Rinstrum Linux Operating Commands

	The Lua Module (M4223) uses a Linux operating system. This quick start document lists some useful Linux commands that will assist programming and file management in this environment.

Basics

-?	*Cmd* -?	Useful to display built in usage information for a command
>	*cmd* > FILE	Redirect output from command to FILE
|	*cmd1* | *cmd2*	Pipe output from cmd1 to the input of cmd2

Files and directories

ls	ls	List files in a directory Directories will be shown in blue, files in white
	ls -al	List all attributes of the files in a directory
cd	cd /home	Change to home directory which is where user files are stored
	cd ..	Move up one directory
	cd /	Move to root directory. Note that '/' is used and not '\'
rm	rm FILE	Remove file(s) (delete them)
	rm –rf DIR	Remove directory including all of its contents CAUTION: there is no undo here so be carefule what you delete
mv	mv FILE DEST	Move a file to a new destination. If destination is in the same directory this command simply renames the file
cp	cp FILE DEST	Copy a file to a new destination
	cp –r DIR DEST	Copy entire contents of a directory to a new destination
chmod	chmod MODE FILE	Change file attributes (rwx). Note that a file must have execute (x) attributes to be run as a shell script
df	Df	View amount of disk space availalbe
vi	vi FILE	Edit FILE using vi editor

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Viewing

cat	cat FILE	Concatinate file(s) and print them to stdout
less	less FILE	View file one screen at a time
grep	grep PATTERN FILE	Search for patterns in file(s)
clear	clear	Clear terminal screen
echo	echo *text*	Send text to display

Lua

lua	lua *script.lua*	Run the lua interpretor to execute the application script.lua
	lua hello.lua | grep "000D"	Pipe the output from the hello.lua application into grep to search for the pattern 000D

Processes

ps	ps	View running processes to get process ID
kill	kill *ID*	Terminate program based on it's process ID
exit	*exit*	Log out of system
ifconfig	ifconfig	Display IP address configurations
passwd	passwd	Change account password

Rinstrum Documents - available from www.rinstrum.com or USB memory stick (A10030)

- Rinstrum Application Package and API Reference (L001-503)
- Rinstrum Environment Setup (L001-506)
- Rinstrum Lua Reference Manual (L001-600)
- Rinstrum Lua Quick Start M4223 (L001-601)
- Rinstrum Lua Commands (L001-603)

External References

- Online Linux tutorials http://www.linux.org/

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