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08:03:14

(trngps)(mikey:throg Job: dsh.procedures Date: Wed Feb 17 08:03:13 1993)

psfilter.in.18111

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The following are some examples of dsh test methods. This is not intended to cover all situations but should provide enough to cover most. All entries after the xxx> prompts are entered by you.

1. An example of running cu4000.

spu> cu4000

+++>
<Thu Mar 26 12:41:45 1992> cu4000:.././cti.c:242
Test Start (DiagER299): Test Startup Event

test name: cu4000
cwd: /users/diaguser
cmdline: cu4000

STARTUP> sub_all (This will ensure that all subtests are run)
subtest class description timeout dep
100 1 Communication Register Parity Error Generation. 45
105 2 Communication Register Lock Bit Test. 1000
110 2 Communication Register Pattern Test. 1000
115 2 CU Control Space Test. 45
120 3 Communication Register Functionality Test. 300
200 3 CU ASAP Logic Testing. 45
210 3 CU RDCMR/WRCMR Testing. 45
220 3 CU TOC and ITC Functionality Testing. 45
230 3 CU Deadlock and Firmware Traps Testing. 45
300 3 CU Interrupt Test. 120

STARTUP> run (Starts the test)***
info: "cu4000 subtest 100 running"

+++>
<Thu Mar 26 12:42:25 1992> cu4000:../ncu4000.c:137
SW Info (DiagIN230): Test complete

Test: cu4000 R1.0 Subtest: 100 R1.0 Class: 1
Purpose: Communication Register Parity Error Generation.

***** SUBTEST SUCCESSFULLY COMPLETED *****

info: "cu4000 subtest 105 running"
***** Now testing lock bit 0000 *****
***** Now testing lock bit 0100 *****
***** Now testing lock bit 0200 *****
***** Now testing lock bit 0300 *****
***** Now testing lock bit 0400 *****

^CPRE-CLEANUP> exit (At this point I stopped the test with
a ^C then did an exit)

+++>
<Thu Mar 26 12:44:05 1992> cu4000:.././CTIsequencer.c:469
Test End (DiagER316): CTI Test Summary

test name: cu4000
runtime: 1:26.246
subtests started: 2
subtests passed: 1
subtests failed: 0

+++>
<Thu Mar 26 12:44:05 1992> cu4000:.././CTIutil.c:229
Test End (DiagER300): Test Termination Event

test name: cu4000
status: PASSED

2. An example of running selected subtests of mem4000.

spu> mem4000

+++>
<Thu Mar 26 12:50:19 1992> mem4000:.././cti.c:242
Test Start (DiagER299): Test Startup Event

test name: mem4000
cwd: /users/diaguser
cmdline: mem4000

ERROR "CPU 0 is not available for testing"
ERROR "CPU 1 is not available for testing"
ERROR "CPU 2 is not available for testing"
ERROR "CPU 3 is not available for testing"
ERROR "CPU 4 is not available for testing"
ERROR "CPU 5 is not available for testing"
ERROR "MB 0 is not available for testing"
ERROR "MB 1 is not available for testing"
ERROR "MB 2 is not available for testing"
ERROR "MB 3 is not available for testing"
ERROR "MB 4 is not available for testing"
ERROR "MB 5 is not available for testing"
STARTUP> sequence 380-400 (Determines which subtests)*****
STARTUP> run

info: "mem4000 subtest 380 running"

+++>
<Thu Mar 26 12:52:30 1992> mem4000:../error_log.c:266
SW Info (DiagIN230): Test complete

Test: mem4000 R1.0 Subtest: 380 R1.0 Class: 4
Purpose: Memory testing via Memory Test Logic: address pattern.

***** SUBTEST SUCCESSFULLY COMPLETED *****

info: "mem4000 subtest 385 running"
Testing with pattern = 00000000 00000000, op = HOLD
Testing with pattern = ffffffff ffffffff, op = HOLD
Testing with pattern = a5a5a5a5 a5a5a5a5, op = HOLD
Testing with pattern = 5a5a5a5a 5a5a5a5a, op = HOLD
Testing with pattern = 69696969 69696969, op = HOLD
Testing with pattern = 96969696 96969696, op = HOLD
Testing with pattern = c3c3c3c3 c3c3c3c3, op = HOLD
Testing with pattern = 3c3c3c3c 3c3c3c3c, op = HOLD
Testing with pattern = 00000001 00000001, op = LEFT SHIFT
Testing with pattern = ffffffff ffffffff, op = LEFT SHIFT
Testing with pattern = 11111111 11111111, op = LEFT SHIFT
Testing with pattern = eeeeeeee eeeeeeee, op = LEFT SHIFT
Testing with pattern = ffffffff ffffffff, op = COMPLEMENT
Testing with pattern = a5a5a5a5 a5a5a5a5, op = COMPLEMENT
Testing with pattern = c3c3c3c3 c3c3c3c3, op = COMPLEMENT
Testing with pattern = 96969696 96969696, op = COMPLEMENT
Testing with pattern = 0fffffff 0fffffff, op = HOLD

+++>
<Thu Mar 26 12:54:13 1992> mem4000:../error_log.c:266
SW Info (DiagIN230): Test complete

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Test: mem4000 R1.0 Subtest: 385 R1.0 Class: 4
Purpose: Memory testing via Memory Test Logic: various patterns.

***** SUBTEST SUCCESSFULLY COMPLETED *****

info: "mem4000 subtest 400 running"
Testing with pattern = 00000000 ffffffff
Testing with pattern = ffffffff 00000000
Testing with pattern = 55555555 00000028
Testing with pattern = 0bbbbbbb cccccccc
Testing with pattern = 33333333 0f0f0f0f
^CPRE-CLEANUP> exit

+++>
<Thu Mar 26 12:56:01 1992> mem4000:.././CTIsequencer.c:469
Test End (DiagER316): CTI Test Summary

test name: mem4000
runtime: 3:22.238
subtests started: 3
subtests passed: 2
subtests failed: 0

+++>
<Thu Mar 26 12:56:02 1992> mem4000:.././CTIutil.c:229
Test End (DiagER300): Test Termination Event

test name: mem4000
status: PASSED

spu>

3. An example of spu4000, st_810 only.
spu> spu4000

+++>
<Thu Mar 26 12:35:48 1992> spu4000:.././cti.c:242
Test Start (DiagER299): Test Startup Event

test name: spu4000
cwd: /users/diaguser
cmdline: spu4000
STARTUP> com (Displays available commands)*****
- - "!" "passes a quoted string to the shell"
- - "abort" "aborts a subtest if in "interrupt" or "run" state,
otherwise aborts the test altogether"
- - "base" "sets the default output radix - 2, 8, 10, or 16"
- - "changed" "[filename] print the changed parameters and their values in
order changed"
- - "class" "[class]
omit class to see all classes
supply class to see info on that class and all of its subtests"
- - "com" "[name] show the help string for a command or parameter"
- - "cont" "runs the subtest sequencer"
- - "dep" "[first-last] show the subtests, omit the range for all"
- - "exit" "cleanup, then exit"
- - "get_par" "read in a set of parameters from the supplied filename"
- - "globals" "show parameters that have the CTI_GLOBALS flag set"
- - "help" "tells how to find information"
- - "log_file" "specifies a file for message logging"
- - "map" "map the specified window to the ctix display"

- - "par" "[par_name] show the parameters and their values"
- - "quit" "cleanup, then exit"
- - "rerun" "runs the sequencer starting with previous subtest"
- - "reset" "resets the CTI, sequencer, counters, & status "
- - "run" "specify a subtest sequence and restart sequencer"
- - "save" "[filename] save changed parameter values to the file."
- - "save_all" "[filename] save all parameter values to the file."
- - "skip" "skip n subtests in the sequence"
- - "status" "request a status update"
- - "sub" "[first-last] show the subtests in the run list, omit the range for all
"
- - "sub_all" "[first-last] show the known subtests, omit the range for all"
- - "summary" "write parameters that have the CTI_SUMMARY flag set."
- - "test_par" "show parameters that are specific to the test"
- - "update_selects" "Select each installed board"
STARTUP> sequence 810 (To startup on st_810)*****
STARTUP> update_selects (Ensures all installed boards are tested)*****
STARTUP> run
info: "spu4000 subtest 810 running"
Running Scalar Processor 6 to Crossbar Connectivity Test.
Running Scalar Processor 7 to Crossbar Connectivity Test.
Running Crossbar to Scalar Processor 6 Connectivity Test.
Running Crossbar to Scalar Processor 7 Connectivity Test.
Running Scalar/Vector Processor 6 Connectivity Test.
Running Scalar/Vector Processor 7 Connectivity Test.
Running Vector/Scalar Processor 6 Connectivity Test.
Running Vector/Scalar Processor 7 Connectivity Test.
Running Memory Board 6 to Crossbar Connectivity Test.
Running Memory Board 7 to Crossbar Connectivity Test.
Running Crossbar to Memory Board 6 Connectivity Test.
Running Crossbar to Memory Board 7 Connectivity Test.
Running Interface Adpater 8 to Crossbar Connectivity Test.
Running Crossbar to Interface Adapter 8 Connectivity Test.
Running NCU to Crossbar Connectivity Test.
Running Crossbar to NCU Connectivity Test.

+++>
<Thu Mar 26 12:39:14 1992> spu4000:.././CTIsequencer.c:469
Test End (DiagER316): CTI Test Summary

test name: spu4000
runtime: 1:19.035
subtests started: 1
subtests passed: 1
subtests failed: 0

COMPLETE> exit

+++>
<Thu Mar 26 12:40:30 1992> spu4000:.././CTIutil.c:229
Test End (DiagER300): Test Termination Event

test name: spu4000
status: PASSED

spu> spu4000

+++>
<Thu Mar 26 12:40:48 1992> spu4000:.././cti.c:242
Test Start (DiagER299): Test Startup Event

test name: spu4000

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cwd: /users/diaguser
cmdline: spu4000

ddb - diagnostyka zdelus

moreny JS rozpoznał gdy Convex OS not running ↓

Spu> ddb ok

- \$test CPU4332 φ ← rozpoznał więcej φ
- \$status pokazie ze rozpoznał (dziela) tylko CPU
- \$park 1 wybranie (parked) allowite CPU i gdy np. chcemy tylko z calej moreny testowac CPU φ
- \$status
- \$chain = endpoint: r
- \$r
- \$q - wyjście

Spu> Spu 4000 ok

STARTUP > com - list commands

> status

> update_selects

> sub_all

> sequence

> Sp_selected φ - wybranie tylko CPU φ Sp φ

> par - parameters