The Is -I command output format

Output format example	-rw-rr@ 1 jdoe s	staff _	<u>.</u> 511	1 9 Jun 14	:30	readme.r	st.txt						
Fields	-	rw- r r		@		1	jdoe	staff	5111	9 Jun 14:30	readme.rst.txt		
	Device Type:	Owner	Group	up Word		nal Extra field		ownership					
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. C Character special file. C High performance (contiguous data) file. d Directory. D Door (Solaris). I (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. 	Discretionary Access Control (DAC Permissions: • read, • write, • other: • s : If the set-user-ID or set-group ID and corresponding executable be are both set. • S : If the set-user-ID or set-group ID is set but the corresponding executable bit is not set. • t : If the restricted deletion flag of sticky bit, and the other-executable bit, are both set. The restricted deletion flag is another name of the sticky bit. • T : If the restricted deletion flag of sticky bit is set but the other-executable bit is not set. • x : If the executable bit is set and none of the above apply. • - : otherwise.			 macOS only: a has extended attributes. dataless file or directory. Linux only:		Number of links or directories	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											
SELinux:	SELinux security contextShown with the -Z option	• ?	• ? The ? is displayed when the file has no associated <u>SELinux security context</u> (see also <u>this</u>).										
With -Z option:	between ownership & size for the	SELinux	SELinux contexts follow the SELinux 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	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	• user (.	u)	The SELinux user	identit	y. This can be as	sociated to	one or more roles tha	at the SELinux user is	s allowed to use.			
		• role (role (r) The <u>SELinux role</u> . This can be associated to one or more types the SELinux user is allowed to access.										
		• type (.	• 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 (r	 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). 										

On SELinux: The -Z switch is available on several utilities to show or manage SELinux security contexts information. For example:

for files: Is -IZ for processes: ps axZ for users: id -Z

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