Certification Test Results, rhcert 4.4 R20170206 2017-05-02 17:32:45

arch: x86_64
model: Positivo Master D810
make: Positivo
vendor: Positivo Informatica SA

Certification for:
pns_version_id: 22
cert_nid: 2997681
cert_type: system
product_certification: Red Hat Enterprise Linux 7
bug_id: 1440913
product_certification_id: 3
version: 7
minor_version: 7.0
certification_id: 33869
vendor_product_id: 6315
vendor:
Red Hat Enterprise Linux 7.0 localhost.localdomain 192.168.0.102
vendor:
make: Positivo
0.0

test: cpuscaling

non-interactive certification

run 1: 2017-05-02 17:32:47

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User Space, package 0:

Note: The userspace governor is not supported
Using powersave min/max policies to get min and max performance workloads

On Min/Max Power Save Governor Test:
------------------------------------------------
Setting governor to powersave
Setting cpu: 0
Error setting new values. Common errors:
- Do you have proper administration rights? (super-user?)
- Is the governor you requested available and modprobed?
- Trying to set an invalid policy?
- Trying to set a specific frequency, but userspace governor is not available,
   for example because of hardware which cannot be set to a specific frequency
   or because the userspace governor isn't loaded?
Error: can't set the governor:
"cpupower -c all frequency-set --governor powersave --min 800000000 --max 3400000" returned 234
Changing cpu frequency from 3911 to 800000 MHz
Setting cpu: 0
Error setting new values. Common errors:
- Do you have proper administration rights? (super-user?)
- Is the governor you requested available and modprobed?
- Trying to set an invalid policy?
- Trying to set a specific frequency, but userspace governor is not available,
   for example because of hardware which cannot be set to a specific frequency
   or because the userspace governor isn't loaded?
Error: can't set the governor:
"cpupower -c all frequency-set --governor powersave --min 800000000 --max 800000000" returned 237
Warning: Could not verify that cpu frequency is set to the minimum value of 800000000 KHz
Running CPU load test - for all cpus in the package
Running load test for package 0
starting process for cpu 0
using work process: ./aperf  0
starting process for cpu 1
using work process: ./aperf  1
starting process for cpu 2
using work process: ./aperf  2
starting process for cpu 3
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using work process: ./aperf  3
starting process for cpu 4
using work process: ./aperf  4
starting process for cpu 5
using work process: ./aperf  5
starting process for cpu 6
using work process: ./aperf  6
starting process for cpu 7
using work process: ./aperf  7
waiting for load processes...
process for cpu 0 is done in 15.39 seconds, at 3797 MHz
process effective frequency: 3708 MHz
process for cpu 1 is done in 15.39 seconds, at 3952 MHz
process effective frequency: 3708 MHz
process for cpu 2 is done in 15.45 seconds, at 3985 MHz
process effective frequency: 3709 MHz
process for cpu 3 is done in 15.36 seconds, at 3943 MHz
process effective frequency: 3708 MHz
process for cpu 4 is done in 15.36 seconds, at 3786 MHz
process effective frequency: 3708 MHz
process for cpu 5 is done in 15.36 seconds, at 3884 MHz
process effective frequency: 3708 MHz
process for cpu 6 is done in 15.45 seconds, at 3991 MHz
process effective frequency: 3710 MHz
process for cpu 7 is done in 15.37 seconds, at 3902 MHz
process effective frequency: 3708 MHz
processes complete
average worker process time: 15.39 seconds
Running load test for package 0
starting process for cpu 0
using work process: ./aperf  0
starting process for cpu 1
using work process: ./aperf  1
starting process for cpu 2
using work process: ./aperf  2
starting process for cpu 3
using work process: ./aperf  3
starting process for cpu 4
using work process: ./aperf  4
starting process for cpu 5
using work process: ./aperf  5
starting process for cpu 6
using work process: ./aperf  6
starting process for cpu 7
using work process: ./aperf  7
waiting for load processes...
process for cpu 0 is done in 15.40 seconds, at 3815 MHz
process effective frequency: 3708 MHz
process for cpu 1 is done in 15.43 seconds, at 3936 MHz
process effective frequency: 3709 MHz
process for cpu 2 is done in 15.41 seconds, at 4000 MHz
process effective frequency: 3708 MHz
process for cpu 3 is done in 15.36 seconds, at 3973 MHz
process effective frequency: 3708 MHz
process for cpu 4 is done in 15.34 seconds, at 3749 MHz
process effective frequency: 3708 MHz
process for cpu 5 is done in 15.33 seconds, at 3880 MHz
process effective frequency: 3708 MHz
process for cpu 6 is done in 15.39 seconds, at 3888 MHz
process effective frequency: 3708 MHz
process for cpu 7 is done in 15.37 seconds, at 3965 MHz
process effective frequency: 3708 MHz
processes complete
average worker process time: 15.38 seconds
Minumum frequency average load test time: 15.38
Error: cpu0 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu1 in package 0 has a measured frequency of 3709 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu2 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu3 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu4 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu5 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu6 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Error: cpu7 in package 0 has a measured frequency of 3708 MHz vs. a requirement of 800000 MHz - 5000/+ 100 MHz
Changing cpu frequency from 3913 to 3400 MHz, performance governor
Setting cpu: 0
Setting cpu: 1
Setting cpu: 2
Setting cpu: 3
Setting cpu: 4
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Setting cpu: 5
Setting cpu: 6
Setting cpu: 7
Warning: Could not verify that cpu frequency 3913 MHzis set to the maximum value of 3400 MHz
Running CPU load test - for all cpus in the package
Running load test for package 0
starting process for cpu 0
using work process: ./aperf  0
starting process for cpu 1
using work process: ./aperf  1
starting process for cpu 2
using work process: ./aperf  2
starting process for cpu 3
using work process: ./aperf  3
starting process for cpu 4
using work process: ./aperf  4
starting process for cpu 5
using work process: ./aperf  5
starting process for cpu 6
using work process: ./aperf  6
starting process for cpu 7
using work process: ./aperf  7
waiting for load processes...
process for cpu 0 is done in 16.77 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 1 is done in 16.76 seconds, at 3280 MHz
process effective frequency: 3407 MHz
process for cpu 2 is done in 16.79 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 3 is done in 16.75 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 4 is done in 16.72 seconds, at 3371 MHz
process effective frequency: 3407 MHz
process for cpu 5 is done in 16.71 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 6 is done in 16.77 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 7 is done in 16.70 seconds, at 3371 MHz
process effective frequency: 3407 MHz
processes complete
average worker process time: 16.75 seconds
Running load test for package 0
starting process for cpu 0
using work process: ./aperf  0
starting process for cpu 1
using work process: ./aperf  1
starting process for cpu 2
using work process: ./aperf  2
starting process for cpu 3
using work process: ./aperf  3
starting process for cpu 4
using work process: ./aperf  4
starting process for cpu 5
using work process: ./aperf  5
starting process for cpu 6
using work process: ./aperf  6
starting process for cpu 7
using work process: ./aperf  7
waiting for load processes...
process for cpu 0 is done in 16.79 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 1 is done in 16.80 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 2 is done in 16.74 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 3 is done in 16.74 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 4 is done in 16.74 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 5 is done in 16.69 seconds, at 3400 MHz
process effective frequency: 3407 MHz
process for cpu 6 is done in 16.73 seconds, at 3382 MHz
process effective frequency: 3407 MHz
process for cpu 7 is done in 16.70 seconds, at 3400 MHz
process effective frequency: 3407 MHz
processes complete
average worker process time: 16.74 seconds
Maximum frequency average load test time: 16.74
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CPU Frequency Speed Up: 0.00
CPU 0 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 1 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 2 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 3 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 4 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 5 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 6 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49

CPU Frequency Speed Up: 0.00
CPU 7 Measured Speed Up: 0.92
Warning: measured speedup 0.92 greater than the maximum speedup of -0.49
FAIL
```