The Is -I command output format

Fields		rw-	r	r	@	Number of links or directories	jdoe	staff	5111	9 Jun 14:30	readme.rst.txt
	Device Type:	Owner	Group	Word	Optional Extra field		owne	ership	-1 		
Note: use the info 1s command to see more information related to your system. See Also: Is @ wikipedia with all the identified external links.	 Regular file. Block special file. Character special file. Chigh performance (contiguous data) file. Directory. Door (Solaris). (letter 1) Symbolic link. M Off-line (migrated) file (Cray DMF). n Network special file (HP-UX). p FIFO (named pipe). P Port (Solaris). s Socket. ? Some other file type. 	Permission read, vrite, other: S: ID a are I Stick bit, dele stick T: stick exec x:	If the set nd corresponds set. If the set is set but the cutable bit. If the reset is set is	tricted deletion flag or the other-executable et. The restricted another name of the tricted deletion flag or but the other- is not set. ecutable bit is set and ove apply.	 macOS only: a has extended attributes. dataless file or directory. Linux only: Flag that file has SELinux security context The SELinux context is shown with Is -Z option. 		User ownership: user that owns the file or directory		Size in bytes. With 1s -1h, size format is human readable with units: • k : kilo • M : mega • G : giga	Date of last modification. Date format might be affected by the LANG environment variable. On Linux, you can change the date format with the —time-style option. For example: ls -ltime-style="long-iso"	Name of the file.
Extra Notes:	POSIX File System Permissions	 s The s and S bits identify whether the set user ID or set group ID permissions are active. These are special permissions bits that allow a program, when run by any user, to be run with the effective UID of the owner (identified by the ownership fields). For example, if the user ownership is root and the s bit is set, another user will be able to run the program as if it was root. This permission is therefore a security risk and should be restricted to the programs that absolutely require this (as sudo does for example). 									
SELinux: With -Z option: References:	SELinux security context Shown with the -Z option between ownership & size for the Is -I output: in place of _ above. SELinux Notebook Table of Contents Red Hat SELinux SELinux @ Gentoo wiki SELinux @ ArchLinux wiki Rocky Linux 8 @ server-world Alma Linux 9 @ server-world	• ? SELinux • user (. • role (• type (.	contextsu)r)	The SELinux user The SELinux role. The SELinux type SELinux security A single security	ser:role:type:level synt identity. This can be as This can be associated of the file (the SELinux level field (or range). It if level that contains a se	ted SELinux security context. syntax with the following fields (as described in the SELinux RedHat web page: be associated to one or more roles that the SELinux user is allowed to use. iated to one or more types the SELinux user is allowed to access. inux object). It defines what access permissions the SELinux user has to that object. b). It is only present if the policy supports MCS or MLS. The entry can consist of: a sensitivity level and zero or more categories (e.g. s0, s1:c0, s7:c10.c15). by levels (a low and high) separated by a hyphen (e.g. s0 - s15:c0.c1023).					