DS-5 Debugger commands listed in groups

info os-modules info os-version

Type *help* followed by a command name for more information on a specific command.

connections that supports this feature.

supports this feature.

Displays a list of the Operating System (OS) modules for connections that supports this feature.

Displays the version of the Operating System (OS) for connections that

Type help followed by a command name for more information on a specific command.								
Breakpoints and watchpoints		Execution control		Memory				
break	Sets a software breakpoint.	start	Sets a temporary breakpoint and starts running the image until it hits	memory	Specifies the attributes and size for a memory region.			
hbreak	Sets a hardware breakpoint.		the breakpoint. When the debugger stops, the breakpoint is deleted.	memory auto	Resets the memory regions to the default target settings.			
tbreak	Sets a temporary software breakpoint that is deleted when it is hit.		By default, the breakpoint is set at the address of the global function	memory debug-cache	Controls the caching by the debugger for all memory regions.			
thbreak	Sets a temporary hardware breakpoint that is deleted when it is hit.	ant blanking our named	main().	enable memory	Enables one or more user-defined memory regions.			
awatch	Sets a read/write watchpoint for a global/static data symbol.	set blocking-run-control	Controls whether run control operations such as stepping and running are blocked until the target stops or released immediately.	disable memory	Disables one or more user-defined memory regions.			
rwatch	Sets a read watchpoint for a global/static data symbol.	show blocking-run-contro	Displays the current setting for blocking run control operations.	delete memory	Deletes one or more user-defined memory regions.			
watch	Sets a write watchpoint for a global/static data symbol.	set debug-from	Specifies the address of the temporary breakpoint for subsequent use	info memory	Displays the attributes for all memory regions.			
condition	Sets a break condition for a specific breakpoint or watchpoint.	oot dobdg ir oiii	by the start command.	memory flash	Defines a region of flash memory.			
ignore	Sets the ignore counter for a breakpoint or watchpoint condition.	show debug-from	Displays the current setting for the expression that is used by the start	memory set	Writes to memory.			
break-script	Assigns a script file to a specific breakpoint for execution when the		command to set a temporary breakpoint.	memory set_typed	Writes a list of values to memory.			
	breakpoint is triggered.	run	Starts running the target.	dump	Reads data from memory or an expression and writes to a file.			
break-stop-on-threads,	Applies an existing breakpoint to one or more threads or processors.	continue	Continues running the target.	append	Reads data from memory or an expression and appends to an existing			
break-stop-on-cores		advance	Sets a temporary breakpoint and continues running the image until	••	file.			
break-stop-on-vmid	Applies an existing hardware breakpoint to a virtual machine.		it hits the breakpoint. When the debugger stops, the breakpoint is deleted.	restore	Reads data from a file and writes it to memory.			
enable breakpoints	Enables one or more breakpoints or watchpoints by number.	finish	Continues running the device to the next instruction after the selected	X	Displays the content of memory at a specific address.			
disable breakpoints	Disables one or more breakpoints or watchpoints by number.	iiiisii	stack frame finishes.	disassemble	Displays disassembly for a specific section of memory.			
delete breakpoints	Deletes one or more breakpoints or watchpoints by number.	interrupt, stop	Interrupts the target and stops the current application if it is running.	set flash-buffer	Defines a memory region for use as a flash buffer.			
resolve	Resolves one or more breakpoints or watchpoints.	wait	Instructs the debugger to wait until either the application completes or	show flash-buffer	Displays the area of memory in use as a buffer for flash programming			
clear	Deletes a breakpoint at a specific location.		a breakpoint is hit.		operations.			
clearwatch	Deletes a watchpoint at a specific location.	reset	Performs a reset on the target.	Files				
info breakpoints, info	Displays information about the status of all breakpoints and	step	Source level stepping including stepping into all function calls where	· 	London an investor to the townst and accorde the enterminated discount			
watchpoints	watchpoints.		there is debug information.	load	Loads an image on to the target and records the entry point address for future use by the run and start commands.			
set breakpoint	Controls the automatic behavior of breakpoints and watchpoints.	stepi	Instruction level stepping including stepping into all function calls.	loadfile	Loads debug information into the debugger, an image on to the target			
silence unsilence	Disables the printing of stop messages for a specific breakpoint. Enables the printing of stop messages for a specific breakpoint.	steps	Source level stepping through statements including stepping into all function calls where there is debug information.	iodanic	and records the entry point address for future use by the run and start commands.			
On another Contam (OC)		next	Source level stepping over all function calls.	file, symbol-file	Loads debug information from an image into the debugger.			
Operating System (•	nexti	Instruction level stepping over all function calls.	reload-symbol-file	Reloads debug information from an already loaded image into the			
sharedlibrary	Loads shared library symbols.	nexts	Source level stepping through statements but stepping over all function	1	debugger using the same settings as the original load operation.			
nosharedlibrary	Discards all loaded shared library symbols except for the symbols that are loaded explicitly using the sharedlibrary command.		calls.	add-symbol-file	Loads additional debug information into the debugger.			
info sharedlibrary	Displays the names of the loaded shared libraries.	thread, core	Displays information about the current thread or processor.	discard-symbol-file	Discards debug information relating to a specific file.			
set os	Controls the OS settings in the debugger.	thread apply, core apply	Temporarily switches control to a thread or processor to execute a DS-5 Debugger command and then switches back to the original state.	dump	Reads data from memory or an expression and writes to a file.			
show os	Displays the current OS settings in the debugger.	set step-mode	Specifies whether to step into or step over a function with no debug	append	Reads data from memory or an expression and appends to an existing			
set sysroot, set solib-	Specifies the system root for prefixing shared library paths.	set step-mode	information.		file.			
absolute-prefix	opecines the system root for prenxing shared library paths.	show step-mode	Displays the current step setting for functions without debug	restore	Reads data from a file and writes it to memory.			
	- Displays the system root directory in use by the debugger when	•	information.	info files, info target	Displays information about the loaded image and symbols.			
absolute-prefix	searching for shared library symbols.	handle	Controls the handler settings for one or more signals or exceptions.	info sources	Displays the names of the source files.			
set auto-solib-add	Controls the automatic loading of shared library symbols.	info signals, info handle	Displays information about the handling of signals.	cd	Sets the working directory.			
show auto-solib-add	Displays the current automatic setting for use when loading shared	0-11-41-		pwd	Displays the working directory.			
	library symbols.	Call stack		directory	Defines additional directories to search for source files.			
set solib-search-path	Specifies additional directories to search for shared library symbols.	up	Controls and displays the current position in the call stack.	show directories	Displays the list of directories to search for source files.			
show solib-search-path	Displays the current search paths in use by the debugger when	up-silently	Controls the current position in the call stack.	set substitute-path	Modifies the search paths used when displaying source code.			
ant atom on polite avents	searching for shared libraries. Specifies whether the debugger stops execution when it is notified of	down	Controls and displays the current position in the call stack.	show substitute-path	Displays the current search path substitution rules in use by the			
•	an event by the dynamic linker.	down-silently frame	Controls the current position in the call stack. Displays stack frame information at the selected position.	Danistana	debugger when searching for source files.			
show stop-on-solib-events	s Displays the current debugger setting that controls whether execution stops when shared library events occur.	select-frame	Controls the current position in the call stack.	Registers info registers	Displays the name and content of registers for the current stack frame.			
thread, core	Sets the current thread and displays thread state and stack frame.	info frame	Displays stack frame information at the selected position.	info all-registers	Displays the name and content of grouped registers for the current			
thread apply, core apply	Temporarily switches control to a thread or processor to execute a DS-5 Debugger command and then switches back to the original state.	info stack, backtrace, where	Displays information about the call stack.	-	stack frame.			
info threads	Displays a list of threads showing ID, current state and related stack frame information.	set backtrace show backtrace	Controls the default behavior when using the info stack command. Displays current behavior settings for use with the info stack command	l.				
info processes	Displays a list of processes showing ID, current state and related stack frame information.							
info os-log	Displays the contents of the Operating System (OS) log buffer for							

Data		Set commands		Display	
list	Displays lines of source code.	set	set is an alias for set variable.	echo	Displays only textual strings.
set listsize		set arm	Controls the behavior of the debugger when selecting the instruction set for disassembly and setting breakpoints.	output	Displays only the output of an expression.
show listsize	• •	set auto-solib-add	Controls the automatic loading of shared library symbols.	print, inspect	Displays the output of an expression and records the result in a debugger variable.
set variable	Specifies an expression and assigns the result to a variable.	set backtrace	Controls the default behavior when using the info stack command.	set print	Controls the current debugger print settings.
whatis	Displays the data type of an expression.	set breakpoint	Controls the automatic behavior of breakpoints and watchpoints.	show print	Displays the current debugger print settings.
x		set blocking-run-control	Controls whether run control operations such as stepping and running		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
disassemble	Displays disassembly for a specific section of memory.	•	are blocked until the target stops or released immediately.	<u>Scripts</u>	
info address	Displays the location of a symbol.	set debug-from	Specifies the address of the temporary breakpoint for subsequent use	if	Enables you to write scripts that conditionally execute debugger
info symbol	Displays the symbol name at a specific address.		by the start command.		commands.
info locals	Displays all local variables.	set endian	Specifies the byte order for use by the debugger.	while	Enables you to write looping scripts that conditionally execute debugger commands.
info functions	Displays the name and data types for all functions.	set escapes-in-filenames	Controls the use of special characters in paths.	end	Enables you to terminate conditional scripts.
info variables	Displays the name and data types of global and static variables.	set flash-buffer	Defines a memory region for use as a flash buffer.	source	Loads and runs a script file containing debugger commands to control
info classes	Displays C++ class names.	set listsize	Modifies the default number of source lines that the list command displays.	Source	and debug your target.
info members	Displays the name and data types for all class member variables that	set os	Controls the Operating System (OS) settings in the debugger.		_
	are accessible in the function corresponding to the selected stack frame.	set print	Controls the current debugger print settings.	Supporting commands	
	name.	set semihosting	Controls the semihosting operations in the debugger.	define	Enables you to derive new user-defined commands from existing
Information		set solib-search-path	Specifies additional directories to search for shared library symbols.	t - t-	commands.
info address	Displays the location of a symbol.	set step-mode	Specifies whether to step into or step over a function with no debug	help	Displays help information for a specific command or a group of commands listed according to specific debugging tasks.
info all-registers	Displays the name and content of all registers.		information.	pause	Pauses the execution of a script for a specified period of time.
info breakpoints, info	Displays information about the status of all breakpoints and	set stop-on-solib-events	Specifies whether the debugger stops execution when it is notified of	shell	Runs a shell command within the current debug session.
watchpoints	watchpoints.		an event by the dynamic linker.	quit, exit	Quits the debugger session.
info capabilities	Displays a list of capabilities for the target device that is currently	set substitute-path	Modifies the search paths used when displaying source code.	show version	Displays the current version number of the debugger.
	connected to the debugger.	set sysroot, set solib- absolute-prefix	Specifies the system root for prefixing shared library paths.	show architecture	Displays the architecture of the current target.
info classes	Displays C++ class names.	set variable	Specifies an expression and assigns the result to a variable.	set arm	Controls the behavior of the debugger when selecting the instruction
info cores	Displays information about the running processors.	set wildcard-style	Specifies the wildcard style to use for pattern matching in strings.		set for disassembly and setting breakpoints.
info files, info target info frame	Displays information about the loaded image and symbols. Displays stack frame information at the selected position.		opeoined the wildedra style to use for pattern matering in stillings.	show arm	Displays the current instruction set settings in use by the debugger for disassembly and setting breakpoints.
info functions	Displays the name and data types for all functions.	Show commands		Info lant auto	, , ,
info inst-sets	Displays the available instruction sets.	show	Displays the current debugger settings.	info inst-sets	Displays the available instruction sets. Specifies the byte order for use by the debugger.
info locals	Displays all local variables for the current stack frame.	show architecture	Displays the current target architecture.	set endian	, , ,
info members	Displays the name and data types for class member variables.	show arm	Displays the current instruction set settings in use by the debugger for	show endian info capabilities	Displays the current byte order setting in use by the debugger. Displays a list of capabilities for the target device that is currently
info memory	Displays the attributes for all memory regions		disassembly and setting breakpoints.	ino capabilities	connected to the debugger.
info os-log	Displays the contents of the Operating System (OS) log buffer for	show auto-solib-add	Displays the current automatic setting for use when loading shared library symbols.	set semihosting	Controls the semihosting options in the debugger.
_	connections that support this feature.	show backtrace	Displays the current behavior settings for use with the info stack	show semihosting	Displays the current semihosting settings.
info os-modules	Displays a list of loadable kernel modules for connections that support this feature.	ahaw blaskina wu asutus	command.	stdin	Specifies semihosting input requested by application code. For use only in a command-line console with interactive mode.
info os-version	Displays the version of the Operating System (OS) for connections that	snow blocking-run-contro	Displays the current setting for blocking run control operations.	unset	Modifies the current debugger settings.
	support this feature.	show debug-from	Displays the current breakpoint and watchpoint behavior settings. Displays the current setting for the address of the temporary breakpoin		mouniou no carron accaggor comingo.
info processes	Displays information about the user space processes.	Show debug-hom	used by the start command.	Flash commands	
info registers	Displays the name and content of all application level registers.	show directories	Displays the list of search directories.	flash list	Displays all the registered flash algorithms.
info semihosting	Displays semihosting information for the server, client, or all.	show endian	Displays the current byte order setting.	flash register	Registers flash algorithms from a directory.
info sharedlibrary		show escapes-in-	Displays the current setting for controlling the use of special characters	flash unregister	Unregisters a flash algorithm.
info signals, info handle		filenames	in paths.	memory flash	Defines a region of flash memory.
info sources	Displays the names of the source files.	show flash-buffer	Displays the area of memory in use as a buffer for flash programming	set flash-buffer	Defines a memory region for use as a flash buffer.
info stack, backtrace, where	Displays information about the call stack.	ale and the factors	operations.	show flash-buffer	Displays the area of memory in use as a buffer for flash programming
info symbol	Displays the symbol name at a specific address.	show listsize	Displays the listing size for the list command.		operations.
info threads	Displays information about the available threads.	show os	Displays the current Operating System (OS) settings in the debugger.		
info variables	Displays the name and data types for all global and static variables.	show print show semihosting	Displays the current debugger print settings.		
ino variables	Displays the flame and data types for all global and static variables.	show sellib-search-path	Displays the current setting for semihosting operations. Displays the current search path for shared libraries.		
Log commands		show step-mode	Displays the current step setting for functions without debug		
log config	Specifies the type of logging configuration to output runtime messages from the debugger.		information.		
log file	Specifies an output file to receive runtime messages from the	•	s Displays the current debugger setting that controls whether execution stops when shared library events occur.		
	debugger.	show substitute-path	Displays all the substitution rules.		
		show sysroot, show solib absolute-prefix	- Displays the system root prefix for shared library paths.		
		chow version	Displays the current version number of the debugger		

Displays the current version number of the debugger.

Displays the current wildcard style in use for pattern matching.

show version

show wildcard-style