The Is -I command output format

Fields	-	rw-	r	r	@	1	jdoe	staff	5111	9 Jun 14:30	readme.rst.txt	
	Device Type:	Owner	Group	Word	Optional Extra field		owne	ership	-1 			
Description	 Regular file. Block special file. C Character special file. C High performance	Discretionary Access Control (DAC) Permissions:				Number User ownership:	Group ownership	Size in bytes.	Date of last	Name of the file.		
Note: use the info 1s command to see more information related to your system. See Also: Is @ wikipedia with all the identified external links.		 Allow listing a set. write: Allow writ is controlled by Allow files in deleted if the other: s: If the set executable bit S: If the set corresponding t: If the resother-executal flag is another T: If the resother-executal x: Allows a Script files mu 	the directory attribute a directory to be cree 'x' attribute is also state.	rename or delete file te. ated, renamed, set. ID and corresponding ID is set but the set. sticky bit, and the ne restricted deletion sticky bit is set but the program and executed.	 macOS only: @ 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. 	directories	user that owns the file or directory		With 1s -1h, size format is human readable with units: • k : kilo • M : mega • G : giga	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 -1time-style="long-iso"		
Extra Notes:	POSIX File System Permissions	• s	3 m 1 m 2 m 2 m 3 m 1 m 2 m 3 m 1 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2									
SELinux: With -Z option:	SELinux security context • Shown with the -Z option between ownership & size for the Is -I output: in place of _ above. • SELinux Notebook (the authors) • Table of Contents • Red Hat SELinux • SELinux @ Gentoo wiki • SELinux @ Fedora wiki • SELinux @ ArchLinux wiki • Rocky Linux 8 @ server-world • Alma Linux 9 @ server-world	? is displayed when the file has no associated <u>SELinux security context</u> (see also <u>this</u> and <u>this</u>). Otherwise it shows:										
		SELinux security context: as string of user:role:type:level syntax with the following fields (as described in the SELinux RedHat web page):										
References: • SELinux intro @ Gentoo wiki • SELinux for mere mortals		• user (u) The <u>SELinux user</u> identity. This can be associated to one or more roles that the SELinux user is allowed to use.										
		• role (r) The <u>SELinux role</u> . This can be associated to one or more types the SELinux user is allowed to access.										
		• type (t) The <u>SELinux type</u> of the file (the <u>SELinux object</u>). It defines what access permissions the SELinux user has to that object.										
		level/range	level/range SELinux security level field (or range). It is only present if the policy supports MCS or MLS. The entry can consist of: • A single security level that contains a sensitivity level and zero or more categories (e.g. s0, s1:c0, s7:c10.c15). • A range that consists of two security levels (a low and high) separated by a hyphen (e.g. s0 - s15:c0.c1023).									