

The ls -l command output format, filesystem and SELinux security context

[illegible]

Filesystem	To list all filesystems used:		On 🐧: df -hT On 🍏: df -hY	In both cases, the -h option provides simpler, human readable, size values.	🐧 Some file systems used in Linux: <u>xfs</u> <u>tmpfs</u>, temporary file system <u>devtmpfs</u>, temp fs for dynamically created devices <u>Ext4</u>, a journaling file system <u>prl_fs</u> : Parallels Desktop VM file system <u>fuse.sshfs</u>	🍏 Some file systems on macOS: <u>apfs</u> <u>hfs+</u> <u>devs</u> <u>autofs</u> <u>nulls</u> <u>smbfs</u>
	On 🐧, to list block devices and their related file systems:		On 🐧: lsblk -f	This shows the block device tree and their file systems; their type, label, UUID and mount point.		
	On 🐧, to list the file system of a directory or file:		On 🐧: stat -f -c %T /path/to-dir/or-file			
Manipulating files extended attributes	The following commands allow listing, reading and writing the extended attributes of files and directories. - Extended attributes are name:value pairs. - The attribute name is a fully.qualified.name. Something like <code>security.selinux</code> or <code>system.posix_acl_access</code>.				<u><code>attr</code></u> <u><code>getfattr</code></u> <u><code>setfattr</code></u>	
HowTo See: <u>ls man pages</u>	List attribute of a directory DIR (not the files it holds)	• <code>ls -ld DIR</code>		List attributes of a directory (not its content)		
		• <code>ls -lda DIR</code>		List attributes of a hidden directory (not its content)		
		• <code>ls -ldaZ DIR</code>		List all attributes of a hidden directory (not its content)		