

board test  
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date & test version:  
date [03.05.2016]  
test version [v1.0.0]

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  
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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  
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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

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3.2/3.3 latency test [idle]/[load]

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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]

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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]

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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

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

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