RED HAT JOINS CI PARTY, BRINGS COOKIES

Linux Plumbers 2019
VERONIKA KABATOVA
Software Engineer @ Red Hat
PyCon CZ organizer
Wannabe mentor

NIKOLAI KONDRASHOV
Sr. Software Engineer @ Red Hat
Electronics/embedded enthusiast
DIGImend maintainer
Continuous Kernel Integration

A team from Red Hat's Base Operating Systems and Global QE

China
Czech Republic
Finland
Norway
United States

"cookie"
NOT THAT LONG AGO...
NOT THAT LONG AGO...
Developers
Maillist
Maintainers
Git
Maillist
Maintainers
Git
Upstream

Wait for me!

Developers
Maillist
Maintainers
Git
Maillist
Maintainers
Git
QA
RH TESTS
Release
Red Hat
Developers
  ↓
Maillist
  ↓
Maintainers
  ↓
Git
  ↓
Maillist
  ↓
Maintainers
  ↓
Git
  ↓
Upstream

Developers
  ↓
Maillist
  ↓
Maintainers
  ↓
Git
  ↓
QA
  ↓
RH TESTS
  ↓
Release
  ↓
Red Hat
ABOUT THOSE COOKIES...
<table>
<thead>
<tr>
<th>Hardware</th>
<th>VMs</th>
<th>GPUs</th>
<th>NICs</th>
<th>Storage controllers</th>
<th>Audio cards</th>
<th>Infiniband adapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>x86_64</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>aarch64</td>
<td>Laptops</td>
<td></td>
<td>NICs</td>
<td>Storage controllers</td>
<td>Audio cards</td>
<td></td>
</tr>
<tr>
<td>ppc64</td>
<td>PCs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ppc64le</td>
<td>Servers</td>
<td></td>
<td></td>
<td>Storage controllers</td>
<td>Audio cards</td>
<td></td>
</tr>
<tr>
<td>s390x</td>
<td>Mainframes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

and more!
## TESTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>iSCSI params</td>
<td>LTPLite</td>
</tr>
<tr>
<td>Thinpool sanity</td>
<td>USEX</td>
</tr>
<tr>
<td>PCI utils sanity</td>
<td>Connectathon NFS</td>
</tr>
<tr>
<td>kdump</td>
<td>KVM Unit Tests</td>
</tr>
<tr>
<td>Socket fuzzing</td>
<td>KVM Self Tests</td>
</tr>
<tr>
<td>Routing tests</td>
<td>Libhugetlbfs tests</td>
</tr>
<tr>
<td>Firewall tests</td>
<td>stress-ng</td>
</tr>
<tr>
<td>xfstests</td>
<td>blocktests</td>
</tr>
<tr>
<td>Realtime kernel tests</td>
<td>SystemTap tracepoints</td>
</tr>
<tr>
<td>and more!</td>
<td></td>
</tr>
</tbody>
</table>
MAINTAINERS

Filip Suba  Jan Stancek
Jakub Krysl  Fendy Tjahjadi
William Gomeringer  Jianhong Yin
Xiaowu Wu  Marcelo Condotta
Xiumei Mu  Marcelo Condotta
Jianlin Shi  Li Wang
Yi Chen  Jeff Bastian
Xiong Zhou  Yi Zhang
Qiao Zhao  Jeff Bastian

and more!
Hello,

We ran automated tests on a recent commit from this kernel tree:

                  Commit: 6451706234b4 - Linux 5.2.10-rc1

The results of these automated tests are provided below.

   Overall result: PASSED
       Merge: OK
       Compile: OK
       Tests: OK

All kernel binaries, config files, and logs are available for download here:

   https://artifacts.cki-project.org/pipelines/114911

Please reply to this email if you have any questions about the tests that we ran or if you have any suggestions on how to make future tests more effective.

   ( C    ) ( K    ) Continuous
     .                 Kernel
    ( I    )          Integration
Hello,

We ran automated tests on a recent commit from this kernel tree:

Commit: 6451706234b4 - Linux 5.2.10-rc1

The results of these automated tests are provided below.

Overall result: PASSED
  Merge: OK
  Compile: OK
  Tests: OK

All kernel binaries, config files, and logs are available for download here:

https://artifacts.cki-project.org/pipelines/114911

Please reply to this email if you have any questions about the tests that we ran or if you have any suggestions on how to make future tests more effective.
Hello,

We ran automated tests on a recent commit from this kernel tree:

Commit: 6451706234b4 - Linux 5.2.10-rc1

The results of these automated tests are provided below.

Overall result: PASSED
  Merge: OK
  Compile: OK
  Tests: OK

All kernel binaries, config files, and logs are available for download here:

https://artifacts.cki-project.org/pipelines/114911

Please reply to this email if you have any questions about the tests that we ran or if you have any suggestions on how to make future tests more effective.
Hello,

We ran automated tests on a recent commit from this kernel tree:

   Commit: 6451706234b4 - Linux 5.2.10-rc1

The results of these automated tests are provided below.

   Overall result: PASSED
   Merge: OK
   Compile: OK
   Tests: OK

All kernel binaries, config files, and logs are available for download here:

   https://artifacts.cki-project.org/pipelines/114911

Please reply to this email if you have any questions about the tests that we ran or if you have any suggestions on how to make future tests more effective.

   ( C ) ( K ) Continuous Kernel
   ( I ) Integration
Compile testing

We compiled the kernel for 3 architectures:

- **aarch64**: make options: -j30 INSTALL_MOD_STRIP=1 targz-pkg

- **ppc64le**: make options: -j30 INSTALL_MOD_STRIP=1 targz-pkg

- **x86_64**: make options: -j30 INSTALL_MOD_STRIP=1 targz-pkg
<table>
<thead>
<tr>
<th>Name</th>
<th>Last modified</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>parent directory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>kernel-stable-aarch64-6451706234b494afc737f64c0b442d6594c4ccf9.config</td>
<td>2019-08-21 12:50</td>
<td>220K</td>
</tr>
<tr>
<td>kernel-stable-aarch64-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz</td>
<td>2019-08-21 12:59</td>
<td>76M</td>
</tr>
<tr>
<td>kernel-stable-ppc64le-6451706234b494afc737f64c0b442d6594c4ccf9.config</td>
<td>2019-08-21 12:51</td>
<td>171K</td>
</tr>
<tr>
<td>kernel-stable-ppc64le-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz</td>
<td>2019-08-21 12:59</td>
<td>79M</td>
</tr>
<tr>
<td>kernel-stable-s390x-6451706234b494afc737f64c0b442d6594c4ccf9.config</td>
<td>2019-08-21 12:50</td>
<td>92K</td>
</tr>
<tr>
<td>kernel-stable-s390x-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz</td>
<td>2019-08-21 12:54</td>
<td>34M</td>
</tr>
<tr>
<td>kernel-stable-x86_64-6451706234b494afc737f64c0b442d6594c4ccf9.config</td>
<td>2019-08-21 12:51</td>
<td>208K</td>
</tr>
<tr>
<td>kernel-stable-x86_64-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz</td>
<td>2019-08-21 13:00</td>
<td>86M</td>
</tr>
<tr>
<td>logs/</td>
<td>2019-08-21 18:11</td>
<td></td>
</tr>
</tbody>
</table>
Hardware testing

We booted each kernel and ran the following tests:

aarch64:

Host 1:

- Boot test [0]
- Podman system integration test (as root) [1]
- Podman system integration test (as user) [1]
- LTP lite [2]
- Loopdev Sanity [3]
- jvm test suite [4]
- Memory function: memfd_create [5]
- AMTU (Abstract Machine Test Utility) [6]
- LTP: openposix test suite [7]
- Ethernet drivers sanity [8]
- Networking socket: fuzz [9]
- Networking sctp-auth: sockopts test [10]
- Networking TCP: keepalive test [12]
- Networking UDP: socket [13]
- Networking tunnel: gre basic [14]
- Networking tunnel: vxlantunnel basic [15]
- audit: audit testsuite test [16]
- httpd: mod_ssl smoke sanity [17]
- iotop: sanity [18]
- tuned: tune-processes-through-perf [19]
- Usex - version 1.9-29 [20]
- storage: SCSI VPD [21]
- Networking route: pmte [22]
- Networking route_func: local [23]
- Networking route_func: forward [23]
- Networking tunnel: geneve basic test [24]
- Networking ipsec: basic netns transport [25]
- Networking ipsec: basic netns tunnel [25]
- trace: ftrace/tracer [26]
Hardware testing

We booted each kernel and ran the following tests:

- `aarch64`
  - Host 1:
    - Boot test [0]
    - Podman system integration test (as root) [1]
    - Podman system integration test (as user) [1]
    - LTP lite [2]
    - Loopdev Sanity [3]
    - jvm test suite [4]
    - Memory function: memfd create [5]
    - AMTU (Abstract Machine Test Utility) [6]
    - LTP: openposix test suite [7]
    - Ethernet drivers sanity [8]
    - Networking socket: fuzz [9]
    - Networking sctp-auth: sockopts test [10]
    - Networking TCP: keepalive test [12]
    - Networking UDP: socket [13]
    - Networking tunnel: gre basic [14]
    - Networking tunnel: vxlan basic [15]
    - audit: audit testsuite test [16]
    - httpd: mod_ssl smoke sanity [17]
    - iotop: sanity [18]
    - tuned: tune-processes-through-perf [19]
    - Usex - version 1.9-29 [20]
    - storage: SCSI VPD [21]
    - Networking route: pmtu [22]
    - Networking route_func: local [23]
    - Networking route_func: forward [23]
    - Networking tunnel: geneve basic test [24]
    - Networking ipsec: basic netns transport [25]
    - Networking ipsec: basic netns tunnel [25]
    - trace: ftrace/tracer [26]
Hardware testing
-------------------
We booted each kernel and ran the following tests:

**Host 1:**

- Boot test [0]
- Podman system integration test (as root) [1]
- Podman system integration test (as user) [1]
- LTP lite [2]
- Loopdev Sanity [3]
- jvm test suite [4]
- Memory function: memfd_create [5]
- AMTU (Abstract Machine Test Utility) [6]
- LTP: openposix test suite [7]
- Ethernet drivers sanity [8]
- Networking socket: fuzz [9]
- Networking sctp-auth: sockopts test [10]
- Networking TCP: keepalive test [12]
- Networking UDP: socket [13]
- Networking tunnel: gre basic [14]
- Networking tunnel: vxlan basic [15]
- audit: audit testsuite test [16]
- httpd: mod_ssl smoke sanity [17]
- iotop: sanity [18]
- tuned: tune-processes-through-perf [19]
- Usex - version 1.9-29 [20]
- storage: SCSI VPD [21]
- Networking route: pmtu [22]
- Networking route_func: local [23]
- Networking route_func: forward [23]
- Networking tunnel: geneve basic test [24]
- Networking ipsec: basic netns transport [25]
- Networking ipsec: basic nets tunnel [25]
- trace: ftrace/tracer [26]
Hardware testing
-----------------
We booted each kernel and ran the following tests:

aarch64:
   Host 1:
   ✔ Boot test [0]
   ✔ Podman system integration test (as root) [1]
   ✔ Podman system integration test (as user) [1]
   ✔ LTP lite [2]
   ✔ Loopdev Sanity [3]
   ✔ jvm test suite [4]
   ✔ Memory function: memfd_create [5]
   ✔ AMTU (Abstract Machine Test Utility) [6]
   ✔ LTP: openposix test suite [7]
   ✔ Ethernet drivers sanity [8]
   ✔ Networking socket: fuzz [9]
   ✔ Networking sctp-auth:sockopts test [10]
   ✔ Networking TCP: keepalive test [12]
   ✔ Networking UDP: socket [13]
   ✔ Networking tunnel: gre basic [14]
   ✔ Networking tunnel: vxlan basic [15]
   ✔ audit: audit testsuite test [16]
   ✔ httpd: mod_ssl smoke sanity [17]
   ✔ iotop: sanity [18]
   ✔ tuned: tune-processes-through-perf [19]
   ✔ Usex - version 1.9-29 [20]
   ✔ storage: SCSI VPD [21]
   ✔ Networking route: pmtu [22]
   ✔ Networking route_func: local [23]
   ✔ Networking route_func: forward [23]
   ✔ Networking tunnel: geneve basic test [24]
   ✔ Networking ipsec: basic netns transport [25]
   ✔ Networking ipsec: basic nets tunnel [25]
   ✔ trace: ftrace/tracer [26]
Hardware testing
-----------------
We booted each kernel and ran the following tests:

aarch64:
  Host 1:
  ✔ Boot test [0]
  ✔ Podman system integration test (as root) [1]
  ✔ Podman system integration test (as user) [1]
  ✔ LTP lite [2]
  ✔ Loopdev Sanity [3]
  ✔ jvm test suite [4]
  ✔ Memory function: memfd_create [5]
  ✔ AMTU (Abstract Machine Test Utility) [6]
  ✔ LTP: openposix test suite [7]
  ✔ Ethernet drivers sanity [8]
  ✔ Networking socket: fuzz [9]
  ✔ Networking sctp-auth: sockopts test [10]
  ✔ Networking TCP: keepalive test [12]
  ✔ Networking UDP: socket [13]
  ✔ Networking tunnel: gre basic [14]
  ✔ Networking tunnel: vxlan basic [15]
  ✔ audit: audit testsuite test [16]
  ✔ httpd: mod_ssl smoke sanity [17]
  ✔ iotop: sanity [18]
  ✔ tuned: tune-processes-through-perf [19]
  ✔ Usex - version 1.9-29 [20]
  ✔ storage: SCSI VPD [21]

Waived tests
------------
If the test run included waived tests, they are marked with 🚫. Such tests are executed but their results are not taken into account. Tests are waived when their results are not reliable enough, e.g. when they're just introduced or are being fixed.
Host 2:
- boot test [0]
- xfstests: ext4 [27]
- xfstests: xfs [27]
- selinux-policy: sarge-testsuite [28]
- lvm thinp sanity [29]
- storage: software RAID testing [30]
- Storage blktests [31]
ppc64le:
Host 1:

- Boot test [0]
- Podman system integration test (as root) [1]
- Podman system integration test (as user) [1]
- LTP lite [2]
- Loopdev Sanity [3]
- jvm test suite [4]
- Memory function: memfd_create [5]
- AMTU (Abstract Machine Test Utility) [6]
- LTP: openposix test suite [7]
- Ethernet drivers sanity [8]
- Networking socket: fuzz [9]
- Networking sctp-auth: sockopts test [10]
- Networking TCP: keepalive test [12]
- Networking UDP: socket [13]
- Networking tunnel: gre basic [14]
- Networking tunnel: vxlan basic [15]
- audit: audit testsuite test [16]
- httpd: mod_ssl smoke sanity [17]
- iotop: sanity [18]
- tuned: tune-processes-through-perf [19]
- Usex - version 1.9-29 [20]
- Networking route: pmtd [22]
- Networking route_func: local [23]
- Networking route_func: forward [23]
- Networking tunnel: geneve basic test [24]
- Networking ipsec: basic netns tunnel [25]
- trace: ftrace/tracer [26]
Host 2:
- Boot test [0]
- xfstests: ext4 [27]
- xfstests: xfs [27]
- selinux-policy: serge-testsuite [28]
- lvm thinp sanity [29]
- storage: software RAID testing [30]
- Storage blktests [31]
x86 64:

Host 1:
- Boot test [0]
- Podman system integration test (as root) [1]
- Podman system integration test (as user) [1]
- LTP lite [2]
- Loopdev Sanity [3]
- jvm test suite [4]
- Memory function: memfd_create [5]
- AMTU (Abstract Machine Test Utility) [6]
- LTP: openposix test suite [7]
- Ethernet drivers sanity [8]
- Networking socket: fuzz [9]
- Networking scpf-auth: sockopt test [10]
- Networking TCP: keepalive test [12]
- Networking UDP: socket [13]
- Networking tunnel: gre basic [14]
- Networking tunnel: vxlan basic [15]
- audit: audit testsuite test [16]
- httpd: mod_ssl smoke sanity [17]
- iotop: sanity [18]
- tuned: tune-processes-through-perf [19]
- pciutils: sanity smoke test [32]
- Usex - version 1.9.29 [20]
- storage: SCSI VPD [21]
- stress: stress-ng [33]
- Networking route: pmtu [22]
- Networking route_func: local [23]
- Networking route_func: forward [23]
- Networking tunnel: geneve basic test [24]
- Networking ipsec: basic netns transport [25]
- Networking ipsec: basic netns tunnel [25]
- trace: ftrace/tracer [26]
Host 2:
- Boot test [0]
- xfstests: ext4 [27]
- xfstests: xfs [27]
- selinux-policy: serge-testsuite [28]
- lvm thinp sanity [29]
- storage: software RAID testing [30]
- Storage blktests [31]
Test source:

Pull requests are welcome for new tests or improvements to existing tests!

[0]: https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/kpkginstall
[1]: https://github.com/CKI-project/tests-beaker/archive/master.zip#/container/podman
[2]: https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/ltp/lite
[3]: https://github.com/CKI-project/tests-beaker/archive/master.zip#filesystems/losetup/sanity
[4]: https://github.com/CKI-project/tests-beaker/archive/master.zip#/jvm
[5]: https://github.com/CKI-project/tests-beaker/archive/master.zip#/memory/function/memfd_create
[6]: https://github.com/CKI-project/tests-beaker/archive/master.zip#misc/ant
[7]: https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/ltp/openposix_testsuite
[8]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/driver/sanity
[9]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/socket/fuzz
[10]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/sctp/auth/sockopts
[11]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/igmp/conformance
[12]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/tcp/tcp_keepalive
[13]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/udp/udp_socket
[14]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/tunnel/gre/basic
[15]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/tunnel/vxlan/basic
[16]: https://github.com/CKI-project/tests-beaker/archive/master.zip#packages/audit/audit-testsuite
[17]: https://github.com/CKI-project/tests-beaker/archive/master.zip#packages/httpd/mod_ssl-smoke
[18]: https://github.com/CKI-project/tests-beaker/archive/master.zip#packages/iotop/sanity
[19]: https://github.com/CKI-project/tests-beaker/archive/master.zip#packages/tuned/tune-processes-through-perf
[20]: https://github.com/CKI-project/tests-beaker/archive/master.zip#standards/usex/1.9-29
[21]: https://github.com/CKI-project/tests-beaker/archive/master.zip#storage/scsi/vpd
[22]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/route/pmtu
[23]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/route/route_func
[24]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/tunnel/geneve/basic
[25]: https://github.com/CKI-project/tests-beaker/archive/master.zip#networking/ipsec/ipsec_basic/ipsec_basic_netns
[26]: https://github.com/CKI-project/tests-beaker/archive/master.zip#trace/trace
[27]: https://github.com/CKI-project/tests-beaker/archive/master.zip#filesystems/xfs/xfstests
[28]: https://github.com/CKI-project/tests-beaker/archive/master.zip#packages/selinux-policy/serge-testsuite
[29]: https://github.com/CKI-project/tests-beaker/archive/master.zip#storage/lvm/thinp/sanity
[30]: https://github.com/CKI-project/tests-beaker/archive/master.zip#storage/swraid/trim
[31]: https://github.com/CKI-project/tests-beaker/archive/master.zip#storage/blk
[32]: https://github.com/CKI-project/tests-beaker/archive/master.zip#pciutils/sanity-smoke
[33]: https://github.com/CKI-project/tests-beaker/archive/master.zip#stress/stress-ng
CI tests to run in Beaker

Manage topics

- acpi/acpitable
  - Add test for ACPI table
  - 6 months ago

- container/podman
  - Disable metacopy on RHEL8 for podman (#290)
  - 21 days ago

- cpu
  - Avoid failure for cpu frequency driver test on lenovo intel systems (#...
  - 11 days ago

- distribution
  - Fixup condition
  - 6 days ago

- example
  - Rename template/dummy-test to example
  - last month

- filesystems
  - fs/xfs/xfstests: collect blockdev info for debug
  - last month
The directories below contain compiled kernel packages, kernel configuration files, and other metadata from our recent tests. These files will be purged on a regular basis.

<table>
<thead>
<tr>
<th>Name</th>
<th>Last_modified</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent Directory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aarch64_host_1_AMTU_Abstract_Machine_Test_Utility_resultoutputfile.log</td>
<td>2019-08-21 18:10</td>
<td>30K</td>
</tr>
<tr>
<td>aarch64_host_1_AMTU_Abstract_Machine_Test_Utility_taskout.log</td>
<td>2019-08-21 18:10</td>
<td>12K</td>
</tr>
<tr>
<td>aarch64_host_1_Boot_test_dmesg.log</td>
<td>2019-08-21 18:10</td>
<td>35K</td>
</tr>
<tr>
<td>aarch64_host_1_Boot_test_resultoutputfile.log</td>
<td>2019-08-21 18:10</td>
<td>1.4K</td>
</tr>
<tr>
<td>aarch64_host_1_Boot_test_taskout.log</td>
<td>2019-08-21 18:10</td>
<td>7.3K</td>
</tr>
<tr>
<td>aarch64_host_1_Ethernet_drivers_sanity_taskout.log</td>
<td>2019-08-21 18:10</td>
<td>2.0K</td>
</tr>
<tr>
<td>aarch64_host_1_LTP_lite_RHEL71LITE.FILTERED.run.log</td>
<td>2019-08-21 18:10</td>
<td>1.0M</td>
</tr>
<tr>
<td>aarch64_host_1_LTP_lite_dmesg.log</td>
<td>2019-08-21 18:10</td>
<td>59K</td>
</tr>
<tr>
<td>aarch64_host_1_LTP_lite_resultoutputfile.log</td>
<td>2019-08-21 18:10</td>
<td>68K</td>
</tr>
<tr>
<td>aarch64_host_1_LTP_lite_taskout.log</td>
<td>2019-08-21 18:10</td>
<td>13K</td>
</tr>
</tbody>
</table>
Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

   Commit: aad39e30fb9e - Linux 5.2.9

The results of these automated tests are provided below.

   Overall result: FAILED (see details below)
      Merge: OK
      Compile: OK
      Tests: FAILED

All kernel binaries, config files, and logs are available for download here:

   https://artifacts.cki-project.org/pipelines/108109

One or more kernel tests failed:

   ppc64le:
      x  selinux-policy: serge-testsuite
Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

Commit: aad39e30fb9e - Linux 5.2.9

The results of these automated tests are provided below.

Overall result: FAILED (see details below)
  Merge: OK
  Compile: OK
  Tests: FAILED

All kernel binaries, config files, and logs are available for download here:

https://artifacts.cki-project.org/pipelines/108109

One or more kernel tests failed:

  ppc64le:
    × selinux-policy: serge-testsuite
Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

      Commit: aad39e30fb9e - Linux 5.2.9

The results of these automated tests are provided below.

   Overall result: FAILED (see details below)
     Merge: OK
     Compile: OK
     Tests: FAILED

All kernel binaries, config files, and logs are available for download here:

   https://artifacts.cki-project.org/pipelines/108109

One or more kernel tests failed:
	ppc64le:
	   x  selinux-policy: serge-testsuite
Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

   Commit: aad39e30fb9e - Linux 5.2.9

The results of these automated tests are provided below.

    Overall result: FAILED (see details below)
      Merge: OK
      Compile: OK
          Tests: FAILED

All kernel binaries, config files, and logs are available for download here:

  https://artifacts.cki-project.org/pipelines/108109

One or more kernel tests failed:

  ppc64le:
      ✗ selinux-policy: serge-testsuite
Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

    Commit: aad39e30fb9e - Linux 5.2.9

The results of these automated tests are provided below.

    Overall result: FAILED (see details below)
    Merge: OK
    Compile: OK
    Tests: FAILED

All kernel binaries, config files, and logs are available for download here:

https://artifacts.cki-project.org/pipelines/108109

One or more kernel tests failed:

    ppc64le:
    × selinux-policy: serge-testsuite
Merge testing

-----------

We cloned this repository and checked out the following commit:

Commit: aad39e30fb9e - Linux 5.2.9

We grabbed the 6876cde84f1c commit of the stable queue repository.

We then merged the patchset with `git am`:

keys-trusted-allow-module-init-if-tpm-is-inactive-or-deactivated.patch
sh-kernel-hw_breakpoint-fix-missing-break-in-switch-statement.patch
seq_file-fix-problem-when-seeking-mid-record.patch
mm-hmm-fix-bad-subpage-pointer-in-try_to_unmap_one.patch
mm-mempolicy-make-the-behavior-consistent-when-mpol_mf_move-and-mpol_mf_strict-were-specified.patch
mm-mempolicy-handle-vma-with-unmovable-pages-mapped-correctly-in-mblind.patch
mm-z3fold.c-fix-z3fold_destroy_pool-ordering.patch
mm-z3fold.c-fix-z3fold_destroy_pool-race-condition.patch
mm-memcontrol.c-fix-use-after-free-in-mem_cgroup_iter.patch
mm-usercopy-use-memory-range-to-be-accessed-for-wrapparounds-check.patch
mm-vmscan-do-not-special-case-slab-reclaim-when-watermarks-are-boosted.patch
cpufreq-schedutil-dont-skip-freq-update-when-limits-change.patch
drm-amdgpufixgfx9-soft-recovery.patch
drm-nouveau-only-recalculate-pbn-vcpi-on-mode-connector-changes.patch
xtensa-add-missing-isync-to-the-cpu_reset-tlb-code.patch
arm64-ftrace-ensure-module-ftrace-trampoline-is-coherent-with-i-side.patch
alsa-hda-realtek-add-quirk-for-hp-envy-x360.patch
alsa-usb-audio-fix-a-stack-buffer-overflow-bug-in-check_input_term.patch
alsa-usb-audio-fix-an-oob-bug-in-parse_audio_mixer_unit.patch
alsa-hda-apply-workaround-for-another-amd-chip-1022-1487.patch
alsa-hda-fix-a-memory-leak-bug.patch
alsa-hda-add-a-generic-reboot_notif-y.patch
alsa-hda-let-all-conexant-codec-enter-d3-when-rebooting.patch
Merge testing
-------------

We cloned this repository and checked out the following commit:

Commit: aad39e30fb9e - Linux 5.2.9

We grabbed the 6876cde84f1c commit of the stable queue repository.

We then merged the patchset with `git am`:

keys-trusted-allow-module-init-if-tpm-is-inactive-or-deactivated.patch
sh-kernel-hw_breakpoint-fix-missing-break-in-switch-statement.patch
seq_file-fix-problem-when-seeking-mid-record.patch
mm-hmm-fix-bad-subpage-pointer-in-try_to_unmap_one.patch
mm-mempolicy-make-the-behavior-consistent-when-mpol-mf_move-and-mpol-mf_strict-were-specified.patch
mm-mempolicy-handle-vma-with-unmovable-pages-mapped-correctly-in-mbind.patch
mm-z3fold.c-fix-z3fold_destroy_pool-ordering.patch
mm-z3fold.c-fix-z3fold_destroy_pool-race-condition.patch
mm-memcontrol.c-fix-use-after-free-in-mem_cgroup_iter.patch
mm-usercopy-use-memory-range-to-be-accessed-for-wraparound-check.patch
mm-vmscan-do-not-special-case-slab-reclaim-when-watermarks-are-boosted.patch
cpufreq-schedutil-don-t-skip-freq-update-when-limits-change.patch
drm-amdgpu-fix-gfx9-soft-recovery.patch
drm-nouveau-only-recalculate-hd-camera-on-mode-connector-changes.patch
tensa-add-missing-isync-to-the-cpu_reset-tlb-code.patch
arm64-ftrace-ensure-module-ftrace-trampoline-is-coherent-with-i-side.patch
alsa-hda-realtek-add-quirk-for-hp-envy-x360.patch
alsa-usb-audio-fix-a-stack-buffer-overflow-bug-in-check_input_term.patch
alsa-usb-audio-fix-an-oob-bug-in-parse_audio_mixer_unit.patch
alsa-hda-apply-workaround-for-another-amd-chip-1022-1487.patch
alsa-hda-fix-a-memory-leak-bug.patch
alsa-hda-add-a-generic-reboot_notify.patch
alsa-hda-let-all-conexant-codec-enter-d3-when-rebooting.patch

Merge testing
---------------

We cloned this repository and checked out the following commit:

Commit: aad39e30fb9e - Linux 5.2.9

We grabbed the 6876cde84f1c commit of the stable queue repository.

We then merged the patchset with `git am`:

```
keys-trusted-allow-module-init-if-tpm-is-inactive-or-deactivated.patch
sh-kernel-hw_breakpoint-fix-missing-break-in-switch-statement.patch
seq_file-fix-problem-when-seeking-mid-record.patch
mm-hmm-fix-bad-subpage-pointer-in-try_to_unmap_one.patch
mm-mempolicy-make-the-behavior-consistent-when-mpol_mf_move-and-mpol_mf_strict-were-specified.patch
mm-mempolicy-handle-vma-with-unmovable-pages-mapped-correctly-in-mbind.patch
mm-z3fold.c-fix-z3fold_destroy_pool-ordering.patch
mm-z3fold.c-fix-z3fold_destroy_pool-race-condition.patch
mm-memcontrol.c-fix-use-after-free-in-mem_cgroup_iter.patch
mm-usercopy-use-memory-range-to-be-accessed-for-wraparound-check.patch
mm-vmscan-do-not-special-case-slab-reclaim-when-watermarks-are-boosted.patch
cpufreq-schedutil-don-t-skip-freq-update-when-limits-change.patch
drm-amdgpu-fix-gfx9-soft-recovery.patch
drm-nouveaux-only-recalculate.pbn-vcpi-on-mode-connector-changes.patch
xtensa-add-missing-sync-to-the-cpu_reset-tlb-code.patch
arm64-ftrace-ensure-module-ftrace-trampoline-is-coherent-with-i-side.patch
alsa-hda-realtek-add-quirk-for-hp-envy-x360.patch
alsa-usb-audio-fix-a-stack-buffer-overflow-bug-in-check_input_term.patch
alsa-usb-audio-fix-an-oob-bug-in-parse_audio_mixer_unit.patch
alsa-hda-apply-workaround-for-another-amd-chip-1022-1487.patch
alsa-hda-fix-a-memory-leak-bug.patch
alsa-hda-add-a-generic-reboot_notify.patch
alsa-hda-let-all-conexant-codec-enter-d3-when-rebooting.patch
```
Merge testing
-------------

We cloned this repository and checked out the following commit:

Commit: aad39e30fb9e - Linux 5.2.9

We grabbed the 6876cde84f1c commit of the stable queue repository.

We then merged the patchset with `git am`:

keys-trusted-allow-module-init-if-tpm-is-inactive-or-deactivated.patch
sh-kernel-hw_breakpoint-fix-missing-break-in-switch-statement.patch
seq_file-fix-problem-when-seeking-mid-record.patch
mm-hmm-fix-bad-subpage-point-in-try-to-unmap_one.patch
mm-mempolicy-make-the-behavior-consistent-when-mpol_mf_move-and-mpol_mf_strict-were-specified.patch
mm-mempolicy-handle-vma-with-unmovable-pages-mapped-correctly-in-mbind.patch
mm-z3fold.c-fix-z3fold_destroy_pool-ordering.patch
mm-z3fold.c-fix-z3fold_destroy_pool-race-condition.patch
mm-memcontrol.c-fix-use-after-free-in-mem_cgroup_iter.patch
mm-usercopy-use-memory-range-to-be-accessed-for-wraparound-check.patch
mm-vmscan-do-not-special-case-slab-reclaim-when-watermarks-are-boosted.patch
cpufreq-schedutil-don't-skip-freq-update-when-limits-change.patch
drm-amdgpudx-gfxx9-soft-recovery.patch
drm-nouveaupc1-only-recalculate-pbn-vcpi-on-mode-connector-changes.patch
xtensa-add-missing-isync-to-the-cpu_reset-tlb-code.patch
arm64-ftrace-ensure-module-ftrace-trampoline-is-coherent-with-i-side.patch
alsa-hda-realtek-add-quirk-for-hp-envy-x360.patch
alsa-usb-audio-fix-a-stack-buffer-overflow-bug-in-check_input_term.patch
alsa-usb-audio-fix-an-oob-bug-in-parse_audio_mixer_unit.patch
alsa-hda-apply-workaround-for-another-amd-chip-1022-1487.patch
alsa-hda-fix-a-memory-leak-bug.patch
alsa-hda-add-a-generic-reboot-notify.patch
alsa-hda-let-all-conexant-codec-enter-d3-when-rebooting.patch
ppc64le:

Host 1:
- Boot test [0]
- xfstests: xfs [12]
- selinux-policy: serge-testsuite [13]

Host 2:
- Boot test [0]
- Podman system integration test (as root) [1]
- Podman system integration test (as user) [1]
- LTP lite [2]
- Loopdev Sanity [3]
- jvm test suite [4]
- AMTU (Abstract Machine Test Utility) [5]
- LTP: openposix test suite [6]
- audit: audit testsuite test [7]
- httpd: mod_ssl smoke sanity [8]
- iotop: sanity [9]
- tuned: tune-processes-through-perf [10]
ppc64le:
  Host 1:
  ✓ Boot test [0]
  ✓ xfstests: xfs [12]
  ✗ selinux-policy: serge-testsuite [13]

Host 2:
  ✓ Boot test [0]
  ✓ Podman system integration test (as root) [1]
  ✓ Podman system integration test (as user) [1]
  ✓ LTP lite [2]
  ✓ Loopdev Sanity [3]
  ✓ jvm test suite [4]
  ✓ AMTU (Abstract Machine Test Utility) [5]
  ✓ LTP: openposix test suite [6]
  ✓ audit: audit testsuite test [7]
  ✓ httpd: mod_ssl smoke sanity [8]
  ✓ iotop: sanity [9]
  ✓ tuned: tune-processes-through-perf [10]
<table>
<thead>
<tr>
<th>File Name</th>
<th>Date</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>aarch64_host_2_xfstests_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstests_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>204K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstests_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>216K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_dmesg.log</td>
<td>2019-08-18</td>
<td>80K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>1.7K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_taskout.log</td>
<td>2019-08-18</td>
<td>7.6K</td>
</tr>
<tr>
<td>ppc64le_host_1_console.log</td>
<td>2019-08-18</td>
<td>338K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_dmesg.log</td>
<td>2019-08-18</td>
<td>41K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>6.1K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_taskout.log</td>
<td>2019-08-18</td>
<td>96K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>213K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>224K</td>
</tr>
<tr>
<td>File Name</td>
<td>Date</td>
<td>Size</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>aarch64_host_2_xfstests_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstests_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>204K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstests_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>216K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_dmesg.log</td>
<td>2019-08-18</td>
<td>80K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>1.7K</td>
</tr>
<tr>
<td>ppc64le_host_1_Boot_test_taskout.log</td>
<td>2019-08-18</td>
<td>7.6K</td>
</tr>
<tr>
<td>ppc64le_host_1_console.log</td>
<td>2019-08-18</td>
<td>338K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_dmesg.log</td>
<td>2019-08-18</td>
<td>41K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>6.1K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_taskout.log</td>
<td>2019-08-18</td>
<td>96K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>213K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstests_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>224K</td>
</tr>
<tr>
<td>File Name</td>
<td>Date</td>
<td>Size</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>aarch64_host_2_xfstds_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstds_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>204K</td>
</tr>
<tr>
<td>aarch64_host_2_xfstds_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>216K</td>
</tr>
<tr>
<td>ppc64le_host_1_boot_test_dmesg.log</td>
<td>2019-08-18</td>
<td>80K</td>
</tr>
<tr>
<td>ppc64le_host_1_boot_test_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>1.7K</td>
</tr>
<tr>
<td>ppc64le_host_1_boot_taskout.log</td>
<td>2019-08-18</td>
<td>7.6K</td>
</tr>
<tr>
<td>ppc64le_host_1_console.log</td>
<td>2019-08-18</td>
<td>338K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_dmesg.log</td>
<td>2019-08-18</td>
<td>41K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>6.1K</td>
</tr>
<tr>
<td>ppc64le_host_1_selinuxpolicy_sergetestsuite_taskout.log</td>
<td>2019-08-18</td>
<td>96K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstds_xfs_dmesg.log</td>
<td>2019-08-18</td>
<td>197K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstds_xfs_resultoutputfile.log</td>
<td>2019-08-18</td>
<td>213K</td>
</tr>
<tr>
<td>ppc64le_host_1_xfstds_xfs_taskout.log</td>
<td>2019-08-18</td>
<td>224K</td>
</tr>
</tbody>
</table>
cap_users/test ............... ok
extended_socket_class/test ..
extended_socket_class/test .. 1/16

extended_socket_class/test .. ok
sctp/test ..................
sctp/test .................. 1/86 sctp_bindx ADD: Invalid argument

# Failed test at sctp/test line 180.
sctp_bindx ADD: Invalid argument

sctp/test .................. 12/86
sctp/test .................. 15/86
sctp/test .................. 18/86
sctp/test .................. 19/86
sctp/test .................. 20/86
sctp/test .................. 22/86
sctp/test .................. 27/86
sctp/test .................. 31/86
sctp/test .................. 35/86
sctp/test .................. 40/86
sctp/test .................. 44/86
sctp/test .................. 46/86
sctp/test .................. 48/86
sctp/test .................. 53/86
sctp/test .................. 57/86
sctp/test .................. 61/86
sctp/test .................. 63/86
sctp/test .................. 65/86
sctp/test .................. 70/86
sctp/test .................. 74/86
STABLE QUEUE REPORT - LOGS

cap_users/test ............  ok
extended_socket_class/test ..
extended_socket_class/test .. 1/16

extended_socket_class/test ..  ok
sctp/test ...................
sctp/test ................... 1/86 sctp_bindx ADD: Invalid argument

# Failed test at sctp/test line 180.
sctp_bindx ADD: Invalid argument

sctp/test ................... 12/86
sctp/test ................... 15/86
sctp/test ................... 18/86
sctp/test ................... 19/86
sctp/test ................... 20/86
sctp/test ................... 22/86
sctp/test ................... 27/86
sctp/test ................... 31/86
sctp/test ................... 35/86
sctp/test ................... 40/86
sctp/test ................... 44/86
sctp/test ................... 46/86
sctp/test ................... 48/86
sctp/test ................... 53/86
sctp/test ................... 57/86
sctp/test ................... 61/86
sctp/test ................... 63/86
sctp/test ................... 65/86
sctp/test ................... 70/86
sctp/test ................... 74/86
Subject: Re: ✗ FAIL: Stable queue: queue-5.2
From: Ondrej Mosnacek <omosnacek@xxxxxxxxxxxx>
Date: Sun, 18 Aug 2019 18:59:35 +0200
Cc: Linux Stable maillist <stable@xxxxxxxxxxxxxxxx>, Milos Malik <mmalik@xxxxxxxxxxxx>
In-reply-to: <cki.BE02F11449.7TX8NQ6BR3@redhat.com>

On Sun, Aug 18, 2019 at 2:00 PM CKI Project <cki-project@xxxxxxxxxxxx> wrote:

> One or more kernel tests failed:
> ppc64le:
> ✗ selinux-policy: serge-testsuite

FYI, this is a false negative - the test ran on a machine that had two network interfaces with the same IPv4 address assigned, which confused the SCTP test in the testsuite... I'll try to fix this corner case when I find the time.
Subject: Re: ❌ FAIL: Stable queue: queue-5.2
From: Ondrej Mosnacek <omosnacek@xxxxxxxxxxx>
Date: Sun, 18 Aug 2019 18:59:35 +0200
Cc: Linux Stable maillist <stable@xxxxxxxxxxxxxxxx>, Milos Malik <mmalik@xxxxxxxxxxx>
In-reply-to: <cki.BE02F11449.7TX8NQ6BR3@redhat.com>

On Sun, Aug 18, 2019 at 2:00 PM CKI Project <cki-project@xxxxxxxxxxx> wrote:

> One or more kernel tests failed:
> ppc64le:
> ❌ selinux-policy: serge-testsuite

FYI, this is a false negative - the test ran on a machine that had two network interfaces with the same IPv4 address assigned, which confused the SCTP test in the testsuite... I’ll try to fix this corner case when I find the time.
REAL BUGS!
<<test_start>>
tag=cve-2017-2671 stime=1565547528
cmdline="cve-2017-2671"
contacts=""
analysis=exit
<<test_output>>
tst_test.c:1098: INFO: Timeout per run is 0h 05m 00s
cve-2017-2671.c:04: INFO: Created ping socket, attempting to race...

../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
../include/tst_fuzzy_sync.h:300: INFO: loop = 1024, delay_bias = 0
../include/tst_fuzzy_sync.h:288: INFO: start_a - start_b: { avg = 87ns, avg_dev = 25ns, dev_ratio = 0.29 }
../include/tst_fuzzy_sync.h:288: INFO: end_a - start_a : { avg = 5130ns, avg_dev = 381ns, dev_ratio = 0.07 }
../include/tst_fuzzy_sync.h:288: INFO: end_b - start_b : { avg = 5749ns, avg_dev = 1517ns, dev_ratio = 0.26 }
../include/tst_fuzzy_sync.h:288: INFO: end_a - end_b : { avg = -532ns, avg_dev = 1197ns, dev_ratio = 2.25 }
../include/tst_fuzzy_sync.h:288: INFO: spins : { avg = 5 , avg_dev = 10 , dev_ratio = 1.89 }
../include/tst_fuzzy_sync.h:497: WARN: Can't calculate random delay
../include/tst_fuzzy_sync.h:611: INFO: Exceeded execution loops, requesting exit
LTP COLLABORATION - TEST BUGS

[LTP] [PATCH] fzsinc: don't compare spins_avg (float) against 1 (int)

```
cmdline="cve-2017-2671"
contacts=
analysis=exit

<<<test_output>>>}
tst_test.c:1098: INFO: Timeout per run is 0h 05m 00s
cve-2017-2671.c:04: INFO: Created ping socket, attempting to race...

../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended

../include/tst_fuzzy_sync.h:300: INFO: loop = 1024, delay_bias = 0

../include/tst_fuzzy_sync.h:288: INFO: start_a - start_b: { avg = 87ns, avg_dev = 25ns, dev_ratio = 0.29 }

../include/tst_fuzzy_sync.h:288: INFO: end_a - start_a : { avg = 5130ns, avg_dev = 381ns, dev_ratio = 0.07 }

../include/tst_fuzzy_sync.h:288: INFO: end_b - start_b : { avg = 5749ns, avg_dev = 1517ns, dev_ratio = 0.26 }

../include/tst_fuzzy_sync.h:288: INFO: end_a - end_b : { avg = -532ns, avg_dev = 1197ns, dev_ratio = 2.25 }

../include/tst_fuzzy_sync.h:288: INFO: spins : { avg = 5 , avg_dev = 10 , dev_ratio = 1.89 }

../include/tst_fuzzy_sync.h:497: WARN: Can't calculate random delay

../include/tst_fuzzy_sync.h:611: INFO: Exceeded execution loops, requesting exit
```
[LTP] [PATCH] fzsyc: don't compare spins_avg (float) against 1 (int)

cmdline="cve-2017-2671"
contacts=""
analysis=exit
<<<test_output>>>}
tst_test.c:1098: INFO: Timeout per run is 0h 05m 00s
cve-2017-2671.c:04: INFO: Created ping socket, attempting to race...
..../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
..../include/tst_fuzzy_sync.h:300: INFO: loop = 1024, delay_bias = 0
..../include/tst_fuzzy_sync.h:288: INFO: start_a - start_b: { avg = 87ns, avg_dev = 25ns, dev_ratio = 0.29 }
..../include/tst_fuzzy_sync.h:288: INFO: end_a - start_a : { avg = 5130ns, avg_dev = 381ns, dev_ratio = 0.07 }
..../include/tst_fuzzy_sync.h:288: INFO: end_b - start_b : { avg = 5749ns, avg_dev = 1517ns, dev_ratio = 0.26 }
..../include/tst_fuzzy_sync.h:288: INFO: end_a - end_b : { avg = -532ns, avg_dev = 1197ns, dev_ratio = 2.25 }
..../include/tst_fuzzy_sync.h:288: INFO: spins : { avg = 5 , avg_dev = 10 , dev_ratio = 1.89 }
..../include/tst_fuzzy_sync.h:497: WARN: Can't calculate random delay
..../include/tst_fuzzy_sync.h:611: INFO: Exceeded execution loops, requesting exit

mkswap01 is racing with udev and sometimes fails #458

Open

jstancek opened this issue on Jan 3 · 1 comment

jstancek commented on Jan 3

mkswap01 is sporadically failing on aarch64 systems (kernel 4.18)
[LTP] [PATCH] fpzsync: don't compare spins_avg (float) against 1 (int)

cmdline="cve-2017-2671"
contacts=""
analysis=exit
<<<test_output>>>
tst_test.c:1098: INFO: Timeout per run is 0h 05m 00s
cve-2017-2671.c:04: INFO: Created ping socket, attempting to race...
../../../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
../../../include/tst_fuzzy_sync.h:300: INFO: loop = 1024, delay_bias = 0
../../../include/tst_fuzzy_sync.h:288: INFO: start_a - start_b: { avg = 87ns, avg_dev = 25ns, dev_ratio = 0.29 }
../../../include/tst_fuzzy_sync.h:288: INFO: end_a - start_a : { avg = 5130ns, avg_dev = 381ns, dev_ratio = 0.07 }
../../../include/tst_fuzzy_sync.h:288: INFO: end_b - start_b : { avg = 5749ns, avg_dev = 1517ns, dev_ratio = 0.26 }
../../../include/tst_fuzzy_sync.h:288: INFO: end_a - end_b : { avg = -532ns, avg_dev = 1197ns, dev_ratio = 2.25 }
../../../include/tst_fuzzy_sync.h:288: INFO: spins : { avg = 5 , avg_dev = 10 , dev_ratio = 1.89 }
../../../include/tst_fuzzy_sync.h:497: WARN: Can't calculate random delay
../../../include/tst_fuzzy_sync.h:611: INFO: Exceeded execution loops, requesting exit

mkswap01 is racing with udev and sometimes fails #458

⚠️ Open
jstancek opened this issue on Jan 3 · 1 comment

[LTP] [PATCH] tst_res: Print errno number in addition to error name
[LTP] [PATCH] fzsnc: don't compare spins_avg (float) against 1 (int)

```
cmdline="cve-2017-2671"
contacts=""
analysis=exit
<<<test_output>>>  
cve-2017-2671.c:04: INFO: Created ping socket, attempting to race...
..../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
..../include/tst_fuzzy_sync.h:300: INFO: loop = 1024, delay_bias = 0
..../include/tst_fuzzy_sync.h:288: INFO: start_a - start_b: { avg = 87 ns, avg_dev = 25 ns, dev_ratio = 0.29 }
..../include/tst_fuzzy_sync.h:288: INFO: end_a - start_a : { avg = 5130 ns, avg_dev = 381 ns, dev_ratio = 0.07 }
..../include/tst_fuzzy_sync.h:288: INFO: end_b - start_b : { avg = 5749 ns, avg_dev = 1517 ns, dev_ratio = 0.26 }
..../include/tst_fuzzy_sync.h:288: INFO: end_a - end_b : { avg = -532 ns, avg_dev = 1197 ns, dev_ratio = 2.25 }
..../include/tst_fuzzy_sync.h:288: INFO: spins: { avg = 5 , avg_dev = 10 , dev_ratio = 1.89 }
..../include/tst_fuzzy_sync.h:497: WARN: Can't calculate random delay
..../include/tst_fuzzy_sync.h:611: INFO: Exceeded execution loops, requesting exit
```

mkswap01 is racing with udev and sometimes fails #458

[jstanc0k opened this issue on Jan 3 · 1 comment]

[LTP] [PATCH] tst_res: Print errno number in addition to error name

Occasionally new error numbers are added to the kernel (maybe by accident). Currently if we do not know the name of them then we just print ???.

This commit simply always prints the error number to aid with debugging.
POSSIBLE ISSUES FOUND DURING LTP COLLABORATION

This failure very probably a bug for kernel:

```
# grep RTC_CLASS /boot/config-4.18.0-128.el8.aarch64
CONFIG_RTC_CLASS=y

# ./timer_create01
tst_test.c:1104: INFO: Timeout per run is 0h 05m 00s
...
timer_create01.c:87: FAIL: Failed to create timer for
  CLOCK_BOOTTIME_ALARM: ??? (524)
timer_create01.c:87: FAIL: Failed to create timer for
  CLOCK_REALTIME_ALARM: ??? (524)

# cat kernel/time/alarmtimer.c -n
```
POSSIBLE ISSUES FOUND DURING LTP COLLABORATION

This failure very probably a bug for kernel:

```bash
# grep RTC_CLASS /boot/config-4.18.0-128.el8.aarch64
CONFIG_RTC_CLASS=y

# ./timer_create01
tst_test.c:1104: INFO: Timeout per run is 0h 05m 00s
...
timer_create01.c:87: FAIL: Failed to create timer for
CLOCK_BOOTTIME_ALARM: ??? (524)
timer_create01.c:87: FAIL: Failed to create timer for
CLOCK_REALTIME_ALARM: ??? (524)

# cat kernel/time/alarmtimer.c -n
```

Test timeouted, sending SIGKILL!
Test timeouted, sending SIGKILL!
Test timeouted, sending SIGKILL!
Test timeouted, sending SIGKILL!
Test timeouted, sending SIGKILL!
Cannot kill test processes!
Congratulation, likely test hit a kernel bug.
Exiting uncleanly...
<<<execution_status>>>
Hi,

LTP move_pages12 [1] started failing recently.

The test maps/unmaps some anonymous private huge pages and migrates them between 2 nodes. This now reliably hits NULL ptr deref:

```
[ 194.819357] BUG: unable to handle kernel NULL pointer dereference at 0000000000000000  [ 194.864410] #PF error: [WRITE]
```
Hi,

LTP move_pages12 [1] started failing recently.

The test maps/unmaps some anonymous private huge pages and migrates them between 2 nodes. This now reliably hits NULL ptr deref:

```
[ 194.819357] BUG: unable to handle kernel NULL pointer dereference at \\
0000000000000030 [ 194.864410] #PF error: [WRITE]
```

Suspected commit is:
```
b43a99900559 ("hugetlbfs: use i_mmap_rwsem for more pmd sharing synchronization")
which adds to unmap_and_move_huge_page():
+       struct address_space *mapping = page_mapping(hpage);
```
hugetlbfs: revert "use i_mmap_rwlock for more pmd sharing synchronization"
This reverts b43a9990055958e70347c56f90ea2ae32c67334c

The reverted commit caused issues with migration and poisoning of anon
huge pages. The LTP move_pages12 test will cause an "unable to handle
kernel NULL pointer" BUG would occur with stack similar to:
mtest06 rarely hangs:

```
<<<test_start>>>  
tag=mtest06 stime=1556617569  
cmdline=" mmap1"   
contacts=""  
analysis=exit  
<<<test_output>>>  
tst_test.c:1085: INFO: Timeout per run is 0h 05m 00s  
tst_test.c:1085: INFO: Timeout per run is 0h 03m 00s  
Test timeouted, sending SIGKILL!
```
Hi,

I'm seeing userspace program getting stuck on aarch64, on kernels 4.20 and newer. It stalls from seconds to hours.

I have simplified it to following scenario (reproducer linked below [1]):

while (1):
    spawn Thread 1: mmap, write, munmap
    spawn Thread 2: <nothing>
**mm: mmu_gather: remove __tlb_reset_range() for force flush**

A few new fields were added to mmu_gather to make TLB flush smarter for huge page by telling what level of page table is changed.

`__tlb_reset_range()` is used to reset all these page table state to unchanged, which is called by TLB flush for parallel mapping changes for the same range under non-exclusive lock (i.e. read mmap_sem).
KERNEL BUG - LTP MTEST06

[ 947.381898] page->mem_cgroup: ffff80bf39c28000
[ 947.386272]  ---------[ cut here ]--------
[ 947.390876] kernel BUG at mm/filemap.c:171!
[ 947.395049] Internal error: Oops - BUG: 0 [#1] SMP
[ 947.399828] Modules linked in: sctp tun brd fuse btrfs xo
libcrc32c ast i2c_algo_bit drm_kms_helper syscopyarea sy
[ 947.436498] CPU: 220 PID: 154292 Comm: mmap1 Not tainted
[ 947.443619] Hardware name: HPE Apollo 70 /C01
[ 947.453345] pstate: 40400089 (nZcv daIf +PAN -UA0)
[ 947.458138] pc : unaccount_page_cache_page+0x17c/0x1a0
[ 947.463263] lr : unaccount_page_cache_page+0x17c/0x1a0
[ 947.468387] sp : ffff00002d4a3950
[ 947.471689] x29: ffff00002d4a3950 x28: ffff7e02fa37e480
[ 947.476988] x27: ffff80be3d678ab8 x26: ffff0000116baf38
[ 947.482286] x25: ffff00001128f018 x24: ffff00002d4a3b80
[ 947.487585] x23: 0000000000000000 x22: 0000000000000000
[ 947.492884] x21: ffffffff00000000 x20: ffff80be3d678ab0
[ 947.498182] x19: ffff7e02fa37e480 x18: 0000000000000000
[ 947.503480] x17: 0000000000000000 x16: 0000000000000000
[ 947.508778] x15: 0000000000000000 x14: ffffffff0000
[ 947.514077] x13: ffff0000ad4a364f x12: ffff00002d4a3657
[ 947.519375] x11: ffff00001165000 x10: ffff000010e08b8
[ 947.524673] x9 : ffff0000118da000 x8 : 000000000000085a6
[ 947.529972] x7 : 000000000000000017 x6 : ffff0000118d9be8
[ 947.535270] x5 : 00000000000000000f x4 : ffff80bf5ce56248
[ 947.540568] x3 : ffff80bf5ce56248 x2 : 0000000000000000
[ 947.545866] x1 : 0000000000000006 x0 : 0000000000000021
<table>
<thead>
<tr>
<th>Line</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>947.381898</td>
<td>page-&gt;mem_cgroup:fff80bf39c28000</td>
</tr>
<tr>
<td>947.386272</td>
<td>---------[ cut here ]---------</td>
</tr>
<tr>
<td>947.390876</td>
<td>kernel BUG at mm/filemap.c:171!</td>
</tr>
<tr>
<td>947.395049</td>
<td>Internal error: Oops - BUG: 0 [#1] SMP</td>
</tr>
<tr>
<td>947.399828</td>
<td>Modules linked in: scpt tun brd fuse btrfs xo xfs librcc32c ast i2c_algo_bit drm_kms_helper syscopyarea sy</td>
</tr>
<tr>
<td>947.436498</td>
<td>CPU: 220 PID: 154292 Comm: mmap1 Not tainted</td>
</tr>
<tr>
<td>947.443619</td>
<td>Hardware name: HPE Apollo 70 /C01</td>
</tr>
<tr>
<td>947.453345</td>
<td>pstate: 40400009 (nZcv daIf +PAN -UAO)</td>
</tr>
<tr>
<td>947.458138</td>
<td>pc : unaccount_page_cache_page+0x17c/0x1a0</td>
</tr>
<tr>
<td>947.463263</td>
<td>lr : unaccount_page_cache_page+0x17c/0x1a0</td>
</tr>
<tr>
<td>947.468387</td>
<td>sp : ffffffff0000002d4a39f0</td>
</tr>
<tr>
<td>947.471689</td>
<td>x9 : ffffffff0000002d4a39f0 x8 : ffff7e02fa37e480</td>
</tr>
<tr>
<td>947.476988</td>
<td>x7 : ffffffff0000002d4a39f0 x6 : ffffffff000000116baf38</td>
</tr>
<tr>
<td>947.482286</td>
<td>x5 : ffffffff00001128f018 x4 : ffffffff000002d4a3b80</td>
</tr>
<tr>
<td>947.487585</td>
<td>x3 : 0000000000000000 x2 : 0000000000000000</td>
</tr>
<tr>
<td>947.492884</td>
<td>x1 : ffffffff0000000000000000 x0 : 0000000000000000</td>
</tr>
<tr>
<td>947.498182</td>
<td>ffffffff0000001165000 x10 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.503480</td>
<td>x17 : 0000000000000000 x16 : 0000000000000000</td>
</tr>
<tr>
<td>947.508778</td>
<td>x15 : 0000000000000000 x14 : ffffffff0000000000000000</td>
</tr>
<tr>
<td>947.514077</td>
<td>x13 : ffffffff0000001165000 x12 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.519375</td>
<td>x11 : ffffffff0000001165000 x10 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.524673</td>
<td>x9 : ffffffff0000001165000 x8 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.529972</td>
<td>x7 : ffffffff0000001165000 x6 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.535270</td>
<td>x5 : ffffffff0000001165000 x4 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.540568</td>
<td>x3 : ffffffff0000001165000 x2 : ffffffff0000001165000</td>
</tr>
<tr>
<td>947.545866</td>
<td>x1 : ffffffff0000001165000 x0 : ffffffff0000001165000</td>
</tr>
</tbody>
</table>

Call trace:

- unaccount_page_cache_page+0x17c/0x1a0
- delete_from_page_cache_batch+0xa0/0x300
- truncate_inode_pages_range+0x1b8/0x640
- truncate_inode_pages_final+0x88/0xa8
- evict+0x1a0/0x1d8
- iput+0x150/0x240
- dentry_unlink_inode+0x120/0x130
- __dentry_kill+0xd8/0x1d0
- __dentry_kill+0x88/0x248
- dput+0x168/0x1b8
- __fput+0xe8/0x208
- __fput+0x20/0x30
- task_work_run+0xc0/0xf0
- do_notify_resume+0x2b0/0x328
- work_pending+0x8/0x10
- Code: f006441 9113a021 f90013f5 9400e378 (d4)
- ---[ end trace 5070a013679ed7ef ]---
<table>
<thead>
<tr>
<th>author</th>
<th>Jan Stancek <a href="mailto:jstancek@redhat.com">jstancek@redhat.com</a></th>
<th>2019-07-18 10:51:25 +0200</th>
</tr>
</thead>
<tbody>
<tr>
<td>committer</td>
<td>Ingo Molnar <a href="mailto:mingo@kernel.org">mingo@kernel.org</a></td>
<td>2019-07-25 15:39:23 +0200</td>
</tr>
<tr>
<td>commit</td>
<td>e1b98fa316648420d0434d9ff5b92ad6609ba6c3 (patch)</td>
<td></td>
</tr>
<tr>
<td>tree</td>
<td>a618506f2c00131a3eb9e764ee4422311a2b2f4c</td>
<td></td>
</tr>
<tr>
<td>parent</td>
<td>78134300579a45f527ca173ec8fdb4701b69f16e (diff)</td>
<td></td>
</tr>
<tr>
<td>download</td>
<td>linux-e1b98fa316648420d0434d9ff5b92ad6609ba6c3.tar.gz</td>
<td></td>
</tr>
</tbody>
</table>

**locking/rwsem:** Add missing ACQUIRE to `read_slowpath` exit when

LTP mtest06 has been observed to occasionally hit "still mapped when deleted" and following BUG_ON on arm64.
locking/rwsem: Add missing ACQUIRE to read_slowpath exit when

LTP mtest06 has been observed to occasionally hit "still mapped when
deleted" and following BUG_ON on arm64.

Thanks for fixing this old problem.

This problem does not apply to x86 and we do our testing mostly on x86.
That is why we seldom notice this kind of issue. Maybe we should be
doing more testing on ARM64 and PPC.

Cheers,
Longman
Description of problem:

The apic-split and apic tests are both failing the following check:

FAIL: TMCCT should be reset to the initial-count

Important facts:

1. The failure goes away when the preemption timer is disabled
2. APICv support is disabled
3. Reproduction rate is 90% (yes, sometimes it works)

You'll find CPU information at the bottom of this description, and I'll attach the logs for the failing tests.
KERNAL BUG - KVM UNIT TESTS

author  Wei Huang <wei@redhat.com>  2018-12-03 14:13:32 -0600
committer Paolo Bonzini <pbonzini@redhat.com>  2018-12-14 18:00:00 +0100
commit  3d82c565a7a237b9dd4666f17c84dcc028d2bed5 (patch)
tree    d05719df1a37b94b9f48ce4b6be1050e6942159
parent  d7b09c827a6cf291f66637a36f46928dd1423184 (diff)
download linux-3d82c565a7a237b9dd4666f17c84dcc028d2bed5.tar.gz

kvm: vmx: add cpu into VMX preemption timer bug list

This patch adds Intel "Xeon CPU E3-1220 V2", with CPUID.01H.EAX=0x000306A8, into the list of known broken CPUs which fail to support VMX preemption timer. This bug was found while running the APIC timer test of kvm-unit-test on this specific CPU, even though the errata info can't be located in the public domain for this CPU.
We are seeing a timeout failure when the timer test of kvm-unit-test is running.

I am able to reproduce it on upstream 5.1.0-rc1 kernel. The test stalls at the end.
We are seeing a timeout failure when the timer test of kvm-unit-test is running.

I am able to reproduce it on upstream 5.1.0-rc1 kernel. The test stalls at the end.

**Hardware:** aarch64
KERNEL BUG - KVM UNIT TESTS

```bash
#!/arm-run /arm/timer.flat
/usr/libexec/qemu-kvm -nodefaults -machine virt,gic-version=host,accel=kvm
./arm/timer.flat # -initrd /tmp/tmp.RkD0zlWKv
CNTFRQ_EL0 : 0x00000000002faf080
CNTPCT_EL0 : 0x0000003a36a73ee
CNTP_CTL_EL0 : 0x0000000000000004
CNTP_CVAL_EL0: 0x0000000000000000
CNTVC_T_EL0 : 0x0000000000ac748c
CNTV_CTL_EL0 : 0x0000000000000000
CNTV_CVAL_EL0: 0x0000000000000000
PASS: vtimer-busy-loop: not pending before
PASS: vtimer-busy-loop: interrupt signal pending
INFO: vtimer-busy-loop: After timer: 0x0000000000b573a6
INFO: vtimer-busy-loop: Expected : 0x0000000000b573a6
INFO: vtimer-busy-loop: Difference : 0 us
PASS: vtimer-busy-loop: latency within 10 ms
PASS: vtimer-busy-loop: interrupt received
PASS: vtimer-busy-loop: interrupt received after TVAL/WFI
PASS: vtimer-busy-loop: timer has expired (-752)
PASS: ptimer-busy-loop: not pending before
PASS: ptimer-busy-loop: interrupt signal pending
```
KVM: arm/arm64: arch_timer: Fix CNTP_TVVAL calculation

Recently the generic timer test of kvm-unit-tests failed to complete (stalled) when a physical timer is being used. This issue is caused by incorrect update of CNTP_CVAL when CNTP_TVVAL is being accessed, introduced by 'Commit 84135d3d18da ("KVM: arm/arm64: consolidate arch timer trap handlers")'. According to Arm ARM, the read/write behavior of accesses to the TVVAL registers is expected to be:
Description of problem:
NULL pointer observed with block/006 on qualcomm-amberwing aarch64
Description of problem:
NULL pointer observed with block/006 on qualcomm-amberwing aarch64

[ 135.327250] run blktests block/006 at 2019-03-13 05:45:15
[ 135.342042] null: module loaded
[ 142.330954] Unable to handle kernel NULL pointer dereference at virtual ad
[ 142.338794] Mem abort info:
[ 142.341554]   ESR = 0x96000005
[ 142.344632]   Exception class = DABT (current EL), IL = 32 bits
[ 142.350500]   SET = 0, FnV = 0
[ 142.353544]   EA = 0, S1PTW = 0
[ 142.356678] Data abort info:
[ 142.359528]   ISV = 0, ISS = 0x00000005
[ 142.363343]   CM = 0, WnR = 0
[ 142.366305] user pgtable: 64k pages, 48-bit VAs, pgdp = 0000000002a3c51c0
[ 142.372983] [00000000000000330] pgd=0000000000000000, pud=0000000000000000
[ 142.379777] Internal error: Oops: 96000005 [#1] SMP
sbitmap: order READ/WRITE freed instance and setting clear bit

Inside sbitmap_queue_clear(), once the clear bit is set, it will be visible to allocation path immediately. Meantime READ/WRITE on old associated instance(such as request in case of blk-mq) may be out-of-order with the setting clear bit, so race with re-allocation may be triggered.

Adds one memory barrier for ordering READ/WRITE of the freed associated instance with setting clear bit for avoiding race with re-allocation.

The following kernel oops triggered by block/006 on aarch64 may be fixed:
Kernel 5.2.0-rc3 on an x86_64

[ 567.066143] run blktests block/006 at 2019-06-05 03:18:04
[ 567.089457] null: module loaded
[ 593.937235] BUG: unable to handle page fault for address: ffffffffccc0738110
[ 593.938442] #PF: supervisor read access in kernel mode
[ 593.939230] #PF: error_code(0x0000) - not-present page
[ 593.940011] PGD 11760f067 P4D 11760f067 PUD 117611067 PMD 12b61f067 PTE 0
[ 593.941048] Oops: 0000 [#1] SMP PTI
[ 593.941607] CPU: 0 PID: 1106 Comm: kworker/0:0 Not tainted 5.2.0-rc3 #1
Kernel 5.2.0-rc3 on an x86_64

[ 567.066143] run blktests block/006 at 2019-06-05 03:18:04
[ 567.089457] null: module loaded
[ 593.937235] BUG: unable to handle page fault for address: ffffffffff0738110
[ 593.938442] #PF: supervisor read access in kernel mode
[ 593.939230] #PF: error_code(0x0000) - not-present page
[ 593.940011] PGD 11760f067 P4D 11760f067 PUD 117611067 PMD 12b61f067 PTE 0
[ 593.941048] Oops: 0000 [#1] SMP PTI
[ 593.941607] CPU: 0 PID: 1106 Comm: kworker/0:0 Not tainted 5.2.0-rc3 #1

000000000000000400

[ 593.959452] Call Trace:
[ 593.959877] blk_mq_sched_tags_teardown+0x40/0x70
[ 593.960628] blk_mq_exit_sched+0x88/0xaf0
[ 593.961246] elevator_exit+0x30/0x50
[ 593.961817] __blk_release_queue+0x5c/0x100
[ 593.962497] process_one_work+0x1a1/0x3a0
[ 593.963138] worker_thread+0x30/0x380
[ 593.963714] ? pwq_unbound_release_workfn+0xd0/0xd0
[ 593.964479] kthread+0x112/0x130
[ 593.964992] ? __kthread_parkme+0x70/0x70
[ 593.965641] ret_from_fork+0x35/0x40
Kernel 5.2.0-rc3 on an x86_64

[567.066143] run blktests block/006 at 2019-06-05 03:18:04
[567.089457] null: module loaded
[593.937235] BUG: unable to handle page fault for address: ffffffff87201100
[593.962497] process_one_work+0x1a1/0x3a0
[593.963138] worker_thread+0x30/0x380
[593.963714] ? pwq_unbound_release_workfn+0xd0/0xd0
[593.964479] kthread+0x112/0x130
[593.964992] ? __kthread_parkme+0x70/0x70
[593.965641] ret_from_fork+0x35/0x40

block: free sched's request pool in blk_cleanup_queue

In theory, IO scheduler belongs to request queue, and the request pool of sched tags belongs to the request queue too.
2) zipl fails when default kernel is a cki kernel 5.0.10-rc1-0b5a71d.cki.

```bash
# grubby --set-default=/boot/vmlinuz-5.0.10-rc1-0b5a71d.cki
The default is /boot/loader/entries/5b31cb59da654234bb2f1c26ce7dc730-5.0.10-rc1-0b5a71d.cki.conf with index rc1-0b5a71d.cki
[root@ibm-z-137 ~]# cat /etc/zipl.conf
[defaultboot]
defaultauto
prompt=1
timeout=5
target=/boot
default=(5.0.10-rc1-0b5a71d.cki)
[root@ibm-z-137 ~]# zipl
Using config file '/etc/zipl.conf'
Using BLS config file '/boot/loader/entries/5b31cb59da654234bb2f1c26ce7dc730-5.0.10-rc1-0b5a71d.cki.conf'
Using BLS config file '/boot/loader/entries/5b31cb59da654234bb2f1c26ce7dc730-4.18.0-80.el8.s390x.conf'
Using BLS config file '/boot/loader/entries/5b31cb59da654234bb2f1c26ce7dc730-0-rescue.conf'
Error: Config file '/etc/zipl.conf': Line 6: no such section '(5.0.10-rc1-0b5a71d.cki)'
Description of problem:
If the 'title' field in a BLS file contains trailing spaces and it's set as the default entry, zipl fails since isn't able to find the entry with that title.

Version-Release number of selected component (if applicable):
s390utils-base-2.6.0-14.el8.s390x

How reproducible:

Steps to Reproduce:
1. Append a space to the title field of a BLS entry, i.e: /boot/loader/entries/$(cat /etc/machine-id)-$(uname -r).conf.
2. Set that entry as the default, i.e: grubby --set-default /boot/vmlinux-$(uname -r
3. Run zipl.
On Mon, Feb 04, 2019 at 01:26:40AM -0500, CKI wrote:

Hello,

We ran automated tests on a patchset that was proposed for merging into this kernel tree. The patches were applied to:

Commit: 65f42a73e553 Linux 4.20.6

The results of these automated tests are provided below.

Overall result: FAILED (see details below)
Patch merge: OK
Compile: FAILED

Should be fixed now, sorry about that. Your failure message came back faster than my internal build systems caught this. I think I need to upgrade my build system :)

thanks,

greg k-h
The results of these automated tests are provided below.

Overall result: FAILED (see details below)
Merge: FAILED

When we attempted to merge the patchset, we received an error:

error: patch failed: drivers/md/md.c:9227
error: drivers/md/md.c: patch does not apply
hint: Use 'git am --show-current-patch' to see the failed patch
Applying: md: add a missing endianness conversion in check_sb_changes
Patch failed at 0001 md: add a missing endianness conversion in check_sb_changes

My fault, this should be dropped, my build scripts don't error out, they just ignore this type of problem. I should fix that...

I'll go fix this now, thanks.

greg k-h
Overall result: FAILED (see details below)

Merge: OK

Compile: FAILED

We attempted to compile the kernel for multiple architectures, but the compile failed on one or more architectures:

ppc64le: FAILED (see build-ppc64le.log.xz attachment)

My fault, I added a patch that should not have been backported to 4.19. I've now dropped it, hopefully this should resolve the error.

Thanks for the report, much appreciated!

greg k-h
The results of these automated tests are provided below.

Overall result: FAILED (see details below)
  Merge: FAILED

When we attempted to merge the patchset, we received an error:

error: patch failed: net/ipv6/ip6_flowlabel.c:254
error: net/ipv6/ip6_flowlabel.c: patch does not apply
hint: Use 'git am --show-current-patch' to see the failed patch
Applying: ipv6: flowlabel: fl6_sock_lookup() must use atomic_inc_r
Patch failed at 0001 ipv6: flowlabel: fl6_sock_lookup() must use a

Looks like Sasha's last push had a bunch of duplicates in it. I've fixed this up for the 5.1 queue now and will go work on the others...

thanks,

greg k-h
We ran automated tests on a recent commit from this kernel tree:

Commit: 5592f5bf010b Linux 4.20.4-rc1

The results of these automated tests are provided below.

Overall result: FAILED (see details below)
  Patch merge: OK
  Compile: OK
  Kernel tests: FAILED

One or more kernel tests failed:

  s390x: FAILED
    Test name: Boot test

  powerpc64le: FAILED
    Test name: Boot test

  aarch64: FAILED
    Test name: Boot test
ACCIDENT IN THE MINE

[ 2.947836] CPU: 0 PID: 1 Comm: swapper/0 Not tainted 4.20.4-rc1.cki+
[ 2.963850] Call trace:
[ 2.966286] dump_backtrace+0x0/0x158
[ 2.969930] show_stack+0x24/0x30
[ 2.973228] dump_stack+0x90/0xb4
[ 2.976526] panic+0x12c/0x294
[ 2.979565] _cpu_down+0x0/0x228
[ 2.982776] ret_from_fork+0x10/0x18
[ 2.986337] SMP: stopping secondary CPUs
[ 2.993711] CPU features: 0x0,20802000
[ 3.000481] ---[ end Kernel panic - not syncing: boot canary hit ]---
/*
 * If you notice this, your test infrastructure succeeded in finding a
 * failure, congratulations
 */

panic("boot canary hit");


Compile bugs

- ppc64le compilation failing on 4.19.44-rc1 stable kernels
  - See email thread for details
  - Not present in mainline, commit `42e2acde1237` was backported into 4.19.44 release to resolve the issue

Bugs found by boot testing

- Firmware issue with Ampere systems causing SATA errors
  - Bug 1738660
  - Bug resolved with firmware version 4.9.18, workaround created for systems with older firmware
- Firmware issue with Cavium and Gigabyte systems causing IOMMU and SATA issues
  - Bug 1734557
  - Problems determined to start with kernel 5.2 (commit `954083be031`), firmware needs to be updated to account for changes (kernel command line workarounds can be used in the meanwhile)

Bugs found by LTP

- Hugepage migration bug found with `move_pages12` test
  - NULL pointer dereference with 4.20+ kernels
  - See email thread for details
  - Fixed with commit `ddeaab32a89` in 5.0-rc2
- Userspace getting stuck on 4.20+ kernels on aarch64 with `mtest96` test
  - See email thread for details
  - Fixed with commit `7a30df40f63a` in 5.2-rc5
- Ooops hit on aarch64 with `mtest06` on 4.20+
  - See email thread and initial GitHub issue for details
  - Fixed with `e1b98fa31664` in 5.3-rc2
- Corrupted directory during `statx04`
  - Patch proposed in this thread, no resolution yet

Bugs found by blktests

- block/001 and block/023 triggering a warning in `fs/block_dev.c`
  - Issue started with 5.3-rc3, determined to be caused by commit `89e524-04f`
  - See the email thread for details of block/001 failure (aarch64)
  - See this Fedora bug for the details of block/023 failure (ppc64le)
  - Fixed with commit `e91455b5de5` in 5.3-rc4
- block/006 triggering a panic on 5.2-rc3 kernels
  - See email thread for details
  - Fixed with `e3e2219216` in 5.2-rc4

Bugs found by networking tests

- NULL pointer dereference in stable queue, fixed by removal of patches that caused the issue from the queue
  - See the email thread for more details

Bugs found by KVM tests

- Timer test failing on 5.1-rc1 on aarch64
  - Patch posted and merges as commit `8fa7032482` in v5.1
- apic-split and apic tests failing TMCCT check on Xeon CPUs
  - Originally discovered on 4.18 kernels
  - Fixed with commit `3482c3465a02` in 5.0-rc1
- `vmware_backdoor` test failing, regression introduced in 5.1-rc6
  - No resolution yet (that I know of), `internal bz`
- sum test failing on AMD on 5.2-rc3 kernels
  - See email thread with proposed fix for details
  - Fixed with `813935c76e1` in 5.3-rc1

See https://gitlab.com/cki-project/found-bugs
PIPELINES
Lint
Merge
Build
Test
Review

Pipeline Jobs 19

Review:
- dont send report
- report sent aut...
- retried
- send report

Lint:
- checkpatchdep
- rhcheckpatch

Merge:
- merge

Build:
- build ppc64
- build ppc64le
- build s390x
- build x86_64

Publish:
- publish ppc64
- publish ppc64le
- publish s390x
- publish x86_64

Test:
- test ppc64
- test ppc64le
- test s390x
- test x86_64

Dotted arrows connect Lint, Merge, Build, Publish, Test, and Review.
STABLE QUEUE 🔔 TRIGGER

Configuration

GitLab

Merge ➔ Build ➔ Test

stable/linux.git
- linux-4.14.y
- linux-4.19.y
- linux-5.2.y

stable/stable-queue.git
- queue-4.14.y
- queue-4.19.y
- queue-5.2
  - series
  - 001.patch
  - 002.patch
DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
DEBUG COPR build for libetonyek-0.1.9-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
DEBUG COPR build for libetonyek-0.1.9-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
DEBUG COPR build for libetonyek-0.1.9-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813447: A build completed!
INFO 35813447: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813447: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacatcy-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacatcy-3.22.24-2.fc31.src.rpm not configured!
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
GitHub/GitLab bot

TRIGGER

PR/MR

🎉 fix foo

GitHub/GitLab repo
PR/MR

👨‍💻 fix foo

🤖 ask me to test!

GitHub/GitLab repo
GitHub/GitLab Bot | Trigger

PR/MR

🌟 fix foo

🤖 ask me to test!

🌟 test please, 🚀!

🤖 testing now!

GitHub/GitLab repo
GitHub/GitLab repo

PR/MR

- fix foo
- ask me to test!
- test please, 🚀!
- testing now!

RHEL7

- Merge ➔ Build ➔ Test
GitHub/GitLab repo

PR/MR

.fix foo

.ask me to test!

.test please, 🚀!

.testing now!

... ⌁ ⌁ ...

RHEL7

Merge ➔ Build ➔ Test

RHEL8

Merge ➔ Build ➔ Test

GitHub/GitLab bot 🛡️ TRIGGER
GitHub/GitLab repo

PR/MR

- 🧑‍💻 fix foo
- 🤖 ask me to test!
- 👨‍🔬 test please, 🤖!
- 🌐 testing now!
- ⚒️ ... 🍽️ ...

RHEL7
- Merge → Build → Test

RHEL8
- Merge → Build → Test

stable
- Merge → Build → Test
GitHub/GitLab bot trigger

GitHub/GitLab repo

PR/MR
- fix foo
- ask me to test!
- test please, 🤖!
- testing now!
- ... 😄...
- passed, ACK👍

RHEL7
- Merge ➔ Build ➔ Test

RHEL8
- Merge ➔ Build ➔ Test

Stable
- Merge ➔ Build ➔ Test
TRIGGERING

Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger

Pipeline Repo

stable

rhel7
Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger

Pipeline Repo

stable
- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2

rhe17
- Baseline: rhe17 master
Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger

Pipeline Repo

stable
- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rheil7
- Baseline: rheil7 master
- Patch: rheil77: Fix that ...
- Retrigger: test-kpet-c1c4f1
**Pipeline Repo**

**TRIGGERING**

- **stable**
  - Baseline: stable linux-5.2.y
  - Stable queue: queue-5.2
  - Retrigger: test-kpet-c1c4f1

- **rhe17**
  - Baseline: rhe17 master
  - Patch: rhe177: Fix that ...
  - Retrigger: test-kpet-c1c4f1

-Pipeline Repo-
Pipeline Repo

stable
- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rhe17
- Baseline: rhe17 master
- Patch: rhe177: Fix that ...
- Retrigger: test-kpet-c1c4f1
<table>
<thead>
<tr>
<th>Date</th>
<th>Commits Count</th>
<th>Commit Message</th>
<th>Baseline</th>
<th>Author</th>
<th>SHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Aug, 2019</td>
<td>4</td>
<td>Stable queue: queue-5.2</td>
<td></td>
<td>CKI Bot</td>
<td>666ec71b</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Retrigger: test-kpet-db-367c0556</td>
<td></td>
<td>CKI Bot</td>
<td>edddf5e4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stable queue: queue-5.2</td>
<td></td>
<td>CKI Bot</td>
<td>a8e857e6</td>
</tr>
<tr>
<td>29 Aug, 2019</td>
<td>7</td>
<td>Retrigger: test-kpet-db-7602e199</td>
<td></td>
<td>CKI Bot</td>
<td>7b0da6d5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stable queue: queue-5.2</td>
<td></td>
<td>CKI Bot</td>
<td>53c31032</td>
</tr>
<tr>
<td>28 Aug, 2019</td>
<td>13</td>
<td>Retrigger test-tests-beaker@kpkginstall-install-debug-kernels: Baseline</td>
<td></td>
<td>CKI Bot</td>
<td>6b97765d</td>
</tr>
</tbody>
</table>
TRIGGERING

Pipeline Repo

stable
- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rhel7
- Baseline: rhel7 master
- Patch: rhel77: Fix that ...
- Retrigger: test-kpet-c1c4f1
### Commits

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Author</th>
<th>Commit ID</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>05 Sep, 2019 15 commits</td>
<td><strong>Patch: rhel77: [RHEL 7.7 PATCH BZ 123456 v5 6/6] Fix one thing</strong></td>
<td>CKI Bot</td>
<td>869cedc5</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td><strong>Retrigger: test-kpet-db-9d1de29b</strong></td>
<td>CKI Bot</td>
<td>e6a18628</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td><strong>Patch: rhel77: [PATCH RHEL7 BZ3332211] Remove another thing</strong></td>
<td>CKI Bot</td>
<td>e253f2cb</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td><strong>Baseline: rhel7 master:8940242d9c96</strong></td>
<td>CKI Bot</td>
<td>0db89043</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td><strong>Patch: rhel77: [RHEL7.7 BZ 1112233] Add something</strong></td>
<td>CKI Bot</td>
<td>3fdba51d</td>
<td>✔️</td>
</tr>
<tr>
<td>04 Sep, 2019 15 commits</td>
<td><strong>Patch: rhel77: [RHEL7.7 PATCH 2/2] Redo everything</strong></td>
<td>CKI Bot</td>
<td>a16ff900</td>
<td>✔️</td>
</tr>
</tbody>
</table>
TRIGGERING

Pipeline Repo

stable
- Baseline: stable linux-5.2
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rhel7
- Baseline: rhel7 master
- Patch: rhel77: Fix that ...
- Retrigger: test-kpet-c1c4f1
Baseline: stable linux-5.2.y:9f631715ffe6

```plaintext
commit_hash = 9f631715ffe68666bbe4c5f7ad0dfc1ed387e1a1
cki_pipeline_id = 10c8e695bc0f25088541c1f3e108be29d4278a4d3063b0ebf6d95998ad376375
branch = linux-5.2.y
name = stable
cki_pipeline_type = baseline
make_target = targz-pkg
title = Baseline: stable linux-5.2.y:9f631715ffe6
mail_bcc = skt-results-redacted@redhat.com
```
TRIGGERING

Pipeline Repo

stable
- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rhel7
- Baseline: rhel7 master
- Patch: rhel77: Fix that ...
- Retrigger: test-kpet-c1c4f1
Commit c7060e6c authored 1 week ago by CKI Bot

Baseline: rhel7 master:e26d7b454cc2

git_url = http://redacted.redhat.com/git/rhel7.git
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = rhel7
mail_to = redacted-list@redhat.com
mail_bcc = skt-results-redacted@redhat.com
mail_from = CKI Project <cki-project@redhat.com>
mail_add_maintainers_to = cc
require_manual_review = True
send_report_on_success = False
make_target = rpm
report_types = email
commit_hash = e26d7b454cc2a87f99966a80e32d953b353e1fa7
cki_pipeline_id = 4ad8925d43db8b23b89bce90a75be5d26fc2479d43c2e526c83adcd344dc33c2
branch = master
name = rhel7
cki_pipeline_type = baseline
title = Baseline: rhel7 master:e26d7b454cc2
Commit 0396c481 authored 7 hours ago by CKI Bot

Stable queue: queue-5.2

cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = upstream-stable
mail_to = Linux Stable maillist <stable@vger.kernel.org>
mail_from = CKI Project <cki-project@redhat.com>
min_commit_age = 3
cki_pipeline_type = stable_queue
branch = linux-5.2.y
queue_dir = queue-5.2
name = stable_queue_5.2
queue_commit_hash = 54831dad38d2931bcf79f65539377730d838c81e
commit_hash = f7d5b3dc4792a5fe0a4d6b8106a8f3eb20c3c24c
cki_pipeline_id = 7d45d164480a5e1db2b69c2520cb0853d01ce389db4ff653df161277a5953448
make_target = tarxz-pkg
title = Stable queue: queue-5.2
subject = Stable queue: queue-5.2
mail_bcc = skt-results-redacted@redhat.com
**Pipeline Repo**

- **stable**
  - Baseline: stable linux-5.2.y
  - Stable queue: queue-5.2
  - Retrigger: test-kpet-c1c4f1

- **rhel7**
  - Baseline: rhel7 master
  - Patch: rhel77: Fix that ...
  - Retrigger: test-kpet-c1c4f1
Patch: rhel77: [PATCH rhel7 5/5] Fix that thing

git_url = http://redacted.redhat.com/git/rhel7.git
branch = master
ckl_project = CKI-project/ckl-pipeline
ckl_pipeline_branch = rhel7
mail_to = skt-results-redacted@redhat.com, devl@redhat.com, dev2@redhat.com, qal@redhat.com
mail_from = project@ckl-project@redhat.com
report_types = email
patchwork_url = http://redacted.redhat.com
patchwork_project = rhel-77
ckl_pipeline_type = patchwork
name = rhel77
commit_hash = 1fd9306e354e75524a35fd3fa5074826a2f03c44
skipped_series =
patch_urls = http://redacted.redhat.com/patch/1503902/mbox/
submitter = devl@redhat.com
title = rhel77: [PATCH rhel7 5/5] Fix that thing
message_id = <86ef36e872b0227253110c1b744dc8d65f4ed4.1566578011.git.dev1@redhat.com>
subject = Re: rhel77: [PATCH rhel7 5/5] Fix that thing
date = 2019-08-23T16:46:26
cover_letter = http://redacted.redhat.com/cover/1503898/mbox/
Pipeline Repo

stable

- Baseline: stable linux-5.2.y
- Stable queue: queue-5.2
- Retrigger: test-kpet-c1c4f1

rheil7

- Baseline: rheil7 master
- Patch: rheil77: Fix that ...
- Retrigger: test-kpet-c1c4f1

Pipeline Repo
Commit 8a715b7e authored 17 hours ago by CKI Bot

Retrigger: test-kpet-db-c1c4f100

branch = linux-5.2.y
cki_pipeline_branch = upstream-stable
cki_pipeline_id = 95c52e8f8f1be02f1d49c62246b4388b1cf6a42b82e6c330e49ab30b
require_maint_review = False
title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cee.redhat.com/cki-project/kpet-db/-/archive/clc4f100/kp
tmail_cc =
send_report_to_upstream = false
skip_beaker = false
send_pre_test_notification = False
subject = Retrigger: Baseline: stable linux-5.2.y:f7d5b3dc4792

skip_build = true
skip_merge = true
skip_createrepo = true
ARTIFACT_URL_x86_64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/-/jobs/
ARTIFACT_URL_aarch64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/-/jobs/
ARTIFACT_URL_ppc64le = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/-/jobs/
ARTIFACT_URL_s390x = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/-/jobs/2

This GitLab server is powered by CKI and love 😍
**TRIGGERING**

- **stable**
  - Baseline: stable linux-5.2.y
  - Stable queue: queue-5.2
  - Retrigger: test-kpet-c1c4f1

- **rhel7**
  - Baseline: rhel7 master
  - Patch: rhel77: Fix that ...
  - Retrigger: test-kpet-c1c4f1

**Pipeline Repo**
Commit 45eaf2e0 authored 18 hours ago by CKI Bot

Retrigger: test-kpet-db-c1c4f100

branch = master
cki_pipeline_branch = rhel7
cki_pipeline_id = fe33bd259b465c8f1855274d38ad448f23274f88ff594a55

title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cce.redhat.com/cki-project/kpet-db/-/archive/clc
mail_cc =
send_report_to_upstream = false
skip_beaker = false
send_pre_test_notification = False
subject = Retrigger: Baseline: rhel7 master:0e377d29627a
skip_rhcheckpatch = true
skip_build = true
skip_merge = true
skip_createrepo = true
ARTIFACT_URL_x86_64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline
ARTIFACT_URL_ppc64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
ARTIFACT_URL_ppc64le = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
ARTIFACT_URL_s390x = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
TRIGGERING

Pipeline Repo

- `rhel7`
  - `.gitlab-ci.yml`
- `rhel8`
  - `.gitlab-ci.yml`
- `stable`
  - `.gitlab-ci.yml`

Definition Repo

- `Trees`
  - `rhel7.yml`
  - `rhel8.yml`
  - `stable.yml`
  - `...`
- `cki_pipeline.yml`
KPET-DB ➔ YAML ➔ Beaker

KPET

diff --
index b
--- a/a
+++ b/a
@@ -149
KPET-DB → YAML → KPET → XML → Beaker

KPET: kernel patch-evaluated testing
KPET-DB → YAML → KPET → XML → Beaker
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>

pattern:
  sets:
    or:
    - ktl
    - virt
  sources:
    or:
    - arch/arm64/include/(uapi/)?asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.h\arch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/timercnt
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*

arches:
  or:
  - x86_64
  - aarch64
  - ppc64le
  - s390x

trees:
  or:
  - rhe18
  - ark

cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
**SUITE DATA**

**description:** 'KVM Unit Tests'

**url_suffix:** `vm/kvm-unit-tests`

**host_type_regex:** `bare_metal`

**hostRequires:** `suites/vm/kvm/unit/hostrequires.xml.j2`

**maintainers:**
- Marcelo Condotta <mbandeir@redhat.com>

**pattern:**

**sets:**

**or:**
- ktl
- virt

**sources:**

**or:**
- `arch/arm64/include/(uapi/)asm/kvm.*.h`
- `arch/arm64/include/asm/{cpufeature,hlarch_timer}.h`
- `arch/arm64/kernel/cpufeature.c`
- `arch/arm64/mm/`
- `drivers/clocksource/arm_arch_timer.c`
- `drivers/irqchip/*.c`

**arches:**

**or:**
- x86_64
- aarch64
- ppc64le
- s390x

**trees:**

**or:**
- `rhe18`
- `ark`

**cases:**

**name:** 'KVM Unit Tests'

**max_duration_seconds:** 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
      - ktl
      - virt
sources:
  or:
    - arch/arm64/include/(uapi/)?asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.harch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/timer/kvm_timer_iommu.c
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*
arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhel8
    - arkt
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
SUITE DATA

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'

Branch: master

**tests-beaker** / **vm** / **kvm-unit-tests** /

- **mcondotta** and **veruu** vm/kvm-unit-tests: Increase the timeout for the sieve

- ..

- **Makefile**

  Add nmap-ncat for KVM unit tests

  - aarch64
  - ppc64le
  - s390x

  **trees:**
  - or:
    - rhel8
    - ark

  **cases:**
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
SUITE DATA

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostrequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
      - ktl
      - virt
  sources:
    or:
      - arch/arm64/include/(uapi/)?asm/kvm.*.h
      - arch/arm64/include/asm/(cpufeature.h|arch_timer.h)
      - arch/arm64/kernel/cpufeature.c
      - arch/arm64/timer.c
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/.*
arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhel8
    - rd

cases:
  name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare-metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
      - ktl
      - virt
  sources:
    or:
      - arch/arm64/include/(uapi)/(asm/kvm.*.h
      - arch/arm64/include/asm/(cpufeature.h)arch_timer.h
      - arch/arm64/kernel/cpufeature.c
      - arch/arm64/drivers/...timer.c
      - drivers/clocksource/...ch_timer.c
      - drivers/irqchip/*
  arches:
    or:
      - x86_64
      - aarch64
      - ppc64le
      - s390x
trees:
  or:
    - rhel8
    - rhel9
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2

{% if ARCH == "aarch64" %}
  <not>
    <or>
      <hostname op="like" value="mustangZ"/>
      <hostname op="like" value="hpZmoonshot-"/>
    </or>
  </not>
{% endif %}

- arch/arm64/include/asm/(cpufeature.h|arch_timer.h)
- arch/arm64/kernel/cpufeature.c
- arch/arm64/%
- drivers/clocksource/arm_arch_timer.c
- drivers/irqchip/.*

arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x

trees:
  or:
    - rhel8
    - ar

cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bareMetal
hostRequires: suites/vm/kvm/unit/hostrequires.xml

maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>

pattern:
  sets:
    or:
      - ktl
      - virt

sources:
  or:
    - arch/arm64/include/(uapi/)?asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.harch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/time.c
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*

arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x

trees:
  or:
    - rhel8
    - ark

cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare-metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>

pattern:
  sets:
    or:
    - ktl
    - virt
  sources:
    or:
    - arch/arm64/include/(uapi/)?asm/kvm.*.h
    - arch/arm64/include/asm/$(cpufeature.h)arch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/irq
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/*.h

arches:
  or:
  - x86_64
  - aarch64
  - ppc64le
  - s390x

trees:
  or:
  - rhel8
  - ar

cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
    - ktl
    - virt
  sources:
    or:
    - arch/arm64/include/(uapi/)asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.h|arch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/code/.
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*
arches:
  or:
  - x86_64
  - aarch64
  - ppc64le
  - s390x
trees:
  or:
  - rhe18
  - rail
cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
```
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare-metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
      - kt1
      - virt

sources:
  or:
    - arch/arm64/include/(uapi/)?asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.harch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/vm/feature.c
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*

arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhel8
    - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
```
<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>description</td>
<td>'KVM Unit Tests'</td>
</tr>
<tr>
<td>url_suffix</td>
<td>'vm/kvm-unit-tests'</td>
</tr>
<tr>
<td>host_type_regex</td>
<td>bare_metal</td>
</tr>
<tr>
<td>hostRequires</td>
<td>suites/vm/kvm/unit/hostrequires.xml.j2</td>
</tr>
<tr>
<td>maintainers</td>
<td>- Marcelo Condotta <a href="mailto:mbandeir@redhat.com">mbandeir@redhat.com</a></td>
</tr>
<tr>
<td>pattern</td>
<td></td>
</tr>
<tr>
<td>sets</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- ktl</td>
</tr>
<tr>
<td></td>
<td>- virt</td>
</tr>
<tr>
<td>sources</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- arch/arm64/include/(uapi/)?asm/kvm.*.h</td>
</tr>
<tr>
<td></td>
<td>- arch/arm64/include/asm/{cpufeature.harch_timer.h}</td>
</tr>
<tr>
<td></td>
<td>- arch/arm64/kernel/cpufeature.c</td>
</tr>
<tr>
<td></td>
<td>- arch/arm64/timer.c</td>
</tr>
<tr>
<td></td>
<td>- drivers/clocksourcemodule/arm_arch_timer.c</td>
</tr>
<tr>
<td></td>
<td>- drivers/irqchip/*.c</td>
</tr>
<tr>
<td>arches</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- x86_64</td>
</tr>
<tr>
<td></td>
<td>- aarch64</td>
</tr>
<tr>
<td></td>
<td>- ppc64le</td>
</tr>
<tr>
<td></td>
<td>- s390x</td>
</tr>
<tr>
<td>trees</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- rhel8</td>
</tr>
<tr>
<td></td>
<td>- arke</td>
</tr>
<tr>
<td>cases</td>
<td></td>
</tr>
<tr>
<td>name</td>
<td>'KVM Unit Tests'</td>
</tr>
<tr>
<td>max_duration_seconds</td>
<td>1200</td>
</tr>
</tbody>
</table>
**SUITE DATA**

```

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
      - ktl
      - virt
  sources:
    or:
      - arch/arm64/include/(uapi/)?asm/kvm.*.h
      - arch/arm64/include/asm/(cpufeature.harch_timer.h)
      - arch/arm64/kernel/cpufeature.c
      - arch/arm64/drivers
        - drivers/clocksource/arm_arch_timer.c
        - drivers/irqchip/.*
  arches:
    or:
      - x86_64
      - aarch64
      - ppc64le
      - s390x

trees:
  or:
    - rhel8
    - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
```
SUITE DATA

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>
pattern:
  sets:
    or:
    - ktl
    - virt
sources:
  or:
  - arch/arm64/include/(uapi/)?asm/kvm.*.h
  - arch/arm64/include/asm/(cpufeature.harch_timer.h)
  - arch/arm64/kernel/cpufeature.c
  - arch/arm64/kt1.h
  - drivers/clocksource/arm_arch_timer.c
  - drivers/irqchip/.*
arches:
  or:
  - x86_64
  - aarch64
  - ppc64le
  - s390x
trees:
  or:
  - rhel8
  - ark
cases:
  - name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'Networking route_func tests'
url_suffix: '/networking/route/route_func'
maintainers:
  - Jianlin Shi <jishi@redhat.com>
pattern:
  sets:
    or:
    - net
    - net/ipv6/ip_rib.c
cases:
  - name: 'Networking route_func: local'
    max_duration_seconds: 2700
    waived: true
    environment:
      TEST_TYPE: netns
      TEST_TOPO: default
      ROUTE_MODE: local
      TEST_ITEMS:
        route_prefix_test route_selector_test
        route_options_test route_addr_test rule_test
  - name: 'Networking route_func: forward'
    max_duration_seconds: 2700
    waived: true
    environment:
      TEST_TYPE: netns
      TEST_TOPO: default
      ROUTE_MODE: forward
      TEST_ITEMS:
        route_prefix_test route_selector_test
        route_options_test route_addr_test rule_test
SUITE DATA

description: 'Networking route_func tests'
url_suffix: '/networking/route/route_func'
maintainers:
  - Jianlin Shi <jishi@redhat.com>
pattern:
  sets:
    or:
      - net
      - k1
      - net/ipv6/ip rules.c

cases:
  - name: 'Networking route_func: local'
    max_duration_seconds: 2700
    waived: true
    environment:
      TEST_TYPE: netns
      TEST_TOPO: default
      ROUTE_MODE: local
      TEST_ITEMS: >
        route_prefix_test route_selector_test
        route_options_test route_addr_test rule_test
  - name: 'Networking route_func: forward'
    max_duration_seconds: 2700
    waived: true
    environment:
      TEST_TYPE: netns
      TEST_TOPO: default
      ROUTE_MODE: forward
      TEST_ITEMS: >
        route_prefix_test route_selector_test
        route_options_test route_addr_test rule_test
**SUITE DATA**

description: 'Networking route_func tests'
url_suffix: '/networking/route/route_func'
maintainers:  
  - Jianlin Shi <jishi@redhat.com>
pattern:  
ssets:  
or:  
  - net
  +1
  - net/ipv6/ipv6_tbl.c
cases:  
  - name: 'Networking route_func: local'
    max_duration_seconds: 2700
    waived: true
    environment:  
      TEST_TYPE: netns  
      TEST_TOPO: default  
      ROUTE_MODE: local  
      TEST_ITEMS: >  
                   route_prefix_test route_selector_test  
                   route_options_test route_addr_test rule_test
  - name: 'Networking route_func: forward'
    max_duration_seconds: 2700
    waived: true
    environment:  
      TEST_TYPE: netns  
      TEST_TOPO: default  
      ROUTE_MODE: forward  
      TEST_ITEMS: >  
                   route_prefix_test route_selector_test  
                   route_options_test route_addr_test rule_test
description: 'Networking route_func tests'
url_suffix: '/networking/route/route_func'
maintainers:
  - Jianlin Shi <jishi@redhat.com>
pattern:
  sets:
    or:
      - net
      - net/ipv6/ip_rib.c
  cases:
    - name: 'Networking route_func: local'
      max_duration_seconds: 2700
      waived: true
      environment:
        TEST_TYPE: netns
        TEST_TOPO: default
        ROUTE_MODE: local
        TEST_ITEMS: >
          route_prefix_test route_selector_test
          route_options_test route_addr_test rule_test
    - name: 'Networking route_func: forward'
      max_duration_seconds: 2700
      waived: true
      environment:
        TEST_TYPE: netns
        TEST_TOPO: default
        ROUTE_MODE: forward
        TEST_ITEMS: >
          route_prefix_test route_selector_test
          route_options_test route_addr_test rule_test
$ kpet run print-test-cases -t upstream -a x86_64 | column
$ kpet run print-test-cases -t upstream -a x86_64 | column

AMTU (Abstract Machine Test Utility)
CIFS Connectathon
Ethernet drivers sanity
IOMMU boot test
LTP lite
LTP: openposix test suite
Loopdev Sanity
Memory function: kaslr
Memory function: memfd_create
Networking MACsec: sanity
Networking TCP: keepalive test
Networking UDP: socket
Networking bridge: sanity
Networking ipsec: basic netns transport
Networking ipsec: basic netns tunnel
Networking route: pm tu
Networking route_func: forward
Networking route_func: local
Networking sc tp-auth: sockets test
Networking socket: fuzz
Networking tunnel: geneve basic test
Networking tunnel: gre basic
Networking tunnel: vxlan basic
Networking vnic: ipvlan/basic
Networking: igmp conformance test
Podman system integration test (as root)
Podman system integration test (as user)
Storage SAN device stress - megaraid_sas
Storage SAN device stress - mpt3sas driver
Storage blktests
Usrex - version 1.9-29
audit: audit testsuite test
httpd: mod_ssl smoke sanity
iotop: sanity
jvm test suite
lvm thinp sanity
pciutils: sanity smoke test
selinux-policy: serge-testsuite
storage: SCSI VPD
storage: software RAID testing
stress: stress-ng
trace: ftrace/tracer
tuned: tune-processes-through-perf
xfstests: ext4
xfstests: xfs

$
$ kpet run print-test-cases -t upstream -a x86_64 1 column

AMTU (Abstract Machine Test Utility)
CIFS Connectathon
Ethernet drivers sanity
IOMMU boot test
LTP lite
LTP: openposix test suite
Loopdev Sanity
Memory function: kaslr
Memory function: memfd_create
Networking MACsec: sanity
Networking TCP: keepalive test
Networking UDP: socket
Networking bridge: sanity
Networking ipsec: basic netns transport
Networking ipsec: basic netns tunnel
Networking route: pmtu
Networking route_func: forward
Networking route_func: local
Networking scctp-auth: sockopts test
Networking socket: fuzz
Networking tunnel: geneve basic test
Networking tunnel: gre basic
Networking tunnel: vxlan basic

$ kpet run print-test-cases -t upstream -a x86_64 0001-mm-devm_memremap_pages-fix-final-page-puatrace.patch 1 column

Networking vnic: ipvlan/basic
Networking: igmp conformance test
Podman system integration test (as root)
Podman system integration test (as user)
Storage SAN device stress - megaraid_sas
Storage SAN device stress - mpt3sas driver
Storage blktests
Usex - version 1.9-29
audit: audit testsuite test
httpd: mod_ssl smoke sanity
iotop: sanity
jvm test suite
lvm thinp sanity
pciutils: sanity smoke test
selinux-policy: serge-testsuite
storage: SCSI VPD
storage: software RAID testing
stress: stress-ng
trace: ftrace/tracer
tuned: tune-processes-through-perf
xfstests: ext4
xfstests: xfs
$ kpet run print-test-cases -t upstream -a x86_64 | column

AMTU (Abstract Machine Test Utility)
CIFS Connectathon
Ethernet drivers sanity
IOMMU boot test
LTP lite
LTP: openposix test suite
Loopdev Sanity
Memory function: kasmr
Memory function: memfd_create
Networking MACsec: sanity
Networking TCP: keepalive test
Networking UDP: socket
Networking bridge: sanity
Networking ipsec: basic netns transport
Networking ipsec: basic netns tunnel
Networking route: pmtu
Networking route_func: forward
Networking route_func: local
Networking sctp-auth: sockopts test
Networking socket: fuzz
Networking tunnel: geneve basic test
Networking tunnel: gre basic
Networking tunnel: vxlan basic
Networking: igmp conformance test
Podman system integration test (as root)
Podman system integration test (as user)
Storage SAN device stress - megaraid_sas
Storage SAN device stress - mpt3sas driver
Storage blktests
Utest - version 1.9-29
audit: audit testsuite test
httpd: mod_ssl smoke sanity
iotop: sanity
jvm test suite
lvm thinp sanity
pciutils: sanity smoke test
selinux-policy: serge-testsuite
storage: SCSI VPD
storage: software RAID testing
stress: stress-ng
trace: ftrace/tracer
tuned: tune-processes-through-perf
xfstests: ext4
xfstests: xfs
$
$ kpet run generate
$ kpet run generate -k kernel.tar.gz -t upstream
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devmem_memremap_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc | head -n20
```xml
<job retention_tag="60days" group="cki">
  <whiteboard/>
  <recipeSet>
    <recipe ks_meta=""harness='restraint-rhts beakerlib-redhat' sselinux=--permissive no_updates_repos" kernel_options="inst.updates=https://jkonecny.fedorapeople.org/redhat/bugs/1734567/updates.img arm-smmu.disable_bypass=n iommu.passthrough=1" kernel_options_post="arm-smmu.disable_bypass=n iommu.passthrough=1">
      <distroRequires>
        <distro_arch op="=" value="aarch64"/>
        <distro_family op="=" value="Fedora30"/>
        <distro_variant op="=" value="Server"/>
        <distro_name op="=" value="Fedora-30"/>
      </distroRequires>
      <hostRequires>
        <arch op="=" value="aarch64"/>
        <not>
          <or>
            <hostname op="like" value="hpe-comanche%"/>
            <hostname op="like" value="dell-venom%"/>
          </or>
        </not>
      </hostRequires>
    </recipe>
  </recipeSet>
</job>
```
<task name="Podman system integration test (as user)" role="STANDALONE">
<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#container/podman"/>
<params>
  <param name="CKI_MAINTAINERS" value="Major Hayden &lt;major@redhat.com&gt;"/>
  <param name="RSTRNT_MAX_TIME" value="600"/>
  <param name="RSTRNT_SWITCHUSER" value="podmantest"/>
</params>
</task>

<task name="LTP lite" role="STANDALONE">
<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/ltp-upstream"/>
<params>
  <param name="CKI_MAIVED" value="True"/>
  <param name="CKI_MAINTAINERS" value="Memory Management &lt;m-qe@redhat.com&gt;, Jan Stancek &lt;jk@redhat.com&gt;"/>
  <param name="RSTRNT_MAX_TIME" value="18000"/>
</params>
</task>

<task name="jvm test suite" role="STANDALONE">
<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#jvm"/>
<params>
  <param name="CKI_MAINTAINERS" value="Christine Flood &lt;cf@redhat.com&gt;"/>
  <param name="RSTRNT_MAX_TIME" value="1800"/>
</params>
</task>

<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#misc/amtu"/>
<params>
  <param name="CKI_MAINTAINERS" value="Memory Management &lt;m-qe@redhat.com&gt;"/>
  <param name="RSTRNT_MAX_TIME" value="3000"/>
  <param name="CI" value="yes"/>
</params>
</task>

<task name="LTP: openposix test suite" role="STANDALONE"/>
<task name="Podman system integration test (as user)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#container/podman"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Major Hayden &lt;major@redhat.com&gt;">
    <param name="RSTRNT_MAX_TIME" value="600"/>
    <param name="RSTRNT SWITCHUSER" value="podman test"/>
  </params>
</task>

<task name="LTP Lite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/ltp-upstream"/>
  <params>
    <param name="CKI WAIVED" value="True"/>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt:mm-ge@redhat.com&gt;, Jan Stancek &
    <param name="RSTRNT_MAX_TIME" value="18000"/>
  </params>
</task>

<task name="jvm test suite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#jvm"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Christine Flood &lt;chf@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="1800"/>
  </params>
</task>

<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#misc/amtu"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt:mm-ge@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>

<task name="LTP: openposix test suite" role="STANDALONE"/>
<task name="Podman system integration test (as user)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/container/podman"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Major Hayden &lt;majord@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="600"/>
    <param name="RSTRNT_SWITCHUSER" value="podmantest"/>
  </params>
</task>

<task name="LTP Lite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/distribution/ltp-upstream"/>
  <params>
    <param name="CKI_MAINTAINERS" value="True"/>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt;m-mq@redhat.com&gt;, Jan Stancek &

</params>
</task>

<task name="jvm test suite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/jvm"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Christine Flood &lt;chf@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="1800"/>
  </params>
</task>

<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/misc/amtu"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt;m-mq@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>

<task name="LTP: openposix test suite" role="STANDALONE">
<params>
  <param name="CKI_MAINTAINERS" value="Major Hayden &lt:maj@redhat.com&gt;"/>
  <param name="RSTRNT_MAX_TIME" value="600"/>
  <param name="RSTRNT SWITCHUSER" value="podman test"/>
</params>
</task>

<task name="LTP lite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/distribution/ltp-upstream"/>
  <params>
    <param name="CKI WAIVED" value="True"/>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt:mmqe@redhat.com&gt;, Jan Stancek &"/>
    <param name="RSTRNT_MAX_TIME" value="18000"/>
  </params>
</task>

<task name="jvm test suite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/jvm"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Christine Flood &lt;chf@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="1800"/>
  </params>
</task>

<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/misc/amtu"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt:mmqe@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>

<task name="LTP: openposix test suite" role="STANDALONE"/>
</params>
</task>

<task name="Podman system integration test (as user)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#container/podman"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Major Hayden &lt;major@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="600"/>
    <param name="RSTRNT_SWITCHUSER" value="podmantest"/>
  </params>
</task>

</task>

<task name="LTP lite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#distribution/ltp-upst"/>
  <params>
    <param name="CKI_WAIVED" value="True"/>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt;mm-ge@redhat.com&gt;, Jan Stancek &amp;..."/>
    <param name="RSTRNT_MAX_TIME" value="18000"/>
  </params>
</task>

</task>

<task name="JVM test suite" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#jdk"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Christine Flood &lt;chf@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="1800"/>
  </params>
</task>

</task>

<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
  <fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#misc/amtu"/>
  <params>
    <param name="CKI_MAINTAINERS" value="Memory Management &lt;mm-ge@redhat.com&gt;"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>

</task>

<task name="LTP: openposix test suite" role="STANDALONE"/>
<params/>
</task>
	<task name="Podman system integration test (as user)" role="STANDALONE">
		<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/container/podman"/>
		<params>
			<param name="CKI_MAINTAINERS" value="Major Hayden &lt;majord@redhat.com&gt;"/>
			<param name="RSTRNT_MAX_TIME" value="600"/>
			<param name="RSTRNT_SWITCHUSER" value="pomantest"/>
		</params>
	</task>
</task>
	<task name="LTP lite" role="STANDALONE">
		<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/distribution/ltp-upstream"/>
		<params>
			<param name="CKI_MAINEED" value="True"/>
			<param name="CKI_MAINTAINERS" value="Memory Management &lt;mqe@redhat.com&gt;, Jan Stacek &lt;jstacek@redhat.com&gt;"/>
			<param name="RSTRNT_MAX_TIME" value="18000"/>
		</params>
	</task>
</task>
	<task name="jvm test suite" role="STANDALONE">
		<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/jvm"/>
		<params>
			<param name="CKI_MAINTAINERS" value="Christine Flood &lt;chf@redhat.com&gt;"/>
			<param name="RSTRNT_MAX_TIME" value="1800"/>
		</params>
	</task>
</task>
	<task name="AMTU (Abstract Machine Test Utility)" role="STANDALONE">
		<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/misc/amtu"/>
		<params>
			<param name="CKI_MAINTAINERS" value="Memory Management &lt;mqe@redhat.com&gt;"/>
			<param name="RSTRNT_MAX_TIME" value="3000"/>
			<param name="CI" value="yes"/>
		</params>
	</task>
</task>
	<task name="LTP: openposix test suite" role="STANDALONE">
		<fetch url="https://github.com/CKI-project/tests-beaker/archive/master.zip#/distribution/ltp-lite"/>
		<params>
			<param name="CKI_MAINTAINERS" value="LTP Lite &lt;ltp-lite@redhat.com&gt;"/>
			<param name="RSTRNT_MAX_TIME" value="18000"/>
		</params>
	</task>
</task>
<table>
<thead>
<tr>
<th>ID</th>
<th>Whiteboard</th>
<th>Group</th>
<th>Owner</th>
<th>Progress</th>
<th>Status</th>
<th>Result</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>J:3771452</td>
<td>cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 ppc64le</td>
<td>cki</td>
<td>mhayden</td>
<td>0%</td>
<td>Queued</td>
<td>New</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771451</td>
<td>cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 ppc64</td>
<td>cki</td>
<td>mhayden</td>
<td>0%</td>
<td>Queued</td>
<td>New</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771450</td>
<td>cki@gitlab:148113 5.2.12-rc1-c548f.ea.cki@upstream-stable ppc64le</td>
<td>cki</td>
<td>mhayden</td>
<td>17%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771449</td>
<td>cki@gitlab:148113 5.2.12-rc1-c548f.ea.cki@upstream-stable aarch64</td>
<td>cki</td>
<td>mhayden</td>
<td>12%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771448</td>
<td>cki@gitlab:148113 5.2.12-rc1-c548f.ea.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>mhayden</td>
<td>4%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771447</td>
<td>cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 x86_64</td>
<td>cki</td>
<td>mhayden</td>
<td>18%</td>
<td>Running</td>
<td>Fail</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771446</td>
<td>cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 aarch64</td>
<td>cki</td>
<td>mhayden</td>
<td>12%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771445</td>
<td>cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 x86_64</td>
<td>cki</td>
<td>mhayden</td>
<td>24%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771444</td>
<td>cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 ppc64le</td>
<td>cki</td>
<td>mhayden</td>
<td>22%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:3771440</td>
<td>cki@gitlab:147804 5.2.12-140839f.cki@upstream-stable x86_64 [RS:5961921]</td>
<td>cki</td>
<td>mhayden</td>
<td>36%</td>
<td>Running</td>
<td>Pass</td>
<td>Clone</td>
</tr>
</tbody>
</table>
Recipe R:7322852 1 of 2 recipes in J:3771022

Started 4 hours ago and finished in 04:26:42.

Using Fedora-30 Server aarch64
on redacted.redhat.com.

**Installation**  **Tasks**  **Reservation**

**Pass** with 15 out of 15 tasks finished.

<table>
<thead>
<tr>
<th>Task</th>
<th>Duration</th>
<th>Description</th>
<th>Results</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>T:98843960</td>
<td>+00:25:45</td>
<td>/distribution/check-install 1.0-2</td>
<td><img src="#" alt="taskout.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>T:98843962</td>
<td>+00:27:08</td>
<td>/test/misc/machineinfo</td>
<td><img src="#" alt="taskout.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>T:98843963</td>
<td>+00:27:55</td>
<td>Boot test</td>
<td><img src="#" alt="taskout.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>T:98843966</td>
<td>+00:45:41</td>
<td>LTP lite</td>
<td><img src="#" alt="taskout.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454801203</td>
<td>+01:00:53</td>
<td>Setup</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454801570</td>
<td>+01:02:25</td>
<td>sched</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454811852</td>
<td>+01:52:54</td>
<td>syscalls</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454811909</td>
<td>+01:53:07</td>
<td>can</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454812109</td>
<td>+01:54:09</td>
<td>commands</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
<tr>
<td>TR:454812240</td>
<td>+01:54:50</td>
<td>containers</td>
<td><img src="#" alt="resultoutputfile.log" /></td>
<td><img src="#" alt="Pass" /></td>
</tr>
</tbody>
</table>
• **Kernel maintainers**
  - We can test your tree and send you results

• **Test maintainers**
  - We can run your tests

• **Other CI systems**
  - Common place to look for test results
  - Linux Foundation kernelCI.org membership
  - Hackfest coming up!
Sana Lisboa Hotel
Av. Fontes Pereira de Melo 8, 1069-310 Lisboa
THU, SEP 12

09:30-10:00 Breakfast (provided)
10:00-10:30 Introductions
10:30-11:00 Test data standardization
11:10-12:00 Common place for upstream results
12:10-13:30 How to avoid effort duplication
13:30-14:30 Lunch break
14:30-16:00 Open testing philosophy
16:10-17:00 Common hard are pools
THU, SEP 13

09:30–10:00  Breakfast (provided)
10:00–11:20  Getting results to developers/maintainers
11:30–12:30  Onboarding new trees and tests
12:40–13:30  CI bug tracking
13:30–14:30  Lunch break
14:30–16:00  Bugs and result interpretation
16:10–17:30  Security when testing untrusted patches
THANK YOU!

https://gitlab.com/cki-project/
https://github.com/cki-project/

https://cki-project.org/
cki-project@redhat.com
GET OUR STICKERS!

Continuous Kernel Integration

Continuous Kernel Integration
AND YOUR COOKIES!
CREDITS

Icons from Font Awesome licensed under Creative Commons Attribution 4.0
Icons from Octicons (c) GitHub, Inc
"A Bug" by h&b (Lea) is licensed under CC BY-NC-ND 2.0
"Sugar cookies two ways-1" by Dana McMahan is licensed under CC BY-NC 2.0
"Self-Operating Napkin", Copyright Heirs of Rube Goldberg
"Perfect Chocolate Chip Cookies" by Kimberly Vardeman is licensed under CC BY 2.0