

Report macOS system hardware and software configuration

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system_profiler

Report system hardware and software configuration.

Syntax

Report of everything (full):

```
system_profiler
```

Report of everything with less detail:

```
system_profiler [-xml] [-detailLevel level]
```

Report for one (or several) Data Types:

```
system_profiler [-xml] dataType1 ... dataTypeN
```

List the Data Types:

```
system_profiler [-listDataTypes]
```

Print help:

```
system_profiler [-usage]
```

Key:

- | | |
|---------------------------|--|
| -xml | Generate a report in XML format. If the XML report is redirected to a file with a ".spx" suffix that file can be opened with System Profiler.app. |
| -listDataTypes | List the available datatypes.

SPHardwareDataType Hardware data, machine model, name serial number.
SPSoftwareDataType Software data, macOS versionNo.
SPPowerDataType Power and battery data, AC wattage, battery cycle count |
| -detailLevel <i>level</i> | The level of detail for the report:

mini report with no personal information
basic basic hardware and network information |

```
full          all available information
-usage        Print usage info and examples.
```

system_profiler is a replacement for /usr/sbin/AppleSystemProfiler.

Examples

Generate a text report with the standard detail level:

```
$ system_profiler
```

Generate a report of all [32 bit software](#) and save to a text file on the desktop:

```
$ system_profiler SPApplicationsDataType | grep -B 6 -A 2 "(Intel); No" > ~/Desktop/non64bit.txt
```

Generate a short report containing no personal information:

```
$ system_profiler -detailLevel mini
```

Show a list of the available data types:

```
$ system_profiler -listDataTypes
```

Generate a text report containing only software and network data:

```
$ system_profiler SPSoftwareDataType SPNetworkDataType
```

Create an XML file which can be opened by System Profiler.app:

```
$ system_profiler -xml > MyReport.spx
```

“Why a four-year-old child could understand this report...

Run out and find me a four-year-old child. I can't make head nor tail out of it” ~ Groucho Marx

Related macOS commands

Local man page: [system_profiler](#) - Command line help page on your local machine.

[serverinfo](#) - Server information.

[uname](#) - Print the Darwin OS Kernel version / release / machine name.

[sw_vers](#) - Print macOS Operating System version.

[who](#) - Print who is currently logged in.

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Source: https://ss64.com/osx/system_profiler.html