

# An introduction to filetype

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# File

“A computer file is a resource for storing information, which is available to a computer program and is usually based on some kind of durable storage.”

*[https://en.wikipedia.org/wiki/Computer\\_file](https://en.wikipedia.org/wiki/Computer_file)*

# File type / file format

“A file format is a standard way that information is encoded for storage in a computer file. “

*[https://en.wikipedia.org/wiki/File\\_format](https://en.wikipedia.org/wiki/File_format)*

# File type / file format

“It specifies how bits are used to encode information in a digital storage medium.”

*[https://en.wikipedia.org/wiki/File\\_format](https://en.wikipedia.org/wiki/File_format)*

# File System

## File types

Text - human readable

Binary - not easily read by humans

# Text file

Contains text only

# Text file

“..file that is structured as a sequence of lines of electronic text.”

*[https://en.wikipedia.org/wiki/Text\\_file](https://en.wikipedia.org/wiki/Text_file)*

# Text file

- ▶ .txt (text file)
- ▶ .html, .xml, .css
- ▶ .java, .c, .cpp, .C+, .php, .python .. (source code)
- ▶ .sh, .bat .. (script)
- ▶ .conf, .rc .. (resource/setting/configuration)
- ▶ ...



# Binary file

Does not only contains text

# Binary file

- ▶ .png, .jpg, .gif ... (image, photo)
- ▶ .ogg, .mp3, .flac ... (audio)
- ▶ .ogv, .avi, .mp4 ... (audio/video)
- ▶ elf, .exe, ... (program)
- ▶ ...