

board test

date & test version:
date [<date>]
test version [<version>]

system:
core [<core>]
cpu [<cpu>]
#n cpus [<#count>]
frequency [<cpu_freq>]
board [<board>]

versions:
linux [<#linux>+<#patch_id>]
rtai [<#rtai>+<#patch_id>]
gcc [gcc]
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]
2.1 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:
3.1 kernel modules
3.1.1 load [PASSED/FAILED]
3.1.2 unload [PASSED/BLOCKED/FAILED]
3.1.3 load (2nd) [PASSED/BLOCKED/FAILED]
3.1.4 unload (2nd) [PASSED/BLOCKED/FAILED]

latency test:
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:
3.4 preempt: idle system
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:

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 [idle]/[load]

kernelspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
kernelspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]

3.4/3.5 preempt test [idle]/[load]

kernelspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
kernelspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]

3.6/3.7 switch test [idle]/[load]

kernelspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
kernelspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, oneshot	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
userspace, periodic	[____]/[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]

3.8 latency test, 12h

userspace, oneshot	[____]	[<#count/mid/worst-case>/BLOCKED/FAILED]
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notes
