



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**



"cookie"

Continuous Kernel Integration

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

China
Czech Republic
Finland
Norway
United States



NOT THAT LONG AGO...

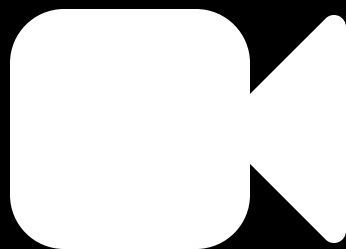


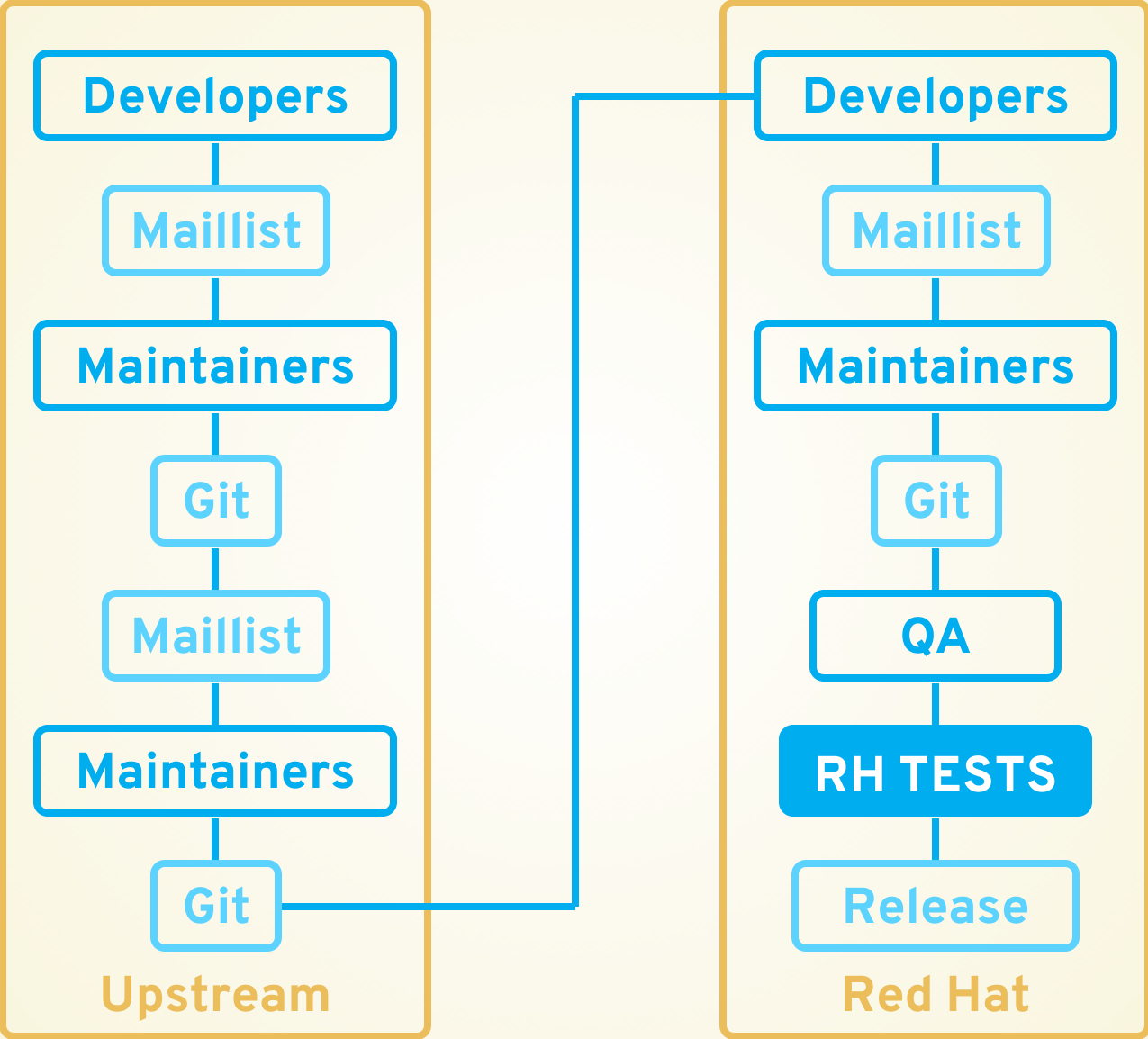
NOT THAT LONG AGO...

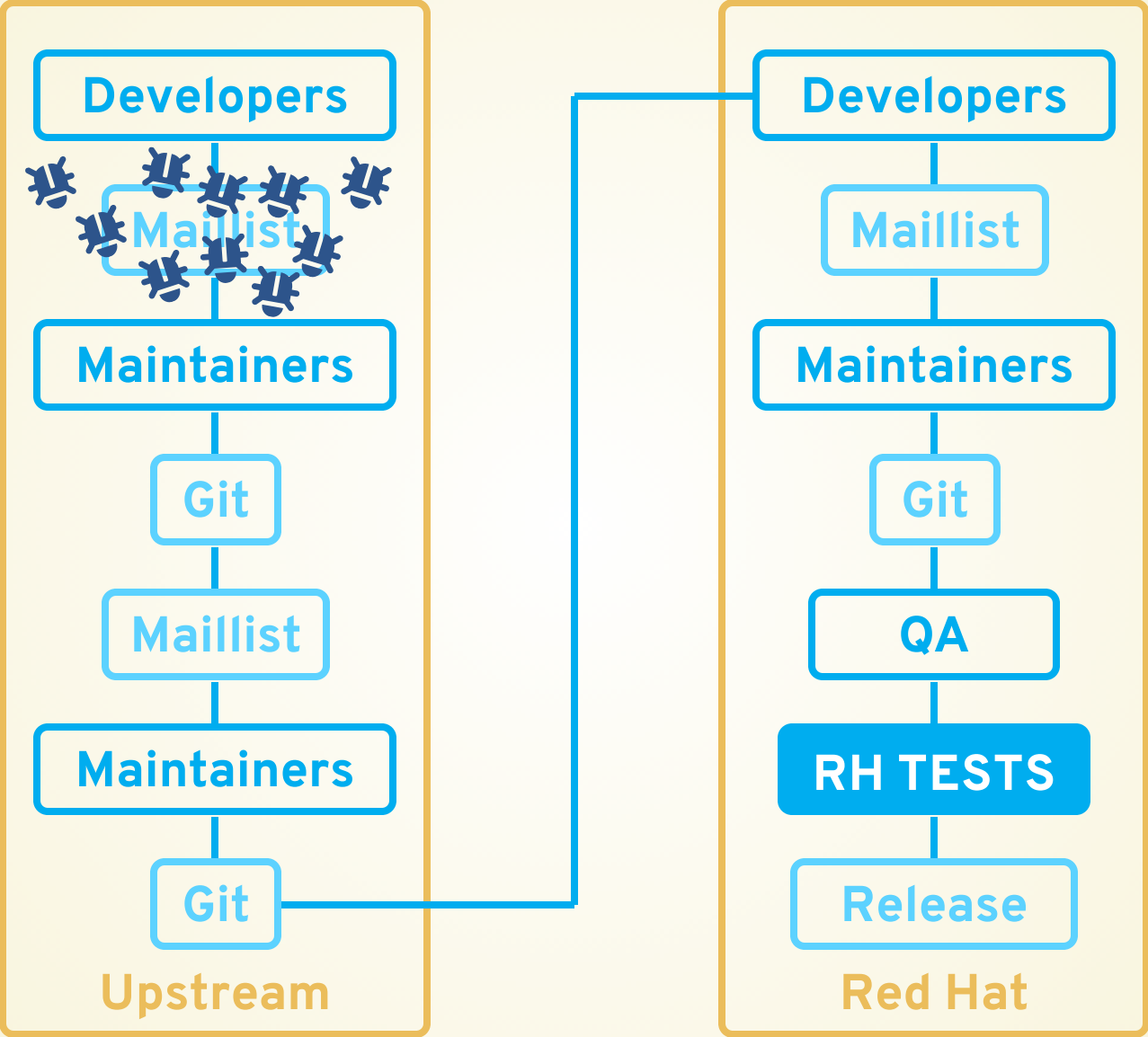
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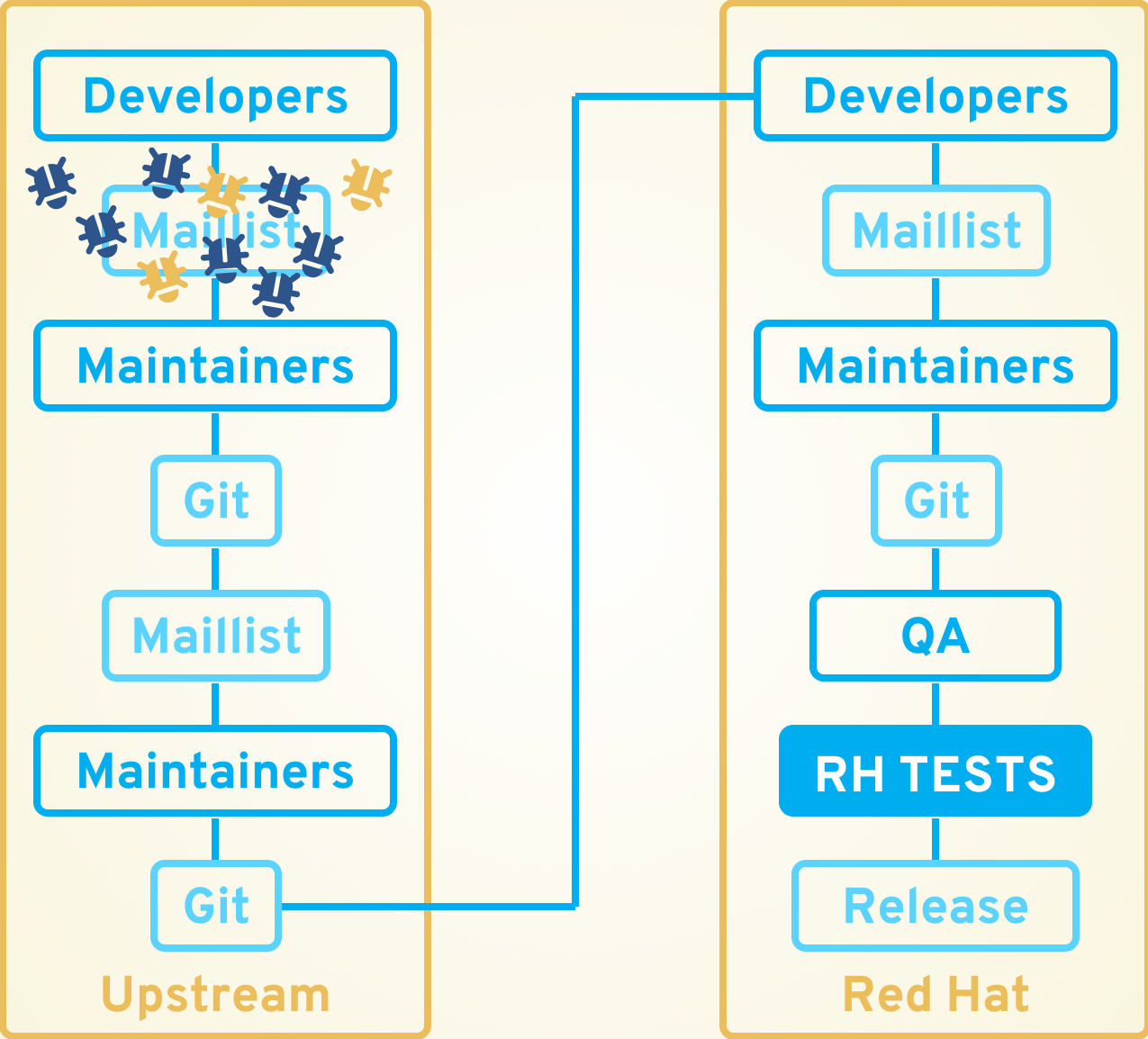
Arcade Volleyball

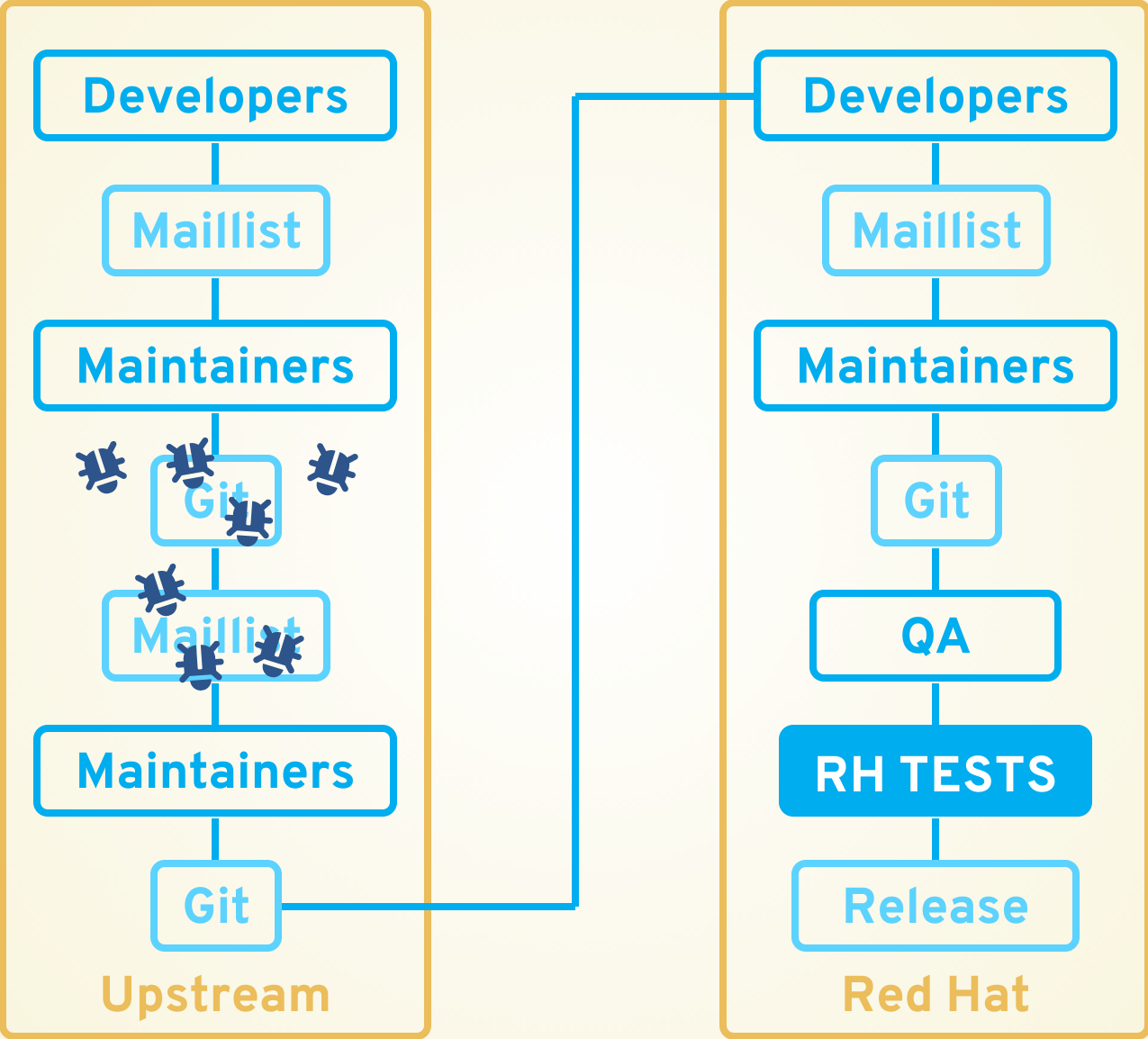
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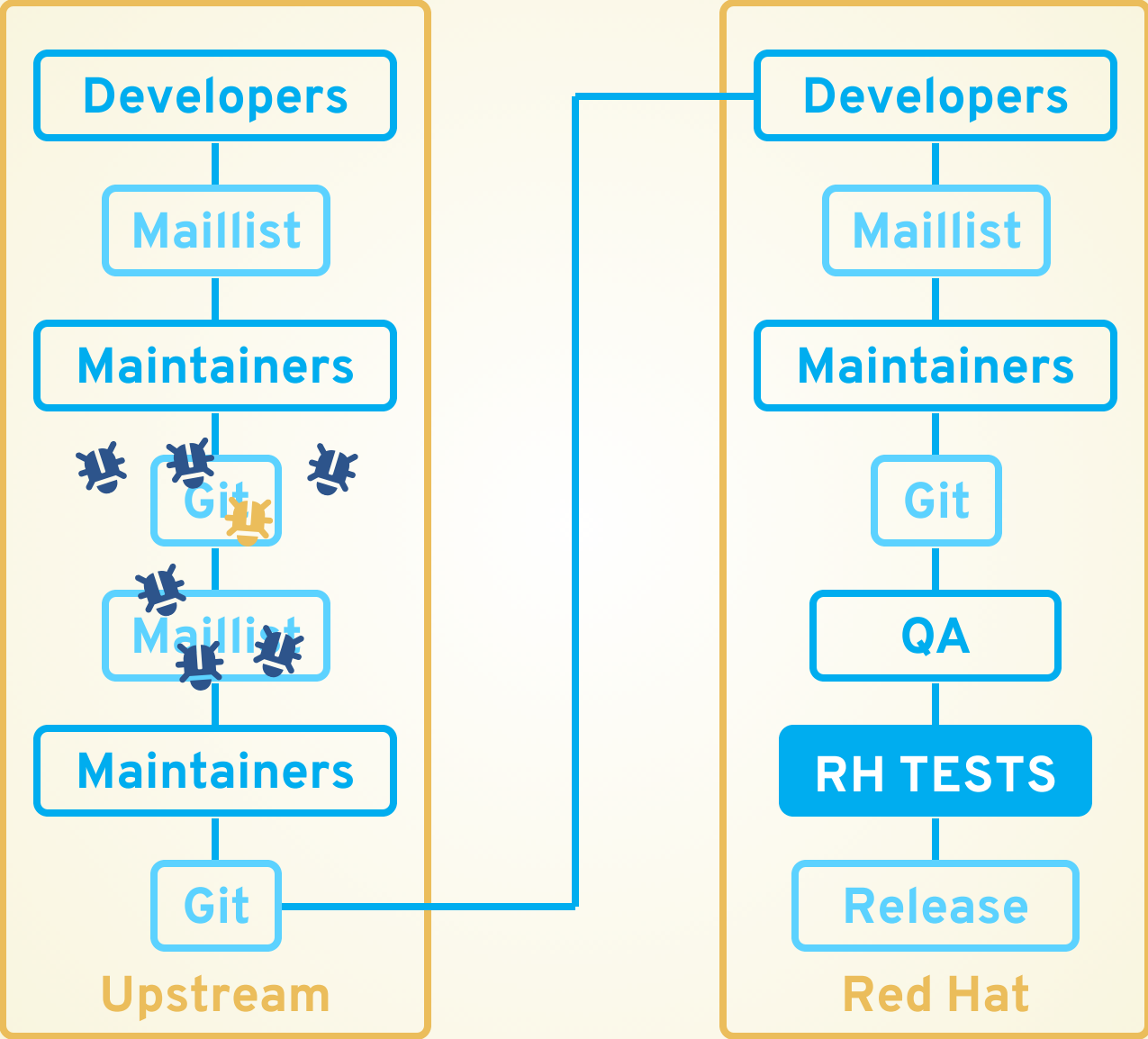


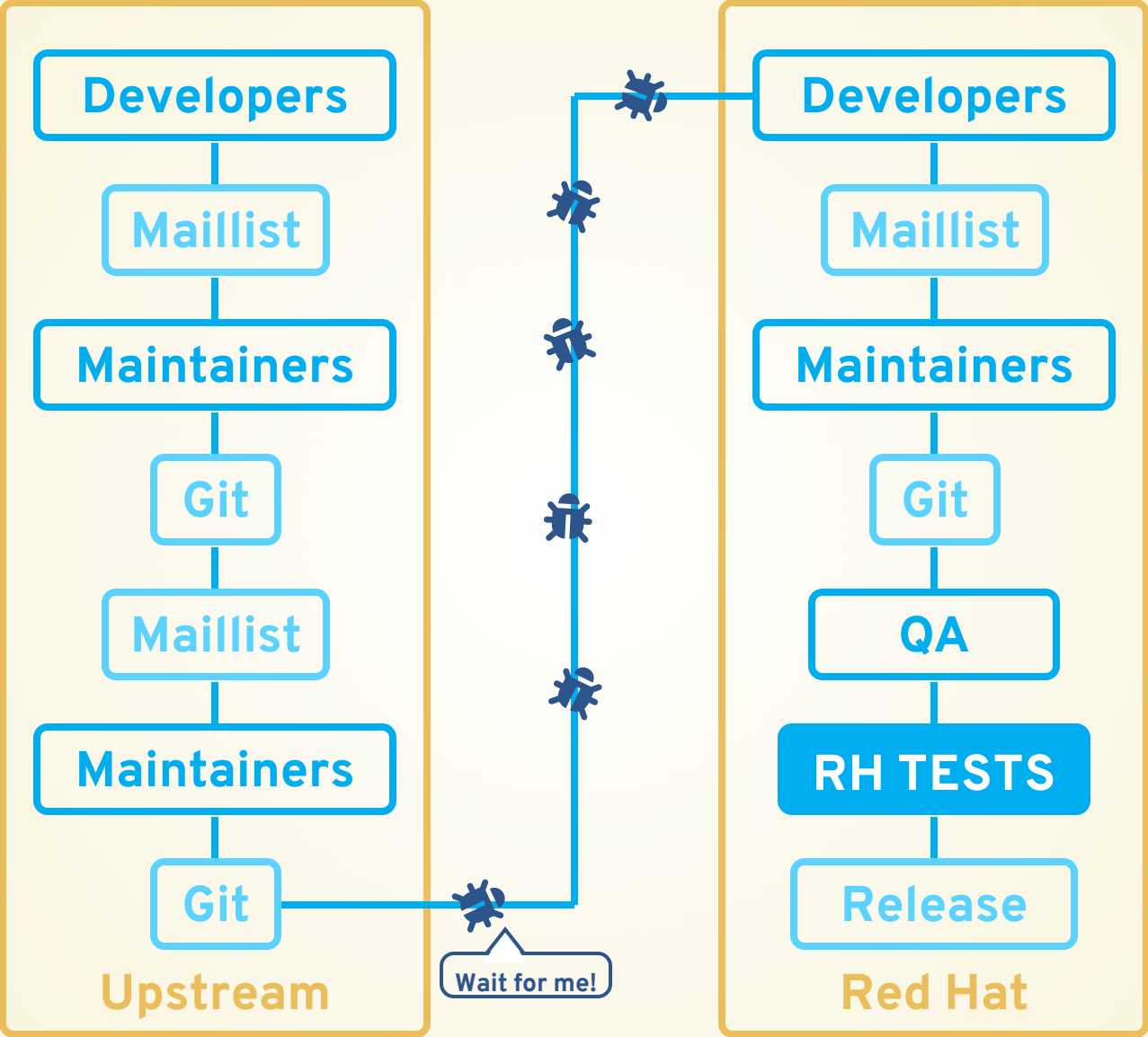


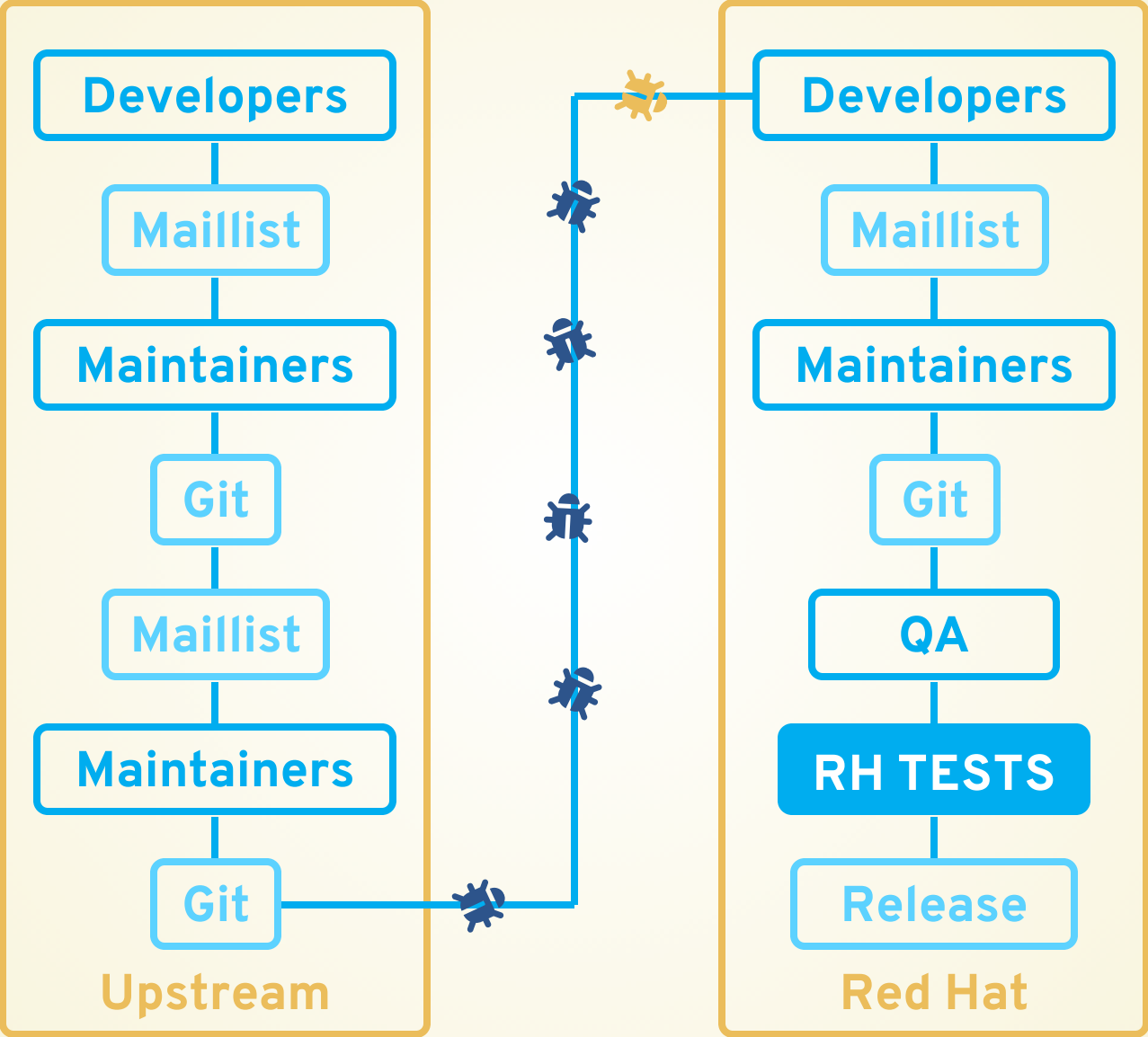


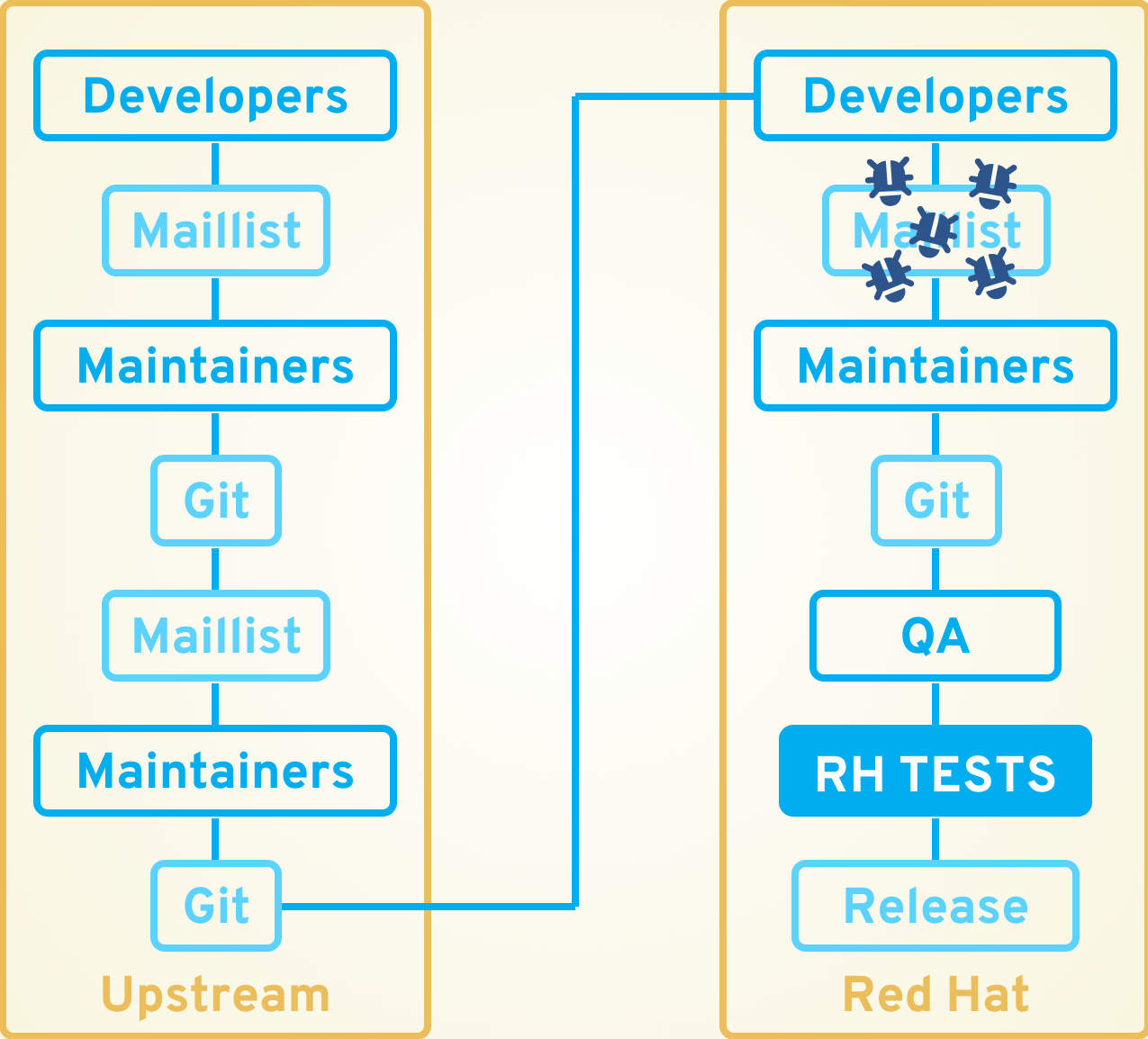


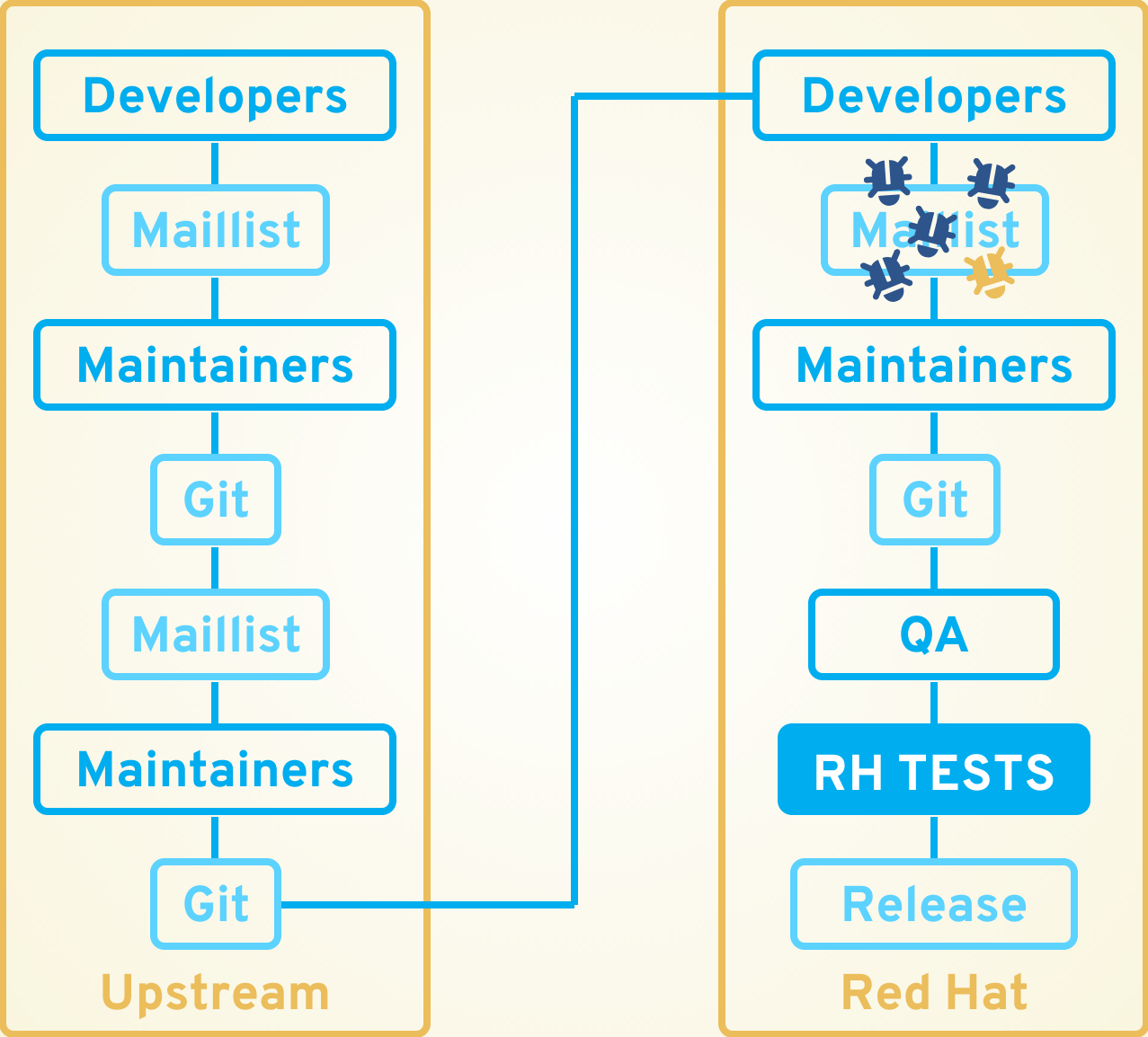


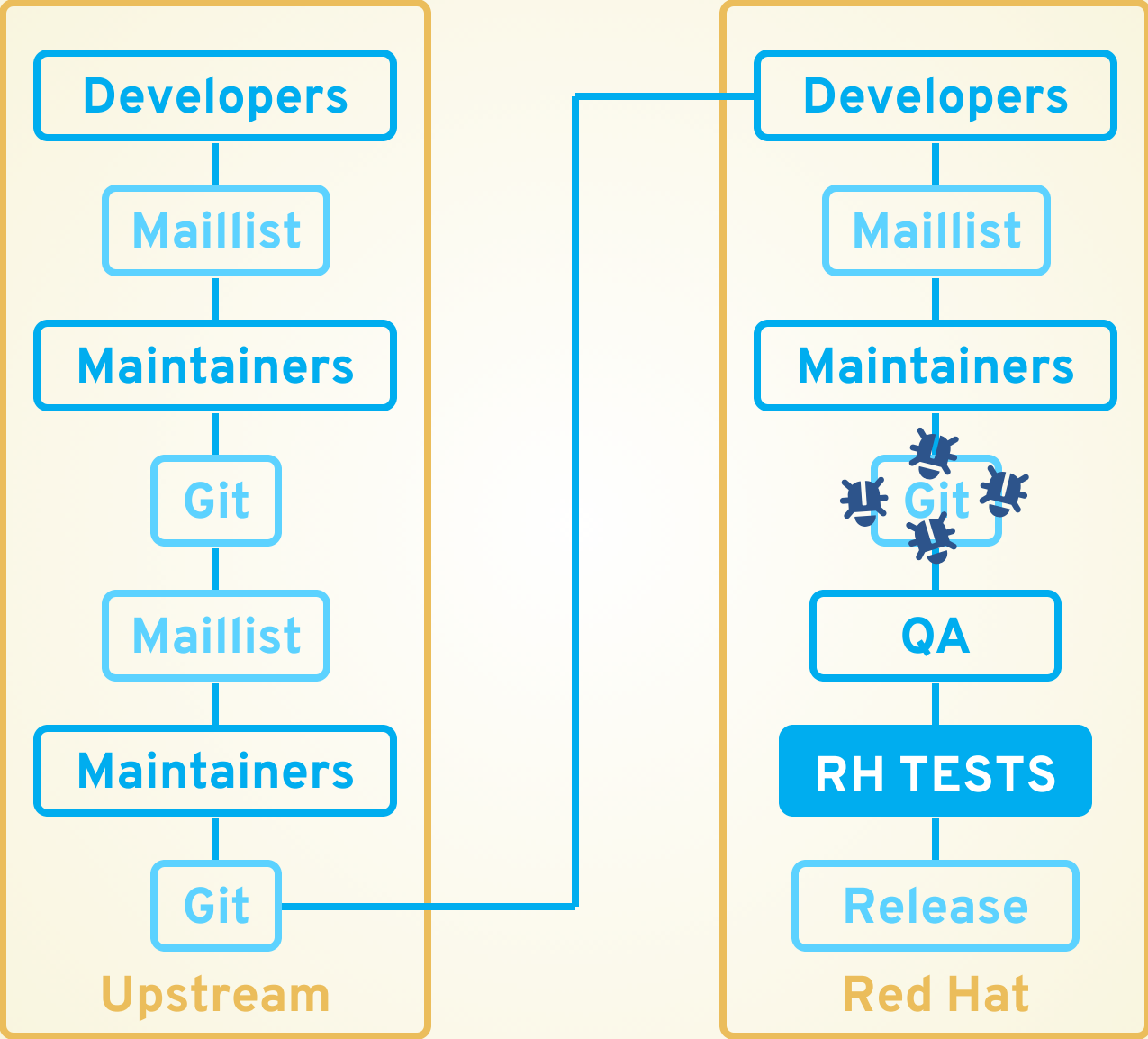


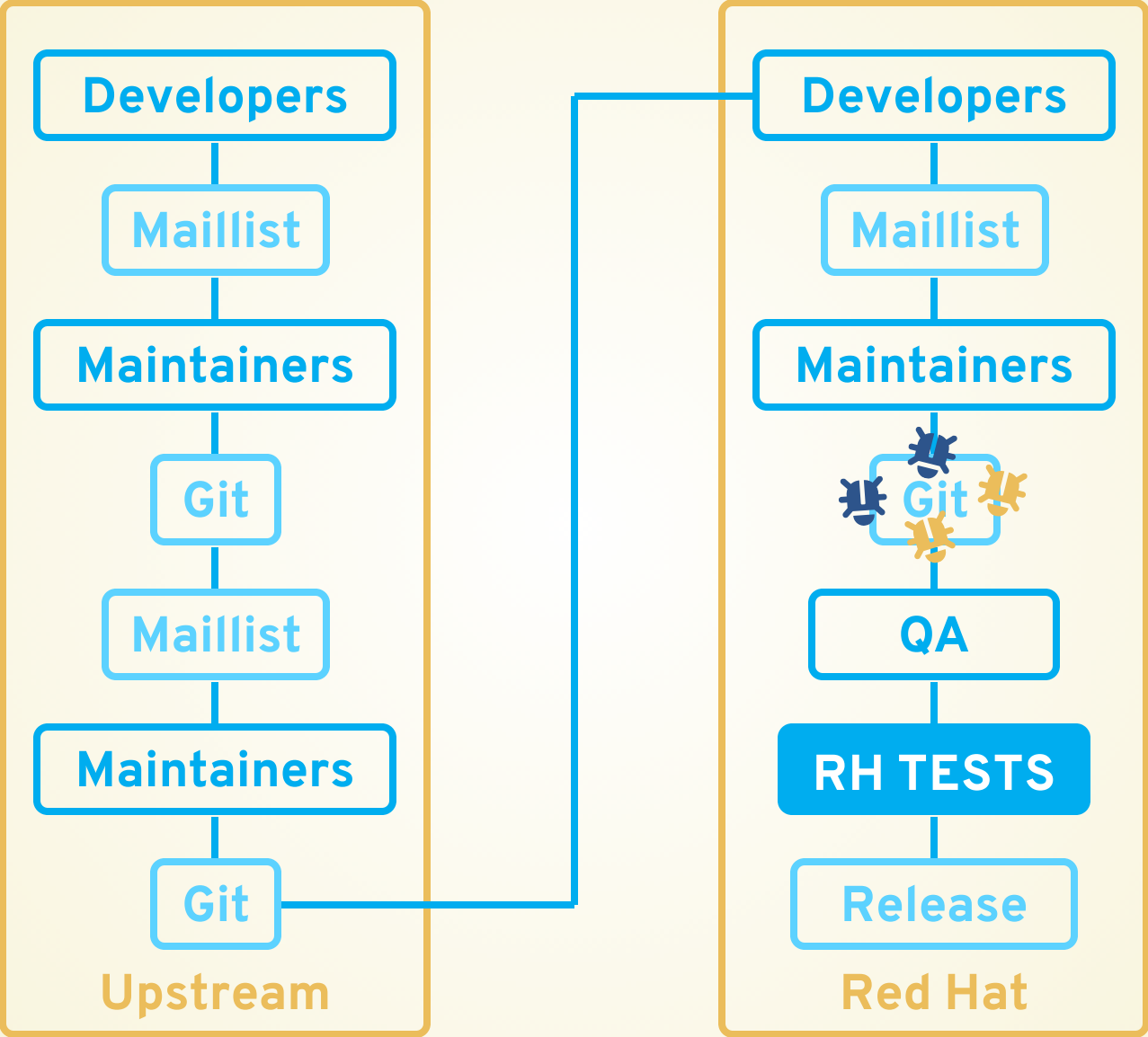


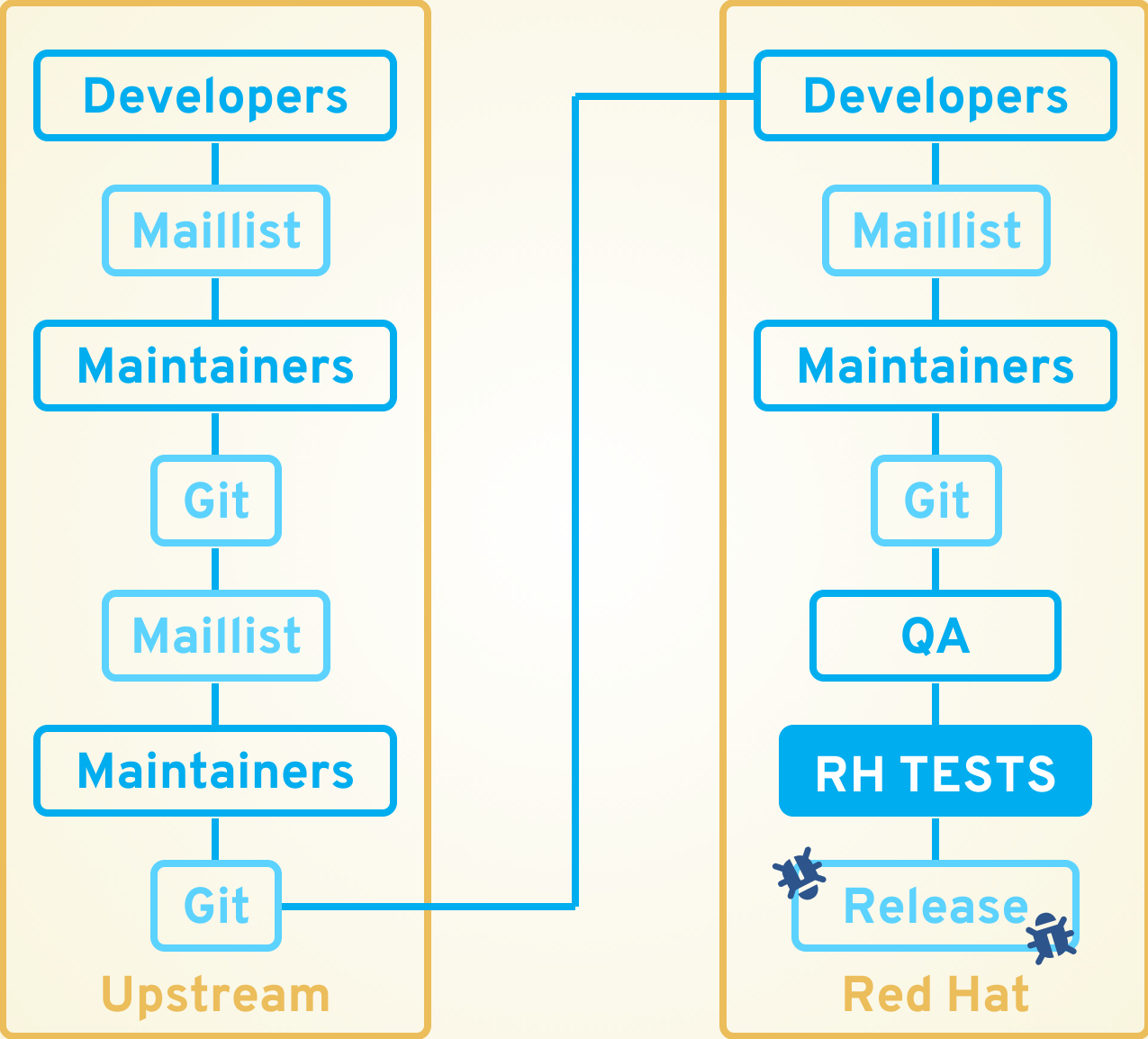


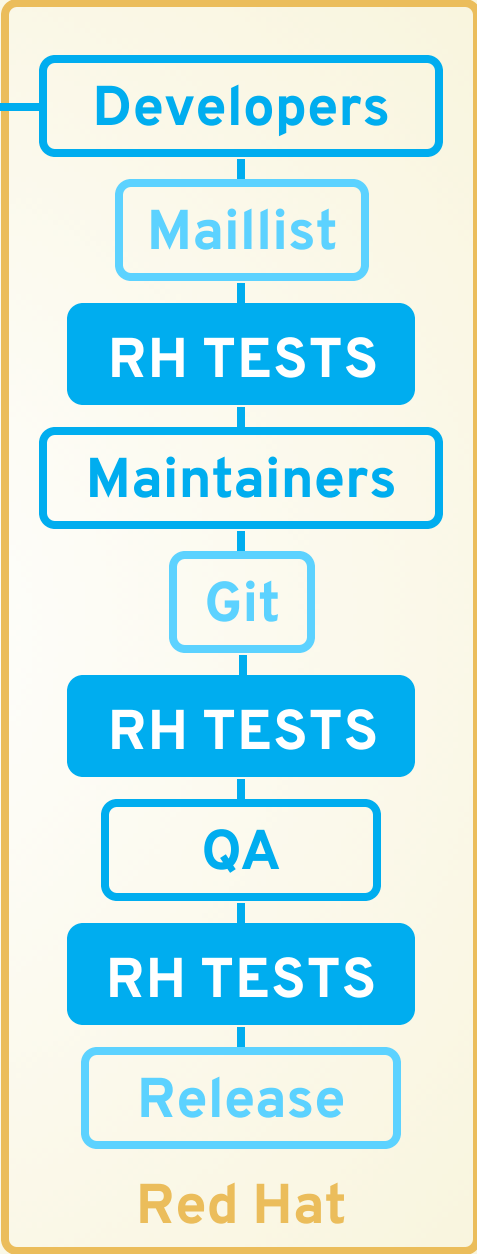
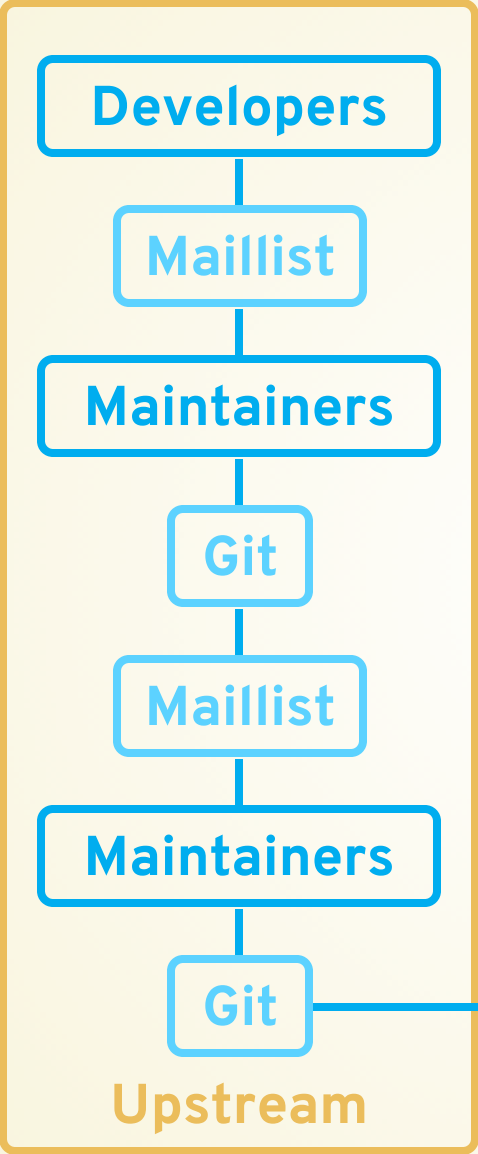


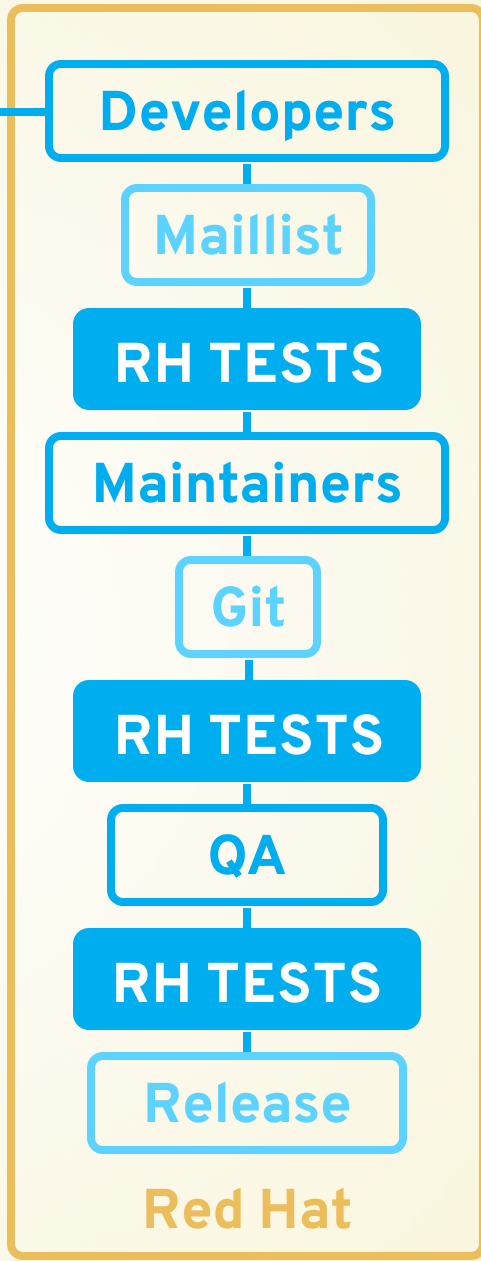
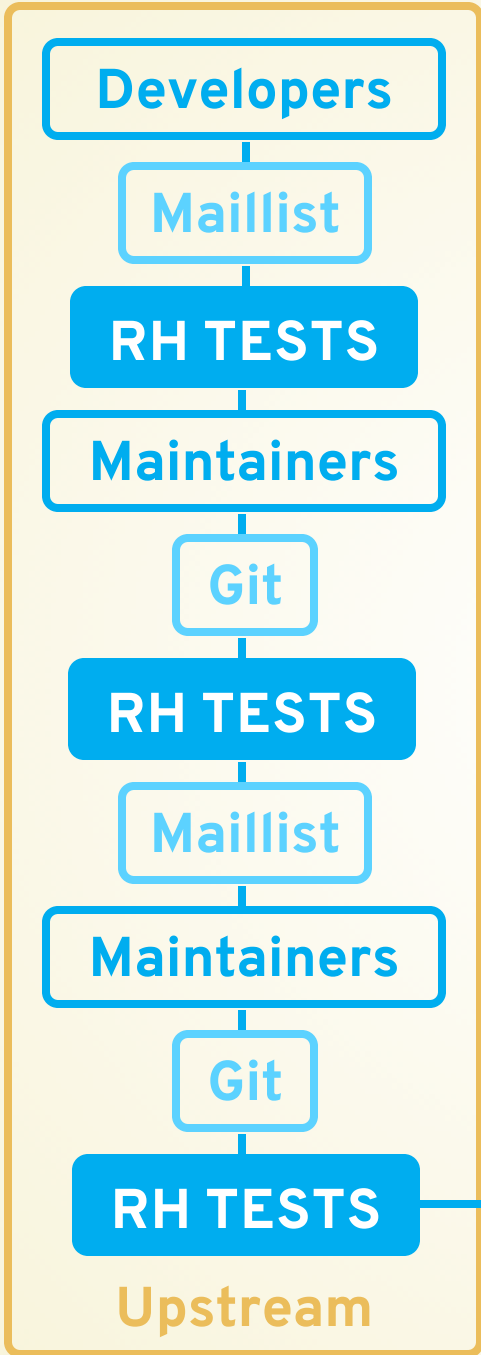














ABOUT THOSE COOKIES...

HARDWARE

x86_64

VMs

GPUs

aarch64

Laptops

NICs

ppc64

PCs

Storage controllers

ppc64le

Servers

Audio cards

s390x

Mainframes

Infiniband adapters

and more!

TESTS

iSCSI params	LTPLite
Thinpool sanity	USEX
PCI utils sanity	Connectathon NFS
kdump	KVM Unit Tests
Socket fuzzing	KVM Self Tests
Routing tests	Libhugetlbf tests
Firewall tests	stress-ng
xfstests	blocktests
Realtime kernel tests	SystemTap tracepoints


and more!

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!

STABLE BASELINE REPORT - OVERVIEW

- *Subject:*  PASS: Test report for kernel 5.2.10-rc1-6451706.cki (stable)
- *From:* CKI Project <cki-project@xxxxxxxxxxx>
- *Date:* Wed, 21 Aug 2019 14:11:07 -0400

Hello,

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

```
Kernel repo: git://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
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 )
  /   \ /   \
 /     \     \
( I )      Continuous
 \     /     /
  \   /     /
   ( K ) ( C )
    \   /     \
     \ /     \
      ( I )      Kernel
                   Integration
```

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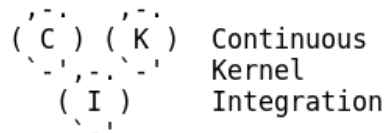
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STABLE BASELINE REPORT - COMPILE

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

STABLE BASELINE REPORT - FILES

Name	Last modified	Size
 Parent Directory		-
 kernel-stable-aarch64-6451706234b494afc737f64c0b442d6594c4ccf9.config	2019-08-21 12:50	220K
 kernel-stable-aarch64-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz	2019-08-21 12:59	76M
 kernel-stable-ppc64le-6451706234b494afc737f64c0b442d6594c4ccf9.config	2019-08-21 12:51	171K
 kernel-stable-ppc64le-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz	2019-08-21 12:59	79M
 kernel-stable-s390x-6451706234b494afc737f64c0b442d6594c4ccf9.config	2019-08-21 12:50	92K
 kernel-stable-s390x-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz	2019-08-21 12:54	34M
 kernel-stable-x86_64-6451706234b494afc737f64c0b442d6594c4ccf9.config	2019-08-21 12:51	208K
 kernel-stable-x86_64-6451706234b494afc737f64c0b442d6594c4ccf9.tar.gz	2019-08-21 13:00	86M
 logs/	2019-08-21 18:11	-

STABLE BASELINE REPORT - TESTS

Hardware testing

We booted each kernel and ran the following tests:

aarch64:

Host 1:

- ✔ Boot test [0]
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- ✔ jvm test suite [4]
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- ✔ AMTU (Abstract Machine Test Utility) [6]
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- ✔ 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]
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- 🚧 ✔ Networking ipsec: basic netns transport [25]
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- ✔ 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.

STABLE BASELINE REPORT - TESTS

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]

STABLE BASELINE REPORT - TESTS

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]
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- ✔ 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]
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- ✔ Networking route_func: local [23]
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STABLE BASELINE REPORT - TESTS

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- ✔ lvm thinp sanity [29]
- ✔ storage: software RAID testing [30]
- 🚧 ✔ Storage blktests [31]

STABLE BASELINE REPORT - TESTS

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]
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- ✔ 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]
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STABLE BASELINE REPORT - SOURCES

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/loopdev/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/amtu>
- [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/ftrace/tracer>
- [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>

STABLE BASELINE REPORT - SOURCES



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[0](#) releases

[29](#) contributors

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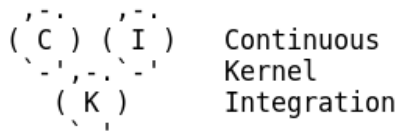
[Clone or download](#)

[jkysela-rh](#) and [rasibley](#) Sound - add two basic tests for the ALSA subsystem (#317) ...



Latest commit f2a867a 14 hours ago

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

STABLE BASELINE REPORT - LOGS



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.

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 Parent Directory		-
 aarch64_host_1_AMTU_Abstract_Machine_Test_Utility_resultoutputfile.log	2019-08-21 18:10	30K
 aarch64_host_1_AMTU_Abstract_Machine_Test_Utility_taskout.log	2019-08-21 18:10	12K
 aarch64_host_1_Boot_test_dmesg.log	2019-08-21 18:10	35K
 aarch64_host_1_Boot_test_resultoutputfile.log	2019-08-21 18:10	1.4K
 aarch64_host_1_Boot_test_taskout.log	2019-08-21 18:10	7.3K
 aarch64_host_1_Ethernet_drivers_sanity_taskout.log	2019-08-21 18:10	2.0K
 aarch64_host_1_LTP_lite_RHELKT1LITE.FILTERED.run.log	2019-08-21 18:10	1.0M
 aarch64_host_1_LTP_lite_dmesg.log	2019-08-21 18:10	59K
 aarch64_host_1_LTP_lite_resultoutputfile.log	2019-08-21 18:10	68K
 aarch64_host_1_LTP_lite_taskout.log	2019-08-21 18:10	13K

STABLE QUEUE REPORT - OVERVIEW

- *Subject:* ✘ FAIL: Stable queue: queue-5.2
- *From:* CKI Project <cki-project@xxxxxxxxxxx>
- *Date:* Sun, 18 Aug 2019 08:00:53 -0400
- *Cc:* Milos Malik <mmalik@xxxxxxxxxxx>, Ondrej Mosnacek <omosnace@xxxxxxxxxxx>

Hello,

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

Kernel repo: <https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux.git>
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

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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
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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
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mm-z3fold.c-fix-z3fold_destroy_pool-race-condition.patch
mm-memcontrol.c-fix-use-after-free-in-mem_cgroup_iter.patch
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STABLE QUEUE REPORT - TESTS

ppc64le:

Host 1:

- ✔ Boot test [0]
- ✔ xfstests: xfs [12]
- ✘ selinux-policy: serge-testsuite [13]

Host 2:

- ✔ Boot test [0]
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- ✔ 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]
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- ✔ Usex - version 1.9-29 [11]

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STABLE QUEUE REPORT - LOGS

 aarch64_host_2_xfstests_xfs_dmesg.log	2019-08-18 12:00	197K
 aarch64_host_2_xfstests_xfs_resultoutputfile.log	2019-08-18 12:00	204K
 aarch64_host_2_xfstests_xfs_taskout.log	2019-08-18 12:00	216K
 ppc64le_host_1_Boot_test_dmesg.log	2019-08-18 12:00	80K
 ppc64le_host_1_Boot_test_resultoutputfile.log	2019-08-18 12:00	1.7K
 ppc64le_host_1_Boot_test_taskout.log	2019-08-18 12:00	7.6K
 ppc64le_host_1_console.log	2019-08-18 12:00	338K
 ppc64le_host_1_selinuxpolicy_sergetestsuite_dmesg.log	2019-08-18 12:00	41K
 ppc64le_host_1_selinuxpolicy_sergetestsuite_resultoutputfile.log	2019-08-18 12:00	6.1K
 ppc64le_host_1_selinuxpolicy_sergetestsuite_taskout.log	2019-08-18 12:00	96K
 ppc64le_host_1_xfstests_xfs_dmesg.log	2019-08-18 12:00	197K
 ppc64le_host_1_xfstests_xfs_resultoutputfile.log	2019-08-18 12:00	213K
 ppc64le_host_1_xfstests_xfs_taskout.log	2019-08-18 12:00	224K

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 ppc64le_host_1_xfstests_xfs_dmesg.log	2019-08-18 12:00	197K
 ppc64le_host_1_xfstests_xfs_resultoutputfile.log	2019-08-18 12:00	213K
 ppc64le_host_1_xfstests_xfs_taskout.log	2019-08-18 12:00	224K

STABLE QUEUE REPORT - LOGS

```
cap_userns/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

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cap_userns/test ..... ok
extended_socket_class/test ..
extended_socket_class/test .. 1/16

extended_socket_class/test .. ok
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```

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

```
sctp/test ..... 12/86
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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 - RESPONSE

-
- *Subject:* Re: ❌ FAIL: Stable queue: queue-5.2
 - *From:* Ondrej Mosnacek <omosnace@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.

STABLE QUEUE REPORT - RESPONSE

- *Subject:* Re: ✗ FAIL: Stable queue: queue-5.2
- *From:* Ondrej Mosnacek <omosnace@xxxxxxxxxxx>
- *Date:* Sun, 18 Aug 2019 18:59:35 +0200
- *Cc:* Linux Stable maillist <stable@xxxxxxxxxxxxxxxx>, Milos Malik <mmalik@xxxxxxxxxxx>
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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!

LTP COLLABORATION - TEST 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:64: 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] fzsync: 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:64: INFO: Created ping socket, attempting to race...
../../../../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
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```

mkswap01 is racing with udev and sometimes fails #458

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



jstancek commented on Jan 3

Contributor



Assignees

No one assigned

mkswap01 is sporadically failing on aarch64 systems (kernel 4.18):

LTP COLLABORATION - TEST BUGS

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

```
cmdline="cve-2017-2671"
contacts=""
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<<<test_output>>>
tst_test.c:1098: INFO: Timeout per run is 0h 05m 00s
cve-2017-2671.c:64: INFO: Created ping socket, attempting to race...
../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
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```

mkswap01 is racing with udev and sometimes fails #458

 **Open** jstancsek opened this issue on Jan 3 · 1 comment

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

mkswap01 is sporadically failing on aarch64 systems (kernel 4.18):

No one assigned

LTP COLLABORATION - TEST BUGS

[LTP] [PATCH] fzsync: 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:64: INFO: Created ping socket, attempting to race...
../../../../include/tst_fuzzy_sync.h:477: INFO: Minimum sampling period ended
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mkswap01 is racing with udev and sometimes fails #458

 **Open** jstancsek opened this issue on Jan 3 · 1 comment

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

No one assigned

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

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

KERNEL BUG - LTP MIGRATE_PAGES12

List: [linux-mm](#)
Subject: [\[bug\] problems with migration of huge pages with v4.20-10214-ge1ef035d27](#)
From: [Jan Stancek <jstancek \(\) redhat ! com>](#)
Date: [2019-01-02 20:30:04](#)
Message-ID: [1323128903.93005102.1546461004635.JavaMail.zimbra \(\) redhat ! com](#)
[Download RAW [message](#) or [body](#)]

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]
```

KERNEL BUG - LTP MIGRATE_PAGES12

List: [linux-mm](#)
Subject: [\[bug\] problems with migration of huge pages with v4.20-10214-ge1ef035d27](#)
From: [Jan Stancek <jstancek \(\) redhat ! com>](#)
Date: [2019-01-02 20:30:04](#)
Message-ID: [1323128903.93005102.1546461004635.JavaMail.zimbra \(\) redhat ! com](#)
[Download RAW [message](#) or [body](#)]

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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);
```

KERNEL BUG - LTP MIGRATE_PAGES12

```
author      ✂ Mike Kravetz <mike.kravetz@oracle.com>      2019-01-08 15:23:36 -0800
committer   🗑 Linus Torvalds <torvalds@linux-foundation.org> 2019-01-08 17:15:11 -0800
commit      ddeaab32a89f04b7e2a2df8771583a719c4ac6b7 (patch)
tree        faa31cf72190bc24e3041c924da8e7d58d8c99f0
parent      e7c58097793ef15d58fadf190ee58738fbf447cd (diff)
download    linux-ddeaab32a89f04b7e2a2df8771583a719c4ac6b7.tar.gz
```

hugetlbf: revert "use i_mmap_rwsem 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:

KERNEL BUG - LTP MTEST06

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
mmap1.c:234: INFO: [3] mapped: 20000, sigsegv hit: 2864, threads spawned: 8
mmap1.c:237: INFO: [3] repeated_reads: 0, data_matched: 17590074
mmap1.c:234: INFO: [6] mapped: 50000, sigsegv hit: 5296, threads spawned: 20
mmap1.c:237: INFO: [6] repeated_reads: 322, data_matched: 45330029
Test timedout, sending SIGKILL!
```

KERNEL BUG - LTP MTEST06

* [bug] aarch64: userspace stalls on page fault after dd2283f2605e ("mm: mmap: zap [not found] <820667266.20994189.1557058281210.JavaMail.zimbra@redhat.com>

@ 2019-05-05 14:10 ` Jan Stancek

2019-05-06 19:04 ` [Yang Shi](#)

[0 siblings, 1 reply; 10+ messages in thread](#)

From: Jan Stancek @ 2019-05-05 14:10 UTC ([permalink](#) / [raw](#))

To: linux-mm, linux-arm-kernel

Cc: yang shi, kirill, willy, kirill shutemov, vbabka,
Andrea Arcangeli, akpm, Waiman Long, Jan Stancek

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>
```

KERNEL BUG - LTP MTEST06

```
author      ✨ Yang Shi <yang.shi@linux.alibaba.com>      2019-06-13 15:56:05 -0700
committer   🐼 Linus Torvalds <torvalds@linux-foundation.org> 2019-06-13 17:34:56 -1000
commit      7a30df49f63ad92318ddf1f7498d1129a77dd4bd (patch)
tree        bbb0655d43339b0b93aa53176fc493b8089e01a6
parent      be99ca2716972a712cde46092c54dee5e6192bf8 (diff)
download    linux-7a30df49f63ad92318ddf1f7498d1129a77dd4bd.tar.gz
```

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 xfs
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: 0000000000000010 x14: ffffffff00000000
[ 947.514077] x13: ffff0000ad4a364f x12: ffff00002d4a3657
[ 947.519375] x11: ffff0000116e5000 x10: ffff000010ef08b8
[ 947.524673] x9 : ffff0000118da000 x8 : 000000000000085a6
[ 947.529972] x7 : 0000000000000017 x6 : ffff0000118d9be8
[ 947.535270] x5 : 000000000000000f x4 : ffff80bf5ce56248
[ 947.540568] x3 : ffff80bf5ce56248 x2 : 0000000000000007
[ 947.545866] x1 : 0000000000000006 x0 : 0000000000000021
```

KERNEL BUG - LTP MTEST06

```
[ 947.381898] page->mem_cgroup:ffff80bf39c28000
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[ 947.468387] sp : ffff00002d4a3950
[ 947.471689] x29: ffff00002d4a3950 x28: ffff7e02fa37e480
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[ 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: 0000000000000010 x14: ffffffff00000000
[ 947.514077] x13: ffff0000ad4a364f x12: ffff00002d4a3657
[ 947.519375] x11: ffff0000116e5000 x10: ffff000010ef08b8
[ 947.524673] x9 : ffff0000118da000 x8 : 000000000000085a6
[ 947.529972] x7 : 0000000000000017 x6 : ffff0000118d9be8
[ 947.535270] x5 : 000000000000000f x4 : ffff80bf5ce56248
[ 947.540568] x3 : ffff80bf5ce56248 x2 : 0000000000000007
[ 947.545866] x1 : 0000000000000006 x0 : 0000000000000021
```

```
[ 947.551164] Call trace:
[ 947.553599] unaccount_page_cache_page+0x17c/0x1a0
[ 947.558382] delete_from_page_cache_batch+0xa0/0x300
[ 947.563345] truncate_inode_pages_range+0x1b8/0x640
[ 947.568209] truncate_inode_pages_final+0x88/0xa8
[ 947.572905] evict+0x1a0/0x1d8
[ 947.575948] iput+0x150/0x240
[ 947.578914] dentry_unlink_inode+0x120/0x130
[ 947.583172] __dentry_kill+0xd8/0x1d0
[ 947.586822] dentry_kill+0x88/0x248
[ 947.590298] dput+0x168/0x1b8
[ 947.593256] __fput+0xe8/0x208
[ 947.596297] ___fput+0x20/0x30
[ 947.599437] task_work_run+0xc0/0xf0
[ 947.603003] do_notify_resume+0x2b0/0x328
[ 947.607002] work_pending+0x8/0x10
[ 947.610392] Code: f0006441 9113a021 f90013f5 9400e378 (d4
[ 947.616473] ---[ end trace 5070a013679ed7ef ]---
```

KERNEL BUG - LTP MTEST06

```
author      🧑 Jan Stancek <jstancek@redhat.com> 2019-07-18 10:51:25 +0200
committer  🧑 Ingo Molnar <mingo@kernel.org>    2019-07-25 15:39:23 +0200
commit     e1b98fa316648420d0434d9ff5b92ad6609ba6c3 (patch)
tree       a618506f2c00131a3eb9e764ee4422311a2b2f4c
parent     78134300579a45f527ca173ec8fdb4701b69f16e (diff)
download   linux-e1b98fa316648420d0434d9ff5b92ad6609ba6c3.tar.gz
```

locking/rwsem: Add missing ACQUIRE to read_slowpath exit w

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

KERNEL BUG - LTP MTEST06

```
author      🧑 Jan Stancek <jstancek@redhat.com> 2019-07-18 10:51:25 +0200
committer   🧑 Ingo Molnar <mingo@kernel.org> 2019-07-25 15:39:23 +0200
commit      e1b98fa316648420d0434d9ff5b92ad6609ba6c3 (patch)
tree        a618506f2c00131a3eb9e764ee4422311a2b2f4c
parent      78134300579a45f527ca173ec8fdb4701b69f16e (diff)
download    linux-e1b98fa316648420d0434d9ff5b92ad6609ba6c3.tar.gz
```

locking/rwsem: Add missing ACQUIRE to read_slowpath exit w

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

KERNEL BUG - KVM UNIT TESTS

Luiz Capitulino 2018-11-01 17:21:05 UTC

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.

KERNEL 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        d05719df1a37b94b9f48ce4b6be1050ea6942159
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.

KERNEL BUG - KVM UNIT TESTS

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.

KERNEL BUG - KVM UNIT TESTS

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

```
# ./arm-run ./arm/timer.flat
/usr/libexec/qemu-kvm -nodefaults -machine virt,gic-version=host,accel=kvm
./arm/timer.flat # -initrd /tmp/tmp.zRkD0zlwKv
CNTFRQ_EL0   : 0x000000000002faf080
CNTPCT_EL0   : 0x000000003a36a73ee
CNTP_CTL_EL0 : 0x00000000000000004
CNTP_CVAL_EL0: 0x00000000000000000
CNTVCT_EL0   : 0x00000000000ac748c
CNTV_CTL_EL0 : 0x00000000000000000
CNTV_CVAL_EL0: 0x00000000000000000
PASS: vtimer-busy-loop: not pending before
PASS: vtimer-busy-loop: interrupt signal pending
INFO: vtimer-busy-loop: After timer: 0x00000000000b573a6
INFO: vtimer-busy-loop: Expected   : 0x00000000000b573a6
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
```

KERNEL BUG - KVM UNIT TESTS

```
author      ✨ Wei Huang <wei@redhat.com>          2019-03-29 15:12:53 -0500
committer   🟡 Marc Zyngier <marc.zyngier@arm.com>  2019-03-30 10:06:00 +0000
commit      8fa76162487143d202db20ce84e12061b671a058 (patch)
tree        09aa11fc53786a4e0079683f16752899f4fd875b
parent      8324c3d518cfd69f2a17866b52c13bf56d3042d8 (diff)
download    linux-8fa76162487143d202db20ce84e12061b671a058.tar.gz
```

KVM: arm/arm64: arch_timer: Fix CNTP_TVAL 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_TVAL 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 TVAL registers is expected to be:

KERNEL BUG -BLKTESTS/006 #1

Description of problem:

NULL pointer observed with block/006 on qualcomm-amberwing aarch64

KERNEL BUG -BLKTESTS/006 #1

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 = 000000002a3c51c0
[ 142.372983] [0000000000000330] pgd=0000000000000000, pud=0000000000000000
[ 142.379777] Internal error: Oops: 96000005 [#1] SMP
```

KERNEL BUG -BLKTESTS/006 #1

```
author      = Ming Lei <ming.lei@redhat.com> 2019-03-22 09:13:51 +0800
committer   = Jens Axboe <axboe@kernel.dk> 2019-03-25 13:05:47 -0600
commit      = e6d1fa584e0dd9bfebaef345e9feea588cf75ead2 (patch)
tree        = 0280aa3f29b16e7f8b808795f4feca2cf2cbec4e
parent      = e861857545567adec8da3bdff728efdf7db12285 (diff)
download    = linux-e6d1fa584e0dd9bfebaef345e9feea588cf75ead2.tar.gz
```

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 BUG - BLKTESTS/006 #2

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:
ffffffffffc0738110
[ 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 BUG - BLKTESTS/006 #2

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:
ffffffffffc0738110
[ 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
```

00000000000000400

```
[ 593.959452] Call Trace:
[ 593.959877] blk_mq_sched_tags_teardown+0x40/0x70
[ 593.960628] blk_mq_exit_sched+0x88/0xa0
[ 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 BUG - BLKTESTS/006 #2

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:
ffffffffff00000000
```

```
[ 593.937235] author      = Ming Lei <ming.lei@redhat.com> 2019-06-04 21:08:02 +0800
[ 593.937235] committer   = Jens Axboe <axboe@kernel.dk> 2019-06-06 22:39:39 -0600
[ 593.937235] commit     = c3e2219216c92919a6bd1711f340f5faa98695e6 (patch)
[ 593.937235] tree       = 392cb3a4e9f9de822cd0ef9bfcfca787adcca366
[ 593.937235] parent     = cf1db7fc8c2d31222701bd5c01b9cbaf89d8e7ce (diff)
[ 593.937235] download   = linux-c3e2219216c92919a6bd1711f340f5faa98695e6.tar.gz
```

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.

```
[ 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
```

ZIPL BUG - KDUMP

2) zipl fails when default kernel is a cki kernel 5.0.10-rc1-0b5a71d.cki .

```
# 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 in
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)'
```

ZIPL BUG - KDUMP

Bug 1704263 - zipl fails the BLS title field contains trailing spaces and is set as default

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/vmlinuz-$(uname -r)`
3. Run zipl.

BEATING GREG AT HIS GAME

```
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:
>
>     Kernel repo: git://git.kernel.org/pub/scm/linux/kernel/git/stable/linux.git
>     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

BEATING GREG AT HIS GAME

```
>
> 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_
```

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

STABLE PATCHING GOTCHAS

```
>
> 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
```


STABLE PATCHING GOTCHAS

```
>
> 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

ACCIDENT IN THE MINE

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

Kernel repo: [git://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git](https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git)
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

```
[ 2.942634] Kernel panic - not syncing: boot canary hit
[ 2.947836] CPU: 0 PID: 1 Comm: swapper/0 Not tainted 4.20.4-rc1.cki+
[ 2.954503] Hardware name: www.apm.com American Megatrends/American Megatrends
[ 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
[ 2.990241] Kernel Offset: disabled
[ 2.993711] CPU features: 0x0,20802000
[ 2.997439] Memory Limit: none
[ 3.000481] ---[ end Kernel panic - not syncing: boot canary hit ]---
```

ACCIDENT IN THE MINE

```
+ /*  
+ * If you notice this, your test infrastructure succeeded in finding a  
+ * failure, congratulations  
+ */  
+ panic("boot canary hit");  
+
```

AND MORE...

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 [954a03be033](#)), 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 [mtest06](#) test
 - See [email thread](#) for details
 - Fixed with commit [7a30df49f63ad](#) 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 [89e524c04f](#)
 - See the [mail thread](#) for details of block/001 failure (aarch64)
 - See [this Fedora bug](#) for the details of block/023 failure (ppc64le)
 - Fixed with commit [e91455bad5](#) in 5.3-rc4
- block/006 triggering a panic on 5.2-rc3 kernels
 - Seem [email thread](#) for details
 - Fixed with [c3e2219216](#) in 5.2-rc4

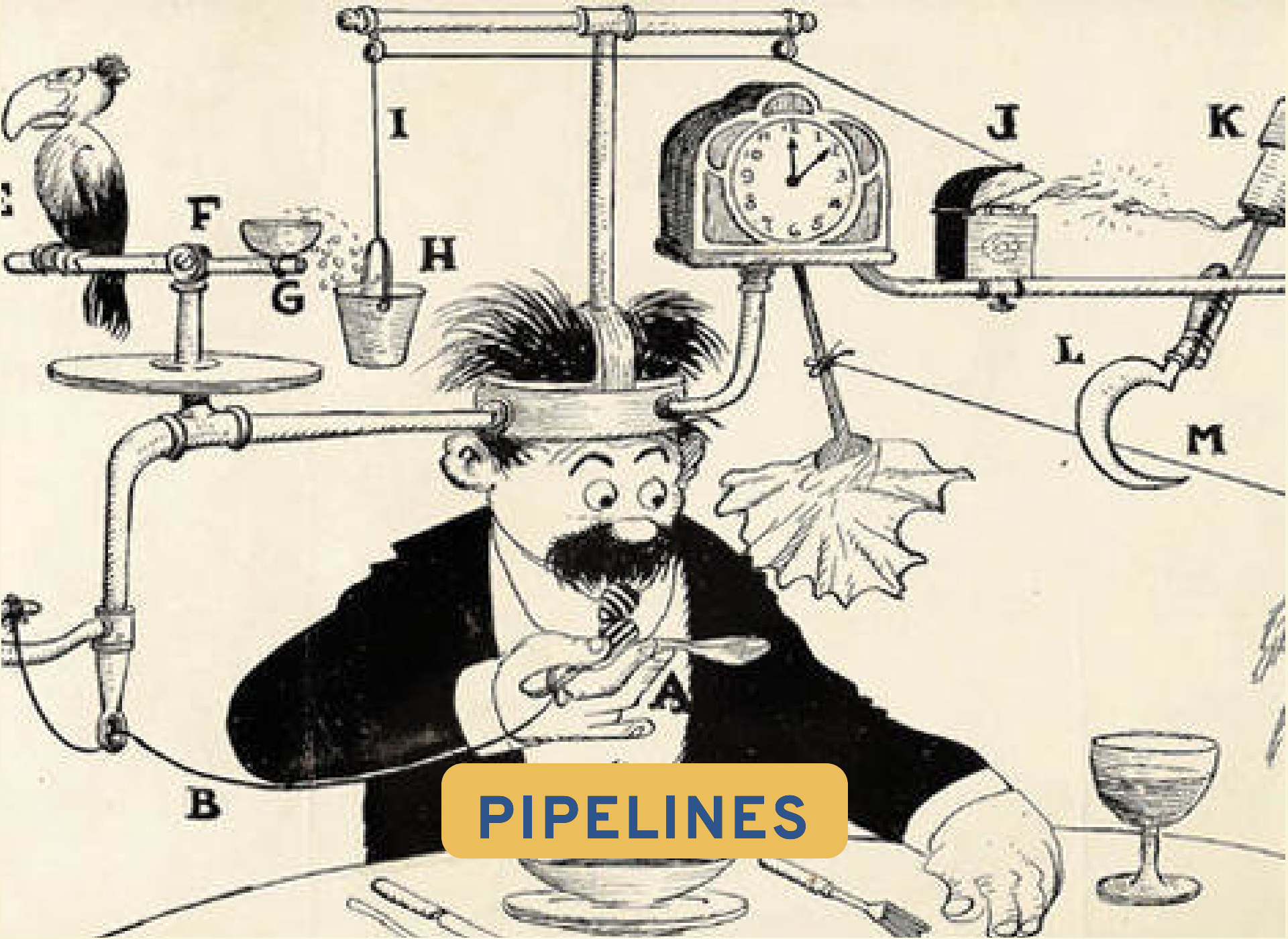
Bugs found by networking tests

- 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

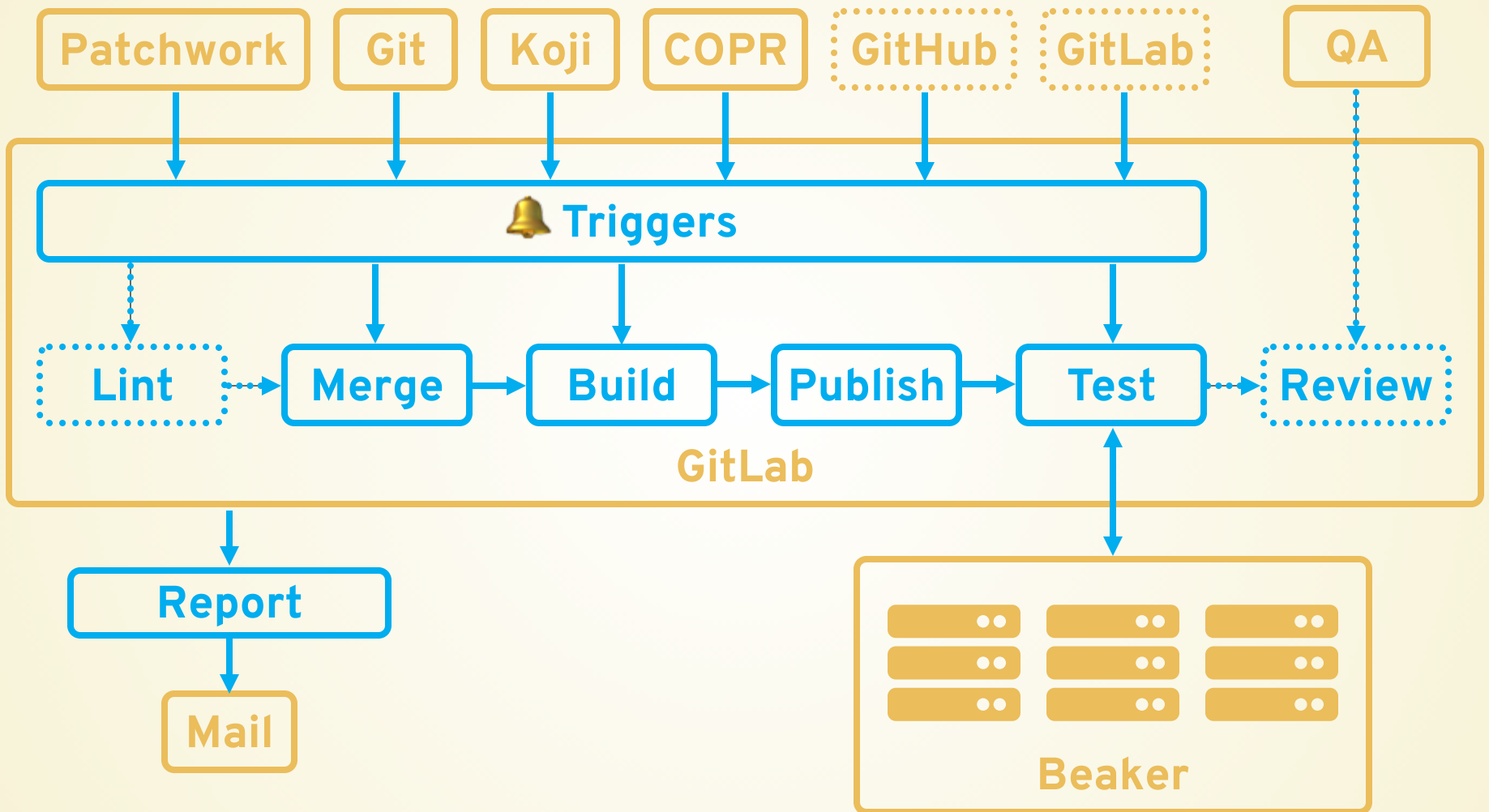
Bugs found by KVM tests

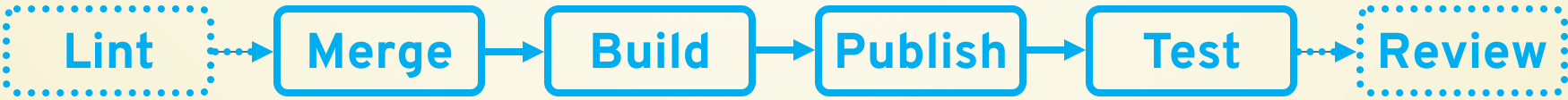
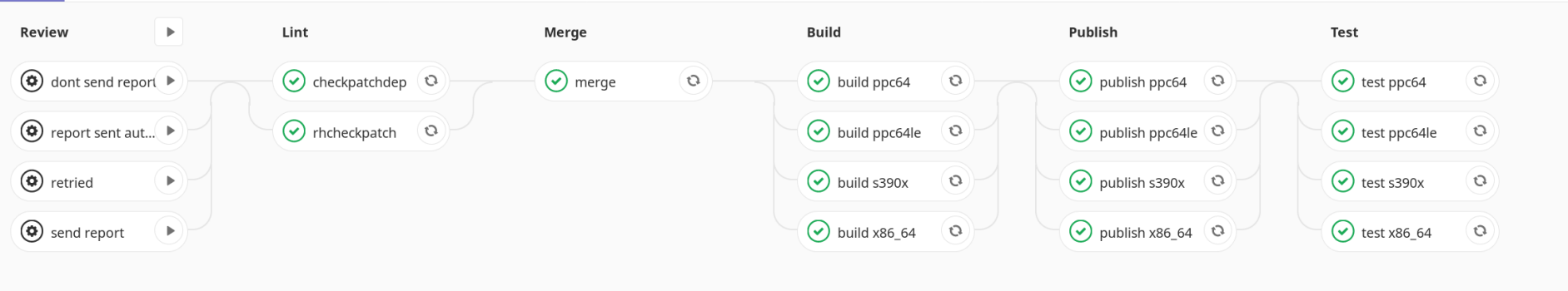
- Timer test failing on 5.1-rc1 on aarch64
 - [Patch](#) posted and merges as commit [8fa761624871](#) in v5.1
- apic-split and apic tests failing TMCCT check on Xeon CPUs
 - Originally discovered on 4.18 kernels
 - Fixed with commit [3d82c565a7a2](#) in 5.0-rc1
- [vmware_backdoor](#) test failing, regression introduced in 5.1-rc6
 - No resolution yet (that I know of), [internal BZ](#)
- svm test failing on AMD on 5.2-rc3 kernels
 - See [email thread](#) with proposed fix for details
 - Fixed with [8f38302c0be](#) in 5.3-rc1

See <https://gitlab.com/cki-project/found-bugs>



PIPELINES





Lint

✓ checkpatchdep

✓ rhcheckpatch



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



Lint

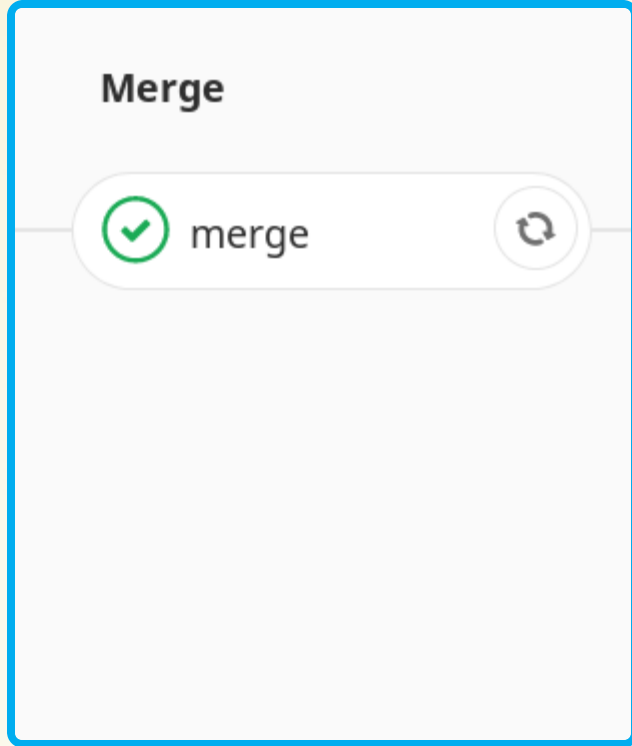
Merge

Build

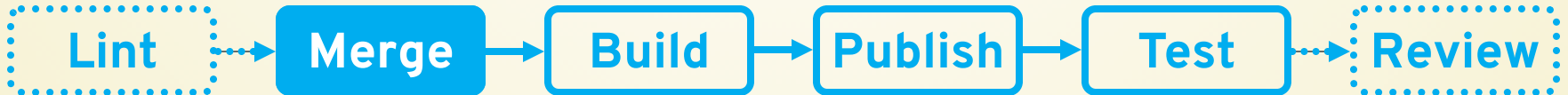
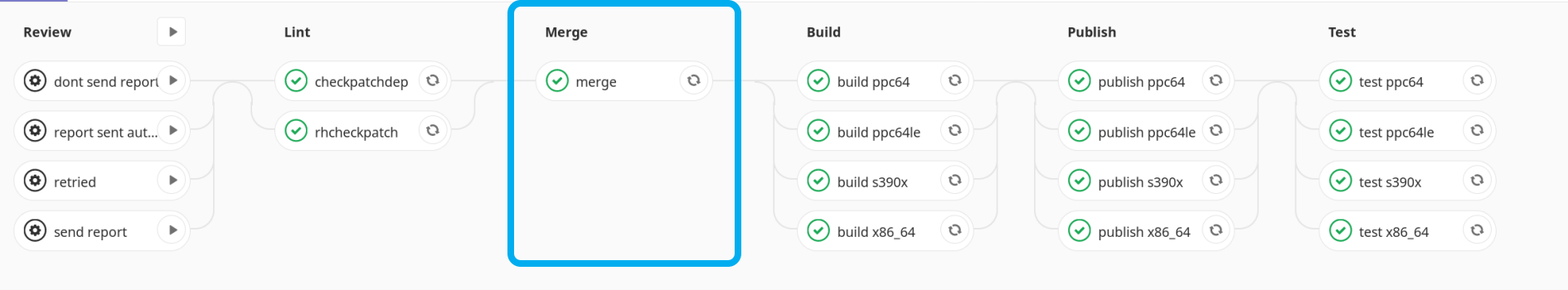
Publish

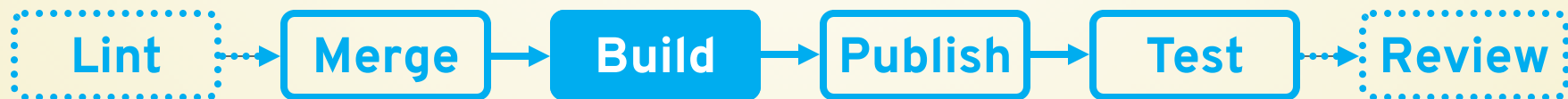
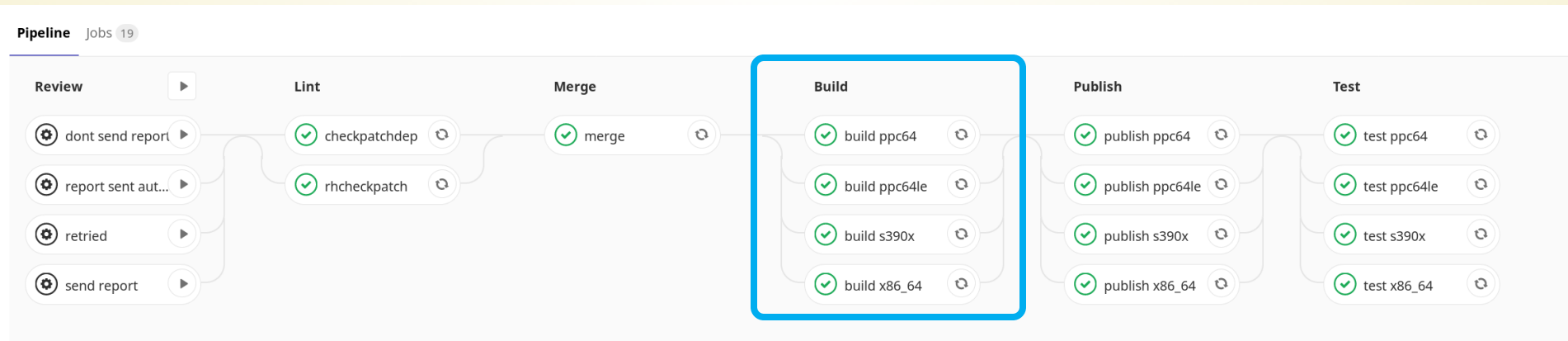
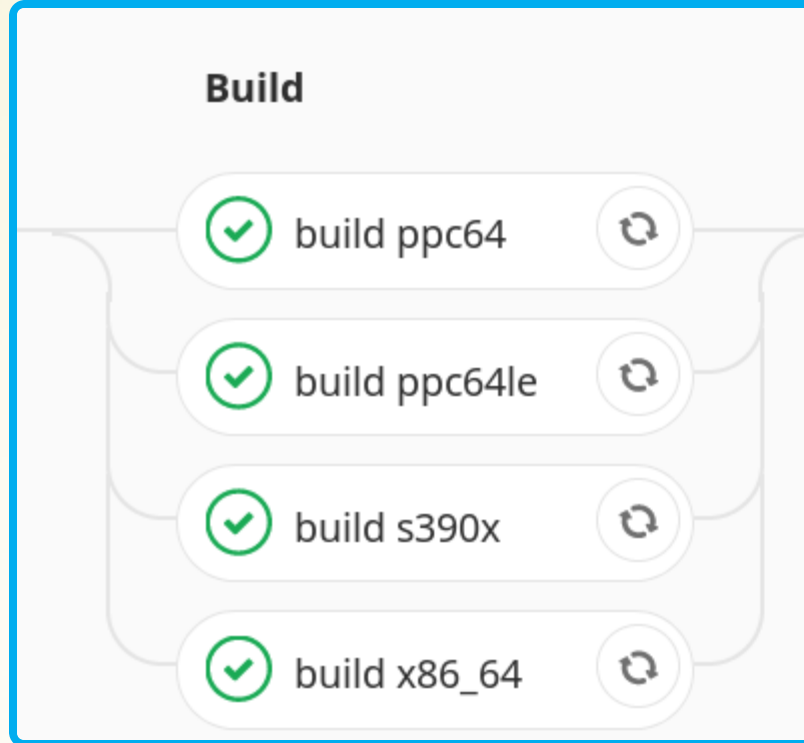
Test

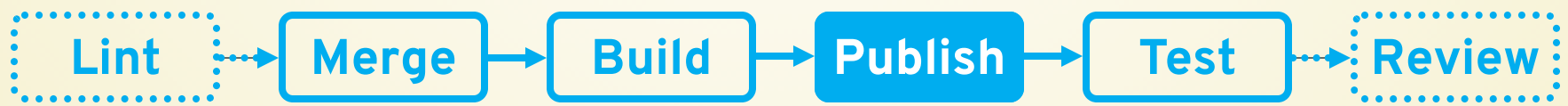
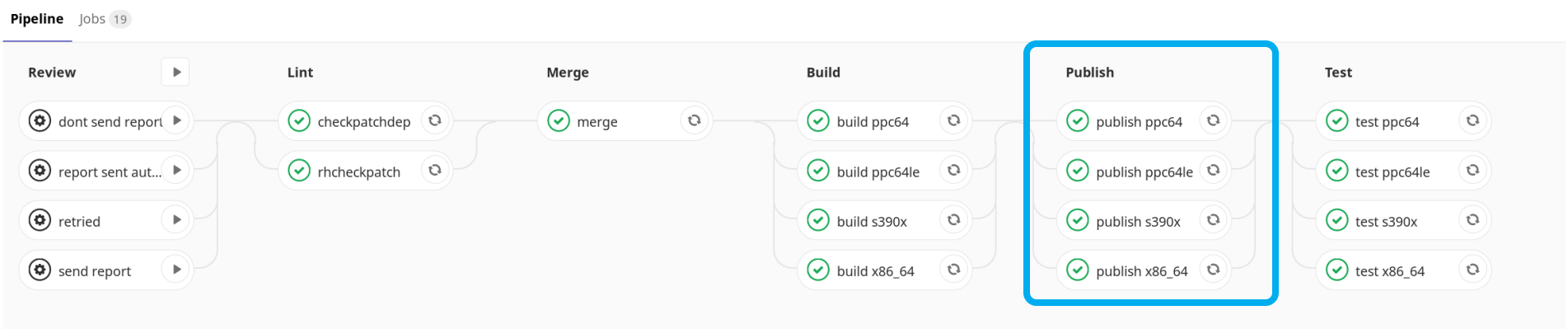
Review

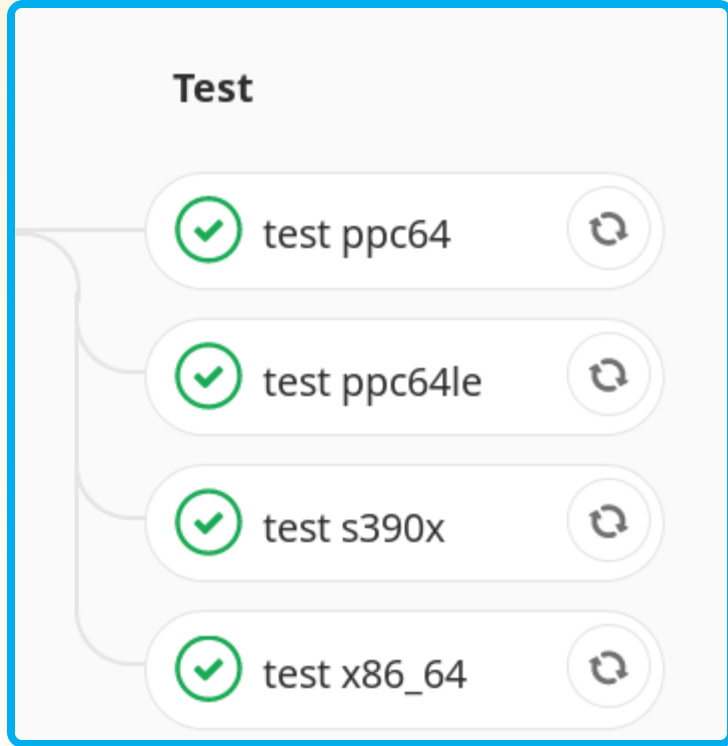


Pipeline Jobs 19

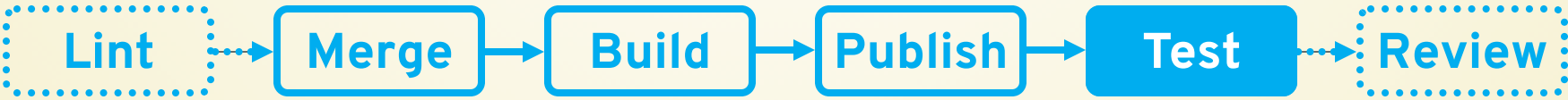
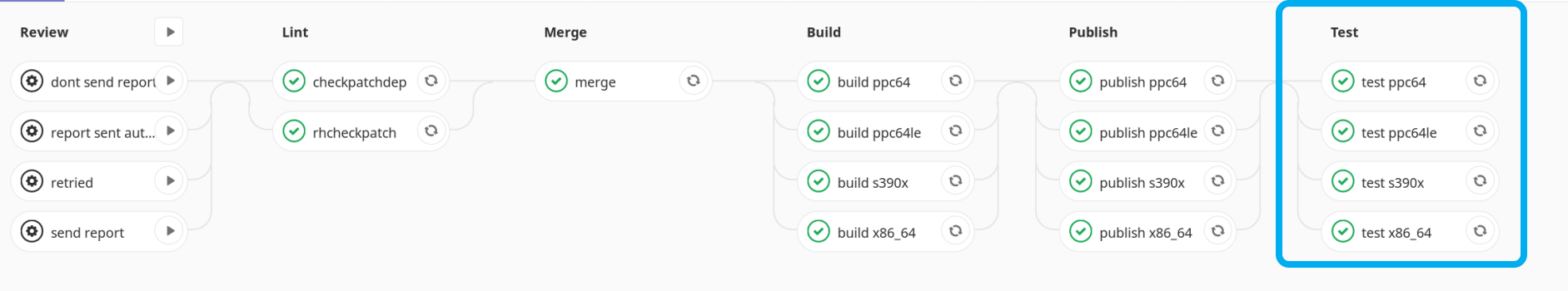


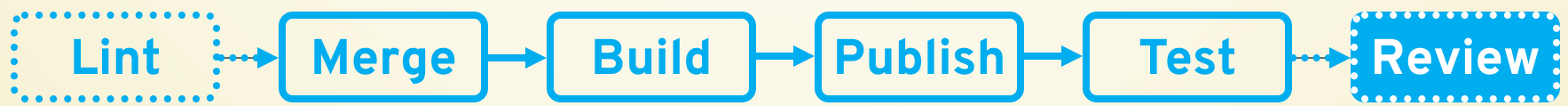
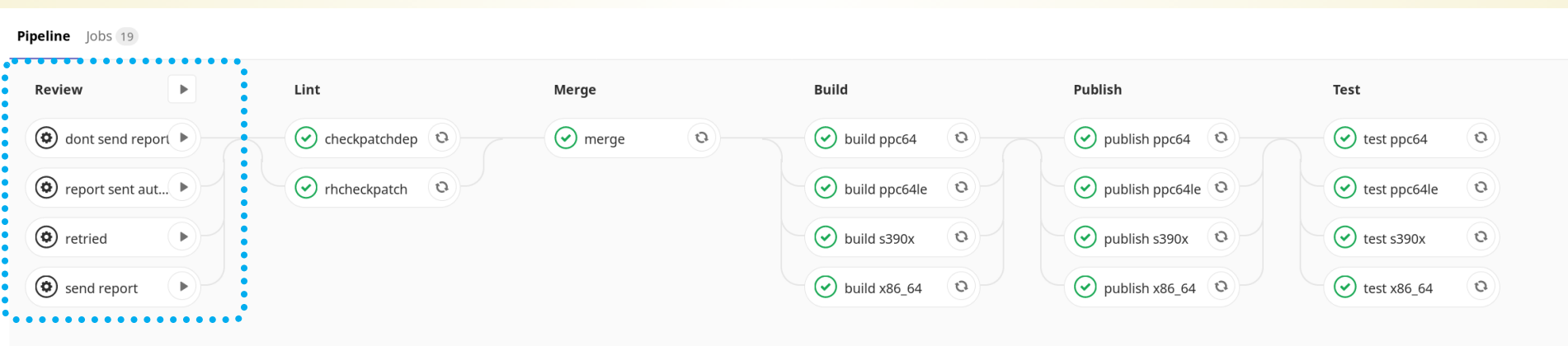
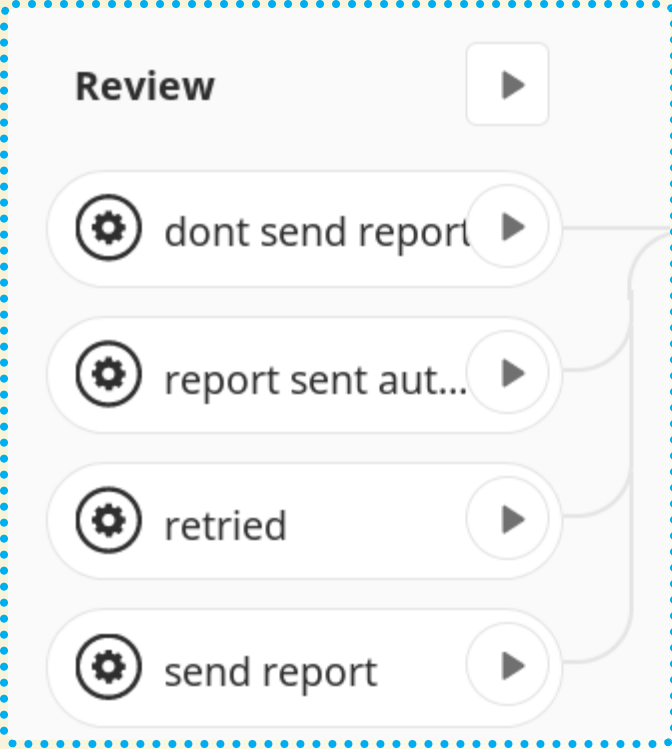




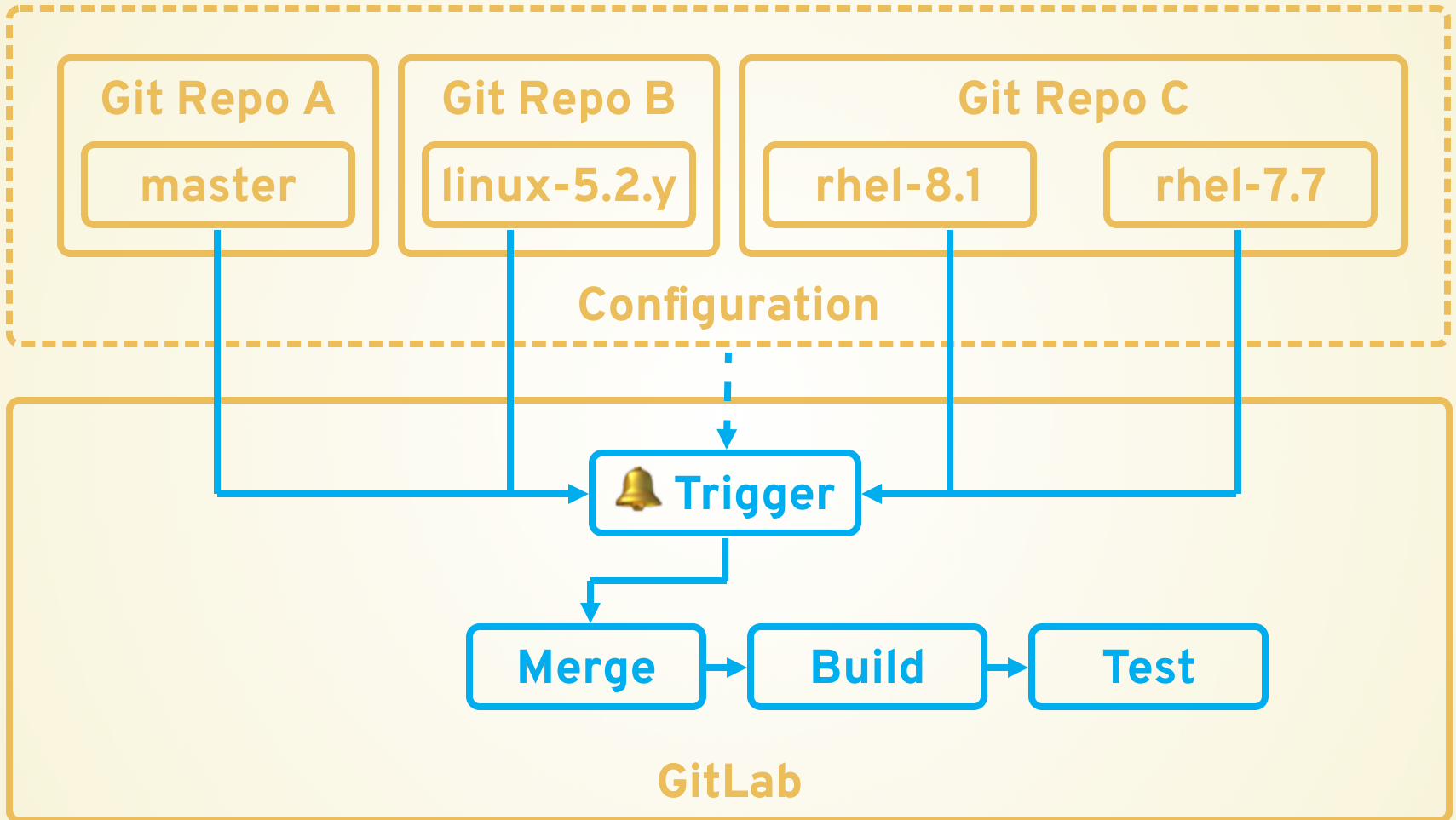


Pipeline Jobs 19

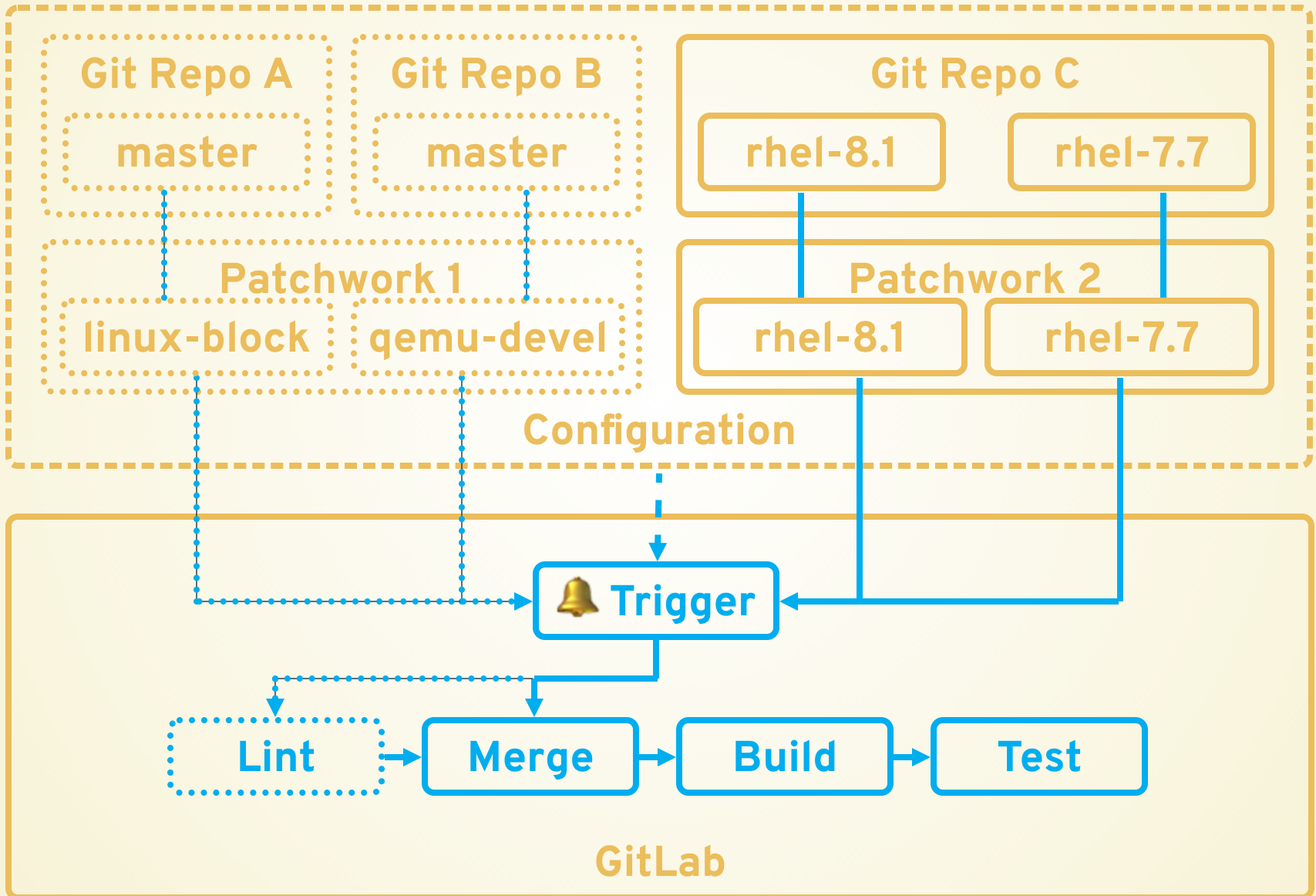




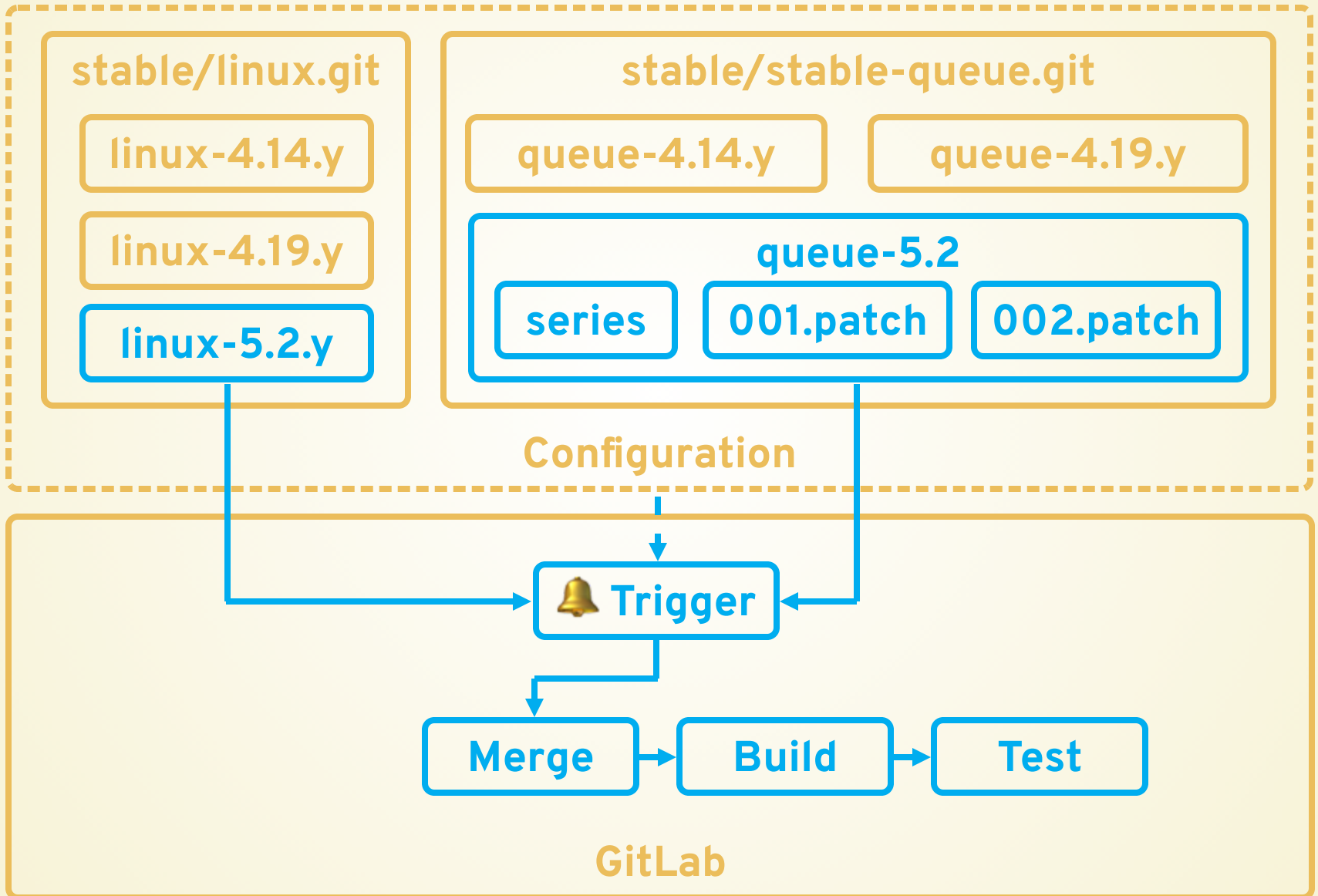
BASELINE TRIGGER



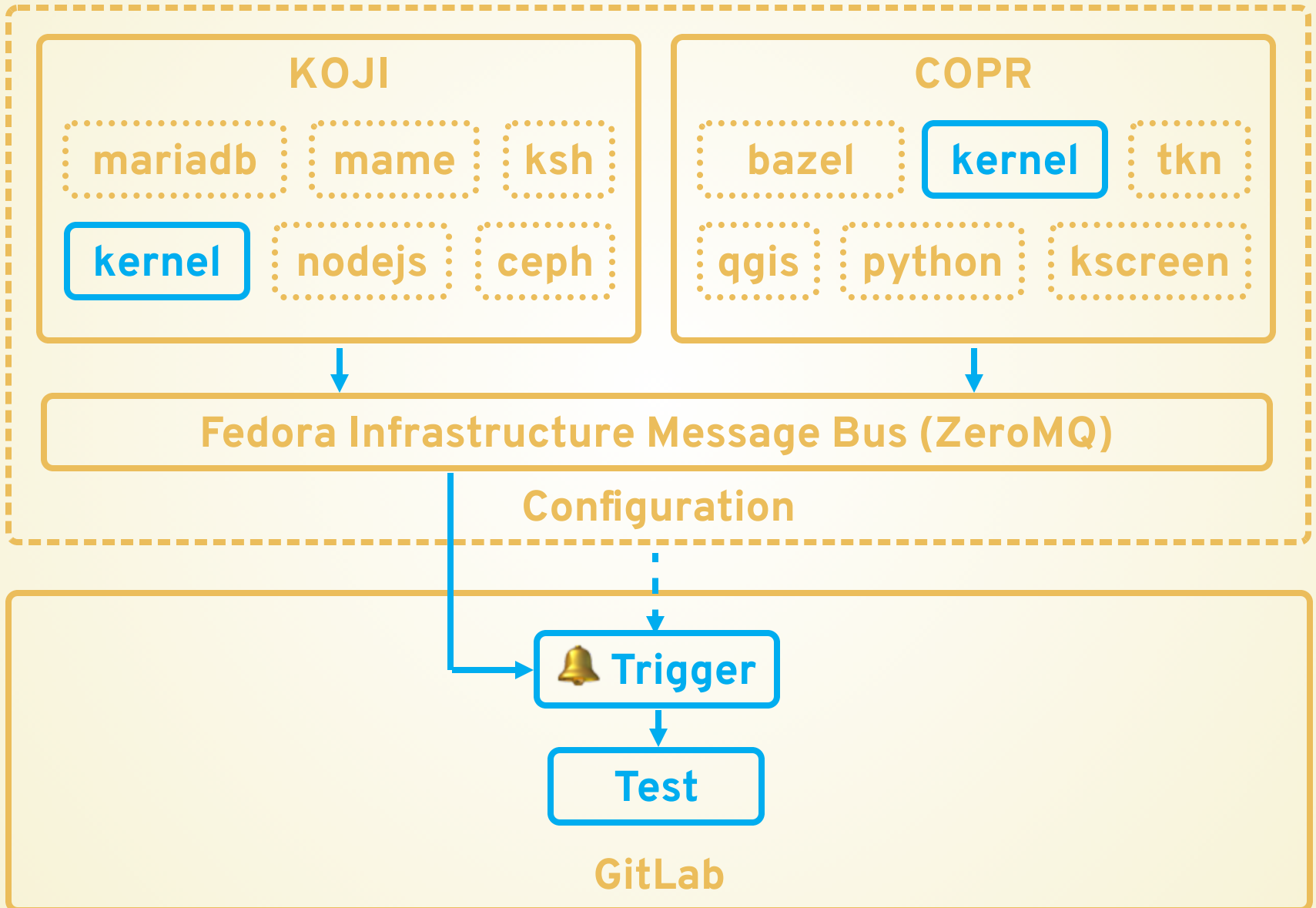
PATCHWORK TRIGGER



STABLE QUEUE TRIGGER



KOJI/COPR 🛎️ TRIGGER



KOJI/COPR TRIGGER

```
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!
```

KOJI/COPR TRIGGER

```
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!
```

KOJI/COPR TRIGGER

```
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  
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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!
```

KOJI/COPR TRIGGER

KOJI

COPR

```
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!
```

GITHUB/GITLAB BOT TRIGGER

PR/MR



fix foo

GitHub/GitLab repo

GITHUB/GITLAB BOT 🔔 TRIGGER

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, !

GitHub/GitLab repo

GITHUB/GITLAB BOT 🔔 TRIGGER

PR/MR

 fix foo

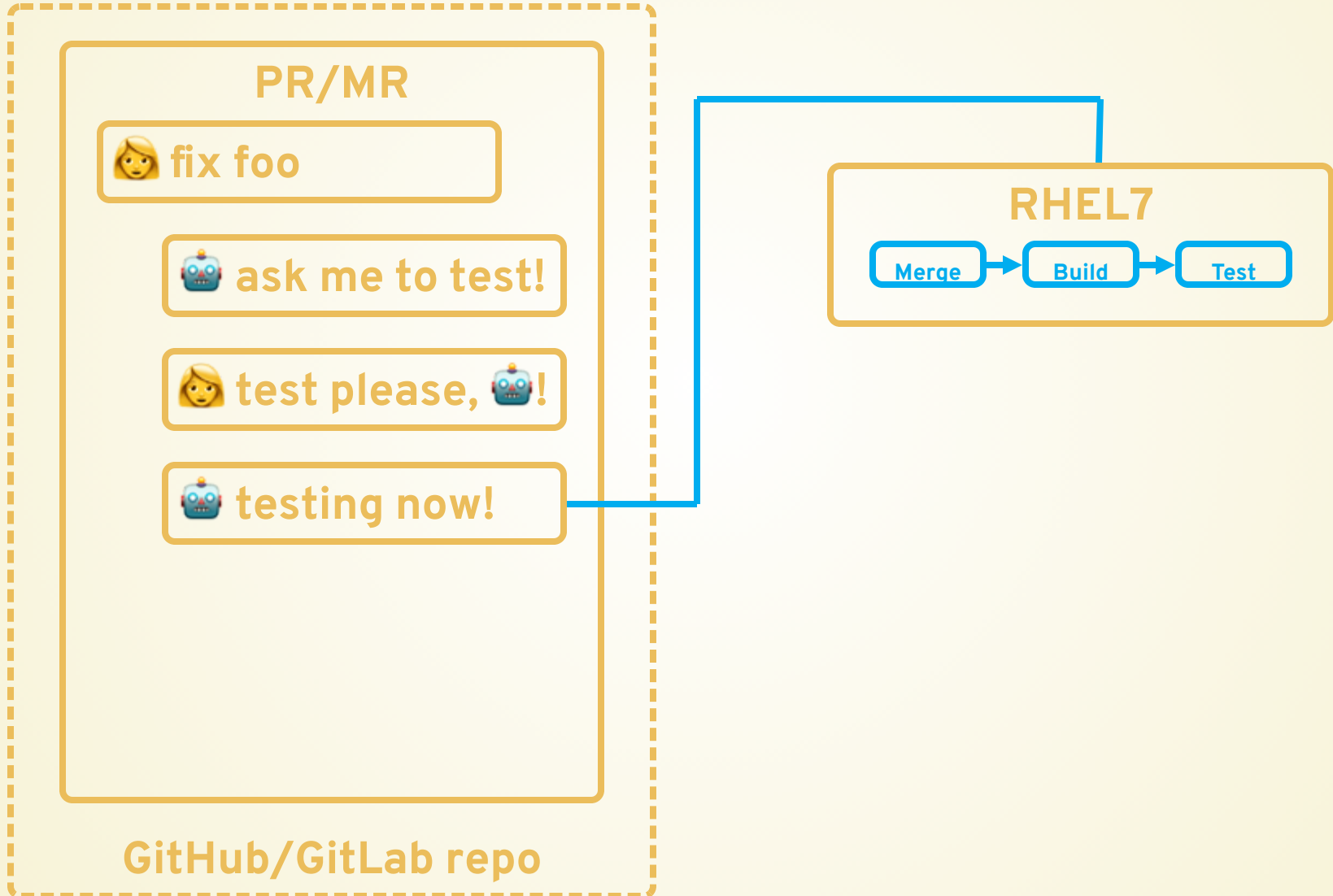
 ask me to test!

 test please, !

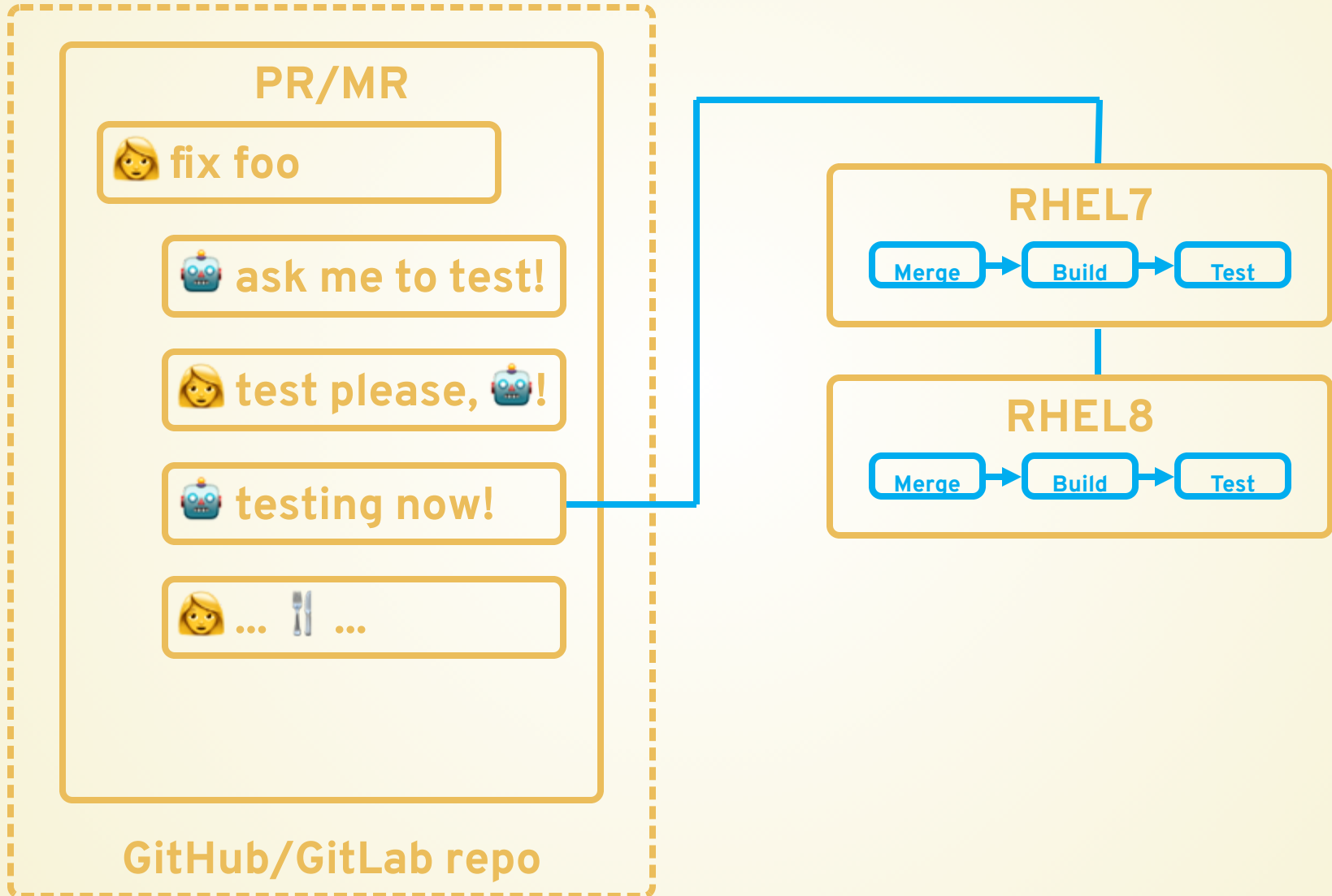
 testing now!

GitHub/GitLab repo

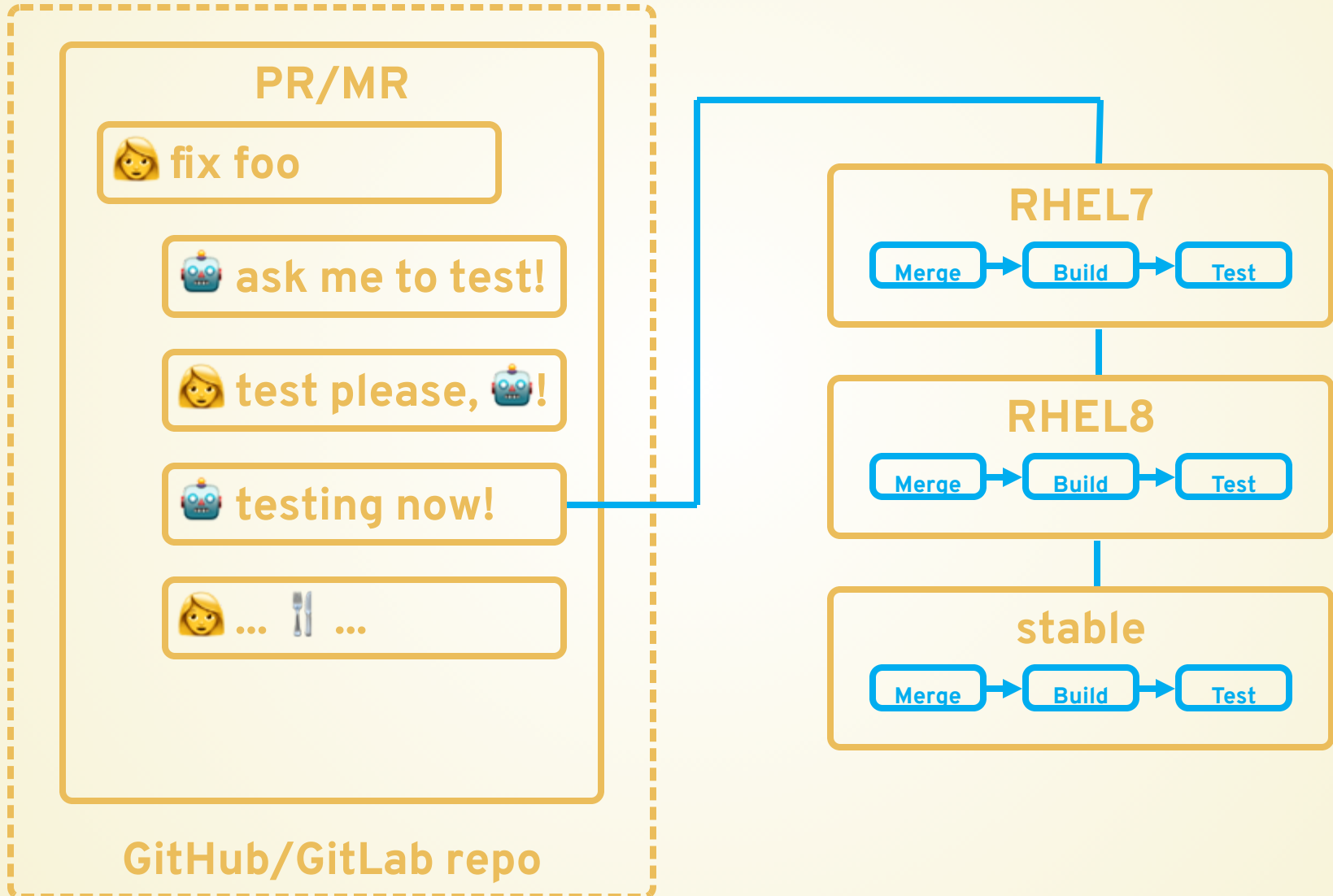
GITHUB/GITLAB BOT 🛎️ TRIGGER



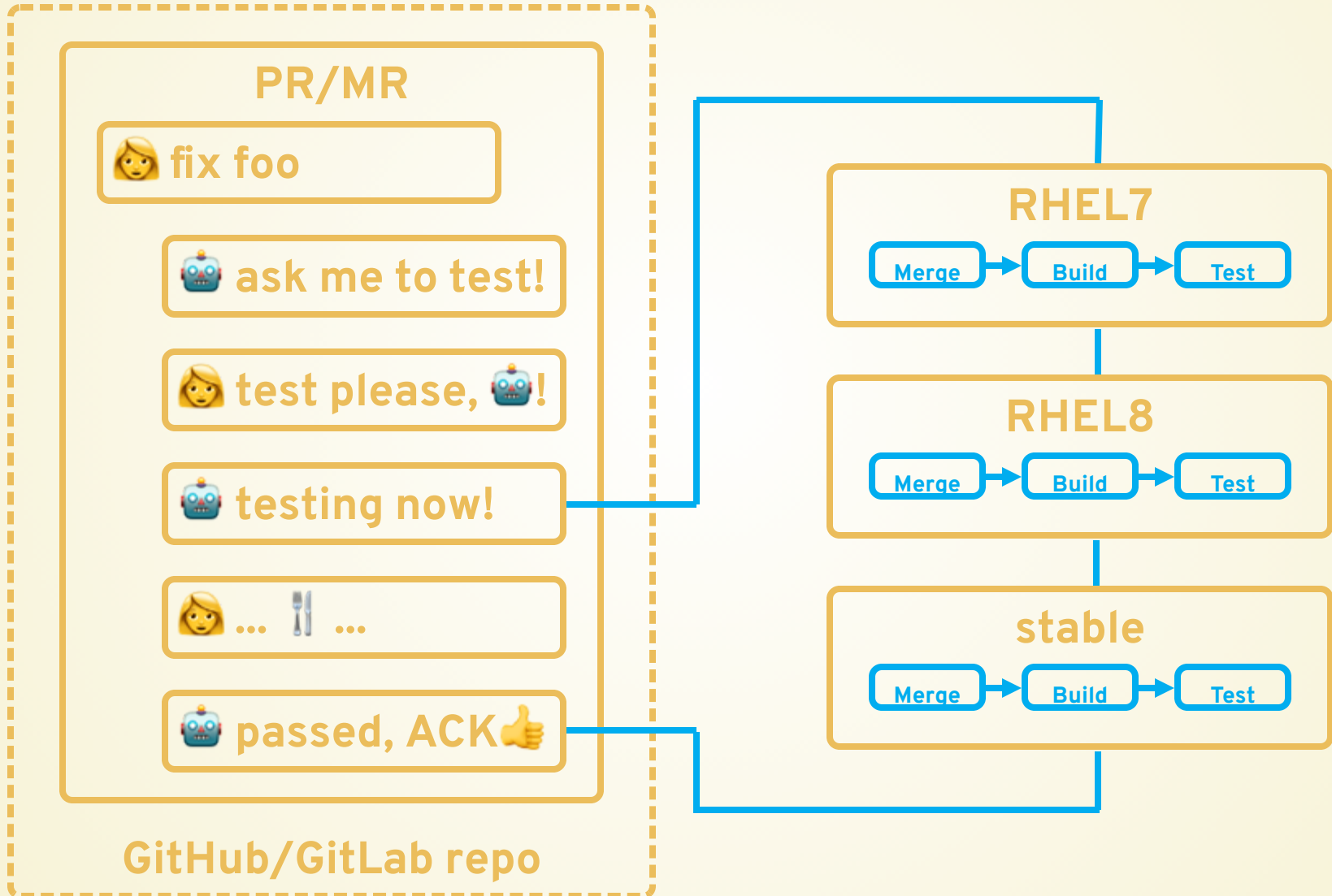
GITHUB/GITLAB BOT 🛎️ TRIGGER



GITHUB/GITLAB BOT 🛎️ TRIGGER



GITHUB/GITLAB BOT 🛎️ TRIGGER



TRIGGERING



 **Baseline Trigger**

 **Patchwork Trigger**

 **Stable Queue Trigger**

 **GitHub Bot Trigger**

 **stable**

 **rhel7**

Pipeline Repo


TRIGGERING

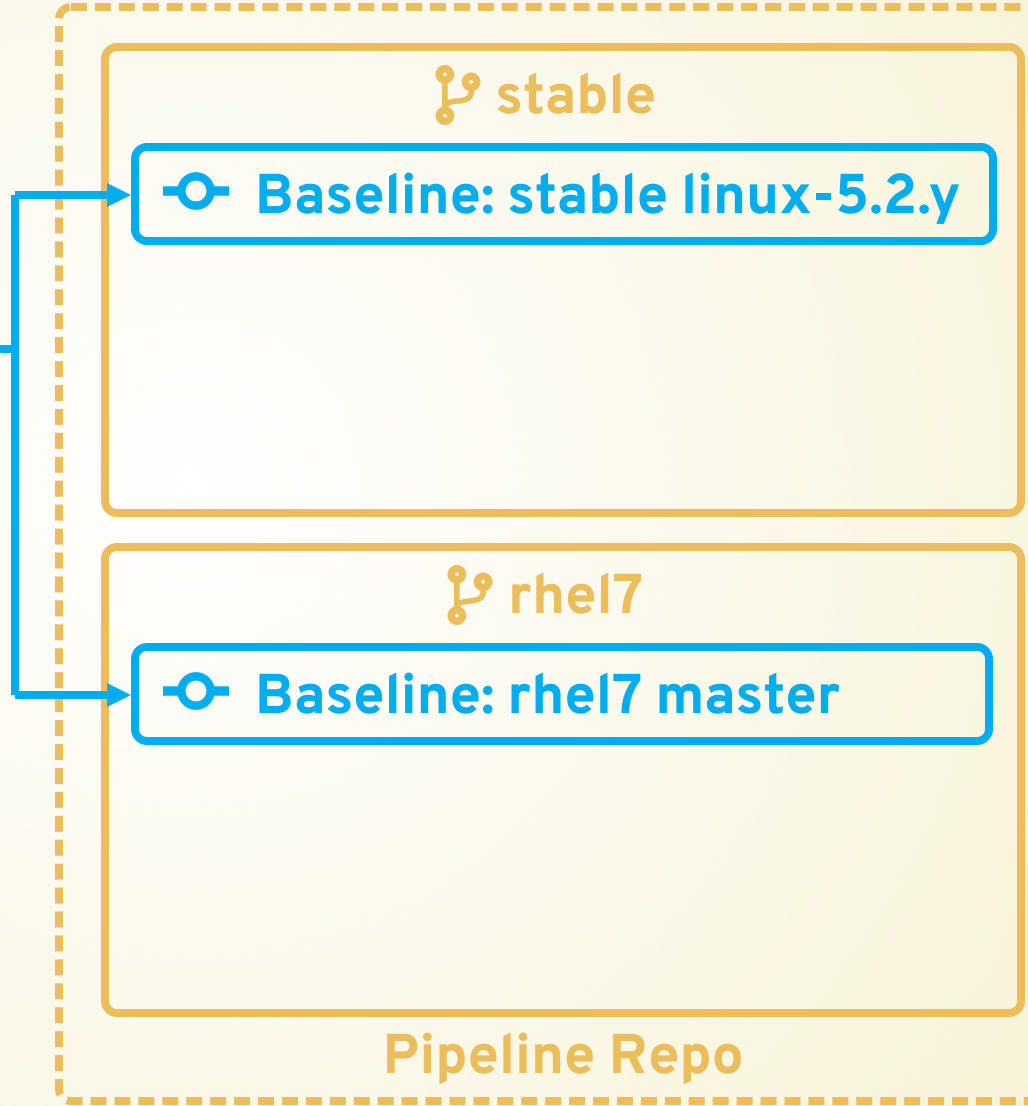


 **Baseline Trigger**

 **Patchwork Trigger**

 **Stable Queue Trigger**

 **GitHub Bot Trigger**



Pipeline Repo

TRIGGERING



 **Baseline Trigger**

 **Patchwork Trigger**

 **Stable Queue Trigger**

 **GitHub Bot Trigger**

 **stable**

 **Baseline: stable linux-5.2.y**

 **Stable queue: queue-5.2**

 **rhel7**

 **Baseline: rhel7 master**

Pipeline Repo

TRIGGERING



 **Baseline Trigger**

 **Patchwork Trigger**

 **Stable Queue Trigger**

 **GitHub Bot Trigger**

 **stable**

 **Baseline: stable linux-5.2.y**

 **Stable queue: queue-5.2**

 **rhel7**

 **Baseline: rhel7 master**

 **Patch: rhel77: Fix that ...**

Pipeline Repo

TRIGGERING



 **Baseline Trigger**

 **Patchwork Trigger**

 **Stable Queue Trigger**

 **GitHub Bot Trigger**

 **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



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



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



TRIGGERING



Red Hat Projects Groups More + Search or jump to... 1 ?

CKI Project > CKI Pipeline > Commits

upstream-stable cki-pipeline [Create merge request](#) Filter by commit message

30 Aug, 2019 4 commits

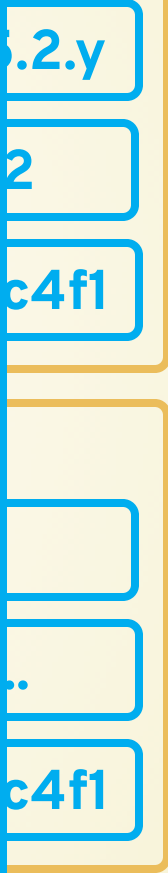
	Stable queue: queue-5.2 CKI Bot authored 2 days ago		666ec71b		
	Retrigger: test-kpet-db-367c0556 CKI Bot authored 2 days ago		edddf5e4		
	Stable queue: queue-5.2 CKI Bot authored 3 days ago		a8e857e6		

29 Aug, 2019 7 commits

	Retrigger: test-kpet-db-7602e199 CKI Bot authored 3 days ago		7b0da6d5		
	Stable queue: queue-5.2 CKI Bot authored 4 days ago		53c31032		

28 Aug, 2019 13 commits

	Retrigger test-tests-beaker@kpkginstall-install-debug-kernels: Baseline:... CKI Bot authored 4 days ago		6b97765d		
--	--	--	----------	--	--





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



TRIGGERING



Red Hat Projects Groups More + Search or jump to...

CKI Project > CKI Pipeline > Commits

rhel7 cki-pipeline [Create merge request](#) Filter by commit message

05 Sep, 2019 15 commits

	Patch: rhel77: [RHEL 7.7 PATCH BZ 123456 v5 6/6] Fix one thing ...	✓	869cedc5		
CKI Bot authored 11 hours ago					
	Retrigger: test-kpet-db-9d1de29b ...	🌙	e6a18628		
CKI Bot authored 11 hours ago					
	Patch: rhel77: [PATCH RHEL7 BZ3332211] Remove another thing ...	✓	e253f2cb		
CKI Bot authored 18 hours ago					
	Baseline: rhel7 master:8940242d9c96 ...	✓	0db89043		
CKI Bot authored 23 hours ago					
	Patch: rhel77: [RHEL7.7 BZ 1112233] Add something ...	✓	3fdb51d		
CKI Bot authored 1 day ago					
04 Sep, 2019 15 commits					
	Patch: rhel77: [RHEL7.7 PATCH 2/2] Redo everything ...	✓	a16ff900		
CKI Bot authored 1 day ago					

.2.y

2

c4f1

..




c4f1






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



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



TRIGGERING

Commit 01f32c7b  authored 1 day ago by  CKI Bot

Options ▾

Baseline: stable linux-5.2.y:9f631715ffe6

```
git_url = git://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
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>
mail_add_maintainers_to = cc
report_template = limited
require_manual_review = False
config_target = olddefconfig
publish_elsewhere = True
report_types = email
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
```

5.2.y

2

c4f1

..

c4f1





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



TRIGGERING



stable

Commit **c7060e6c** authored 1 week ago by **CKI Bot**

[Browse files](#)

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
```

.2.y

2

c4f1

c4f1



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



TRIGGERING

Commit 0396c481  authored 7 hours ago by  CKI Bot

Options ▾

Stable queue: queue-5.2

```
git_url = https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux.git
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = upstream-stable
queue_url = https://git.kernel.org/pub/scm/linux/kernel/git/stable/stable-queue.git
mail_to = Linux Stable maillist <stable@vger.kernel.org>
mail_from = CKI Project <cki-project@redhat.com>
mail_bcc = skt-results-redacted@redhat.com
min_commit_age = 30
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
patch_urls = https://git.kernel.org/pub/scm/linux/kernel/git/stable/stable-queue.git
cki_pipeline_id = 7d45d164480a5e1db2b69c2520cb0853d01ce389db4ff653df161277a5953448
make_target = targz-pkg
title = Stable queue: queue-5.2
subject = Stable queue: queue-5.2
mail bcc = skt-results-redacted@redhat.com
```

5.2.y

2

c4f1

..

c4f1





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



TRIGGERING



Commit 3440e7a9 authored 1 week ago by CKI Bot

Browse files

Opti

Patch: rhel77: [PATCH rhel7 5/5] Fix that thing

```
git_url = http://redacted.redhat.com/git/rhel7.git
branch = master
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = rhel7
mail_to = skt-results-redacted@redhat.com, dev1@redhat.com, dev2@redhat.com, qa1@redhat.com
mail_from = CKI Project <cki-project@redhat.com>
report_types = ...
patchwork_url = http://redacted.redhat.com
patchwork_project = rhel-77
cki_pipeline_type = patchwork
name = rhel77
commit_hash = 1fd9306e354e75524a35fd3fa5074826a2f03c44
skipped_series =
patch_urls = http://redacted.redhat.com/patch/1503902/mbox/
submitter = dev1@redhat.com
title = rhel77: [PATCH rhel7 5/5] Fix that thing
message_id = <86fef36e8772b0227253110c1b744dc8d65f4ed4.1566578011.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/
```

2.y

2

c4f1

c4f1



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



TRIGGERING



 stable

Commit 8a715b7e  authored 17 hours ago by  CKI Bot

Options ▾

Retrigger: test-kpet-db-c1c4f100

```
branch = linux-5.2.y
cki_pipeline_branch = upstream-stable
cki_pipeline_id = 05c52e8f8f1be02f1d49c62249...29b1cf6a42b82e6c330e49ab30b
require_manual_review = False
title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cee.redhat.com/cki-project/kpet-db/-/archive/c1c4f100/kp
mail_cc =
send_report_to_upstream = false
skip_beaker = false
send_pre_test_notification = False
subject = Retrigger: Baseline: stable linux-5.2.y:f7d5b3dc4792
...
This GitLab server is powered by CKI and love 🍷
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
```

5.2.y

2

c4f1

..

c4f1



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



TRIGGERING



 stable

Commit 45eaf2e0  authored 18 hours ago by  CKI Bot

Options ▾

Retrigger: test-kpet-db-c1c4f100

```
branch = master
cki_pipeline_branch = rhel7
cki_pipeline_id = fe33bd258b450...429d38ad448...274f88ff59d...
title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cee.redhat.com/cki-project/kpet-db/-/archive/c1c
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-pipelin
ARTIFACT_URL_s390x = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
```

2.y

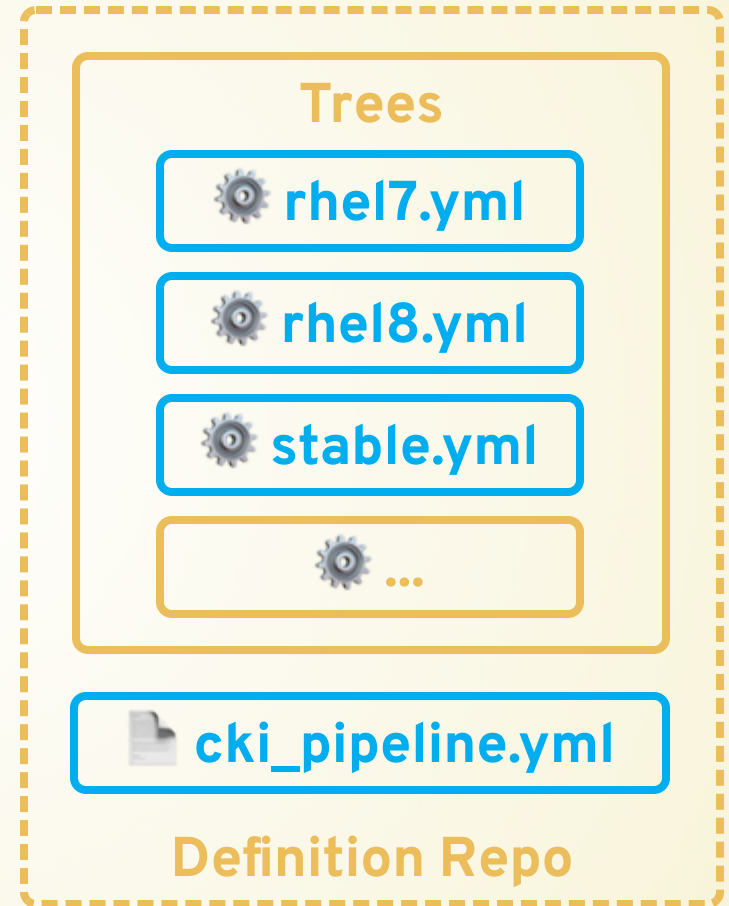
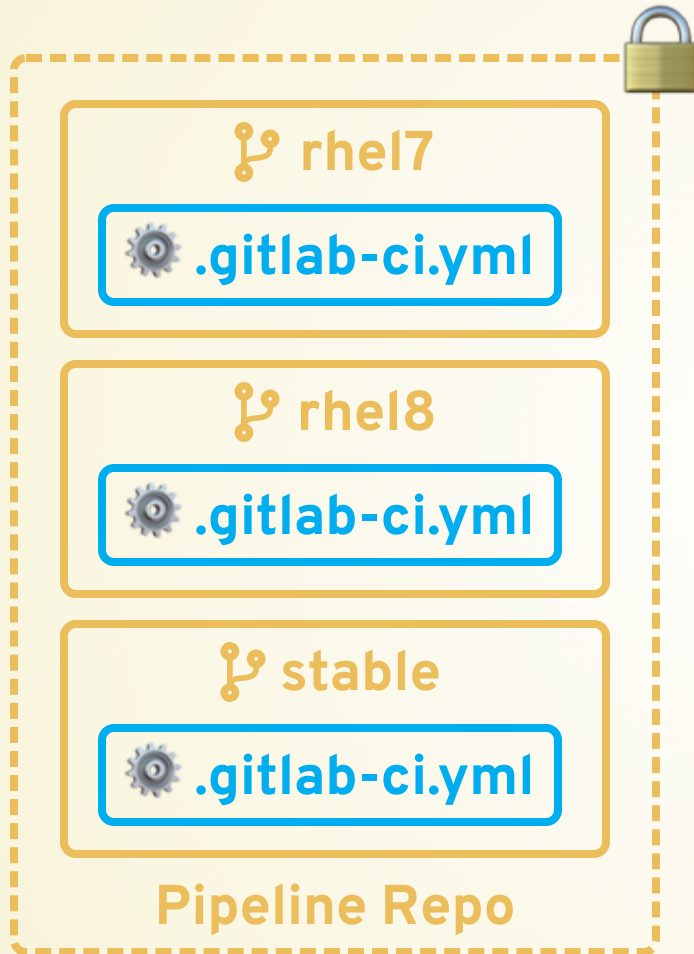
2

c4f1

..

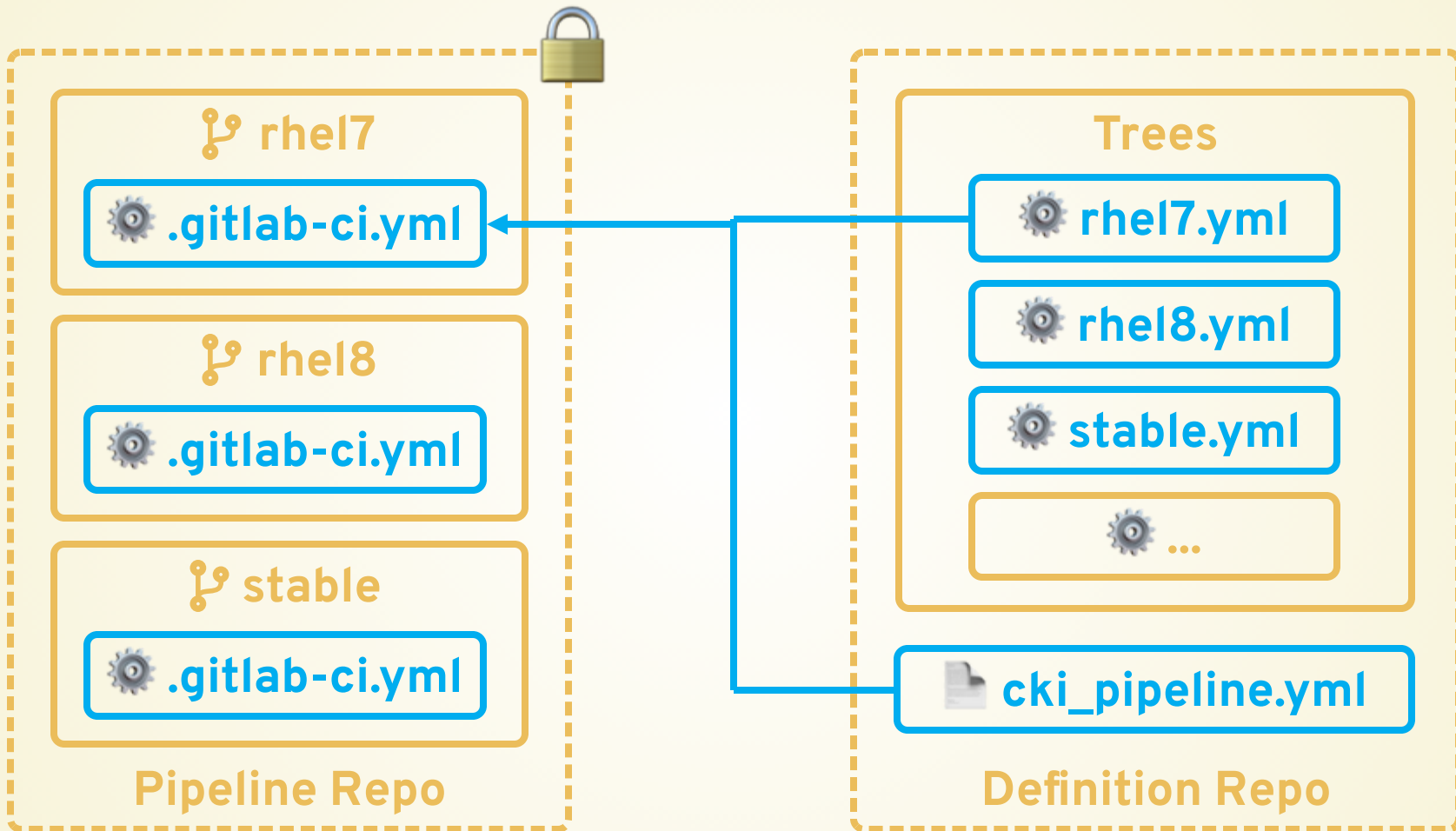
c4f1

TRIGGERING

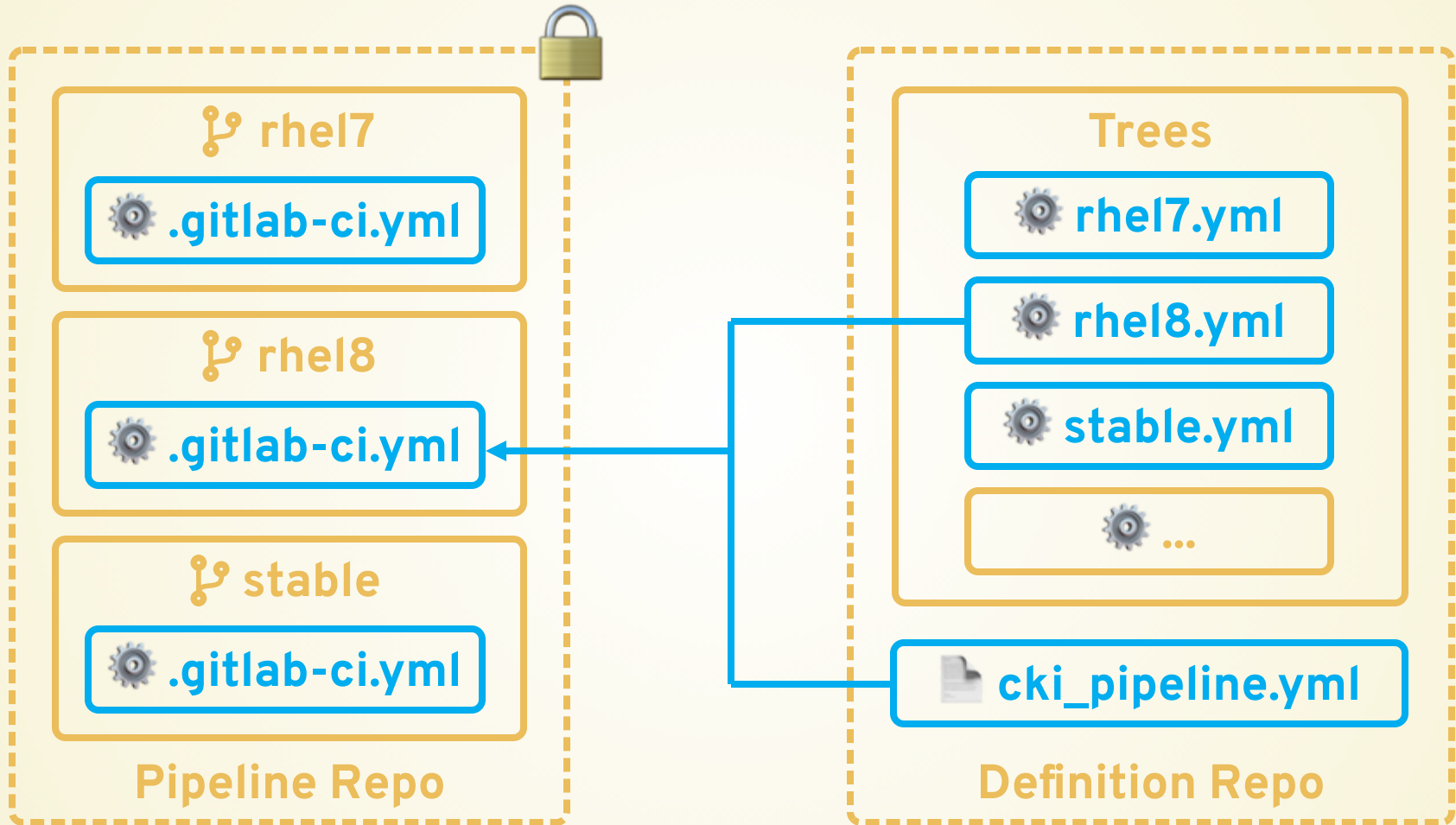




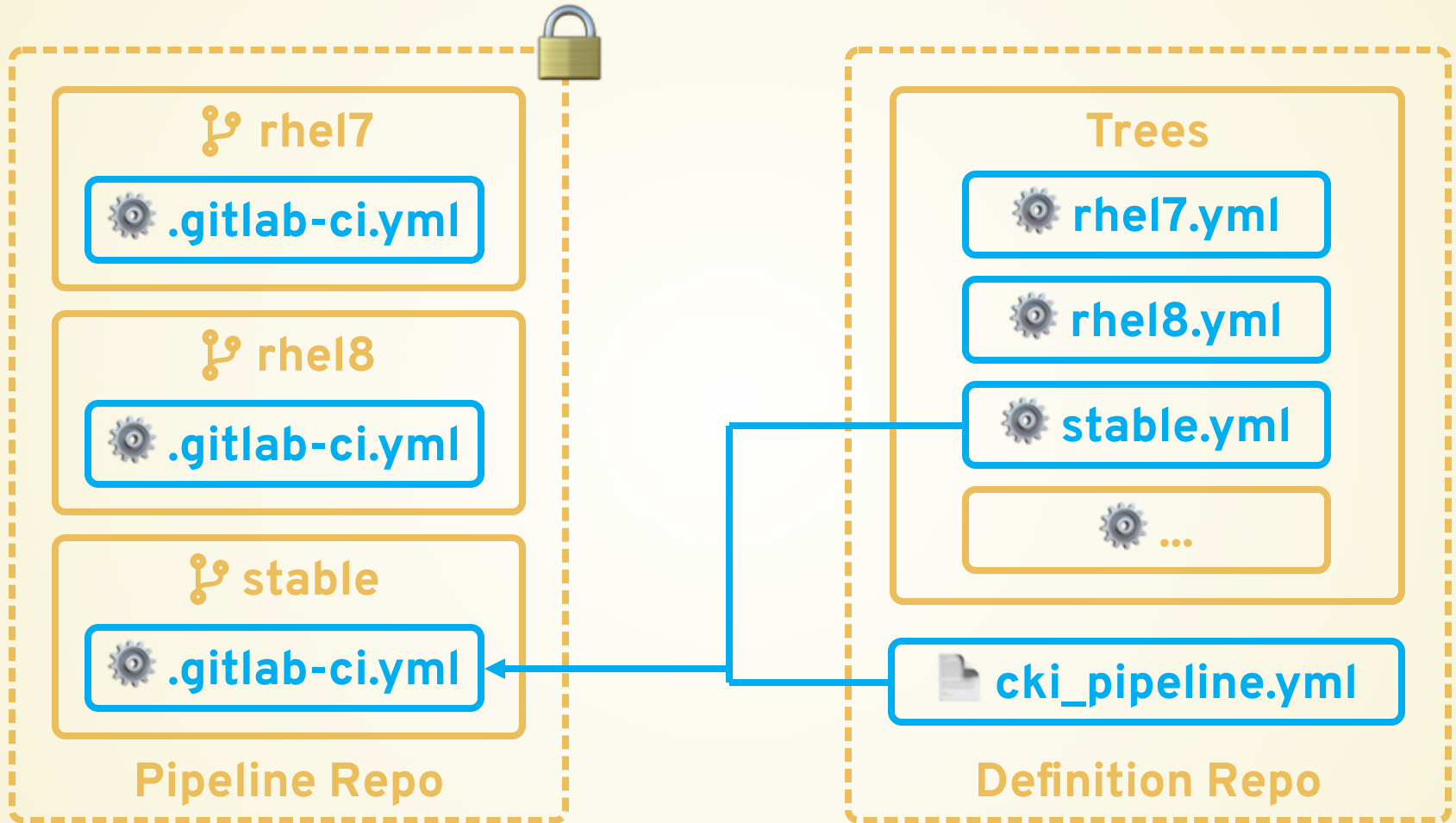
TRIGGERING



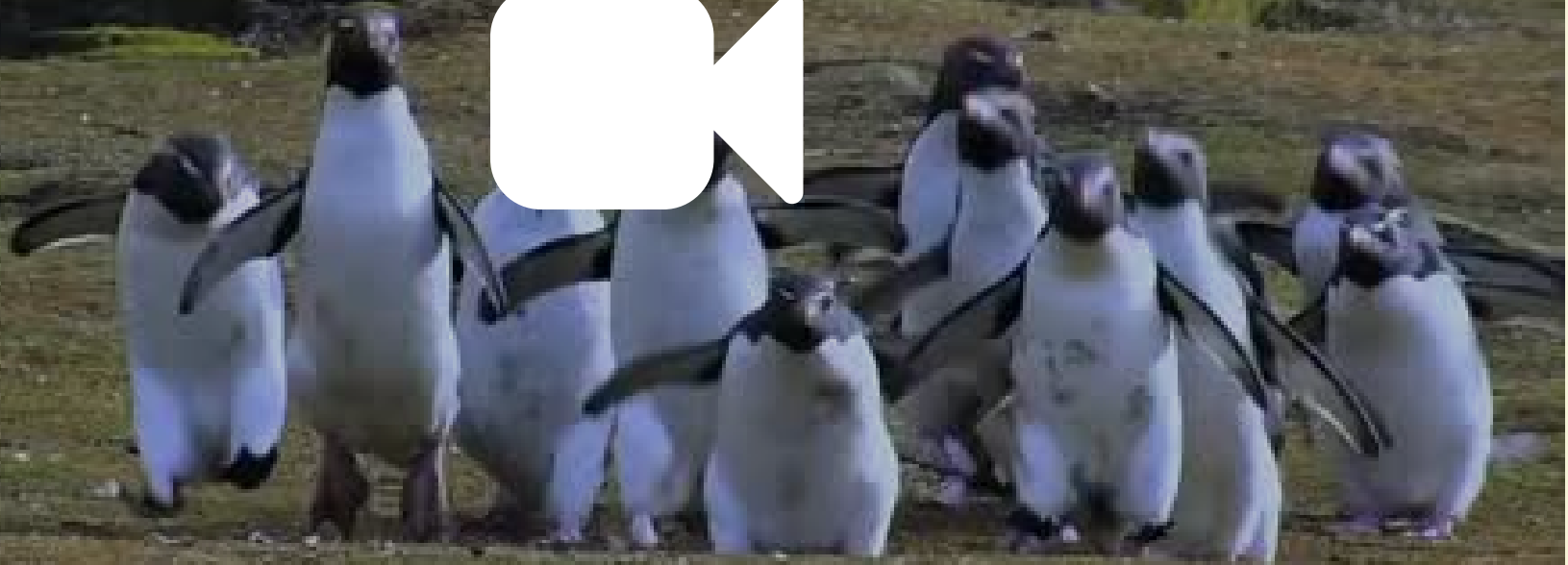
TRIGGERING

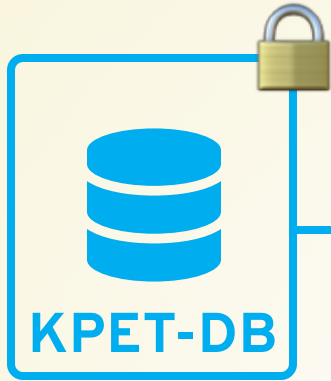


TRIGGERING

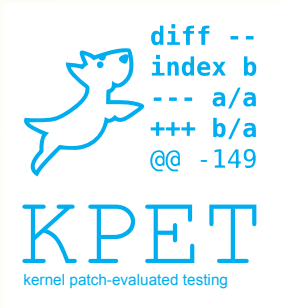


TESTING





YAML



XML

Beaker



YAML

```
diff --  
index b  
--- a/a  
+++ b/a  
@@ -149
```

KPET
kernel patch-evaluated testing

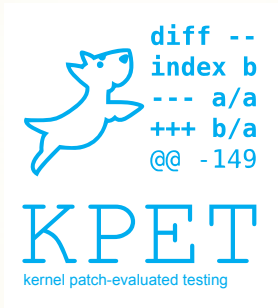
The code block contains a diff command and its output. To the left of the diff output is a small icon of a dog jumping. Below the diff output is the KPET logo, which consists of the text "KPET" in a large, bold, sans-serif font, with "kernel patch-evaluated testing" in a smaller font below it.

XML

Beaker



YAML

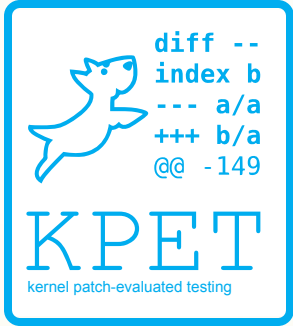


XML





YAML

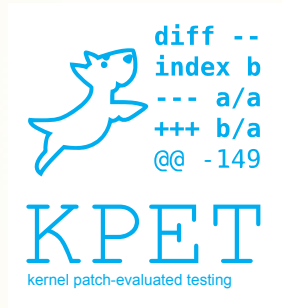


XML

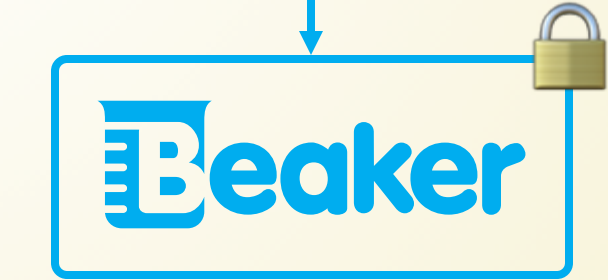




YAML



XML



KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

Host Types

bare_metal

megaraid

rdma

+...

KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

Host Types

bare_metal

megaraid

rdma

+...

Trees

rhel7

rhel8

stable

+15

KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

Host Types

bare_metal

megaraid

rdma

+...

Trees

rhel7

rhel8

stable

+15

Comps

headers

devel

debug

+2

KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

Host Types

bare_metal

megaraid

rdma

+...

Trees

rhel7

rhel8

stable

+15

Comps

headers

devel

debug

+2

Sets

net

fs

mem

+5

KPET-DB

Arches

x86_64

aarch64

ppc64le

+2

Host Types

bare_metal

megaraid

rdma

+...

Trees

rhel7

rhel8

stable

+15

Comps

headers

devel

debug

+2

Sets

net

fs

mem

+5

Suites

LTPLite

USEX

blocktests

xfstests

realtime

KVM

kdump

stress-ng

firewall

+66

KPET-DB

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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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:  
      - kt1  
      - 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/kernel/asm-kvm.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
```


SUITE DATA

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description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
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  - Marcelo Condotta <mbandeir@redhat.com>
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  sets:
    or:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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'
```

CKI-project / tests-beaker

Code

Issues 0

Pull requests 2

Projects 0

Branch: master

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



mcondotta and veruu vm/kvm-unit-tests: Increase the timeout for the sieve t... (r.h)

..

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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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:
      - kt1
      - 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/kernel/arch_timer.c
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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
```

```
{% if ARCH == "aarch64" %}  
  <not>  
    <or>  
      <hostname op="like" value="mustang%"/>  
      <hostname op="like" value="hp%moonshot-%"/>  
    </or>  
  </not>  
{% endif %}
```

```
- arch/arm64/include/asm/cputeature.h(arch_timer.h)  
- arch/arm64/kernel/cputeature.c  
- arch/arm64/lib/cputeature.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
```

SUITE DATA

```
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.i2
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.h|arch_timer.h)
      - arch/arm64/kernel/cpufeature.c
      - arch/arm64/kernel/irqchip/.*
      - 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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  arches:
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      - x86_64
      - aarch64
      - ppc64le
      - s390x
  trees:
    or:
      - rhel8
      - ark
cases:
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    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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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:
      - kt1
      - 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/kernel/irqchip/.*
      - 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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  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:
      - kt1
      - 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/kernel/asm-kvm.h
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/*.c
  arches:
    or:
      - x86_64
      - aarch64
      - ppc64le
      - s390x
  trees:
    or:
      - rhel8
      - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
```

SUITE DATA

```
description: 'Networking route_func tests'
url_suffix: '/networking/route/route_func'
maintainers:
  - Jianlin Shi <jishi@redhat.com>
pattern:
  sets:
    or:
      - net
      - net/iptables
      - net/iptables/iptables.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
```

```
  k+1
```

```
- net/ipv6/ipv6_r1b.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
        k+1
      - net/ipv6/ipv6_rtb.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
      - net/ipv6/ipv6fib.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)      Networking vnic: ipvlan/basic
CIFS Connectathon                        Networking: igmp conformance test
Ethernet drivers sanity                   Podman system integration test (as root)
IOMMU boot test                           Podman system integration test (as user)
LTP lite                                   Storage SAN device stress - megaraid_sas
LTP: openposix test suite                 Storage SAN device stress - mpt3sas driver
Loopdev Sanity                             Storage blktests
Memory function: kaslr                     Usex - version 1.9-29
Memory function: memfd_create             audit: audit testsuite test
Networking MACsec: sanity                 httpd: mod_ssl smoke sanity
Networking TCP: keepalive test            iotop: sanity
Networking UDP: socket                     jvm test suite
Networking bridge: sanity                 lvm thinp sanity
Networking ipsec: basic netns transport   pciutils: sanity smoke test
Networking ipsec: basic netns tunnel      selinux-policy: serge-testsuite
Networking route: pmtu                    storage: SCSI VPD
Networking route_func: forward            storage: software RAID testing
Networking route_func: local              stress: stress-ng
Networking sctp-auth: sockopts test       trace: ftrace/tracer
Networking socket: fuzz                    tuned: tune-processes-through-perf
Networking tunnel: geneve basic test      xfstests: ext4
Networking tunnel: gre basic               xfstests: xfs
Networking tunnel: vxlan basic
$
```

```

$ kpet run print-test-cases -t upstream -a x86_64 | column
AMTU (Abstract Machine Test Utility)      Networking vnic: ipvlan/basic
CIFS Connectathon                        Networking: igmp conformance test
Ethernet drivers sanity                   Podman system integration test (as root)
IOMMU boot test                           Podman system integration test (as user)
LTP lite                                   Storage SAN device stress - megaraid_sas
LTP: openposix test suite                 Storage SAN device stress - mpt3sas driver
Loopdev Sanity                             Storage blktests
Memory function: kaslr                     Usex - version 1.9-29
Memory function: memfd_create              audit: audit testsuite test
Networking MACsec: sanity                  httpd: mod_ssl smoke sanity
Networking TCP: keepalive test             iotop: sanity
Networking UDP: socket                     jvm test suite
Networking bridge: sanity                  lvm thinp sanity
Networking ipsec: basic netns transport    pciutils: sanity smoke test
Networking ipsec: basic netns tunnel        selinux-policy: serge-testsuite
Networking route: pmtu                     storage: SCSI VPD
Networking route_func: forward              storage: software RAID testing
Networking route_func: local                stress: stress-ng
Networking sctp-auth: sockopts test         trace: ftrace/tracer
Networking socket: fuzz                     tuned: tune-processes-through-perf
Networking tunnel: geneve basic test        xfstests: ext4
Networking tunnel: gre basic                xfstests: xfs
Networking tunnel: vxlan basic
$ kpet run print-test-cases -t upstream -a x86_64 0001-mm-devm_memremap_pages-fix-final-page-pu
t-race.patch | column

```

```

$ kpet run print-test-cases -t upstream -a x86_64 | column
AMTU (Abstract Machine Test Utility)      Networking vnic: ipvlan/basic
CIFS Connectathon                        Networking: igmp conformance test
Ethernet drivers sanity                   Podman system integration test (as root)
IOMMU boot test                           Podman system integration test (as user)
LTP lite                                  Storage SAN device stress - megaraid_sas
LTP: openposix test suite                 Storage SAN device stress - mpt3sas driver
Loopdev Sanity                            Storage blktests
Memory function: kaslr                    Usex - version 1.9-29
Memory function: memfd_create             audit: audit testsuite test
Networking MACsec: sanity                  httpd: mod_ssl smoke sanity
Networking TCP: keepalive test            iotop: sanity
Networking UDP: socket                     jvm test suite
Networking bridge: sanity                 lvm thinp sanity
Networking ipsec: basic netns transport   pciutils: sanity smoke test
Networking ipsec: basic netns tunnel      selinux-policy: serge-testsuite
Networking route: pmtu                    storage: SCSI VPD
Networking route_func: forward            storage: software RAID testing
Networking route_func: local              stress: stress-ng
Networking sctp-auth: sockopts test       trace: ftrace/tracer
Networking socket: fuzz                    tuned: tune-processes-through-perf
Networking tunnel: geneve basic test      xfstests: ext4
Networking tunnel: gre basic               xfstests: xfs
Networking tunnel: vxlan basic
$ kpet run print-test-cases -t upstream -a x86_64 0001-mm-devm_memremap_pages-fix-final-page-pu
t-race.patch | column
AMTU (Abstract Machine Test Utility)      httpd: mod_ssl smoke sanity
LTP lite                                  iotop: sanity
LTP: openposix test suite                 jvm test suite
Podman system integration test (as root)   pciutils: sanity smoke test
Podman system integration test (as user)   selinux-policy: serge-testsuite
Usex - version 1.9-29                     stress: stress-ng
audit: audit testsuite test               tuned: tune-processes-through-perf
$

```

```
$ kpet run generate
```

```
$ kpet run generate -k kernel.tar.gz
```

```
$ 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-devm_memremap  
_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc | head -n20
```

```
$ 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 | head -n20
<?xml version='1.0' encoding='utf-8'?>
<job retention_tag="60days" group="cki">
  <whiteboard/>
  <recipeSet>
    <recipe ks_meta="harness='restraint-rhfs beakerlib-redhat' selinux=--permissiv
e no_updates_repos" kernel_options="inst.updates=https://jkonecny.fedorapeople.org
/redhat/bugs/1734567/updates.img arm-smmu.disable_bypass=n iommu.passthrough=1" ke
rnel_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>
</whiteboard>
</?xml>
```

```
$ █
```

```
</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 <major@redhat.com>"/>
    <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-upst">
  <params>
    <param name="CKI_MAIVED" value="True"/>
    <param name="CKI_MAINTAINERS" value="Memory Management <mm-qe@redhat.com>, 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 <chf@redhat.com>"/>
    <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 <mm-qe@redhat.com>"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>
<task name="LTP: openposix test suite" role="STANDALONE">
```

```
</params>
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    <param name="CKI_MAINTAINERS" value="Memory Management <mm-qe@redhat.com>"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>
<task name="LTP: openposix test suite" role="STANDALONE">
```

```
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  <params>
    <param name="CKI_MAIVED" value="True"/>
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  <params>
    <param name="CKI_MAINTAINERS" value="Christine Flood <chf@redhat.com>"/>
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</task>
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  <params>
    <param name="CKI_MAINTAINERS" value="Memory Management <mm-qe@redhat.com>"/>
    <param name="RSTRNT_MAX_TIME" value="3000"/>
    <param name="CI" value="yes"/>
  </params>
</task>
<task name="LTP: openposix test suite" role="STANDALONE">
```

Jobs

[Hide Search Options](#)

Table	Operation	Value	
Group	is	cki	<input type="button" value="x Remove"/>
<input type="button" value="Search"/>			
<input type="button" value="+ Add"/>			

Items found: 7321

ID	Whiteboard	Group	Owner	Progress	Status	Result	Action
J:3771452	cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 ppc64le	cki	mhayden	0% <div style="width:0%;"></div>	Queued	New	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771451	cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 ppc64	cki	mhayden	0% <div style="width:0%;"></div>	Queued	New	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771450	cki@gitlab:148113 5.2.12-rc1-c548fea.cki@upstream-stable ppc64le	cki	mhayden	17% <div style="width:17%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771449	cki@gitlab:148113 5.2.12-rc1-c548fea.cki@upstream-stable aarch64	cki	mhayden	12% <div style="width:12%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771448	cki@gitlab:148113 5.2.12-rc1-c548fea.cki@upstream-stable x86_64	cki	mhayden	4% <div style="width:4%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771447	cki@gitlab:148112 3.10.0-1086.el7.cki@rhel7 x86_64	cki	mhayden	18% <div style="width:18%;"></div>	Running	Fail	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771446	cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 aarch64	cki	mhayden	12% <div style="width:12%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771445	cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 x86_64	cki	mhayden	24% <div style="width:24%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771444	cki@gitlab:148111 4.18.0-141.el8.cki@rhel8 ppc64le	cki	mhayden	22% <div style="width:22%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>
J:3771440	cki@gitlab:147804 5.2.12-140839f.cki@upstream-stable x86_64 [RS:5961921]	cki	mhayden	36% <div style="width:36%;"></div>	Running	Pass	<input type="button" value="Clone"/> <input type="button" value="Cancel"/> <input type="button" value="Export"/>

R:7322852 1 of 2 recipes in **J:3771022**[Edit](#)[Clone](#)View as: [Beaker results XML](#) · [JUnit XML](#)Started 4 hours ago and finished in 04:26:42.Using [Fedora-30 Server aarch64](#)on [redacted.redhat.com](#) ▾.

WHITEBOARD

(empty)[Console output](#)[Installation](#)[Tasks](#)[Reservation](#)**Pass** with 15 out of 15 tasks finished.

100%

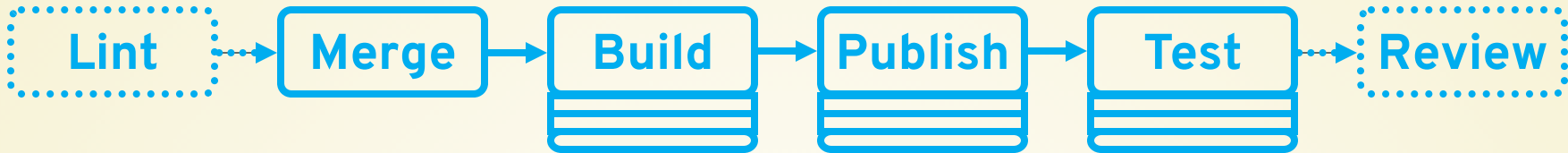
▶ T:98843960	<u>+00:25:45</u>	/distribution/check-install	1.0-2	taskout.log + 1	🗨	Pass
▶ T:98843962	<u>+00:27:08</u>	/test/misc/machineinfo		taskout.log + 3	🗨	Pass
▶ T:98843963	<u>+00:27:55</u>	Boot test		taskout.log + 1	🗨	Pass
▼ T:98843966	<u>+00:45:41</u>	LTP lite		taskout.log + 18	🗨	Pass

[Results](#)[Settings](#)

TR:454801203	<u>+01:00:53</u>	Setup	resultoutputfile.log + 1	🗨	Pass
TR:454801570	<u>+01:02:25</u>	sched	resultoutputfile.log + 1	🗨	Pass
TR:454811862	<u>+01:52:54</u>	syscalls	resultoutputfile.log + 1	🗨	Pass
TR:454811909	<u>+01:53:07</u>	can	resultoutputfile.log + 1	🗨	Pass
TR:454812109	<u>+01:54:09</u>	commands	resultoutputfile.log + 1	🗨	Pass
TR:454812240	<u>+01:54:50</u>	containers	resultoutputfile.log + 1	🗨	Pass



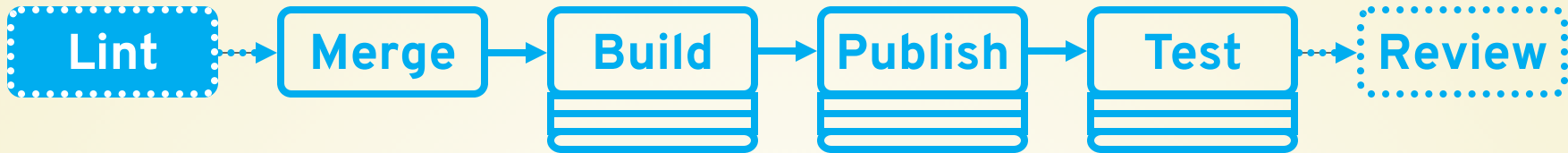
REPORTING



Pipeline

GitLab

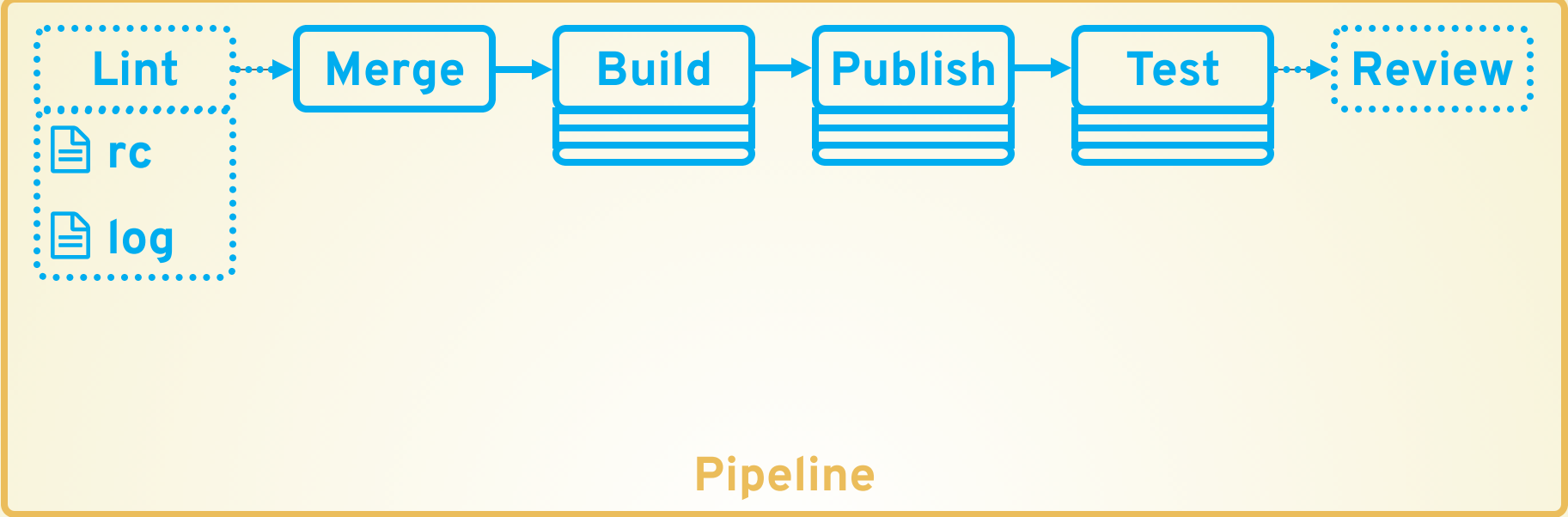
Reporter



Pipeline

GitLab

Reporter

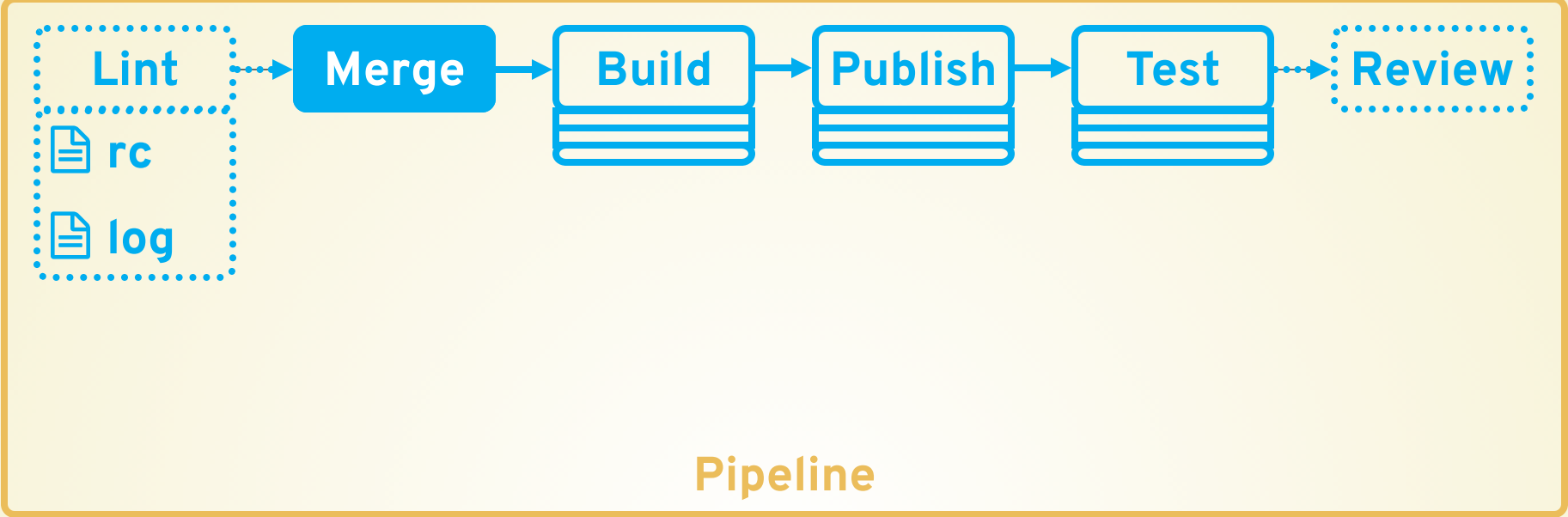


Pipeline

GitLab

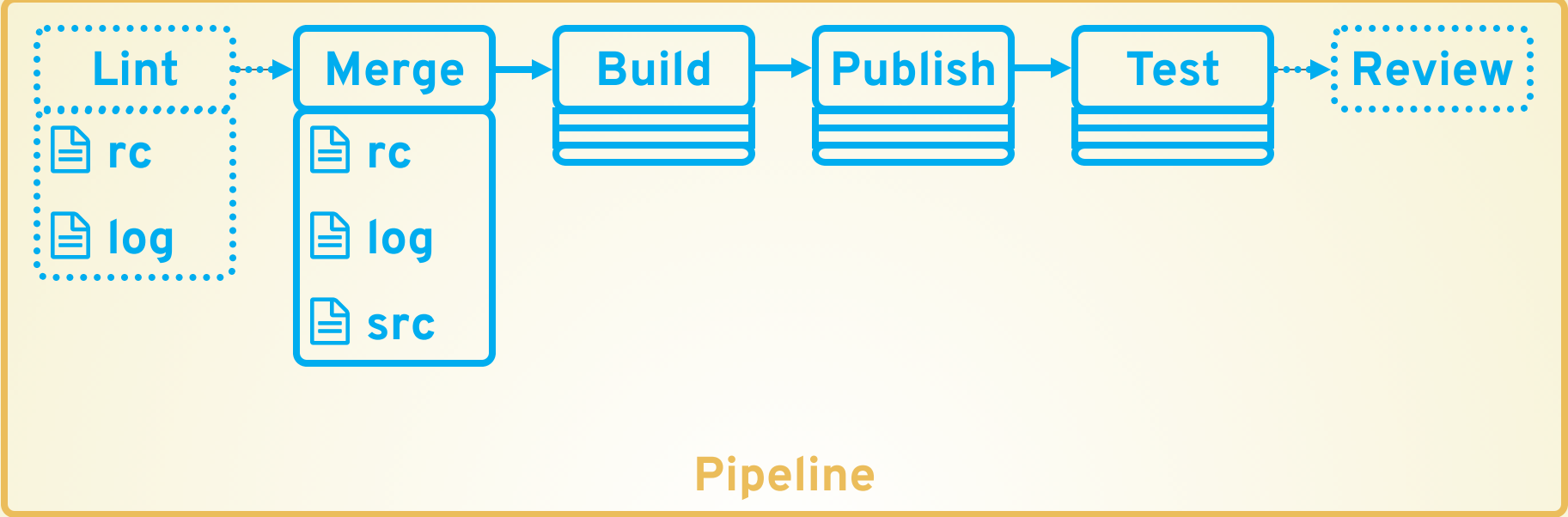
Webhook

Reporter



GitLab



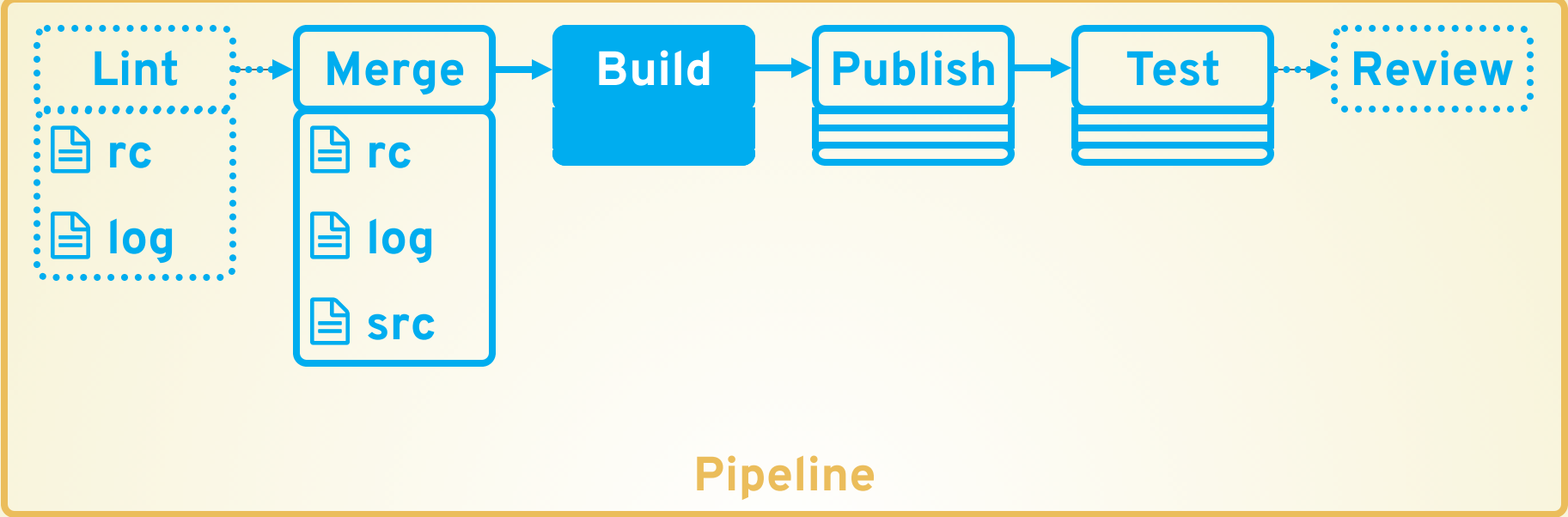


Pipeline

GitLab

Webhook

Reporter

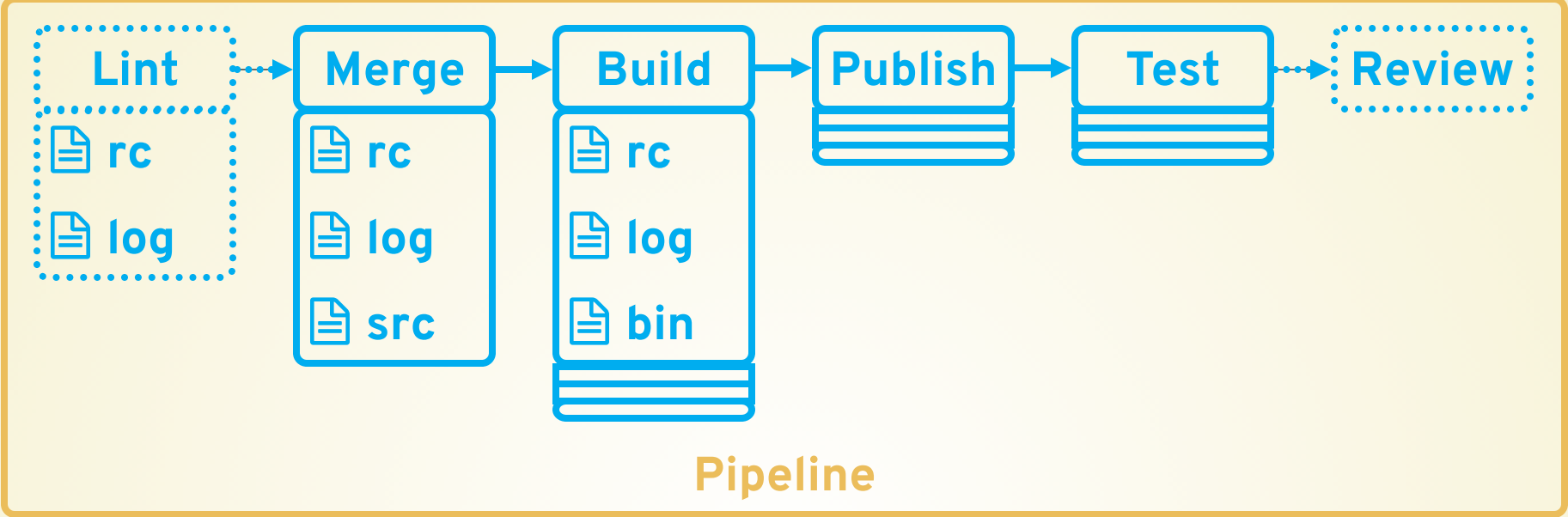


Pipeline

GitLab



Reporter

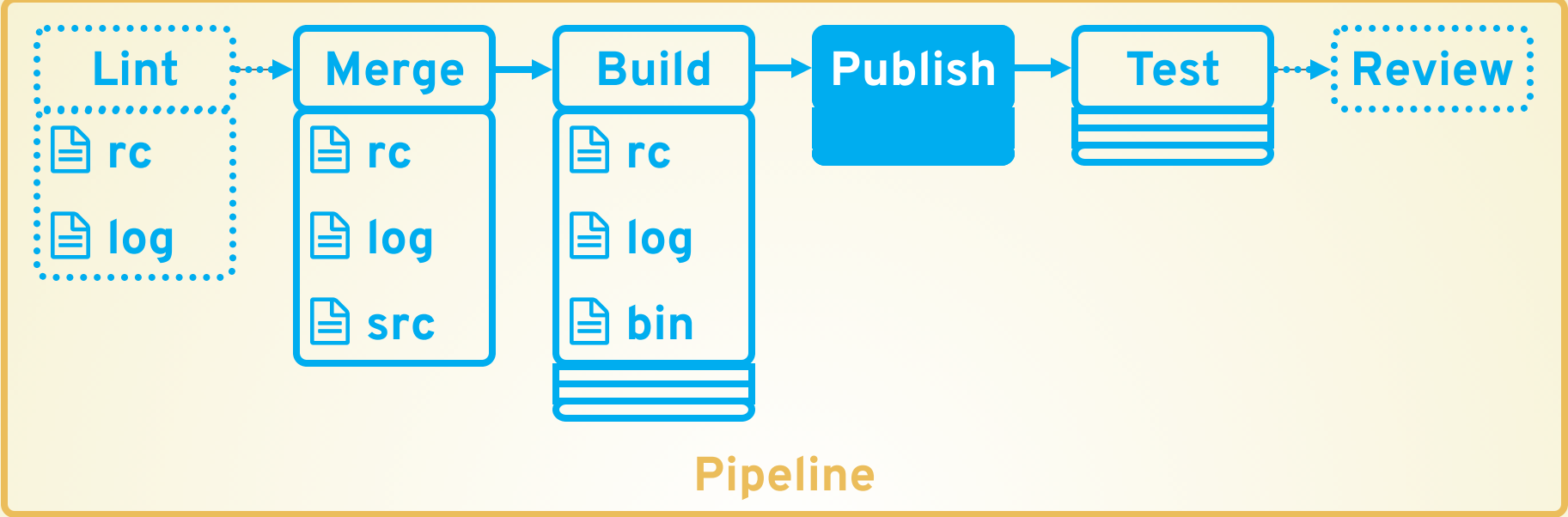


Pipeline

GitLab

Webhook

Reporter

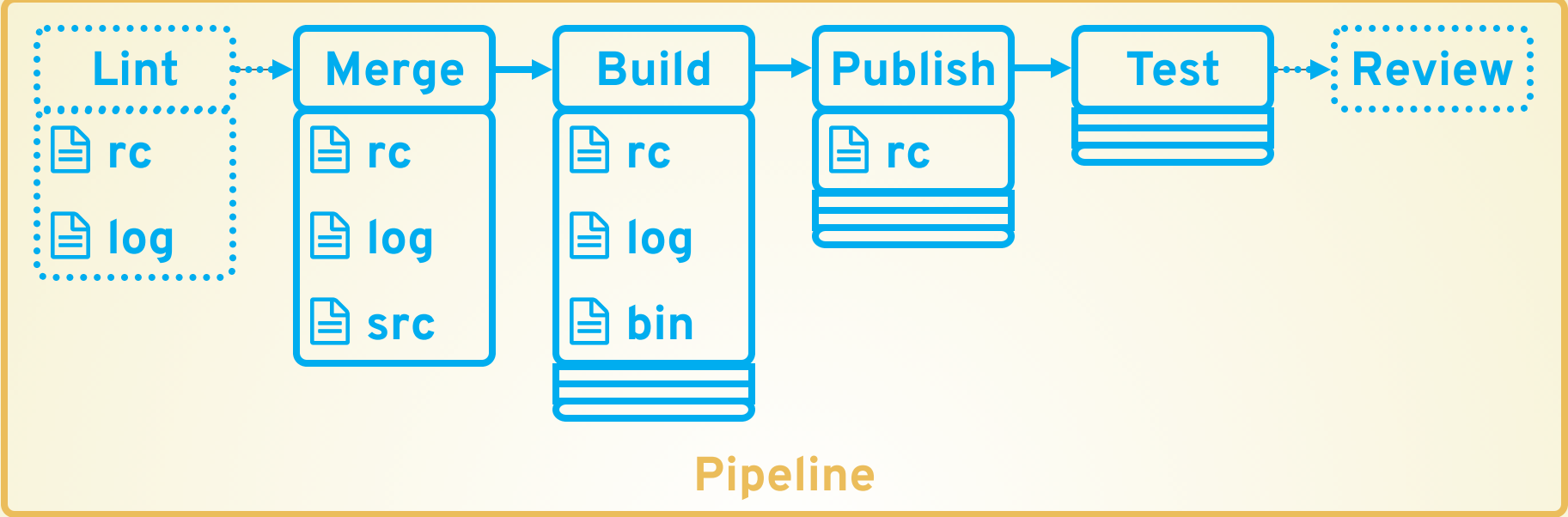


Pipeline

GitLab



Reporter

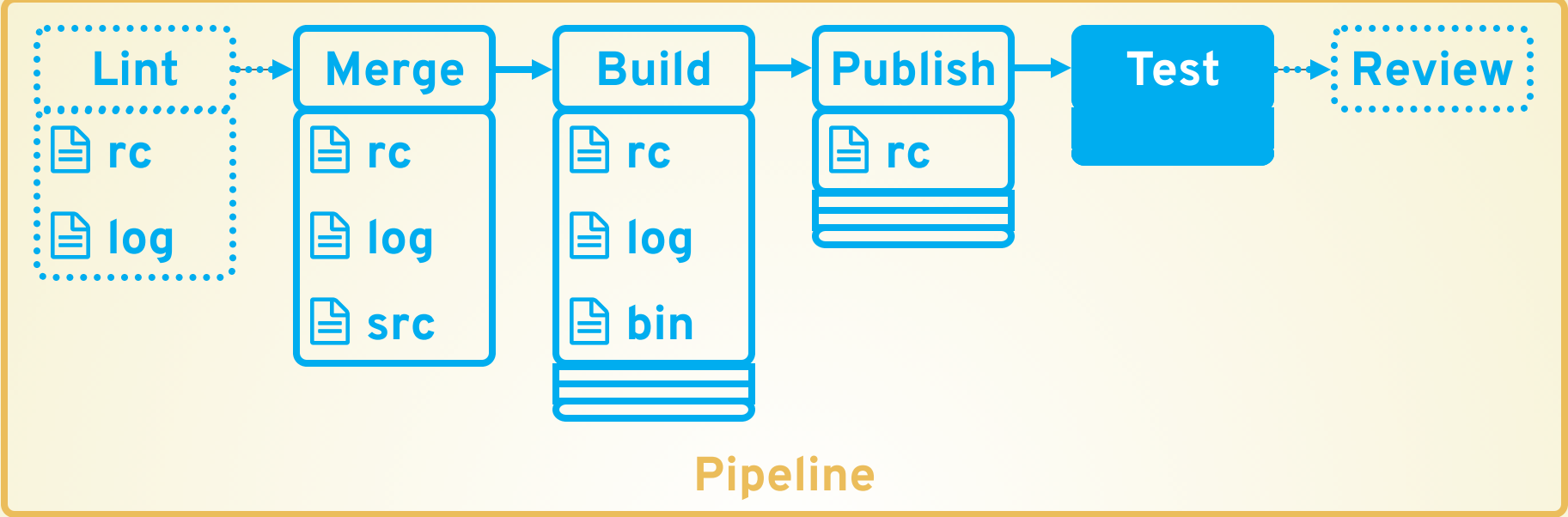


Pipeline

GitLab

Webhook

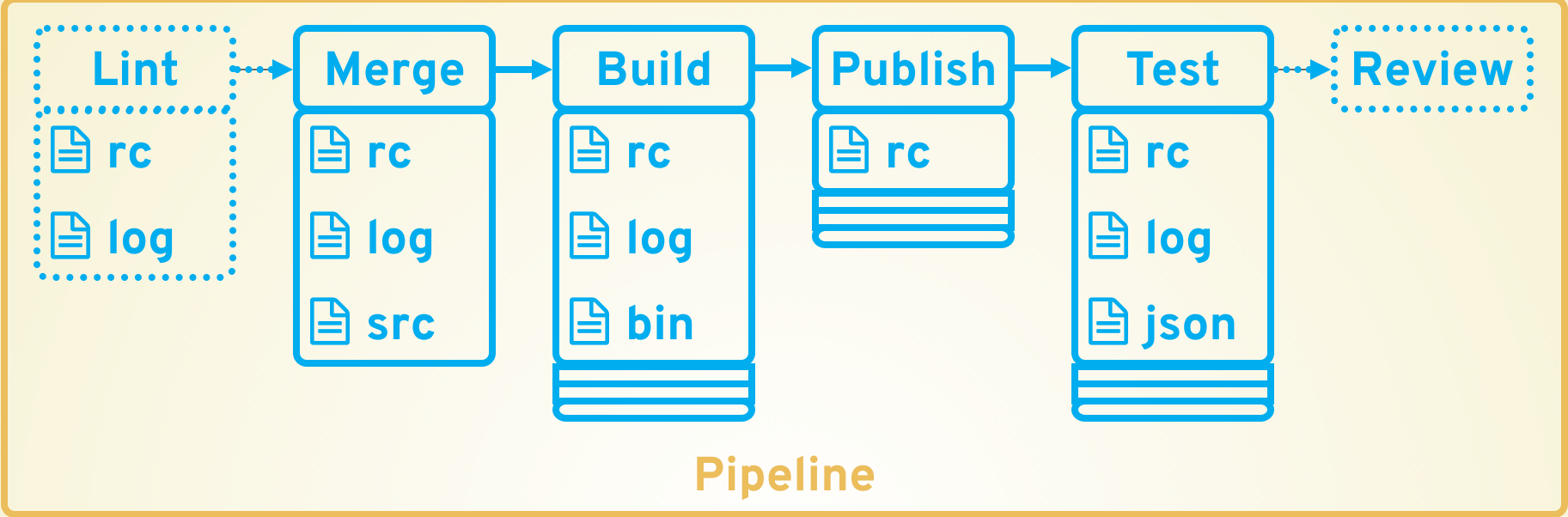
Reporter



Pipeline

GitLab

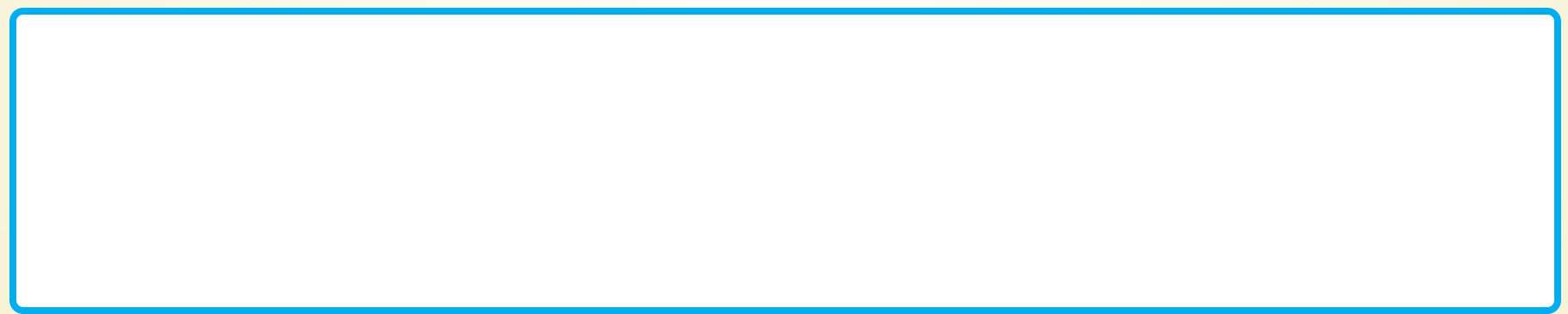
Reporter



Pipeline

GitLab

Webhook



Reporter



COLLABORATION

- **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!

H847

HACKFEST





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 data standards

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!



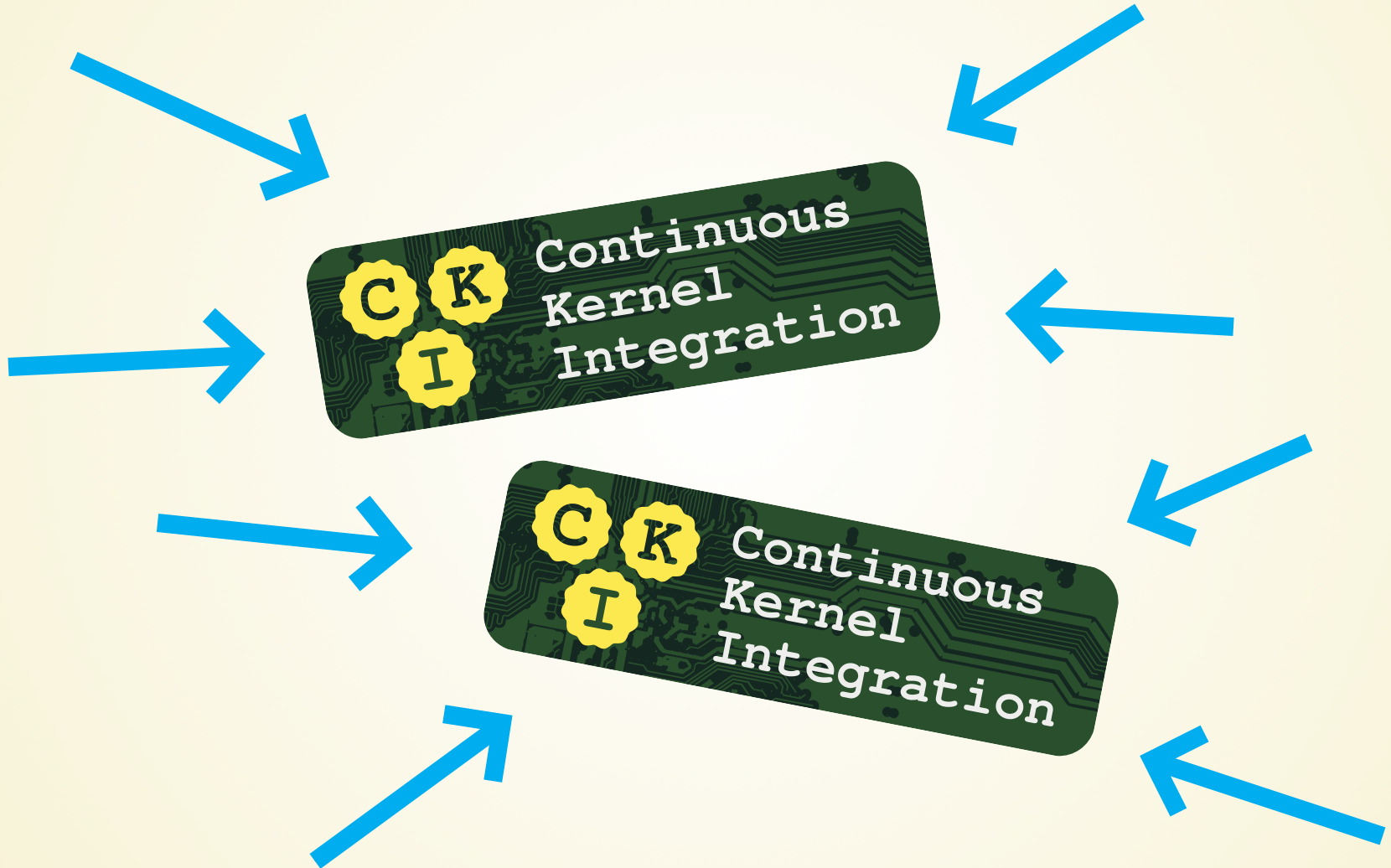
<https://gitlab.com/cki-project/>

<https://github.com/cki-project/>

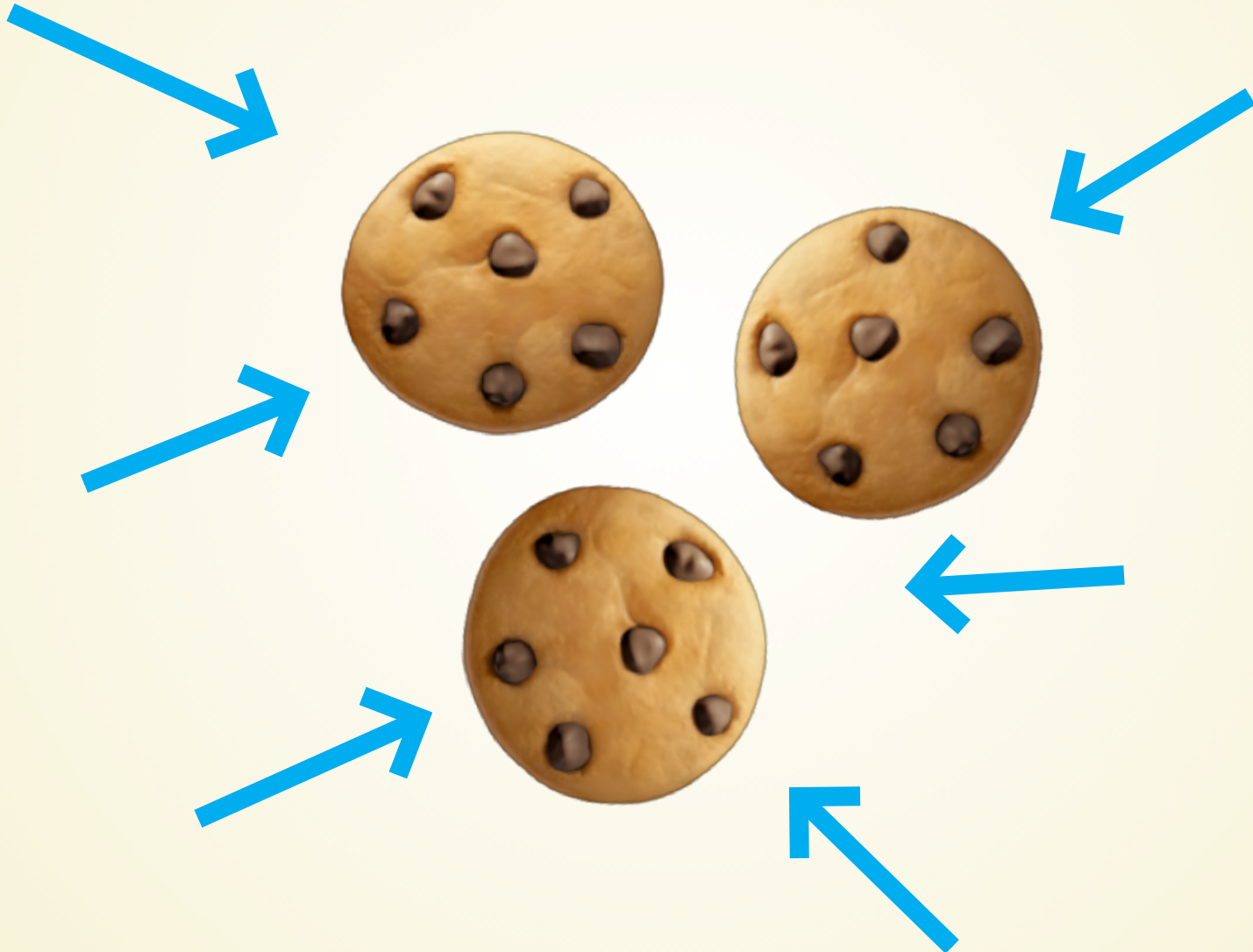
<https://cki-project.org/>

cki-project@redhat.com

GET OUR STICKERS!



AND YOUR COOKIES!



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