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board test
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date & test version:
date        [03.05.2016]
test version [v0.1.0]


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]
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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]
-------------------------------------------
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]


notes
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