```
board test
date & test version:
date [<date>]
test version [v0.1.0]
system:
core
              [<core>]
cpu
              [<cpu>]
#n cpus [<#count>]
#n cpus
frequency [<cpu_freq>]
hoard [<board>]
versions:
      [<#linux>+<#patch_id>]
[<#rtai>+<#patch_id>]
[<#gcc>]
linux
rtai
qcc
toolchain [<toolchain>]
patch, configure, compile
_____
linux:
1 linux patch [PASSED/FAILED]
1.1 successful hunks [<#count>]
1.2 failed hunks [<#count>]
1.3 configure
                                [PASSED/BLOCKED/FAILED]
1.4 compile
                                [PASSED/BLOCKED/FAILED]
rtai:
2 rtai patch
                               [INTEGRATED/PASSED/FAILED]
2 rtai patch [INTEGRATE]
2.1 successful hunks [<#count>]
2.2 failed hunks [<#count>]
2.3 configure
                               [PASSED/BLOCKED/FAILED]
2.4 compile
                               [PASSED/BLOCKED/FAILED]
basic tests
loading/unloading kernel modules:
(modules: rtai_hal.ko sched|lxrt msg sem mbx fifos shm)
3.1 kernel modules
3.1.1 load/unload (sched) [PASSED/FAILED]
3.1.2 load/unload (sched) [PASSED/BLOCKED/FAILED]
3.1.3 load/unload (lxrt) [PASSED/BLOCKED/FAILED]
3.1.4 load/unload (lxrt) [PASSED/BLOCKED/FAILED]
latency test:
(rtai_sched.ko, period: 1ms, sysload: dd /dev/urandom /dev/null)
3.2 latency: idle system
3.2.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.2.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.2.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.2.4 userspace, periodic [PASSED/BLOCKED/FAILED]
3.3 latency: system under load
3.3.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.3.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.3.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.3.4 userspace, periodic [PASSED/BLOCKED/FAILED]
preempt test:
(rtai_sched.ko, sysload: dd /dev/urandom /dev/null)
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3.4 preempt: idle system

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3.4.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.4.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.4.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.4.4 userspace, periodic [PASSED/BLOCKED/FAILED]
3.5 preempt: system under load
3.5.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.5.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.5.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.5.4 userspace, periodic [PASSED/BLOCKED/FAILED]
switch test:
(rtai_sched.ko, sysload: dd /dev/urandom /dev/null)
3.6 switch: idle system
3.6.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.6.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.6.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.6.4 userspace, periodic [PASSED/BLOCKED/FAILED]
3.6 switch: system under load
3.7.1 kernelspace, oneshot [PASSED/BLOCKED/FAILED]
3.7.2 kernelspace, periodic [PASSED/BLOCKED/FAILED]
3.7.3 userspace, oneshot [PASSED/BLOCKED/FAILED]
3.7.4 userspace, periodic [PASSED/BLOCKED/FAILED]
latency test, 12h (user/oneshot/load):
3.8 latency: 12h [PASSED/BLOCKED/FAILED]
performance
3.2/3.3 latency test [min__][avg__][max__]
_____
idle kernelspace oneshot [____][___][___]/[BLOCKED/FAILED]
idle kernelspace periodic [____][___][___]/[BLOCKED/FAILED]
idle userspace oneshot [____][___][BLOCKED/FAILED]
idle userspace periodic [___][__][BLOCKED/FAILED]
load kernelspace oneshot [___][__][BLOCKED/FAILED]
load kernelspace periodic [____][___][___]/[BLOCKED/FAILED]
load userspace oneshot [____][___]/[BLOCKED/FAILED]
load userspace periodic [____][___]/[BLOCKED/FAILED]
3.4/3.5 preempt test [min__][avg__][max__][j-fast][j-slow]
idle kernelspace oneshot [____][___][___][___][___]/[BLOCKED/FAILED]
idle kernelspace oneshot [ ][ ][ ][ ][ ][ BLOCKED/FAILED]
idle userspace oneshot [ ][ ][ ][ ][ ][ ][ BLOCKED/FAILED]
idle userspace periodic [ ][ ][ ][ ][ ][ ][ BLOCKED/FAILED]
idle userspace oneshot [ ][ ][ ][ ][ ][ ][ BLOCKED/FAILED]
load kernelspace oneshot [ ][ ][ ][ ][ ][ ][ BLOCKED/FAILED]
load userspace oneshot [ ][ ][ ][ ][ ][ BLOCKED/FAILED]
load userspace periodic [ ][ ][ ][ ][ ][ BLOCKED/FAILED]
                         [susp/res][sem:sig/wait][rpc:rcv-ret]
3.6 switch test
_____
idle kernelspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]
idle kernelspace periodic [ ][ ][ ]/[BLOCKED/FAILED]
idle userspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]
idle userspace periodic [ ][ ][ ]/[BLOCKED/FAILED]
load kernelspace oneshot [ ][ ][ ]/[BLOCKED/FAILED]
load kernelspace periodic [ ][ ][ ]/[BLOCKED/FAILED]
load userspace oneshot [____][___][BLOCKED/FAILED]
load userspace periodic [____][___][BLOCKED/FAILED]
3.8 latency test, 12h [min___][avg___][max___]
_____
load userspace oneshot [____][___][___]/[BLOCKED/FAILED]
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