color>`
Colour of the keys

`fastfetch --color-title <color>`
Colour of the title line

`fastfetch --gpu-driver-specific`
Ask the driver for the GPU name

## RECIPES

### Compact summary

```
fastfetch -l none -s os:kernel:cpu:memory
```

### Fresh config from chosen modules

```
fastfetch -s os:kernel:memory --gen-config
$EDITOR ~/.config/fastfetch/config.jsonc
```

### Read one value in a script

```
fastfetch -s os --format json | jq -r '.[0].result.name'
```

### Show on every shell start

```
# ~/.bashrc
[ -t 1 ] && fastfetch
```