



# **Masking known issues across six kernel CI systems**

**FOSDEM 2022**

**Nikolai Kondrashov**



## Nikolai Kondrashov

fn   spbnick

Sr. Software Engineer, Red Hat, CKI Project  
KernelCI KCIDB maintainer  
Electronics and embedded enthusiast

Born in Russia, living in Finland



# KernelCI Kernel contribution workflow

- Send patches by email to maillists and maintainers
- Get reviews in response
- Repeat until everyone is satisfied
- Get patches merged into a subtree
- Get subtree merged into the mainline
- Maybe get a report from a testing system at some point



# KernelCI Kernel testing systems



Google  
syzbot



...



# Reports

Results from Linaro's test farm.  
No regressions on arm64, arm, x86\_64, and i386.

Summary

```
kernel: 5.7.13-rc2
git repo: https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
git branch: linux-5.7-rc2
git commit: 8d232aaef6d9293d02e0894357a077f1da2a29226
git tag: v5.7.13-rc2-12-117-gd232aaef6d
Test details: https://qa-reports.linaro.org/lkrt/linux-stable-rc-5.7-rc2/build/v5.7.13-rc2-12-117-gd232aaef6d

No regressions (compared to build v5.7.12)
No fixes (compared to build v5.7.12)
```

Ran 34339 total tests in the following environments and test suites.

Environments

```
-----  
- arm64-64bit-410c  
- hisi229-hikey  
- i386  
- i44x-2  
- juno-r2-compat  
- juno-r2-kasan  
- mips-32bit  
- qemu-arm  
- qemu-arm64  
- qemu-i386  
- qemu-x86_64  
- x11  
- x86  
- x86-kasan
```

Test Suites

## KMSAN: kernel-usb-infoleak in hif\_usb\_send

[\[Date Prev\]](#) [\[Date Next\]](#) [\[Thread Prev\]](#) [\[Thread Next\]](#) [\[Date Index\]](#) [\[Thread Index\]](#)

---

To: gildner@xxxxxxxxx, gregkh@xxxxxxxxxxxxxxxxxxxx, ingrassia@xxxxxxxxxxxxx, linux-kernel@xxxxxx  
 Subject: KMSAN: kernel-usb-infoleak in hif\_usb\_send  
 From: syzbot <syzbot+b13a1df1edf67e8ddad@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
 Date: Tue, 11 Aug 2020 10:06:18 -0700

Hello,

I saw you found the following issue on:

```
HEAD commit: ce8086d1 wip: changed copy_from_user where instrumented
git tree: https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
commit output: https://syzkaller.appspot.com/bug?tid=1172+2144053+99999999
kernel config: https://syzkaller.appspot.com/+/config?tid=34fe05f999991
dashboard link: https://syzkaller.appspot.com/bug/text?id=8d1f7e8db8df
compiler: clang version 10.0.0 https://github.com/llvm/llvm-project/+c2443155a0fb245cf17f2c1c72b6ea391a86e01
userspace arch: i386
```

Unfortunately, I don't have any reproduce for this issue yet.

IMPORTANT: If you fix the issue, please add the following tag to the commit:  
 regress-by: syzbot+b13a1df1edf67e8ddad@xxxxxxxxxxxxxxxxxxxx

usb 4-1: ath0k: Transferred FW: ath0k\_htc/htc\_9271-1.4.0.fw, size: 51008

```
BUG: KMSAN: kernel-usb-infoleak in kmsan_handle urb=0x28/0x40 mm/kmsan/kmsan_hooks.c:307
CPU: 0 PID: 1 Comm: kernel/ath0k/0 Kernel: 5.8.8-rc5-syzkaller #0
Hardware name: Google Google Compute Engine/Google Compute Engine, BIOS Google 01/01/2011
Workqueue: events_request_firmware_work_func
Call Trace:
```

## stable-rc/linux-4.9.y build: 197 builds: 1 failed, 196 passed, 4 warnings (v4.9.232)

kernelci.org bot bot at kernelci.org  
 Sat Aug 1 08:24:58 UTC 2020

- Previous message: [PATCH V4] hwmon: Introduce and use loongson\_llsc\_mb()
- Next message: stable-rc/linux-4.9.y build: 197 builds: 1 failed, 196 passed, 4 warnings (v4.9.232)
- Messages sorted by: [ date ] | [ thread ] | [ subject ] | [ author ]

```
stable-rc/linux-4.9.y build: 197 builds: 1 failed, 196 passed, 4 warnings (v4.9.232)
Full Build Summary: https://kernelci.org/build/stable-rc/branch/linux-4.9.y/kernel/v4.9.232/
```

```
Tree: stable-rc
Branch: Linux-4.9.y
Git ID: 8d232aaef6d9293d02e0894357a077f1da2a29226
Git Commit: 8d232aaef6d9293d02e0894357a077f1da2a29226
Git URL: https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
Built: 6 unique architectures

Build Failure Detected:

mips:
  32r2el_defconfig: (gcc-8) FAIL

Warnings Detected:

arc:
```

## ✓ PASS: Test report for kernel 5.7.12-3ff3d4f.cki (stable-queue)

CKI Project cki-project at redhat.com

Tue Aug 4 12:35:15 UTC 2020

- Previous message: [fixing 4.14-stable] broken DM cache writethrough support [was: Re: [resend] PATCH v3: [linux-4.14.y] dm cache: submit writethrough writes in parallel to prevent afterflush]
- Next message: stable-queue: 4.9 build: 196 builds: 1 failed, 189 passed, 2 errors, 13 warnings (v4.4.232-30-g52247eb98be)
- Messages sorted by: [ date ] | [ thread ] | [ subject ] | [ author ]

Hello,

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

```
Kernel repo: https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git
Commit: 3ff3d4f44858 - x86/18299: use printk_deferred() to prevent deadlock
```

The results of these automated tests are provided below.

```
Overall result: PASSED
Merge: OK
Copy: OK
Tests: OK
```

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

<https://cki-artifacts.s3.us-east-2.amazonaws.com/index.html?prefix=datashowcase/2020/08/03/611391>

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.



## Re: [PATCH V4] hwmon: add fan/pwm driver for cors

[\[Date Prev\]](#) [\[Date Next\]](#) [\[Thread Prev\]](#) [\[Thread Next\]](#) [\[Date Index\]](#) [\[Thread Index\]](#)

- To: jaap.aarts1@xxxxxxxxxx, Jean Delvare <delvare@xxxxxxxxx>, Guenter Roeck <linux@xxxxxxxxx>
- Subject: Re: [PATCH V4] hwmon: add fan/pwm driver for corsair h100i platinum
- From: kernel test robot <lkp@xxxxxxxxx>
- Date: Sun, 16 Aug 2020 17:34:40 +0800
- Cc: khullal@xxxxxxxxxxxxxx, jaap.aarts <jaap.aarts1@xxxxxxxxxx>
- In-reply-to: <20200815211617.86565-1-jaap.aarts1@gmail.com>
- References: <20200815211617.86565-1-jaap.aarts1@gmail.com>
- User-agent: Mutt/1.10.1 (2018-07-19)

Hi jaap,

Thank you for the patch! Perhaps something to improve:

```
[auto build test WARNING on hmon/hwmon]
[also build test WARNING on v5.8 next-20200814]
[!] your patch appears to be a merge tree, kindly drop us a note.
And when submitting patch, we suggest to use '--base' as documented in
https://git-scm.com/docs/git-format-patch
```

```
url: https://github.com/bdwy/i1/linux/commits/jaap-aarts1/hmon-add-fan-pwm-driver-for-corsair-h100i-platinum/20200816-085929
base: https://git.kernel.org/pub/scm/linux/kernel/git/grebeck/linux-staging.git hmon-next
config: https://git-scm.com/docs/git-format-patch (attached as .config)
compiler: nios2-linux-gcc (GCC) 9.3.0
```



# KernelCI

# Dashboards



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## Test Results

	142 hours ago	17769 passed	775 failed	2652 skipped	<a href="#">View Builds</a>	
linux-stable-rc-4.4-oe					<a href="#">View Builds</a>	
linux-stable-rc-4.9-oe	142 hours ago	21450 passed	367 failed		<a href="#">View Builds</a>	
linux-stable-rc-4.14-oe	142 hours ago	21709 passed	624 failed	2649 skipped	<a href="#">View Builds</a>	
linux-stable-rc-4.19-oe	142 hours ago	21240 passed	734 failed	5411 skipped	<a href="#">View Builds</a>	
linux-stable-rc-5.4-oe	135 hours ago	20554 passed	633 failed	2346 skipped	<a href="#">View Builds</a>	
linux-stable-rc-5.7-oe	135 hours ago	20007 passed	1192 failed	2779 skipped	<a href="#">View Builds</a>	
linux-mainline-oe	% testing...	13 hours ago	20117 passed	991 failed	2424 skipped	<a href="#">View Builds</a>
linux-next-oe	% testing...	7 hours ago	20151 passed	2026 failed	2122 skipped	<a href="#">View Builds</a>

## LKFT 2.0 Build Status

Our second generation build and continuous integration uses GitLab pipelines and TukBuild.

Board	4.4	4.9	4.14	4.19	5.4	5.7	mainline	next
syzbot	<a href="#">[Open]</a>	<a href="#">[Fixed]</a>	<a href="#">[Rejected]</a>	<a href="#">[Duplicated]</a>	<a href="#">[Incomplete]</a>	<a href="#">[Stale]</a>	<a href="#">[Upstream]</a>	<a href="#">[Pending]</a>

## LKFT Build Status

The LKFT build uses OpenEmbedded to build a userspace image, along with the kernel, for each board and branch combination under test.

Board	4.4	4.9	4.14	4.19	5.4	5.7	mainline	linux-next
sign-in   mailing list   source   docs								

[Open \[508\]](#) [Fixed \[100\]](#) [Invalid \[215\]](#)

Instances:							
Name	Active	Uptime	Corpus	Coverage	Crashes	Excs	
ci2-linux-4-14	now	2021h	5398	1099200	237	1356236	<a href="#">1465820</a>

open (508):

Title	Repo	Bisected	Count	Last	Reported
WARNING in rtm delink	c		1	4h53m	4h52m
possible deadlock in proc_pid_personality			1	21h55m	21h54m
syzkaller: make target failed; failed to run ["make" "tar...]			3	1d1h	2d46m
INFO: task hung in __iomem_unregister_device			1	3d6h03m	3d6h03m
unregister_netdevice: waiting for DEVT to become free (2)			1	5d2h59m	5d2h58m
INFO: task hung in do_talloc (2)			1	5d2h59m	5d2h58m
INFO: trying to register non-static key in done (2)			1	5d2h59m	5d2h58m
possible deadlock in proc_pid_syscall	c		1	6d2h22m	6d2h22m
possible deadlock in proc_pid_stack	c		3	1d2h3m	7d1h56m
INFO: trying to register non-static key in 2cap_chan_cl...	syz		1	7d2h0m	7d2h0m
BUG: corrupted list in bt accept unlikely	syz		1	8d8h10m	8d8h9m
KASAN: use-after-free Read in hci_get_auth_info	syz		1	8d8h44m	8d8h45m
inconsistent lock state in sco_sock_timeout			1	8d1h1m	8d1h1m
INFO: rcu detected stall in fw_timer_handler			1	9d10h	9d10h
general protection fault in memne work	syz		1	9d10h	9d10h

## Available Test Results

The results shown here cover the last 14 days of available data starting from **Mon, 17 Aug 2020** (time is UTC based).

25 Tests per page

Tree	Branch	Kernel	Test Plan	Test Results
mainline	master	v5.8-13502-gb07175dc41ba	usb	
rt-stable	v4.14-rt	v4.14.193-rf2	baseline-rfs	
mainline	master	v5.8-13651-gd84835b118ed	baseline	
rt-stable	v4.14-rt	v4.14.193-rf2	baseline	
mainline	master	v5.8-13502-gb07175dc41ba	baseline	
mainline	master	v5.8-13660-gab6c099e2d13	baseline	
mainline	master	v5.8-13502-gb07175dc41ba	sleep	
mainline	v5.11-K14.4-n713nuear479bc	Baseline		

Filter the results  More...

Most Active Posters
Most Popular Discussions

Poster	Posts
kernel test robot	61 posts
kernel test robot	24 posts
Rong Chen	9 posts
Xing Zhengjun	4 posts
Thomas Gleiner	4 posts

RECENTLY ACTIVE DISCUSSIONS

- #1 [USERS] 82519065: kmv.usb-e!invalid\_ept#maspack Mon Aug 17, 1:08 p.m. □ 1 □ 0 □ 0 □ 0
- #2 [perf] parse-to-0xb0800: perf-sanity-tests.Parse\_event\_definition\_strings fail Sun Aug 16, 12:54 a.m. □ 0 □ 0 □ 0 □ 0
- #3 [mem] 1016385: WARNING at \_mm\_memicompare.c:#mem\_group\_alloc Mon Aug 15, 11:05 a.m. □ 1 □ 0 □ 0 □ 0
- #4 [audit] 6446404: canonical\_address@!#rt Mon Aug 14, 9:35 a.m. □ 0 □ 0 □ 0 □ 0
- #5 [perf] 2b0e68f3: rpztrace0 fail Sat Aug 15, 11:05 a.m. □ 0 □ 1 □ 0 □ 0
- #6 [perf] 2b0e68f3: rpztrace2 fail Sat Aug 15, 11:05 a.m. □ 0 □ 0 □ 0 □ 0
- #7 [sysfs] 8286316: aimt jobs-per-min -31.6% regression Wed Aug 12, 9:21 a.m. □ 0 □ 4 □ 0 □ 0
- #8 [x86, copy, mem] a82620be: bio.read\_lops -43.3% regression Fri Aug 7, 7:11 a.m. □ 0 □ 4 □ 0 □ 0

MOST ACTIVE DISCUSSIONS

- #1 [sysfs] 2b0e68f3: rpztrace0 fail Sun Aug 15, 11:42 a.m. □ 0 □ 12 □ 0 □ 0
- #2 [x86, sched] 19617c3c46: vm-scalability.median -15.0% regression Thu Jul 23, 7:14 p.m. □ 3 □ 0 □ 0 □ 0
- #3 [blk] 8d7cfc27e: rpz\_is\_full fail Fri Aug 7, 8:22 p.m. □ 4 □ 0 □ 0 □ 0
- #4 [x86, copy, mem] a82620be: bio.read\_lops -43.3% regression Wed Aug 12, 9:21 a.m. □ 0 □ 4 □ 0 □ 0

Output Files



# What is KCIDB?



# KernelCI The Big Picture

Native tests from [kernelci-core](#)



Custom labs



Your system here



arm

Google  
syzbot

work in progress

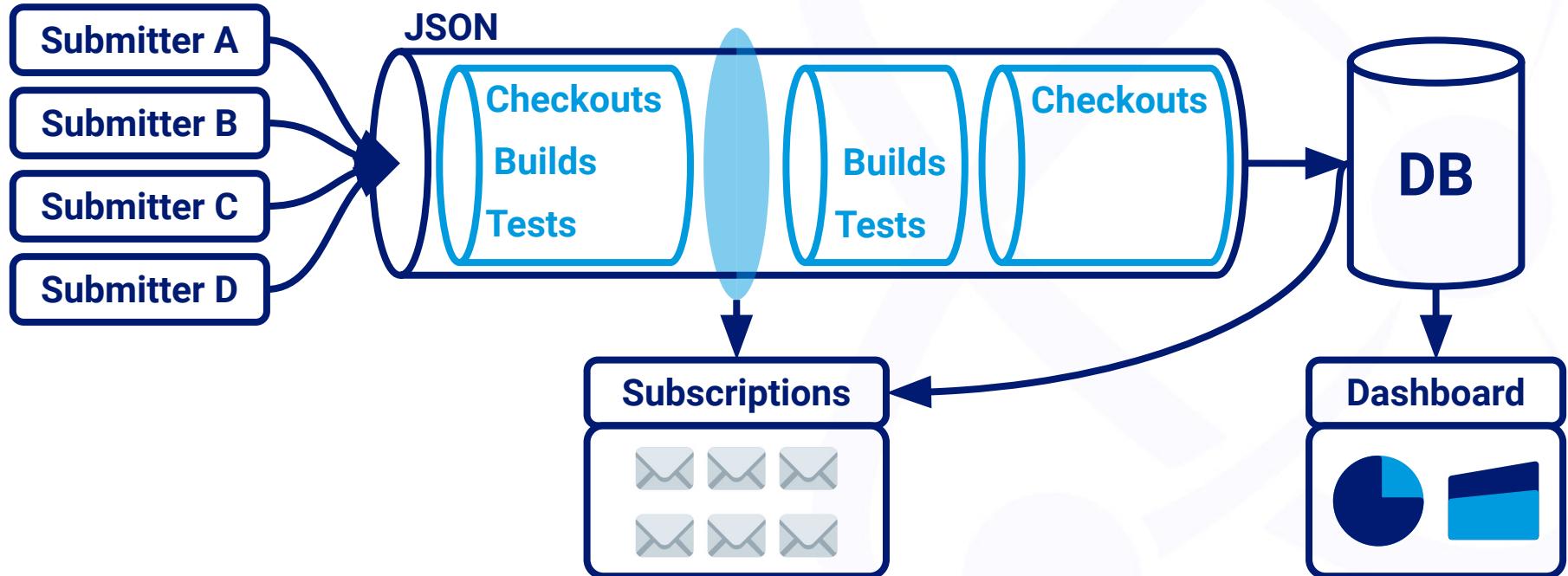
kci\_data

KernelCI  
Backend

KCIDB



# KernelCI The Smaller Picture





# KernelCI It's all JSON

```
{  
    "version": {  
        "major": 4,  
        "minor": 0  
    },  
    "checkouts": [  
        {  
            "id": "_:kernelci:24e6b4723c20c874840781dc31e681502b8adca",  
            "origin": "kernelci",  
            "git_repository_url": "https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable.git",  
            "git_commit_hash": "24e6b4723c20c874840781dc31e681502b8adca",  
            "git_commit_name": "v4.19.219",  
            "git_repository_branch": "linux-4.19.y",  
            "patchset_files": [],  
            "patchset_hash": "",  
            "start_time": "2021-12-01T10:55:03.956000+00:00",  
            "contacts": [],  
            "valid": true  
        }  
    ],  
    "builds": [  
        {  
            "id": "kernelci:kernelci.org:61a756cdc02cd27c9118f6d4",  
            "checkout_id": "_:kernelci:24e6b4723c20c874840781dc31e681502b8adca",  
            "origin": "kernelci",  
            "comment": "v4.19.219",  
            "start_time": "2021-12-01T11:04:45.516000+00:00",  
            "duration": 428.0614495277405,  
            "architecture": "arm",  
            "compiler": "arm-linux-gnueabihf-gcc (Debian 10.2.1-6) 10.2.1 20210110",  
            "input_files": [],  
            "output_files": [  
                {  
                    "name": "modules",  
                    "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/qcom_defconfig/gcc-10/modules.tar.xz"  
                },  
                {  
                    "name": "kernel_image",  
                    "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/qcom_defconfig/gcc-10/kernel/zImage"  
                },  
                {  
                    "name": "System.map",  
                    "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/qcom_defconfig/gcc-10/kernel/System.map"  
                }  
            ],  
            "config_name": "qcom_defconfig",  
            "config_url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/qcom_defconfig/gcc-10/config/kernel.config",  
            "log_url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/qcom_defconfig/gcc-10/logs",  
            "valid": true,  
            "misc": {  
                "kernel_image_size": null  
            }  
        }  
    ]  
}
```



```
        }
    ],
    "tests": [
        {
            "id": "kernelci:kernelci.org:61a758143e6fa8432118f6e9",
            "build_id": "kernelci:kernelci.org:61a756475eeef4d49d118f6d0",
            "origin": "kernelci",
            "environment": [
                {
                    "comment": "cubietruck in lab-baylibre",
                    "misc": [
                        {
                            "device": "cubietruck",
                            "rootfs_url": "http://storage.kernelci.org/images/rootfs/debian/bullseye/20211126.0/armhf/initrd.cpio.gz",
                            "Lab": "lab-baylibre",
                            "mach": "allwinner",
                            "instance": "sun7i-a20-cubietruck-sea"
                        }
                    ],
                    "path": "baseline-nfs.dmesg.emerg",
                    "comment": "baseline-nfs on cubietruck in lab-baylibre",
                    "status": "PASS",
                    "waived": false,
                    "start_time": "2021-12-01T11:10:12.598000+00:00",
                    "output_files": [
                        {
                            "name": "html",
                            "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/multi_v7_defconfig/gcc-10/lab-baylibre/baseline-nfs-cubietruck.html"
                        },
                        {
                            "name": "txt",
                            "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/multi_v7_defconfig/gcc-10/lab-baylibre/baseline-nfs-cubietruck.txt"
                        },
                        {
                            "name": "lava_json",
                            "url": "https://storage.kernelci.org/stable/linux-4.19.y/v4.19.219/arm/multi_v7_defconfig/gcc-10/lab-baylibre/lava-cubietruck.json"
                        }
                    ]
                },
                "misc": [
                    "kernelci_status": "PASS",
                    "plan": "baseline-nfs",
                    "plan_variant": "baseline-nfs"
                ]
            ],
            "id": "kernelci:kernelci.org:61a75710290d38ad8518f6e2",
            "build_id": "kernelci:kernelci.org:61a756475eeef4d49d118f6d0",
            "origin": "kernelci",
            "environment": [
                {
                    "comment": "sun7i-a20-cubieboard2 in lab-baylibre",
                    "misc": [
                        {
                            "device": "sun7i-a20-cubieboard2",
                            "rootfs_url": "http://storage.kernelci.org/images/rootfs/buildroot/kci-2020.05-6-g8983f3b738df/armel/baseline/rootfs.cpio.gz",
                            "Lab": "lab-baylibre"
                        }
                    ]
                }
            ]
        }
    ]
}
```



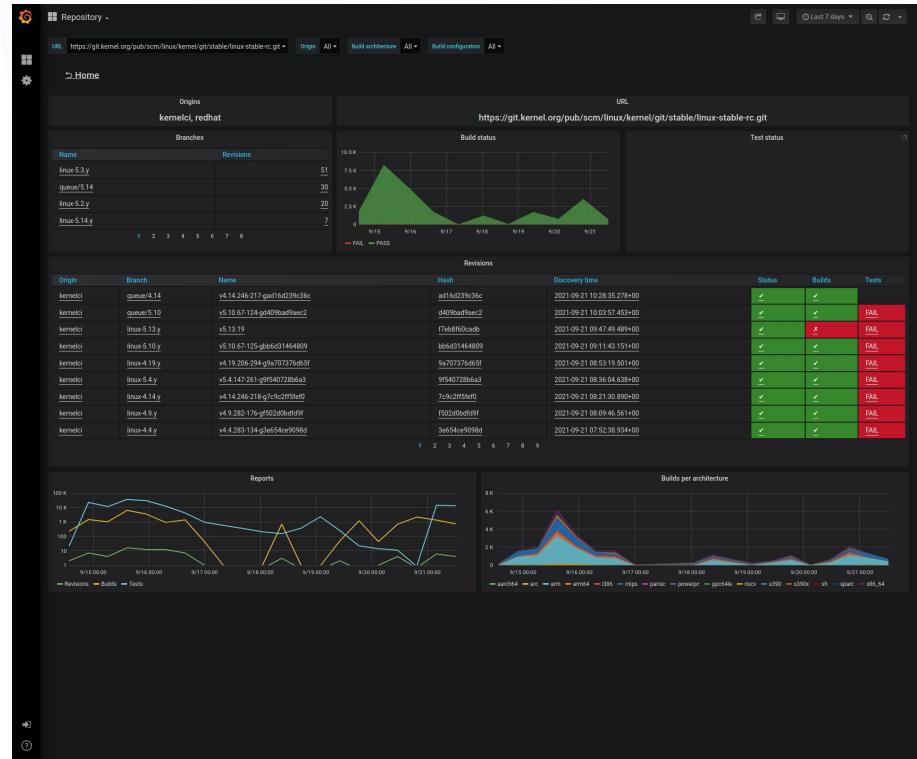
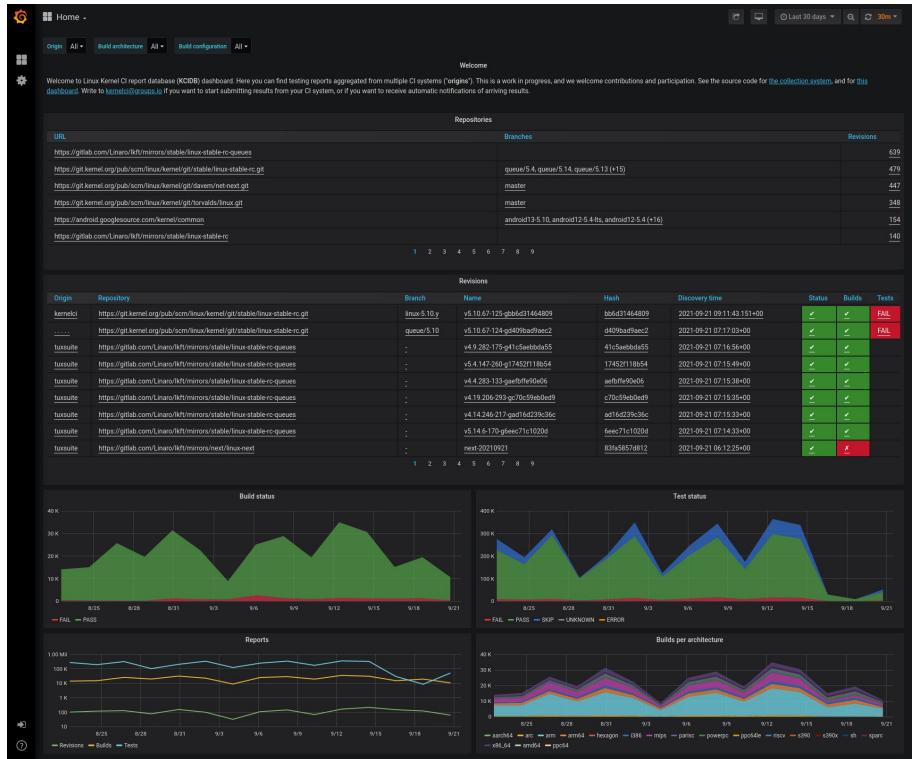
KernelCI

# Report volume so far



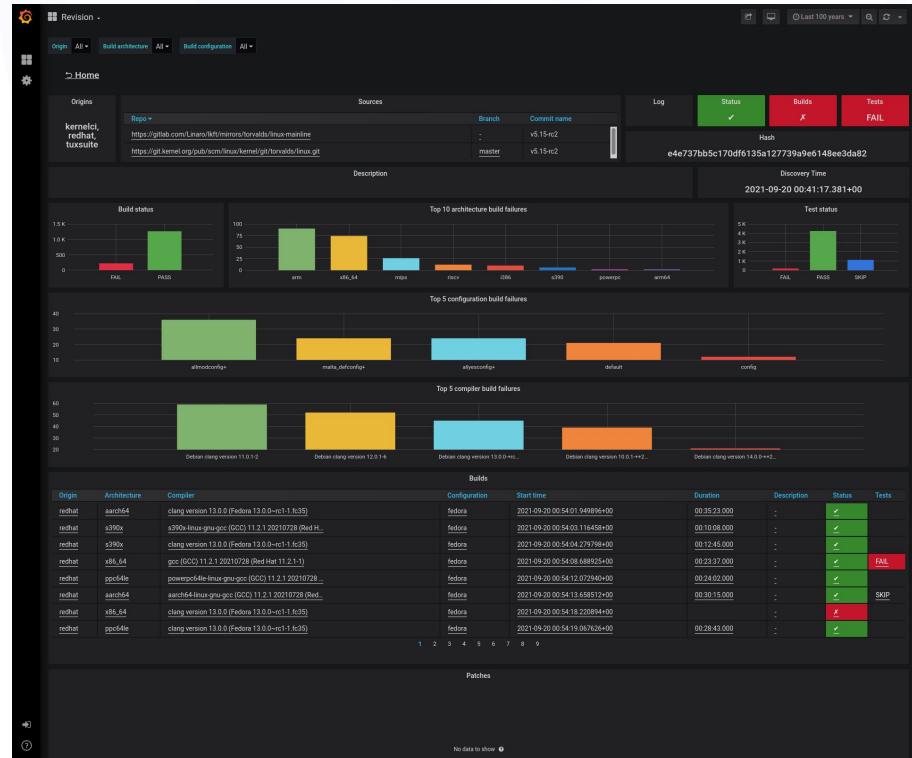
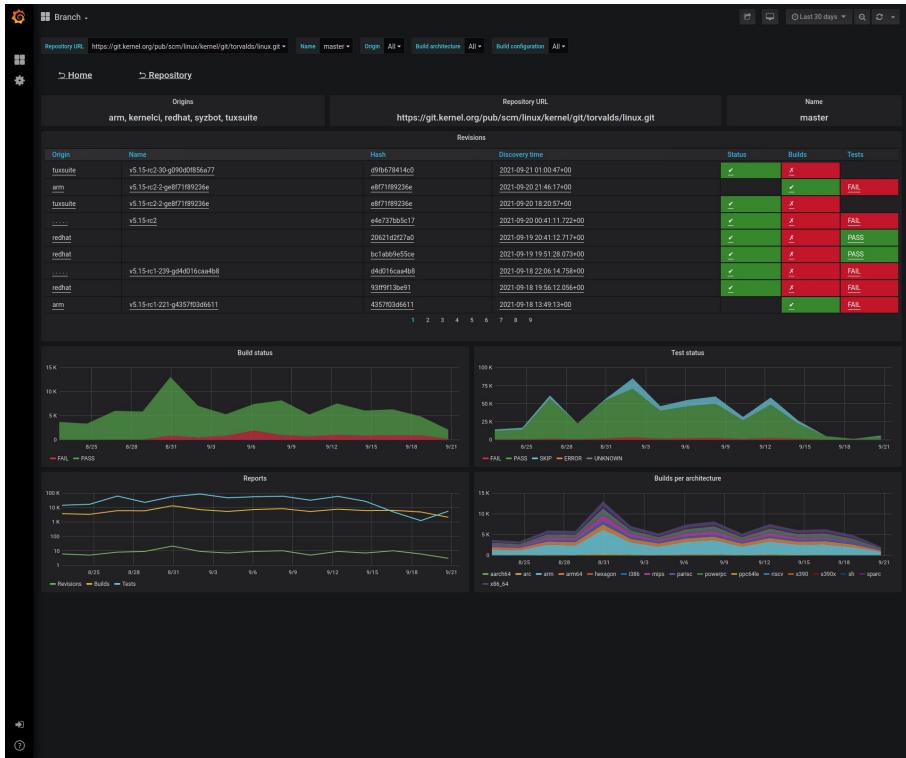


# KernelCI Dashboard





# KernelCI Dashboard



<https://kcidb.kernelci.org/>



# WIP Reports

Below is the summary of results Kernel CI database has recorded for this revision so far. See complete and up-to-date report at:

[https://kcidb.kernelci.org/d/revision/revision?orgId=1&var-git\\_commit\\_hash=8000293888188c3923f5bd8a69370dae25ed14e5&var-patchset\\_hash=](https://kcidb.kernelci.org/d/revision/revision?orgId=1&var-git_commit_hash=8000293888188c3923f5bd8a69370dae25ed14e5&var-patchset_hash=)

## OVERVIEW

Builds: ✘ FAIL  
Tests: ✘ FAIL

## REVISION

Status PASS  
Commit  
name: v5.16-rc7-100-g8000293888188  
hash: 8000293888188c3923f5bd8a69370dae25ed14e5  
Checked out from  
<https://git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git> master  
<https://gitlab.com/Linaro/lkft/mirrors/torvalds/linux-mainline>  
By kernelci, redhat, syzbot, tuxsuite

## BUILDS

Status ✘ 56 738  
Architectures  
arm ✘ 26 347  
riscv ✘ 8 21  
mips ✘ 7 86  
powerpc ✘ 5 47  
x86\_64 ✘ 3 55  
arm64 ✘ 3 48  
i386 ✘ 2 42  
s390 ✘ 1 17  
ppc64le ✘ 1 1  
sh - 24  
arc - 22  
parisc - 12  
sparc - 12  
aarch64 - 2  
s390x - 2  
Failures  
✘ 4 riscv allnonconfig  
✘ 2 arm allmodconfig "v5.16-rc7-100-g800029388818"  
✘ 2 x86\_64 allmodconfig "v5.16-rc7-108-g800029388818"  
✘ 2 i386 allmodconfig "v5.16-rc7-108-g800029388818"  
✘ 2 powerpc maple defconfig  
...  
By kernelci, redhat, syzbot, tuxsuite

## TESTS

Status  
✘ 23 53 5 6 1  
Failures  
✘ baseline-qemu-docker  
✘ baseline  
✘ baseline-nfs  
✘ ltp-mm  
✘ cros-ec  
...  
By kernelci, redhat, syzbot

See complete and up-to-date report at:

[https://kcidb.kernelci.org/d/revision/revision?orgId=1&var-git\\_commit\\_hash=8000293888188c3923f5bd8a69370dae25ed14e5&var-patchset\\_hash=](https://kcidb.kernelci.org/d/revision/revision?orgId=1&var-git_commit_hash=8000293888188c3923f5bd8a69370dae25ed14e5&var-patchset_hash=)

## LEGEND

✖ ERROR - Aborted. Test, tested code, or both might be faulty.  
✘ FAIL - Failed. Tested code is likely faulty.  
✔ PASS - Passed. Tested code is likely correct.  
○ DONE - Finished. Status of tested code is unknown.  
▢ SKIP - Skipped. Planned, but didn't execute.  
? UNKNOWN - In progress, or status unknown.  
🟡 WAIVED - Waived result. Test is too new or shows known failures.  
— BLANK - No data, zero.

# The Testing Problem



# KernelCI Tests are flaky

- Results depend on hardware, timing, prior state, etc.
- Each run can be different
- A broken change might pass and a healthy change might fail
- Automated pre-merge testing is still rare
- Nobody stops development to fix CI

# Issue masking across CI systems





# Linaro Tuxsuite

## Build capacity is a problem of the past

TuxSuite™ delivers on-demand APIs and tools for building Linux kernels in parallel and at scale.

Enter your email address

Stay Informed →

## A mass build service, not really a CI

## Supported Architectures and Toolchains

TuxBuild and TuxMake endeavor to support all upstream Linux supported toolchain and architecture combinations.

### Architectures Supported

arc arm arm 64 i386 mips parisc powerpc risc  
s390 sh sparc x86\_64

### Toolchains Supported

gcc-8 gcc-9 gcc-10 clang-10 clang-11 clang-12  
clang-nightly clang-android

A mass build service, not really a CI



```
☒ Queued: powerpc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiVKfGiDZaLKiMnVzq7qvvb9/  
☒ Queued: sparc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiSMQTUw9wnTlYlbLLzHhiXG/  
☒ Queued: parisc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiR4A50tHSNuYutpgNcAnB0W/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (allmodconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiRK347oLZZzXCLXAj9SK7Xg/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (defconfig) with gcc-8 @ https://builds.tuxbuild.com/1lRAiPmTIrRycilG0fIIQASjxAN/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm (allmodconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiPTWxJpjF8MDnYuBUD2a6oM/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (allyesconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiTcWtNevr6Dgft7BhNEGqdB/  
🚀 Building: bbf5c979011a ("Linux 5.9") x86 (allmodconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiQeTScsLdo4GYmWDkLQb2Qe/  
🚀 Building: bbf5c979011a ("Linux 5.9") mips (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiTfu4ZPLKTKceBIW08ncTBE/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (tinyconfig) with clang-11 @ https://builds.tuxbuild.com/1lRAiVxHvJBeEhQRtjDF0rIClyK/  
🚀 Building: bbf5c979011a ("Linux 5.9") x86 (allmodconfig) with clang-nightly @ https://builds.tuxbuild.com/1lRAiuEnyztcu9XAQsMiBajTERF/  
🚀 Building: bbf5c979011a ("Linux 5.9") i386 (allmodconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiTbeyaVRSGxjrH6mRgzH4tp/  
🚀 Building: bbf5c979011a ("Linux 5.9") riscv (tinyconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiVlQoOQzaIohwrUyC7tCQBL/
```

A mass build service, not really a CI



```
☒ Queued: powerpc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiVKfGiDZaLKiMnVzq7qvvb9/  
☒ Queued: sparc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiSMQTUw9wnTlYlbLLzHhiXG/  
☒ Queued: parisc (tinyconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiR4A50tHSNuYutpgNcAnB0W/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (allmodconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiRK347oLZZzXCLXAj9SK7Xg/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (defconfig) with gcc-8 @ https://builds.tuxbuild.com/1lRAiPmTIrRycilG0fIiQASjxAN/  
🚀 Building: bbf5c979011a ("Linux 5.9") arm (allmodconfig) with gcc-10 @ https://builds.tuxbuild.com/1lRAiPTWxJpjF8MDnYuBUD2a6oM/  
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🚀 Building: bbf5c979011a ("Linux 5.9") arm64 (tinyconfig) with clang-11 @ https://builds.tuxbuild.com/1lRAiVxHvJBeEhQRtjDF0rIClyK/  
🚀 Building: bbf5c979011a ("Linux 5.9") x86 (allmodconfig) with clang-nightly @ https://builds.tuxbuild.com/1lRAiuEnyztcu9XAQsMiBajTERF/  
🚀 Building: bbf5c979011a ("Linux 5.9") i386 (allmodconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiTbeyaVRSGxjrH6mRgzH4tp/  
🚀 Building: bbf5c979011a ("Linux 5.9") riscv (tinyconfig) with gcc-9 @ https://builds.tuxbuild.com/1lRAiVlQoOQzaIohwrUyC7tCQBL/
```

No "known issue" tracking



# Gentoo GKernelCI



The screenshot shows the Gentoo GKernCI buildbot interface. On the left is a sidebar with a dark blue background and white text, titled "Gentoo Kernel". It includes a navigation menu with options: Home, Grid View, Waterfall View, Console View, Builds (selected), About, and Settings. Each option has a corresponding icon next to it. The main area is titled "Gentoo Kernel" and shows "Anonymous" at the top right. A large heading "Welcome to buildbot" is centered. Below it, a message says "0 builds running currently" and "20 recent builds". The interface displays six build results in cards:

- 4.19:ppc64:gcc**: Status: **SUCCESS**, build successful, 18:02
- 5.4:arm:gcc**: Status: **SUCCESS**, build successful, 29:55
- other\_sources**:
  - other\_sources/269: Status: **SUCCESS**, build successful, 3:19
  - other\_sources/268: Status: **SUCCESS**, build successful, 2:19
  - other\_sources/267: Status: **SUCCESS**, build successful, 6:09
- 5.10:sparc:gcc**: Status: **SUCCESS**, build successful, 20:13
- 5.10:ppc64:gcc**: Status: **SUCCESS**, build successful, 33:43
- 5.4:arm64:gcc**: Status: **FAILURE**, failed '/bin/bash run\_tests.sh ...' (f... 1:06:02)

## Running builds and kselftests



Gentoo Kernel

Build steps Build Properties Worker: worker0 Responsible Users Changes Debug

Step	Description	Time
0	All   4.19:ppc64:gcc/15	18:02 build successful <span style="background-color: green; color: white;">SUCCESS</span>
1	worker_preparation	1 s worker worker0 ready
2	Clean enviroment	0 s Cleaned enviroment
3	date	1 s property 'discovertime' set
4	Fetching linux-patches	17 s update
5	Fetching Ghelper	1 s update
6	Looking for new upstream release	1:57 '/usr/bin/python3 check-kernelpage.py ...'
7	Patching kernel	3:11 '/bin/bash patch-kernel.sh ...'
8	Listing rejected files	4 s '/bin/bash find.sh'
9	Building kernel	5:24 '/bin/bash ..//build-kernel.sh ...'
10	Building modules	11 s '/bin/bash ..//build-kernel.sh ...'
11	Move kernel to filesystem	1 s '/bin/bash to_fileserver.sh ...'
12	Run Gentoo kernel tests	6:08 '/bin/bash run_tests.sh ...'
13	Send report to KCIDB	15 s '/bin/bash kcidb/sendtokcidb ...'
14	Clean environment end	22 s Cleaned environment

## Running builds and kselftests



# KernelCI

# Gentoo GKernelCI

The screenshot shows a web-based interface for GKernelCI. It displays a list of commits grouped by date. Each commit entry includes the repository name, commit message, author, date, and a summary of build status. A callout box highlights a successful build for 'sys-kernel/gentoo-sources: Linux patch 4.19.211' on Oct 13, 2021, with two successful checks: 'buildbot/gentoo\_sources' and 'buildbot/other\_sources'. Other commits shown include Linux patches for 4.19.211 and 5.14.12, and various Gentoo eclass updates.

- Commits on Oct 13, 2021
  - sys-kernel/gentoo-sources: Linux patch 4.19.211 ...  
aliceinwire committed on Oct 13, 2021 ✓  
All checks have passed  
2 successful checks
    - ✓ buildbot/gentoo\_sources — Build ... Details
    - ✓ buildbot/other\_sources — Build d... Details
  - sys-kernel/gentoo-sources: Linux patch 5.14.12 ...  
aliceinwire committed on Oct 13, 2021 ✗
- Commits on Sep 17, 2021
  - app-benchmarks/tobench: bump to v0.5.0 ...  
aliceinwire committed on Sep 17, 2021
  - kernel-2.eclass: Update PYTHON\_COMPAT to drop python 3.7 ...  
aliceinwire committed on Sep 17, 2021 ✓
  - sys-kernel/rt-sources: drop old ebuild ...  
aliceinwire committed on Sep 17, 2021 ✓
  - sys-kernel/rt-sources: fix filename ...  
aliceinwire committed on Sep 17, 2021 ●
  - sys-kernel/rt-sources: Bump rt-sources-4.9.282 p187 ...  
aliceinwire committed on Sep 17, 2021 ●
  - sys-kernel/rt-sources: Bump revision of 4.4.277\_p224 to EAPI=8 ...  
aliceinwire committed on Sep 17, 2021

## Post- and pre-merge testing





A screenshot of the GKernelCI web interface. The top navigation bar includes links for "Dashboard", "Commits", "Builds", "Issues", "Jobs", "Logs", and "Help". The main content area shows two sections of commit history. The first section, "Commits on Oct 13, 2021", lists several commits from "aliceinwire" and build logs for "buildbot/gentoo\_sources" and "buildbot/other\_sources". A callout box highlights a successful build log for "buildbot/gentoo\_sources" with the message "All checks have passed" and "2 successful checks". The second section, "Commits on Sep 17, 2021", lists commits from "aliceinwire" and "allceinwire" for various packages like "app-benchmarks/tibbench", "kernel-2.eclass", and "sys-kernel/rt-sources". Each commit has a "Verified" badge, a copy icon, a hash code, and a diff icon.

No "known issue" tracking



# ARM Kernel CI



- Post-merge testing
- Running perf tool and LTP
- No known issue tracking?
- Switching to an instance of Kernel CI Native





# Red Hat CKI

## ✓ PASS: Test report for kernel 5.15.13 (stable-queue, 7fb4d82f)

[Date Prev][Date Next][Thread Prev][Thread Next][Date Index][Thread Index]

- 
- *Subject:* ✓ PASS: Test report for kernel 5.15.13 (stable-queue, 7fb4d82f)
  - *From:* CKI Project <cki-project@xxxxxxxxxx>
  - *Date:* Tue, 11 Jan 2022 14:28:34 -0000
- 

Check out this report and any autotriaged failures in our web dashboard:  
<https://datawarehouse.cki-project.org/kcldb/checkouts/28727>

Hello,

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

Kernel repo: <https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable-rc.git>  
Commit: 7fb4d82fc369 - drm/amd/pm: keep the BACO feature enabled for suspend

The results of these automated tests are provided below.

```
Overall result: PASSED
  Merge: OK
  Compile: OK
  Tests: OK
Targeted tests: NO
```

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

<https://arr-cki-prod-datawarehouse-public.s3.amazonaws.com/index.html?prefix=datawarehouse-public/2022/01/11/445604228>

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.

## Post-merge,...



# KernelCI

# Red Hat CKI

GitLab    Menu

centos-stream-9    Red Hat > kernel > centos-stream-9 > Merge requests > 1358

Open | Created 2 days ago by Corinna Vinschen (Developer) | Report abuse

### igbf: driver update for 9.0

Overview 0 Commits 2 Pipelines 1 Changes 1

Status	Pipeline ID	Triggerer	Commit	Stages	Duration	Run pipeline
<span style="color: orange;">!</span>	#448177239		801b081f Merge: igbf: ...	<span style="color: orange;">!</span> → <span style="color: green;">✓</span> <span style="color: green;">✓</span> <span style="color: red;">✗</span>	1 day ago	<span style="color: orange;">...</span>

Add a to do

0 Assignees None

4 Reviewers

- Michal Schmidt @mschmidt2
- Stefan Assmann @sassmann\_rh
- Jonathan Toppins @jtoppins\_redhat
- Ken Cox @kencox

Milestone None

Time tracking No estimate or time spent

Labels

- Acks OK
- Bugzilla
- NeedsTesting
- CKI OK
- CKI\_RT::Failed merge
- CommitRefs OK
- Dependencies OK

Collage sidebar

# and pre-merge testing





A screenshot of a GitLab project page for "kernel-tests". The sidebar on the left shows project navigation options like Project information, Repository, Issues (209), Merge requests (10), CI/CD, Security &amp; Compliance, Deployments, Analytics, and Settings. The main content area displays project statistics: 1,739 Commits, 1 Branch, 0 Tags, 5.9 MB Files, and 15.5 MB Storage. Below this, a section titled "CI tests to run in Beaker" shows a progress bar. The commit list includes a merge request from Fendy Tjahjadi: "Merge: machineinfo: get more info about the machine" (715cd634). At the bottom, there are links for README, GNU GPLv3, CI/CD configuration, and Configure Integrations. A table lists recent commits: acpi (don't call rstrntr-report-result before calling c..., 1 month ago), autofs/connectathon (Shellcheck[autofs]: SC2157 (the conditional ...), 1 year ago), and cki\_bin (cki\_bin/pkg\_install: avoid to break installati..., 1 year ago).

Running lots of test suites...



KernelCI

# Red Hat CKI

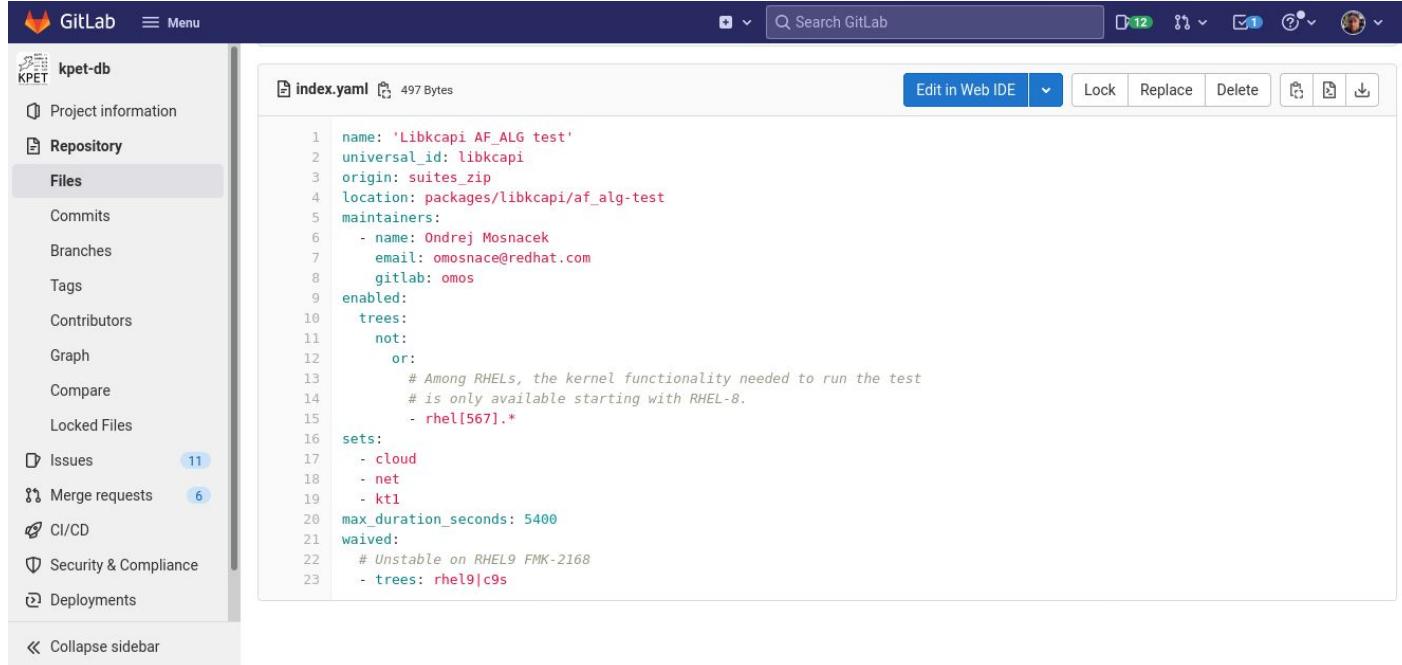
The screenshot shows the GitLab CI pipeline interface for the project 'cki-trusted-contributors'. The sidebar on the left is collapsed, and the main area displays a grid of pipeline stages for different architectures. The stages are organized into columns: Publish, Setup, and Test. Each column contains four rows of tasks, each with a green checkmark icon indicating success. The architectures listed are aarch64, ppc64le, s390x, and x86\_64, with sub-tasks for publishing, setting up, and testing each.

	Publish	Setup	Test
aarch64	publish aarch64 setup aarch64 test aarch64	setup aarch64	test aarch64
ppc64le	publish ppc64le setup ppc64le test ppc64le	setup ppc64le	test ppc64le
s390x	publish s390x setup s390x test s390x	setup s390x	test s390x
x86_64	publish x86_64 setup x86_64 test x86_64	setup x86_64	test x86_64
	publish x86_64 debug setup x86_64 debug test x86_64 debug	setup x86_64 debug	test x86_64 debug

## on several architectures and lots of hardware



# KernelCI Red Hat CKI



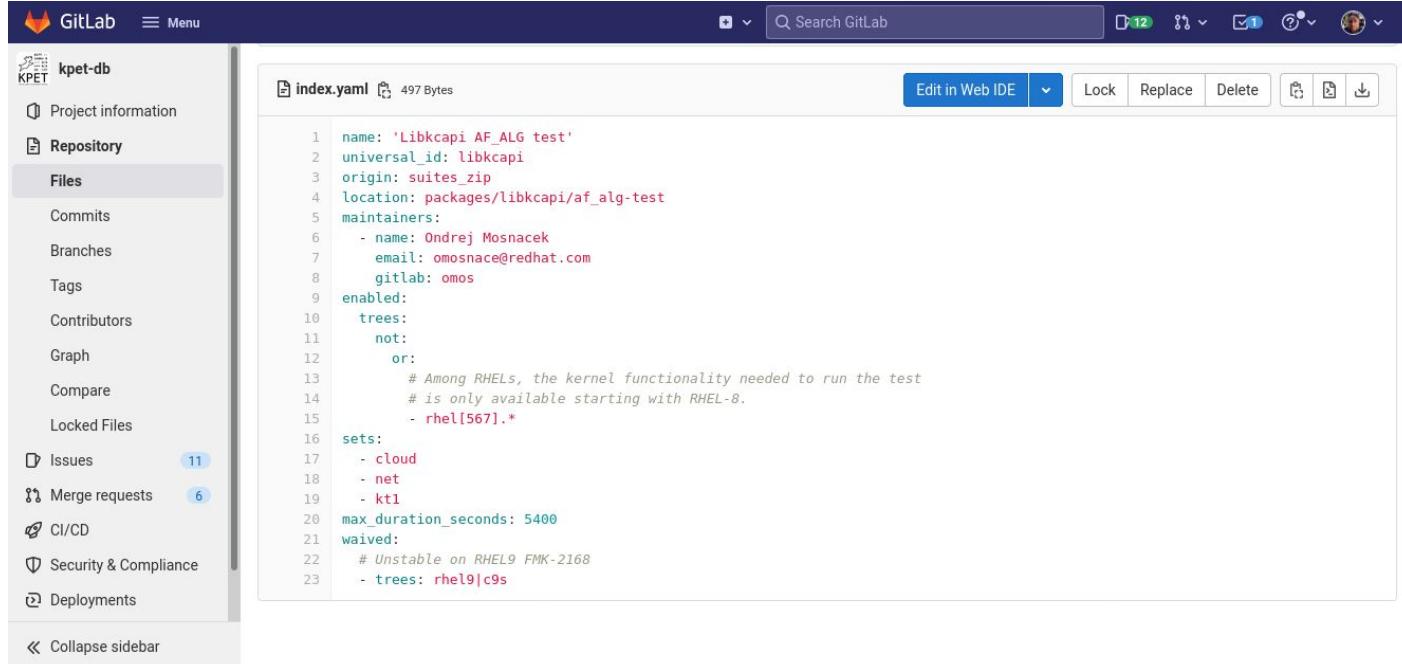
The screenshot shows the GitLab interface for the kpet-db repository. The left sidebar is visible with various project management options like Project information, Repository, Files, Issues (11), Merge requests (6), CI/CD, Security & Compliance, and Deployments. The main area displays the contents of the index.yaml file.

```
index.yaml
1 name: 'Libkcapi_AF_ALG test'
2 universal_id: libkcap
3 origin: suites_zip
4 location: packages/libkcap/af_alg-test
5 maintainers:
6   - name: Ondrej Mosnacek
7     email: omosnace@redhat.com
8     gitlab: omos
9 enabled:
10   trees:
11     not:
12       or:
13         # Among RHELS, the kernel functionality needed to run the test
14         # is only available starting with RHEL-8.
15         - rhel[567].*
16 sets:
17   - cloud
18   - net
19   - ktl
20 max_duration_seconds: 5400
21 waived:
22   # Unstable on RHEL9 FMK-2168
23   - trees: rhel9|c9s
```

Each test suite can be manually disabled or waived...



# KernelCI Red Hat CKI



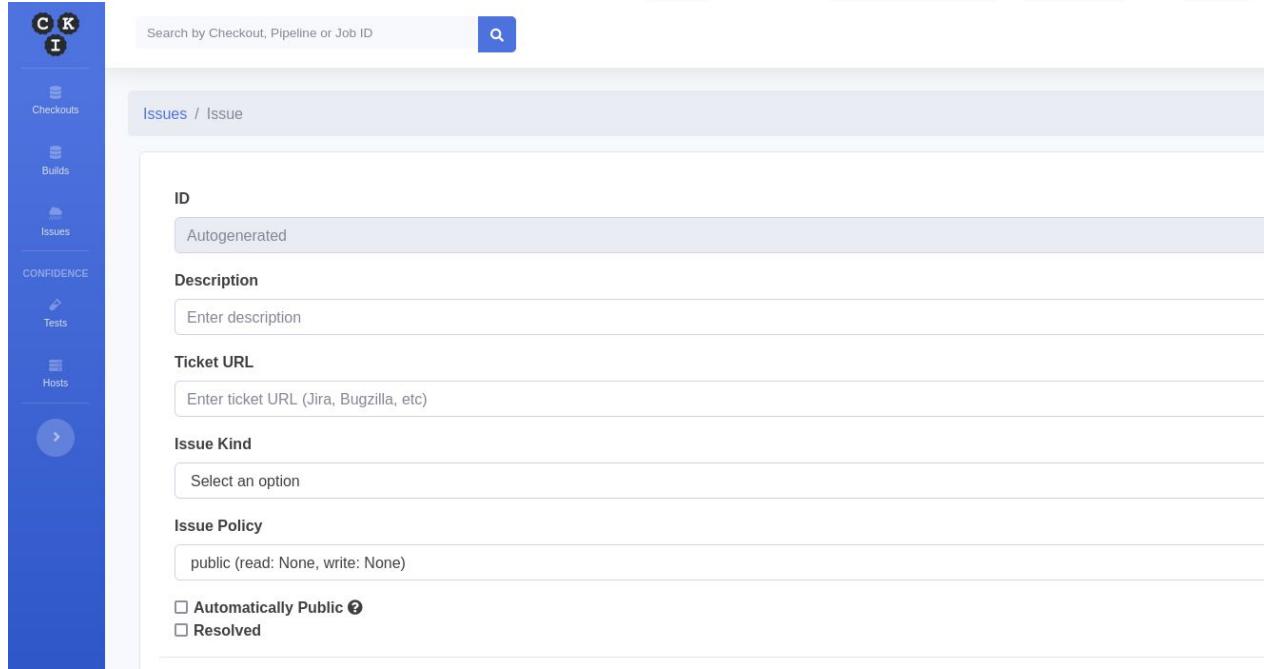
The screenshot shows a GitLab repository page for 'kpET/kpt-db'. The left sidebar is visible with various project management options like Project information, Repository, Files, Issues (11), Merge requests (6), CI/CD, Security & Compliance, and Deployments. The main area displays the 'index.yaml' file, which contains the following YAML configuration:

```
1 name: 'Libkapi_AF_ALG test'
2 universal_id: libkapi
3 origin: suites_zip
4 location: packages/libkapi/af_alg-test
5 maintainers:
6   - name: Ondrej Mosnacek
7     email: omosnace@redhat.com
8     gitlab: omos
9 enabled:
10   trees:
11     not:
12       or:
13         # Among RHELS, the kernel functionality needed to run the test
14         # is only available starting with RHEL-8.
15         - rhel[567].*
16 sets:
17   - cloud
18   - net
19   - ktl
20 max_duration_seconds: 5400
21 waived:
22   # Unstable on RHEL9 FMK-2168
23   - trees: rhel9|c9s
```

depending on kernel tree, architecture, or build



# Red Hat CKI



The screenshot shows the CKI web interface for creating a new issue. On the left is a sidebar with navigation links: Checkouts, Builds, Issues, Tests, and Hosts. Below these are sections for CONFIDENCE and a large circular arrow icon. The main area has a search bar at the top. The URL is /Issues / Issue. The form fields include:

- ID**: Autogenerated
- Description**: Enter description
- Ticket URL**: Enter ticket URL (Jira, Bugzilla, etc)
- Issue Kind**: Select an option
- Issue Policy**: public (read: None, write: None)
- Status**:
  - Automatically Public ?
  - Resolved

Known issues are manually maintained,...



# KernelCI

# Red Hat CKI

Kernel Bug Storage block - storage fio numa: Performance comparison: min:40535 \* 1.15 < max:81259 stable

Created by:

Kind: Kernel bug	Resolved: No	Policy: public (read: None, write: None)
Ticket URL: <a href="https://bugzilla.redhat.com/show_bug.cgi?id=2032094">https://bugzilla.redhat.com/show_bug.cgi?id=2032094</a>		
Origin Tree: stable		

**Regexes**

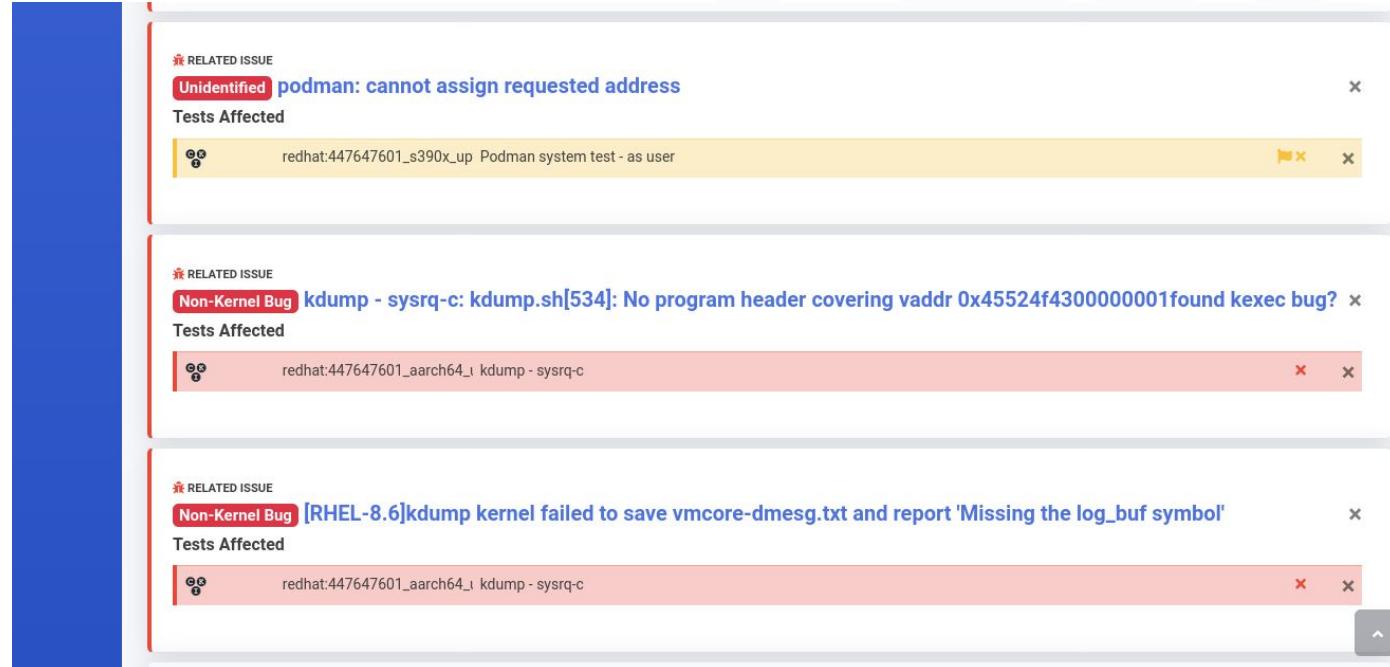
Text	File Name	Test Name
\[\s+FAIL\s+\] :: Performance comparison: min:\d+ \* 1\.15 < max:\d+	taskout\log	Storage block - storage f

**Affected hosts**

**Affected Checkouts**

ID	Tree	Branch	Start Time
redhat:449002104	mainline.kernel	master	Jan. 16, 2022, 8:26 a.m.
redhat:448605532	kernel-rt-rhel9		Jan. 15, 2022, 12:54 a.m.
redhat:448600281	rhel9		Jan. 15, 2022, 12:33 a.m.

and link test suite, output file regex, and bug



The screenshot shows a list of three test issues:

- RELATED ISSUE**  
**Unidentified** podman: cannot assign requested address  
Tests Affected:  
redhat:447647601\_s390x\_up Podman system test - as user
- RELATED ISSUE**  
**Non-Kernel Bug** kdump - sysrq-c: kdump.sh[534]: No program header covering vaddr 0x45524f4300000001found kexec bug?  
Tests Affected:  
redhat:447647601\_aarch64\_l kdump - sysrq-c
- RELATED ISSUE**  
**Non-Kernel Bug** [RHEL-8.6]kdump kernel failed to save vmcore-dmesg.txt and report 'Missing the log\_buf symbol'  
Tests Affected:  
redhat:447647601\_aarch64\_l kdump - sysrq-c

Known test issues are ignored



# KernelCI Red Hat CKI

Last Triaged At: Jan. 14, 2022, 3:35 p.m.

 FAIL: Test report for kernel 5.16.0 (mainline.kernel.org, 112450df)

 RELATED ISSUE  
**Kernel Bug** [Compile error ppc64le: Cannot find symbol for section 11: .text.unlikely.](#) mainline.kernel.org

Builds Affected

	redhat:1976638083	ppc64le
---	-------------------	---------

List of Builds

Build ID	Architecture	Compiler	Status	Actions
redhat:1976638079	x86_64	gcc (GCC) 11.2.1 20211203 (Red Hat 11.2.1-7)	Build: ✓ Tests: 3 ✓	
redhat:1976638086	aarch64	aarch64-linux-gnu-gcc (GCC) 11.2.1 20210728 (Red Hat Cross 11.2.1-1)	Build: ✓	
redhat:1976638077	x86_64	gcc (GCC) 11.2.1 20211203 (Red Hat 11.2.1-7)	Build: ✓	
redhat:1976638083	ppc64le	powerpc64le-linux-gnu-gcc (GCC) 11.2.1 20210728 (Red Hat Cross 11.2.1-1)	Build: ✘	
redhat:1976638093	s390x	s390x-linux-gnu-gcc (GCC) 11.2.1 20210728 (Red Hat Cross 11.2.1-1)	Build: ✓	

as well as known build issues





# KernelCI Kernel CI Native

[Home](#) [Jobs](#) [Builds](#) [Tests](#) [SoCs](#) [Info](#)

## KernelCI Dashboard

Welcome to the KernelCI web dashboard for the upstream Linux kernel.

You'll find here all the results for kernel builds and tests run natively by KernelCI on mainline, linux-next, stable and a variety of maintainer branches.

To find out more about the project, see the main [kernelci.org](https://kernelci.org) website.

-  View kernel branches and their latest build and test results
-  View latest kernel build results
-  View latest test results
-  View results per SoC or hardware family
-  View statistics about all the data

[kernelci.org](https://kernelci.org)  
Documentation  
API documentation  
Frontend Version: 2021.5 | Backend Version: 2021.6.1

## Post-merge testing



KernelCI

# Kernel CI Native

[Home](#) [Jobs](#) [Builds](#) [Tests](#) [SoCs](#) [Info](#)

## Available Builds

The results shown here cover the last **14 days** of available data starting from **Sat, 15 Jan 2022** (time is UTC based).

25 reports per page  Filter the results

Tree	Branch	Kernel	Defconfig	Arch.	Compiler	Date	Status
mainline	master	v5.16-9673-ga33f5c380...	defconfig+kselftest	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
mainline	master	v5.16-9673-ga33f5c380...	rv32_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
mainline	master	v5.16-9673-ga33f5c380...	nommu_k210_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
mainline	master	v5.16-9673-ga33f5c380...	nommu_k210_sdcard_defco...	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
mainline	master	v5.16-9673-ga33f5c380...	defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	rv32_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	defconfig+debug	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	nommu_k210_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
android	android13-5.15	ASB-2022-01-05_13-5.1...	nommu_k210_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	nommu_k210_sdcard_defco...	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
android	android13-5.15	ASB-2022-01-05_13-5.1...	rv32_defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
next	master	next-20220115	defconfig+kselftest	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓
android	android13-5.15	ASB-2022-01-05_13-5.1...	defconfig	riscv	riscv64-linux-gnu-gcc (Debian 10.2.1-6) 10.2.1 20210110	2022-01-15	✓

# Running builds,



Home Jobs Builds Tests SoCs Info

## Available Test Results

The results shown here cover the last **14 days** of available data starting from **Sat, 15 Jan 2022** (time is [UTC](#) based).

25 ▾ Tests per page

Filter the results

Tree	Branch	Kernel	Test Plan	Test Results	Date
mainline	master	v5.16-9673-ga33f5c380c4b	baseline	<span>○</span> <span>○</span> <span>41</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	ltp-timers	<span>○</span> <span>○</span> <span>7</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	baseline-cip-nfs	<span>○</span> <span>○</span> <span>0</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	ltp-mm	<span>○</span> <span>○</span> <span>2</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	usb	<span>○</span> <span>○</span> <span>1</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	ltp-fcntl-locktests	<span>○</span> <span>○</span> <span>0</span>	2022-01-15
next	pending-fixes	v5.16-9796-g01303ef9c816	baseline-nfs	<span>○</span> <span>○</span> <span>1</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	cros-ec	<span>○</span> <span>○</span> <span>1</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	smc	<span>○</span> <span>○</span> <span>0</span>	2022-01-15
next	pending-fixes	v5.16-9796-g01303ef9c816	baseline	<span>○</span> <span>○</span> <span>31</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	igt-kms-tegra	<span>○</span> <span>○</span> <span>0</span>	2022-01-15
mainline	master	v5.16-9673-ga33f5c380c4b	baseline-nfs	<span>○</span> <span>○</span> <span>2</span>	2022-01-15
tip	master	irq-core-2022-01-13-320-g...	baseline	<span>○</span> <span>○</span> <span>2</span>	2022-01-15

# and several test suites



## Available SoCs

The results shown here cover the last **14 days** of available data starting from **Sat, 15 Jan 2022** (time is **UTC** based).

SoC	Total Unique Labs	Total Unique Boards	Total Test Results
allwinner	3	23	3,675,623
alpine	1	1	36,852
amlogic	3	17	2,331,749
arc	1	1	18,034
at91	1	1	39,261
broadcom	4	4	693,584
davinci	1	1	108,948
exynos	2	4	1,137,433
freescale	3	13	2,221,713
hisilicon	2	1	217,306
imx	4	21	3,122,235
mediatek	1	2	847,843
mvebu	1	1	182,263
omap2	5	4	1,419,393

on a lot of (mostly embedded) hardware



# KernelCI

# Kernel CI Native

Linaro / test-definitions (Public)

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Code Issues 9 Pull requests 3 Actions Projects Wiki Security Insights

master test-definitions / automated / linux / kselftest / skipfile-lkft.yaml Go to file ...

Naresh Kamboju kselftest: skipfile-lkft: Adding new device type dragonboard-845c ... ✓ Latest commit 7dab857 5 days ago History

3 contributors

396 lines (374 sloc) | 8.85 KB Raw Blame ⚒

```
1 # This skipfile is consumable using skipgen
2 # (https://github.com/Linaro/skipgen), included in this repo in
3 # /automated/bin/<arch>/skipgen.
4 #
5 # reason:
6 #   Please provide a human readable explanation of the reason for the skip.
7 # url:
8 #   A url referencing the issue. Often a link to the bug. Only one url may be
9 #   specified.
10 # environments:
11 #   Should be 'production', 'staging', or 'all' for both. Our
12 #   staging environment contains a very minimal skiplist. Only tests which make
13 #   testing unstable should include staging.
14 # boards:
```

## Using Linaro's test definitions and "skipfiles"



kernelci/staging-mainline sleep: 11 runs, 2 regressions (staging-mainline-20220115.0)

## Regressions Summary

platform	arch	lab	compiler	defconfig	regressions
rk3288-rock2-square	arm	lab-collabora	gcc-10	multi_v7_defconfig	2

Details: <https://staging.kernelci.org/test/job/kernelci/branch/staging-mainline/kernel/staging-mainline-20220115.0/plan/sleep/>

Test: sleep

Tree: kernelci

Branch: staging-mainline

Describe: staging-mainline-20220115.0

URL: <https://github.com/kernelci/linux.git>

SHA: a590212437a74dc0549f79c18242b3bb598de091

## Test Regressions

platform	arch	lab	compiler	defconfig	regressions
rk3288-rock2-square	arm	lab-collabora	gcc-10	multi_v7_defconfig	2

Details: <https://staging.kernelci.org/test/plan/id/61e227ee60f8c8e4d7217884>

# Reporting only new build/test failures



kernelci/staging-mainline sleep: 11 runs, 2 regressions (staging-mainline-20220115.0)

## Regressions Summary

---

platform	arch	lab	compiler	defconfig	regressions
rk3288-rock2-square	arm	lab-collabora	gcc-10	multi_v7_defconfig	2

Details: <https://staging.kernelci.org/test/job/kernelci/branch/staging-mainline/kernel/staging-mainline-20220115.0/plan/sleep/>

Test: sleep

Tree: kernelci

Branch: staging-mainline

Describe: staging-mainline-20220115.0

URL: <https://github.com/kernelci/linux.git>

SHA: a590212437a74dc0549f79c18242b3bb598de091

## Test Regressions

---

platform	arch	lab	compiler	defconfig	regressions
rk3288-rock2-square	arm	lab-collabora	gcc-10	multi_v7_defconfig	2

Details: <https://staging.kernelci.org/test/plan/id/61e227ee60f8c8e4d7217884>

# Looking at status only



KernelCI

# Kernel CI Native

Breaking commit found:

```
-----  
commit 9971c9bd0f1def95bcef9d915b3941cba97c0c95  
Author: kernelci.org bot <ebot@kernelci.org>  
Date:   Fri Jan 14 00:04:12 2022 +0000
```

```
staging-mainline-20220114.0
```

```
diff --git a/staging-mainline b/staging-mainline  
new file mode 100644  
index 000000000000..4f7d4a113381  
--- /dev/null  
+++ b/staging-mainline  
@@ -0,0 +1 @@  
+staging-mainline-20220114.0  
\ No newline at end of file
```

-----

Git bisection log:

```
-----  
git bisect start  
# good: [fb3b0673b7d5b477ed104949450cd511337ba3c6] Merge tag 'mailbox-v5.17' of git://git.linaro.org/landing-teams/working/fujitsu/integration  
git bisect good fb3b0673b7d5b477ed104949450cd511337ba3c6  
# bad: [9971c9bd0f1def95bcef9d915b3941cba97c0c95] staging-mainline-20220114.0  
git bisect bad 9971c9bd0f1def95bcef9d915b3941cba97c0c95  
# first bad commit: [9971c9bd0f1def95bcef9d915b3941cba97c0c95] staging-mainline-20220114.0  
# bad: [9971c9bd0f1def95bcef9d915b3941cba97c0c95] staging-mainline-20220114.0  
git bisect bad 9971c9bd0f1def95bcef9d915b3941cba97c0c95  
# first bad commit: [9971c9bd0f1def95bcef9d915b3941cba97c0c95] staging-mainline-20220114.0
```

-----

## Bisecting automatically...



# KernelCI

# Kernel CI Native

The screenshot shows a Kanban board interface for managing kernel bugs. The board is divided into four columns: Discovered, Reported, Fixed, and Verified. Each column has a header with a plus sign to add more cards.

- Discovered:** 9 items. Examples include "ea718c699055 mtk-mmssys-probed" and "KernelCI IGT KMS test failures on veyron\_jaq".
- Reported:** 5 items. Examples include "8c3d64251ac5 phy-rockchip-inno-usb2" and "eac6f3841f1d SMT in ASYM\_PACKING load balance".
- Fixed:** 2 items. Examples include "7c636d4d20f8 Network errors on mt8173-elm-hana" and "d1ecc4f44f11 boot failure on omap4-panda on Ard's tree".
- Verified:** 5 items. Examples include "d00e60ee54b12 rk3288 LPAE boot failure" and "2ff0682da6e0 boot failure on QEMU".

At the bottom of each column, there are buttons for "Automated as" (To do or Done) and "Manage". A global "Manage" button is also located at the bottom right of the board area.

...but reviewing bisection reports before sending

A faint, semi-transparent watermark of a person sitting at a desk, facing a laptop computer, is visible in the background.

**intel®**  
**0-Day**

The text "intel®" is enclosed in its signature blue swoosh logo. To the right of a thin vertical gap, the word "0-Day" is written in a large, bold, blue sans-serif font.

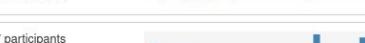


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LIST	DESCRIPTION	ACTIVITY IN THE PAST 30 DAYS
<b>kbuild-all</b> kbuild-all@lists.01.org	kbulid-all holds all the reports from the 0day linux kernel build test robot, including compile error/warnings and sparse/smatch /coccinelle static check warnings.	 140 participants 1418 discussions
<b>LKP</b> lkp@lists.01.org	Linux Kernel Performance	 51 participants 86 discussions
<b>ofono</b> ofono@ofono.org		 34 participants 35 discussions
<b>SPDK</b> spdk@lists.01.org	Storage Performance Development Kit	 9 participants 6 discussions
<b>tpm2</b> tpm2@lists.01.org	tpm2	 9 participants 10 discussions
<b>Celadon</b> celadon@lists.01.org	An Android Open Source Platform for Intel Architecture	 7 participants 6 discussions
<b>iwd</b> iwd@lists.01.org		 7 participants 36 discussions

## Post-merge testing



# Intel 0-Day

MI01.01.Org

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< newer arch/x86/kernel/alternative.c:1411:2-3: Unneeded semicolon > older  
{standard input}:1381: Error: Insn...  
dibs\_check....

2022

January kernel test robot Saturday, 15 January 2022 11:38 a.m. A % 0 0 days inactive days old kbuild-all@lists.01.org

2021

2020

2019

Manage subscription  1 comments  1 participants  Add to favorites  TAGS (0)  PARTICIPANTS (1)  kernel test robot

List overview  Download

If you fix the issue, kindly add following tag as appropriate  
Reported-by: kernel test robot <lkp(a)intel.com>;

coccis warnings: (new ones prefixed by >>)  
|...  
> arch/x86/kernel/alternative.c:1411:2-3: Unneeded semicolon

Please review and possibly fold the followup patch.

---

O-DAY CI Kernel Test Service, Intel Corporation  
<https://lists.01.org/hyperkitty/list/kbuild-all@lists.01.org>

## Running static analysis,



# Intel 0-Day

MI01.01.Org

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< newer Re: [PATCH 1/2] ext4: fast commit may not fallback for ineligible commit > older

2022  
January  
2021  
2020  
2019

Re: [PATCH v6 3/4]...

 Dan Carpenter

Monday, 10 January 2022 9:23 a.m.

1 days inactive 5 days old  
kbuild-all@lists.01.org

Manage subscription

Hi Xin,  
url:  
<https://github.com/0day-ci/linux/commits/Xin-Yin/ext4-fix-issues-when-fas...>  
base: <https://git.kernel.org/pub/scm/linux/kernel/git/ttyso/ext4.git> dev  
config: x86\_64-randconfig-m001-20220107  
(<https://download.01.org/0day-ci/archive/20220109/202201091544.W5HHEXAp-1k...>)  
compiler: gcc-9 (Debian 9.3.0-22) 9.3.0

If you fix the issue, kindly add following tag as appropriate  
Reported-by: kernel test robot <lkp(a)intel.com&gt;  
Reported-by: Dan Carpenter <dan.carpenter(a)oracle.com&gt;

New smatch warnings:  
fs/ext4/inode.c:340 ext4\_evict\_inode() error: uninitialized symbol 'handle'.  
vim +/handle +340 fs/ext4/inode.c

0930fcc1ee2f0a Al Viro *inode)	2010-06-07 167 void ext4_evict_inode(struct inode
ac27a0ec112a08 Dave Kleikamp -----	2006-10-11 168 {

8 comments 4 participants  
★ Add to favorites

TAGS (0)

PARTICIPANTS (4)

 Dan Carpenter  
 harshad shirwadkar  
 riteshh  
 Xin Yin

## Running static analysis,



MI01.01.Org

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< newer  dtbs\_check: arch/arm/boot/dts/qcom-msm8974-samsung-klte.dt.yaml: adreno@fdb00000: status:0: 'ok' is not one of ['okay', 'disabled', 'reserved']  > older

2022

January

...

kernel test robot Saturday, 15 January 2022 11:38 a.m. A % 0 0 days inactive days old

[PATCH] regulator: qcom\_smd: fix...

2021

2020

2019

List overview  Manage subscription  0 comments  1 participants  Add to favorites

Download  tree: <https://git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git> master  
head: 871bfa02d08d9c0ed981c50082b7af3d367d3700b  
commit: 4389eeac4867d0fd906cdaf17bf84d4a8681f59c ARM: dts: qcom: msm8974-klte: add support for GPU  
date: 12 months ago  
compiler: arm-linux-gnueabi-gcc (GCC) 11.2.0  
reproduce: make ARCH=arm dtbs\_check

If you fix the issue, kindly add following tag as appropriate  
Reported-by: kernel test robot <lkp(a)intel.com>

dtcheck warnings: (new ones prefixed by >>)  
arch/arm/boot/dts/qcom-msm8974-samsung-klte.dt.yaml: tcsr-mutex: 'reg' is a required property  
From schema: Documentation/devicetree/bindings/hwlock/qcom-hwspinlock.yaml  
arch/arm/boot/dts/qcom-msm8974-samsung-klte.dt.yaml: tcsr-mutex: 'syscon' does not match any of the regexes: 'pinctrl-[0-9]+'  
From schema: Documentation/devicetree/bindings/hwlock/qcom-hwspinlock.yaml  
arch/arm/boot/dts/qcom-msm8974-samsung-klte.dt.yaml: memory@fc428000:

# Running static analysis,



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```
compiler: clang version 14.0.0 (https://github.com/ttvm/ttvm-project
d102197b8e7e35dcc30201ca1731d4b5a602a8)
reproduce (this is a W=1 build):
    wget https://raw.githubusercontent.com/intel/lkp-tests/master/sbin/make.cross -OARTICIPANTS (1)
~/bin/make.cross
    chmod +x ~/bin/make.cross
#
https://git.kernel.org/pub/scm/linux/kernel/git/mingo/tip.git/commit/?id=...
git remote add mingo-tip
git://git.kernel.org/pub/scm/linux/kernel/git/mingo/tip.git
git fetch --no-tags mingo-tip sched/headers
git checkout eb4b43a3bb224895dc3976b63def55ee42203f5
# save the config file to linux build tree
mkdir build_dir
COMPILER_INSTALL_PATH=$HOME/0day COMPILER=clang make.cross W=1 O=build_dir
ARCH=i386 SHELL=/bin/bash

If you fix the issue, kindly add following tag as appropriate
Reported-by: kernel test robot <lkp(a)intel.com>

All errors (new ones prefixed by >>):

In file included from <built-in>:1:
...
> ./usr/include/linux/if_bonding.h:47:10: fatal error:
'uapi/linux/sockios.h' file not found
#include
<uapi/linux/sockios.h>
^
1 error generated.
```

---

builds,



# Intel 0-Day

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Year	Message Content	Comments	Participants	Add to favorites	TAGS (0)	Participants (5)
2020	Greeting,	11 comments	5 participants	<a href="#">★ Add to favorites</a>		
2019	FYI, we noticed the following commit (built with clang-14):  commit: aa93e2ad7464ffb90155a5ffdde963816f86d5dc ("x86/entry_32: Remove .fixup usage") <a href="https://git.kernel.org/cgit/linux/kernel/git/tip/tip.git">https://git.kernel.org/cgit/linux/kernel/git/tip/tip.git</a> x86/core					
2018						
2017	in testcase: kernel-selftests version: with following parameters:					
2016	group: x86					
2015	test-description: The kernel contains a set of "self tests" under the tools/testing/selftests/ directory. These are intended to be small unit tests to exercise individual code paths in the kernel. test-url: <a href="https://www.kernel.org/doc/Documentation/kselftest.txt">https://www.kernel.org/doc/Documentation/kselftest.txt</a>					
2014						
2013	on test machine: qemu-system-x86_64 -enable-kvm -cpu SandyBridge -smp 2 -m 16G caused below changes (please refer to attached dmesg/kmsg for entire log/backtrace):					

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	16e617d05e	aa93e2ad74
boot_successes	52	5
boot_failures	0	47
BUG:kernel hang in test stage	0	40

## and various test suites,



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Year	Message Content	Actions
2020	Greeting,	<input type="button"/> 3 comments <input type="button"/> 3 participants <input type="button"/> Add to favorites
2019	FYI, we noticed a -10.3% regression of will-it-scale.per_process_ops due to commit: commit: 59ec71575ab440cd5ca0aa53b2a2985b3639fad4 ("ucounts: Fix rlimit max values check") <a href="https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git master">https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git master</a>	<input type="button"/> TAGS (0)
2018	in testcase: will-it-scale on test machine: 144 threads 4 sockets Intel(R) Xeon(R) Gold 5318H CPU @ 2.50GHz with 128G memory with following parameters:	<input type="button"/> PARTICIPANTS (3) Eric W. Biederman kernel test robot Oliver Sang
2017	nr_task: 100% mode: process test: signal1 cpufreq_governor: performance ucode: 0x7002302	
2016		
2015		
2014		
2013	test-description: Will It Scale takes a testcase and runs it from 1 through to n parallel copies to see if the testcase will scale. It builds both a process and threads based test in order to see any differences between the two. test-url: <a href="https://github.com/antonblanchard/will-it-scale">https://github.com/antonblanchard/will-it-scale</a>	

List overview  
 Download

If you fix the issue, kindly add following tag  
Reported-by: kernel test robot <oliver.sang(intel.com)>

including performance tests!



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[\[newer\]](#) [loop] 322c4293ec: xfstests.xfs.014.fail [\[older\]](#)

757GD project schedule update. [headersdeps] 7ed1f1761b...

2022

January kernel test robot Friday, 14 January 2022 7:43 a.m. A %

2021

2020

2019 (please be noted we reported "[loop] 322c4293ec: xfstests.xfs.049.fail" on <https://lists.01.org/hyperkitty/list/lkp@lists.01.org/thread/FQDXNHC7CYZQ...> when this commit still on linux-next, and we noticed some discussion about the fix there. since now the commit merged to mainline and issues still exists, we reported this again as a reminder. Thanks)

2018 Greeting,

FYI, we noticed the following commit (built with gcc-9):

commit: 322c4293ecc58110227b49d7e47ae37b9b03566f ("loop: make autoclear operation asynchronous") <https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git master>

in testcase: xfstests  
version: xfstests-x86\_64-972d710-1\_20211221  
with following parameters:

disk: 4HDD  
fs: xfs  
sector\_size: 512

1 days inactive 1 days old

lkp@lists.01.org

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0 comments 1 participants [Add to favorites](#)

TAGS (0)

PARTICIPANTS (1)

kernel test robot

# Looking at build and test output,



# Intel 0-Day

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2010  
in testcase: xfstests  
version: xfstests-x86\_64-972d710-1\_20211221  
with following parameters:

2015  
disk: 4HDD  
fs: xfs  
test: xfs-group-01  
ucode: 0x21

2014  
2013  
test-description: xfstests is a regression test suite for xfs and other files ystem.  
test-url: [git://git.kernel.org/pub/scm/fs/xfs/xfstests-dev.git](https://git.kernel.org/pub/scm/fs/xfs/xfstests-dev.git)

[◀ List overview](#) [Download](#)

on test machine: 4 threads 1 sockets Intel(R) Core(TM) i3-3220 CPU @ 3.30GHz with 8G memory

caused below changes (please refer to attached dmesg/kmsg for entire log/backtrace):

---

and reporting new issues only (regressions)



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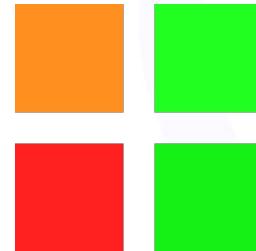
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	#	HH:MM	RESULT	GOOD	BAD
GOOD_BUT_DIRTY DIRTY_NOT_BAD					
git bisect start bc40aa17f91c833548005b512ab0cb35797e3ec3					
7f0c4a163aa51c7b924bafbe2013838d7ddadaed0 --					
git bisect bad f0853tf9065afb3f2f4ab820cb9fe2c7b2fa8fb74 # 02:55 B	0	0	6	16	0
Merge 'powerpc/fixes' into devel-catchup-201703310019					
git bisect bad eb89e0fad5f05aff26f150b6cbe25faae56e7c49 # 03:13 B	0	0	10	20	0
Merge 'arm-soc/next/drivers' into devel-catchup-201703310019					
git bisect bad a045f24cb706e5dc1221900c4da8eb38329b040d # 03:24 B	0	0	10	20	0
Merge 'vfs/uaccess.s390' into devel-catchup-201703310019					
git bisect bad 4596c37a533a26665f39e0fb17d08ce6759f91fc # 03:39 B	0	0	9	19	0
Merge 'jirislaby-devel' into devel-catchup-201703310019					
git bisect good a5efca74be0ca43084df5a32b920ef49c17dfc03 # 03:57 G	11	0	0	0	0
0day base guard for 'devel-catchup-201703310019'					
git bisect good 3e6618d407acac4e008ae126d4fb2f6fc263fc86 # 04:12 G	11	0	0	0	0
futex: make the encoded_op decoding readable					
git bisect good 531daa96ca1b4b39ade82d366ad5e4049f16e770 # 04:26 G	11	0	0	0	0
x86: entry, annotate THUNKS					
git bisect good 12c0e3ecc4e1ff60186c98b1fac126d3ac0e59 # 04:41 G	10	0	0	0	0
dw: more cleanup					
git bisect bad cc529dcfd0e915d20233019ca30bb2935311266b # 04:58 B	0	0	6	16	0
objtool: fix indentation					
git bisect bad 1fb109324f87730cd76c7e3da7a1252046c61dd7 # 05:07 B	0	0	9	19	0
OBJTOOL_START_FUNC+END					
git bisect good 5ac11f7b03f54ef3ee6763115ec4b73613aa6693 # 05:23 G	11	0	0	0	0
some debugging					
git bisect good 968b2d4c41f1d3fc7e1aed0b08bffacb99918533 # 05:42 G	10	0	0	0	0
dw: irq annotation					
git bisect good dbc5717f3b5e0f1d6e3edc628a3df0da58920c14 # 06:09 G	11	0	0	0	0
dw: more testing					
# first bad commit: [1fb109324f87730cd76c7e3da7a1252046c61dd7] OBJTOOL_START_FUNC+END					

Failures are bisected and reported automatically



# Intel GFX CI (CI Bug Log)

tree ▶ drm-tip ▾ view ▶ combined ▾

Test filter

FAIL WARN PASS SKIP TIMEOUT NOT RUN INCOMPLETE ABORT CRASH

**drm-tip fast-feedback**  
(shows only test that do not pass)

	bat-rpls-1	bat-adlp-6	bat-jsl-1	bat-jsl-2	fi-jsl-1	fi-rlk-11600	fi-rlk-guc	bat-dg1-5	bat-dg1-6	fi-igl-1115g4	fi-tgl-dsi	fi-ehi-2	fi-icd-u2	fi-cml-u2	fi-cfl-8109u	fi-cfl-87
igt@debugfs_test@read_all_entries	CI DRN 11088														CI DRN 11086	CI DRN 11087
igt@gem_exec_suspend@basic-s0@smem															CI DRN 11086	CI DRN 11087
igt@gem_exec_suspend@basic-s3@smem															CI DRN 11086	CI DRN 11087
igt@gem_flink_basic@bad-flink															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-bad-modifier															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-framebuffer-vs-set-tiling															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-modifier-no-flag															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-x-tiled-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-y-tiled-mismatch-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-y-tiled-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@adfb25-y-tiled-small-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@bad-pitch-65536															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@basic-x-tiled-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@basic-y-tiled-legacy															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@bo-too-small															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@bo-too-small-due-to-tiling															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@clobberred-modifier															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@framebuffer-vs-set-tiling															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@tile-pitch-mismatch															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@too-high															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@unused-handle															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@unused-modifier															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@unused-offsets															CI DRN 11086	CI DRN 11087
igt@kms_adfb_basic@unused-pitches															CI DRN 11086	CI DRN 11087
igt@kms_cursor_legacy@basic-flip-after-cursor-atomic															CI DRN 11086	CI DRN 11087
igt@drm11087	CI DRN 11088															
igt@drm11088																

Post-merge testing...

# KernelCI Intel GFX CI (CI Bug Log)

**Reviewer** None  
**Submitted** Jan. 4, 2022, 11:30 p.m.  
**Last Updated** Jan. 12, 2022, 2:06 a.m.  
**Revision** 2  
**Root msg-id(s):** 20220104233056.11245-1-matthew.brost@intel.com  
20220111163929.14017-1-matthew.brost@intel.com

## Rewards

[rev 1](#)[rev 2](#)[test revision 2 again](#)[skip revision 2 testing](#)

Patches [\[mbox patches\]](#) [\[mbox cover letter\]](#) [\[mbox cover letter and patches\]](#)

#	Name	Submitter	State	TC	A	F	R	T
1	drm/i915: Lock timeline mutex directly in error path of eb_pin_timeline	Matthew Brost	New	0		1		

## Tests

▼ <a href="#">Fl.CI.BAT</a>	<a href="#">success</a>	(See full logs)	Updated Jan. 11, 2022, 8:11 p.m.
▼ <a href="#">Fl.CI.CHECKPATCH</a>	<a href="#">success</a>		Updated Jan. 11, 2022, 7:39 p.m.
▼ <a href="#">Fl.CI.DOCS</a>	<a href="#">success</a>		Updated Jan. 11, 2022, 7:44 p.m.
▼ <a href="#">Fl.CI.IGT</a>	<a href="#">success</a>	(See full logs)	Updated Jan. 12, 2022, 2:05 a.m.
▼ <a href="#">Fl.CI.SPARSE</a>	<a href="#">success</a>		Updated Jan. 11, 2022, 7:40 p.m.

and pre-merge testing 



#	Name	Submitter	State	I	C	A	F	H	I
1	drm/i915: Lock timeline mutex directly in error path of eb_pin_timeline	Matthew Brost	New	0			1		

## Tests

▼ F.I.CI.BAT	success	(See full logs)	Updated Jan. 11, 2022, 8:11 p.m.
▲ F.I.CI.CHECKPATCH	success		Updated Jan. 11, 2022, 7:39 p.m.
<pre>\$ dim checkpatch origin/drm-tip 7be240c036e9 drm/i915: Lock timeline mutex directly in error path of eb_pin_timeline</pre>			
▲ F.I.CI.DOCS	success		Updated Jan. 11, 2022, 7:44 p.m.
<pre>\$ make htmldocs 2&gt;&amp;1 &gt; /dev/null   grep i915 all clear :-)</pre>			
▼ F.I.CI.IGT	success	(See full logs)	Updated Jan. 12, 2022, 2:05 a.m.
▲ F.I.CI.SPARSE	success		Updated Jan. 11, 2022, 7:40 p.m.
<pre>\$ dim sparse --fast origin/drm-tip Sparse Version: v0.6.2 Fast mode used, each commit won't be checked separately. Okay!</pre>			

[patchwork patch tracking system](#) | [about patchwork](#)

# Static checks...



tree ▾ drm-tip ▾ CI\_DRM\_11079 shard-iclb2 igt@feature\_discovery@psr2

Hardware List

## Results for igt@feature\_discovery@psr2

Machine description: shard-iclb2

Result: Pass

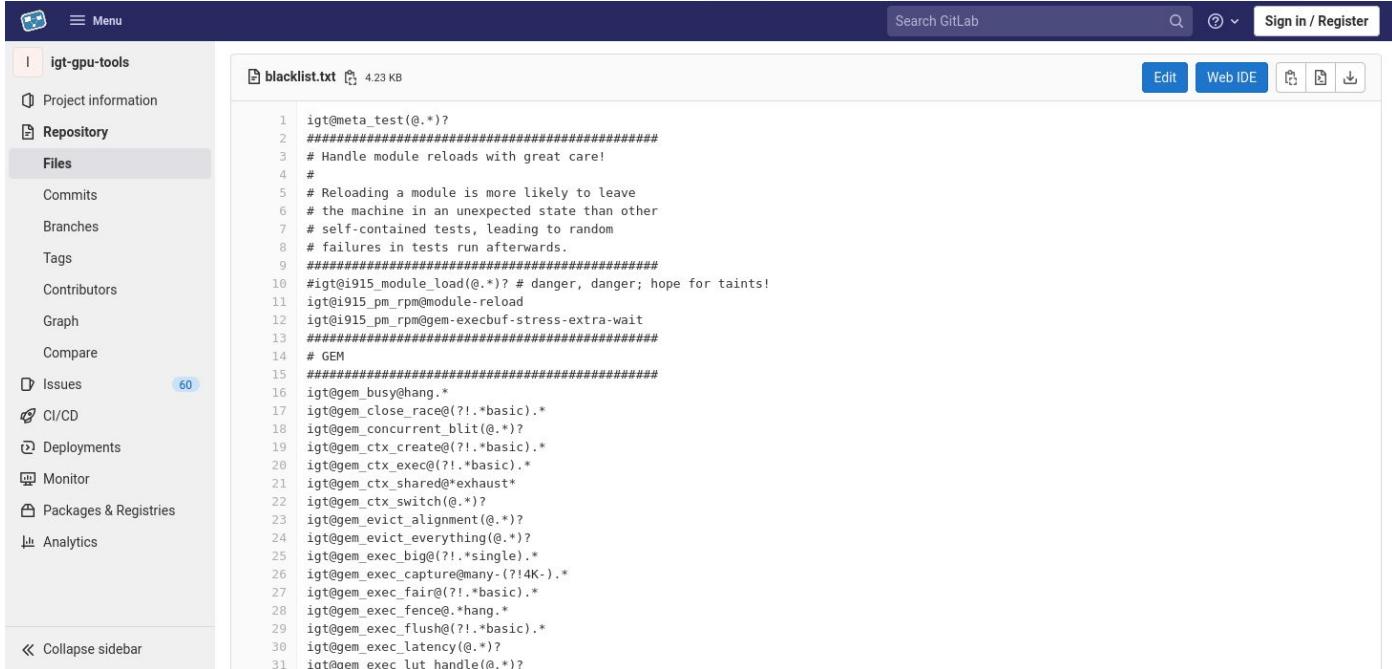
integration-manifest git-log-oneline i915\_display\_info12 igt\_runner12 run12 runtimes12 results12.json boot12 dmesg12

Detail	Value
Duration	0.00 seconds
Hostname	shard-iclb2
Igt-Version	IGT-Version: 1.26-gec75f64fc (x86_64) (Linux: 5.16.0-CI-CI_DRM_11079+ x86_64)
Out	IGT-Version: 1.26-gec75f64fc (x86_64) (Linux: 5.16.0-CI-CI_DRM_11079+ x86_64) Starting subtest: psr2 Subtest psr2: SUCCESS (0.000s)
Err	Starting subtest: psr2 Subtest psr2: SUCCESS (0.000s)
Dmesg	<6> [756.953177] Console: switching to colour dummy device 80x25 <6> [756.953495] [IGT] feature discovery: executing <7> [756.966541] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:248:DP-1] <7> [756.966566] i915 0000:00:02:0: [drm:intel_dp_detect [i915]] [CONNECTOR:248:DP-1] <7> [756.966744] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:248:DP-1] disconnected <7> [756.967126] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:259:HDMI-A-1] <7> [756.967139] i915 0000:00:02:0: [drm:intel_hdmi_detect [i915]] [CONNECTOR:259:HDMI-A-1] <7> [756.967368] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:259:HDMI-A-1] disconnected <7> [756.967639] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:265:HDMI-A-2] <7> [756.967650] i915 0000:00:02:0: [drm:intel_hdmi_detect [i915]] [CONNECTOR:265:HDMI-A-2] <7> [756.967870] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:265:HDMI-A-2] disconnected <7> [756.968275] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:269:DP-2] <7> [756.968288] i915 0000:00:02:0: [drm:intel_dp_detect [i915]] [CONNECTOR:269:DP-2] <7> [756.968566] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:269:DP-2] disconnected <7> [756.968835] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:277:DP-3] <7> [756.968847] i915 0000:00:02:0: [drm:intel_dp_detect [i915]] [CONNECTOR:277:DP-3] <7> [756.969138] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:277:DP-3] disconnected <7> [756.969456] [drm:drm_helper_probe_single_connector_modes] [drm_kms_helper] [CONNECTOR:285:DP-4] <7> [756.969468] i915 0000:00:02:0: [drm:intel_dp_detect [i915]] [CONNECTOR:285:DP-4]

...and graphics tests



# KernelCI Intel GFX CI (CI Bug Log)



The screenshot shows the KernelCI GitLab interface. On the left, a sidebar navigation includes 'igt-gpu-tools' (selected), 'Project information', 'Repository' (selected), 'Files' (selected), 'Commits', 'Branches', 'Tags', 'Contributors', 'Graph', 'Compare', 'Issues' (60), 'CI/CD', 'Deployments', 'Monitor', 'Packages & Registries', 'Analytics', and a 'Collapse sidebar' button. The main area displays a file named 'blacklist.txt' with a size of 4.23 KB. The file content is as follows:

```
1 igt@meta_test(@.*)?
2 #####
3 # Handle module reloads with great care!
4 #
5 # Reloading a module is more likely to leave
6 # the machine in an unexpected state than other
7 # self-contained tests, leading to random
8 # failures in tests run afterwards.
9 #####
10 #igt@i915_module_load(@.*?) # danger, danger; hope for taints!
11 igt@i915_pm_rpm@module-reload
12 igt@i915_pm_rpm@gem-execlbuf-stress-extra-wait
13 #####
14 # GEM
15 #####
16 igt@gem_busy@hang_.*
17 igt@gem_close_race@(?!.*basic).*
18 igt@gem_concurrent_blt(@.*)?
19 igt@gem_ctx_create@(?!.*basic).*
20 igt@gem_ctx_exec@(?!.*basic).*
21 igt@gem_ctx_shared@*exhaust*
22 igt@gem_ctx_switch(@.*)?
23 igt@gem_evict_alignment(@.*)?
24 igt@gem_evict_everything(@.*)?
25 igt@gem_exec_big@(?!.*single).*
26 igt@gem_exec_capture@many-(?!4K-).*
27 igt@gem_exec_fair@(?!.*basic).*
28 igt@gem_exec_fence@.*hang.?
29 igt@gem_exec_flush@(?!.*basic).*
30 igt@gem_exec_latency(@.*)?
31 igt@gem_exec_lut_handle(@.*)?
```

A test blacklist is maintained manually



▲ Fl.CI.IGT failure (See full logs)

Updated Jan. 13, 2022, 9:39 p.m.

## CI Bug Log - changes from CI\_DRM\_11079\_full -> Patchwork\_22000\_full

### Summary

#### FAILURE

Serious unknown changes coming with Patchwork\_22000\_full absolutely need to be verified manually.

If you think the reported changes have nothing to do with the changes introduced in Patchwork\_22000\_full, please notify your bug team to allow them to document this new failure mode, which will reduce false positives in CI.

### Participating hosts (10 -> 10)

No changes in participating hosts

### Possible new issues

Here are the unknown changes that may have been introduced in Patchwork\_22000\_full:

#### IGT changes

#### Possible regressions

- igt@gem\_workarounds@suspend-resume:
  - shard-skf: NOTRUN -> INCOMPLETE

### Known issues

Here are the changes found in Patchwork\_22000\_full that come from known issues:

**Only regressions are considered...**



## Known issues

Here are the changes found in Patchwork\_22000\_full that come from known issues:

### IGT changes

#### Issues hit

- igt@feature\_discovery@psr2:
  - shard-iclb: **PASS** -> **SKIP** ([i915#658])
- igt@gem\_exec\_balancer@parallel-bb-first:
  - shard-iclb: **PASS** -> **SKIP** ([i915#4525])
- igt@gem\_exec\_fair@basic-deadline:
  - shard-skl: NOTRUN -> **FAIL** ([i915#2846])
- igt@gem\_exec\_fair@basic-none-rrul@rcs0:
  - shard-iclb: NOTRUN -> **FAIL** ([i915#2852])
  - shard-glk: NOTRUN -> **FAIL** ([i915#2842])
- igt@gem\_exec\_fair@basic-none@vecs0:
  - shard-glk: **PASS** -> **FAIL** ([i915#2842])
- igt@gem\_lmem\_swapping@basic:
  - shard-skl: NOTRUN -> **SKIP** ([fd0#109271] / [i915#4613]) +2 similar issues
- igt@gem\_lmem\_swapping@random-engines:
  - shard-kbl: NOTRUN -> **SKIP** ([fd0#109271] / [i915#4613])
- igt@gem\_pxp@reject-modify-context-protection-off-3:
  - shard-tglb: NOTRUN -> **SKIP** ([i915#4270])
- igt@gem\_render\_copy@y-tiled-mc-ccs-to-vebox-y-tiled:
  - shard-iclb: NOTRUN -> **SKIP** ([i915#768])
- igt@gem\_userptr\_blits@dmabuf-sync:

and known issues are masked

# KernelCI Intel GFX CI (CI Bug Log)

Edit filter

Short description CFL: igt@kms\_flip@2x-flip-vs-expired-vblank\* - fail - Failed assertion: timercmp(&reply.ts, &o->flip\_state.last\_ts, ==), Last errno: 25

Select the tags		Select the machines		Select the tests		Select the statuses	
<b>Ignored</b> Empty list	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 186 Filter	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 2963 Filter	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 14 Filter	<b>Selected</b> Showing all 1 Filter
>> >	< <<	> >	< <<	>>	< <<	>>	< <<
DRM-TIP		Tag: APL	Tag: CFL	I GT: igt@kms_frontbuffer_tracking@fbc-2p-primscom-pri-indfb-draw	I GT: igt@kms_flip@2x-flip-vs-expired-vblank	I GT: pass	I GT: fail
Leave empty to select all tag		Tag: BDW		I GT: igt@kms_chameleon@hdmi-hpd		I GT: warn	
		Tag: BLB		I GT: igt@kms_flip@dpmis-off-confusion		I GT: dmesg-wa	
		Tag: BSW		I GT: igt@gem_persistent_relocs@forked-faulting-reloc		I GT: dmesg-fail	
		Tag: BWR		I GT: igt@kms_chv_cursor_fail@pipe-b-256x256-top-edge		I GT: incomplete	
		Tag: BXT		I GT: igt@kms_cursor_legacy@basic-flip-before-cursor-legacy		I GT: notrun	
		Tag: BYT		I GT: igt@kms_atomic_transition@5x-modeset-transitions-fencing		I GT: timeout	
		Tag: CHAMELI		I GT: igt@gem_persistent_relocs@forked-thrashing		Piglit: warn	
		Tag: CNL		I GT: igt@kms_draw_crc@draw-method-xrgb8888-render-xtiled		I GT: crash	
		Tag: CTG		I GT: igt@kms_pipe_crc_basic@hang-read-crc-pipe-b		Piglit: crash	
		Leave empty to select all machines		Leave empty to select all tests		Leave empty to select all statuses	

Stdout regex Regular expression that needs to be matched on the test's standard output. Leave empty to ignore.

Stderr regex Failed assertion: timercmp(&reply.ts, &o->flip\_state.last\_ts, ==).n."Last errno: 25, Inappropriate ioctl for device

Dmesg regex Regular expression that needs to be matched on the kernel logs. Leave empty to ignore.

Matches 0/564 unknown failures: 0 tag(s), 0 machine(s), 0 machine tag(s), 0 test(s), and 0 status(es) - [Apply filter](#)

Issues are maintained manually,...

# KernelCI Intel GFX CI (CI Bug Log)

Edit filter

Short description CFL: igt@kms\_flip@2x-flip-vs-expired-vblank\* - fail - Failed assertion: timercmp(&reply.ts, &o->flip\_state.last\_ts, ==), Last errno: 25

Select the tags		Select the machines		Select the tests		Select the statuses	
<b>Ignored</b> Empty list	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 186 Filter	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 2963 Filter	<b>Selected</b> Showing all 1 Filter	<b>Ignored</b> Showing all 14 Filter	<b>Selected</b> Showing all 1 Filter
>> > < << DRM-TIP	< << Tag: APL Tag: BDW Tag: BLB Tag: BSW Tag: BWR Tag: BXT Tag: BYT Tag: CHAMELI Tag: CNL Tag: CTG	> >> < << Tag: CFL	> >> Tag: igt@kms_frontbuffer_tracking@fb2-2p-primscom-pri-indfb-draw igt@kms_chameleon@hdmi-hpd igt@kms_flip@dpmss-off-confusion igt@gem_persistent_relocs@forked-faulting-reloc igt@kms_chv_cursor_fail@pipe-b-256x256-top-edge igt@kms_cursor_legacy@basic-flip-before-cursor-legacy igt@kms_atomic_transition@5x-modeset-transitions-fencing igt@gem_persistent_relocs@forked-thrashing igt@kms_draw_crc@draw-method-xrgb8888-render-xtiled igt@kms_pipe_crc_basic@hang-read-crc-pipe-b	< << igt@kms_flip@2x-flip-vs-expired-vblank	>> > < << IGT: pass IGT: warn IGT: dmesg-wa IGT: dmesg-fail IGT: incomplete IGT: notrun IGT: timeout Piglit: warn IGT: crash Piglit: crash	>> > < << IGT: fail	
Leave empty to select all tag							
Leave empty to select all machines							
Leave empty to select all tests							
Leave empty to select all statuses							
Stdout regex	Regular expression that needs to be matched on the test's standard output. Leave empty to ignore.						
Stderr regex	Failed assertion: timercmp(&reply.ts, &o->flip_state.last_ts, ==).n."Last errno: 25, Inappropriate ioctl for device						
Dmesg regex	Regular expression that needs to be matched on the kernel logs. Leave empty to ignore.						
<span>Matches 0/564 unknown failures: 0 tag(s), 0 machine(s), 0 machine tag(s), 0 test(s), and 0 status(es) - <a href="#">Apply filter</a></span>							

and link machines, tests, outcomes,...

# KernelCI Intel GFX CI (CI Bug Log)

Edit filter

Short description CFL: igt@kms\_flip@2x-flip-vs-expired-vblank\* - fail - Failed assertion: timercmp(&reply.ts, &o->flip\_state.last\_ts, ==), Last errno: 25

Select the tags

Ignored Selected

Empty list Showing all 1

Filter Filter

>> > < <<

DRM-TIP

Leave empty to select all tag

Select the machines

Ignored Selected

Showing all 186 Showing all 1

Filter Filter

>> > < <<

Tag: APL Tag: CFL

Leave empty to select all machines

Select the tests

Ignored Selected

Showing all 2963 Showing all 1

Filter Filter

>> > < <<

IGT: igt@kms\_frontbuffer\_tracking@fbc-2p-primscom-pri-indfb-draw  
IGT: igt@kms\_chameleon@hdmi-hpd  
IGT: igt@kms\_flip@dpmss-off-confusion  
IGT: igt@gem\_persistent\_relocs@forked-faulting-reloc  
IGT: igt@kms\_chv\_cursor\_fail@pipe-b-256x256-top-edge  
IGT: igt@kms\_cursor\_legacy@basic-flip-before-cursor-legacy  
IGT: igt@kms\_atomic\_transition@5x-modeset-transitions-fencing  
IGT: igt@gem\_persistent\_relocs@forked-thrashing  
IGT: igt@kms\_draw\_crc@draw-method-xrgb8888-render-xtiled  
IGT: igt@kms\_pipe\_crc\_basic@hang-read-crc-pipe-b

Leave empty to select all tests

Select the statuses

Ignored Selected

Showing all 14 Showing all 1

Filter Filter

>> > < <<

IGT: pass IGT: fail

IGT: warn IGT: crash

IGT: dmesg-wa IGT: Piglit: crash

IGT: dmesg-fail IGT: Piglit: warn

IGT: incomplete IGT: notrun

IGT: timeout IGT: Piglit: crash

Leave empty to select all statuses

Stdout regex Regular expression that needs to be matched on the test's standard output. Leave empty to ignore.

Stderr regex Failed assertion: timercmp(&reply.ts, &o->flip\_state.last\_ts, ==).n."Last errno: 25, Inappropriate ioctl for device

Dmesg regex Regular expression that needs to be matched on the kernel logs. Leave empty to ignore.

Matches 0/564 unknown failures: 0 tag(s), 0 machine(s), 0 machine tag(s), 0 test(s), and 0 status(es) - [Apply filter](#)

## stdout/stderr/dmesg regexes, and bugs



KernelCI Intel GFX CI (CI Bug Log)

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intel

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-22, Last errno: 11, Resource temporarily unavailable, error: 0 != -22

RPL\_S\_10991\_6305\_igt\_kms\_rotation\_crc\_bad-pixel-format\_-\_Details.html

```
Starting subtest: bad-pixel-format
(kms_rotation_crc:10337) CRITICAL: Test assertion failure function test_single_case, file .../tests/kms_rotation_crc
(kms_rotation_crc:10337) CRITICAL: Failed assertion: ret == -22
(kms_rotation_crc:10337) CRITICAL: Last errno: 11, Resource temporarily unavailable
(kms_rotation_crc:10337) CRITICAL: error: 0 != -22
Subtest bad-pixel-format failed.
```

To upload designs, you'll need to enable LFS and have an admin enable hashed storage. [More information](#)

Linked issues 0

0 0 Oldest first Show all activity

CI Bug Log @cibuglog · 2 weeks ago Reporter
The CI Bug Log issue associated to this bug has been updated by .

New filters associated

- RPL-S : igt@kms\_rotation\_crc@bad-pixel-format - fail - Failed assertion: ret == -22, Last errno: 11, Resource temporarily unavailable, error: 0 != -22

Assignee Tejas Upadhyay @tejaskux

Milestone None

Time tracking No estimate or time spent

Due date None

Labels feature: display/Other platform: RPL\_S

Confidentiality Not confidential

Lock issue Unlocked

3 participants

Reference: drm/intel#4906

Collapse sidebar

Bugs are updated automatically





[LKFT](#)

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linux-stable-rc-linux-4.4.y	56 hours ago	46302 passed	269 failed	9665 skipped	<a href="#">View Builds</a>	
linux-stable-rc-linux-4.9.y	56 hours ago	62817 passed	599 failed	13457 skipped	<a href="#">View Builds</a>	
linux-stable-rc-linux-4.14.y	56 hours ago	65888 passed	774 failed	12746 skipped	<a href="#">View Builds</a>	
linux-stable-rc-linux-4.19.y	50 hours ago	1644 passed	234 failed	673 skipped	<a href="#">View Builds</a>	
linux-stable-rc-linux-5.4.y	testing...	6 hours ago	2302 passed	234 failed	661 skipped	<a href="#">View Builds</a>
linux-stable-rc-linux-5.10.y	testing...	6 hours ago	3322 passed	312 failed	655 skipped	<a href="#">View Builds</a>
linux-stable-rc-linux-5.14.y		1323 hours ago	80775 passed	1080 failed	12788 skipped	<a href="#">View Builds</a>
linux-stable-linux-5.15.y	testing...	727 hours ago	61297 passed	788 failed	8000 skipped	<a href="#">View Builds</a>
linux-mainline-master		0 hours ago	48 passed	6 failed	0 skipped	<a href="#">View Builds</a>
linux-next-master	testing...	12 hours ago	77092 passed	1281 failed	11248 skipped	<a href="#">View Builds</a>

## Post-merge testing



# Linaro LKFT

June 3, 2021, 11:39 a.m.		
linux-stable-rc v4.14.235 on OE	<input checked="" type="checkbox"/> 65295 tests 52682 pass 10421 skip 2192 fail 11.328	⌚ 7 months, 1 week ago June 7, 2021, 11:23 a.m.
linux-stable-rc v4.4.271 on OE - sanity	<input checked="" type="checkbox"/> 923 tests 730 pass 193 fail	⌚ 7 months, 2 weeks ago June 3, 2021, 11:39 a.m.
linux-stable-rc v4.4.271 on OE	<input checked="" type="checkbox"/> 36662 tests 29764 pass 5901 skip 997 fail 9.383	⌚ 7 months, 1 week ago June 7, 2021, 9:50 a.m.
linux-stable-rc linux-5.16.y on OE - sanity	<input checked="" type="checkbox"/> 54 tests 54 pass	⌚ 7 hours ago Jan. 16, 2022, 10:19 a.m.
linux-stable-rc linux-5.16.y on OE	<input checked="" type="checkbox"/> 4783 tests 3503 pass 760 skip 520 fail 7.678	⌚ 2 hours ago Jan. 16, 2022, 3:04 p.m.
linux-stable-rc linux-5.15.y on OE - sanity	<input checked="" type="checkbox"/> 54 tests 54 pass	⌚ 5 hours ago Jan. 16, 2022, 12:06 p.m.
linux-stable-rc linux-5.15.y on OE	<input checked="" type="checkbox"/> 4083 tests 3063 pass 639 skip 302 fail 79 xfail 7.606	⌚ 2 hours ago Jan. 16, 2022, 3:10 p.m.
linux-stable-rc linux-5.14.y on OE - sanity	<input checked="" type="checkbox"/> 1234 tests 1224 pass 4 skip 6 fail 4.143	⌚ 1 month, 3 weeks ago Nov. 22, 2021, 3:53 p.m.
linux-stable-rc linux-5.14.y on OE	<input checked="" type="checkbox"/> 95494 tests 80775 pass 12788 skip 1080 fail 851 xfail 6.583	⌚ 6 days, 4 hours ago Jan. 10, 2022, 1:31 p.m.
linux-stable-rc linux-5.13.y on OE - sanity	<input checked="" type="checkbox"/> 1231 tests 1217 pass 14 fail	⌚ 3 months, 4 weeks ago Sept. 19, 2021, 10:21 p.m.
linux-stable-rc linux-5.14.y on OE		⌚ 3 months, 4 weeks ago

Runs lots of builds and tests on ARM hardware



# Linaro LKFT

master [test-definitions](#) / [automated](#) / [linux](#) / [ltp](#) / [skipfile-lkft.yaml](#) Go to file ...

**Naresh Kamboju** LTP: skipfile-lkft: Adding new device type dragonboard-845c ... Latest commit 5e809be 4 days ago [History](#)

2 contributors

374 lines (353 sloc) | 8.57 KB Raw Blame ⌚

```
1 # This skipfile is consumable using skipgen
2 # (https://github.com/Linaro/skipgen), included in this repo in
3 # /automated/bin/<arch>/skipgen.
4 #
5 # reason:
6 # Please provide a human readable explanation of the reason for the skip.
7 # url:
8 # A url referencing the issue. Often a link to the bug. Only one url may be
9 # specified.
10 # environments:
11 # Should be 'production', 'staging', or 'all' for both. Our
12 # staging environment contains a very minimal skiplist. Only tests which make
13 # testing unstable should include staging.
14 # boards:
15 # Should match a list of board names, or 'all' to include all boards.
16 # branches:
17 # Should match a list of branch names, or 'all' to include all branches.
18 # tests:
19 # List of tests to skip
20
```

**"Skipfiles" are manually maintained,...**



# Linaro LKFT

```
44
45 - reason: >
46   msgctl10/msgstress03 and msgctl11/msgstress04 tests overheats HiKey board
47   due to large number of fork() calls and message queues read/writes. [RPB]
48   LTP: msgctl10 fork failed
49   url: https://bugs.linaro.org/show_bug.cgi?id=2355
50 environments: all
51 boards:
52   - hi6220-hikey
53   - juno-r2
54   - x15
55   - dragonboard-410c
56   - rznid
57   - qemu_x86_64
58   - qemu_arm64
59   - qemu_arm
60   - qemu_i386
61   - i386
62   - nxp-ls2088
63   - fx700
64   - bcm2711-rpi-4-b
65   - dragonboard-845c
66 branches: all
67 tests:
68   - msgctl10
69   - msgctl11
70   - msgstress03
71   - msgstress04
72
73 - reason: >
74   fanotify07 was added to syscalls in 20170929 and fails approximately 50%
75   of the time. See
```

## and link kernel trees, tests, environments, and bugs



The screenshot shows a GitHub repository page. At the top, there's a search bar, navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore', and a user profile icon. Below the header, the repository name 'Linaro / qa-reports-known-issues' is shown, along with its status as 'Public'. To the right are buttons for 'Watch' (11), 'Fork' (5), and 'Star' (1). The main content area shows a list of files and their commit history. On the right side, there are sections for 'About', 'Readme', 'BSD-2-Clause License', '1 star', '11 watching', '5 forks', 'Releases' (with a note 'No releases published'), and 'Packages'.

Linaro / qa-reports-known-issues Public

Code Issues 2 Pull requests 1 Actions Projects Wiki Security Insights

master 4 branches 0 tags

Go to file Add file Code

**About**

No description, website, or topics provided.

Readme

BSD-2-Clause License

1 star

11 watching

5 forks

**Releases**

No releases published

**Packages**

File	Description	Last Commit
.github/workflows	actions: add pipeline to check yaml syntax	2 months ago
test_data	stable-rc-5.3: Adding 5.3 branch	2 years ago
unused	Move unused files to the side for now	3 years ago
.flake8	Add flake8 test and fixes	3 years ago
.gitignore	Remove errant pyc file	3 years ago
LICENSE	Add LICENSE file	3 years ago
Makefile	Fix pytest errors	17 months ago
README.md	CI: Convert known-issues to GitHub Actions	10 months ago
kselftests-production.yaml	Known-issues: Adding new device type dragonboard-845c	3 days ago

## Known issues are manually maintained,...



☰ README.md

## YAML file format

Main key in the YAML file is `projects`. Each file may contain a list of projects. Each project is identified by it's `name`. Project should also define:

- `projects` - list of `group/project` names from SQUAD instance
- `url` - location of the SQUAD instance
- `environments` - list of names and architectures from SQUAD. Since SQUAD doesn't currently support architectures, it's just a convenient way of defining groups of environments. Environment slugs should come from SQUAD instance
- `known_issues` - list of actual tests to highlight. Each known issue should contain the following fields:
  - `environments` - list of environments to apply known issue to
  - `projects` - list of projects to apply known issue to
  - `matrix_apply` - list of projects/environments to apply known issue to
  - `notes` - free form text
  - `url` - optional URL to be used in SQUAD UI
  - `test_name` - name of the test to highlight. It should include the suite name
  - `test_names` - list of test names. May be used instead of `test_name`.
  - `active` - boolean field which can disable the highlight in SQUAD UI
  - `intermittent` - boolean field which can signal the flaky test

# and link kernel trees, tests, environments, and bugs



# Linaro LKFT

```
7
8 projects:
9 - name: LKFT-ltp-staging
10  projects: &projects_all
11    - lkft/linux-mainline-oe
12    - lkft/linux-next-oe
13    - lkft/linux-stable-rc-4.17-oe
14  url: https://staging-qa-reports.linaro.org
15 environments: &environments_all
16  - hi6220-hikey
17  - juno-r2
18  - x86
19 known_issues:
20 - environments: *environments_all
21   notes: 'LKFT: LTP: fork13: runs long and hangs machine on branches'
22   projects: *projects_all
23   test_name: ltp-syscalls-tests/fork13
24   url: https://bugs.linaro.org/show_bug.cgi?id=3719
25   active: true
26   intermittent: false
27 - environments: *environments_arm64
28   notes: 'msgctl10/msgstress03 and msgctl11/msgstress04 tests overheats HiKey board
29     due to large number of fork() calls and message queues read/writes. [RPB] LTP:
30     msgctl10 for failed'
31   projects:
32   - lkft/linux-next-oe
33   test_name: ltp-syscalls-tests/msgctl10
34   url: https://bugs.linaro.org/show_bug.cgi?id=2355
35   active: true
36   intermittent: false
37
38 # Test multiple test_names
```

## and link kernel trees, tests, environments, and bugs



```
Results from Linaro's test farm.  
No regressions on arm64, arm, x86_64, and i386.  
  
Tested-by: Linux Kernel Functional Testing <lkft@xxxxxxxxxx>  
  
## Build  
* kernel: 5.10.88-rc1  
* git: https://gitlab.com/Linaro/lkft/mirrors/stable/linux-stable-rc  
* git branch: linux-5.10.y  
* git commit: 22ecdc9ddc3f790d7897c1c8bc1813fba064ec9c  
* git describe: v5.10.87-100-g22ecdc9ddc3f  
* test details:  
https://qa-reports.linaro.org/lkft/linux-stable-rc-linux-5.10.y/build/v5.10.87-100-g22ecdc9ddc3f  
  
## No Test Regressions (compared to v5.10.84-128-g24961377099e)  
  
## No Test Fixes (compared to v5.10.84-128-g24961377099e)  
  
## Test result summary  
total: 92504, pass: 79026, fail: 519, skip: 12006, xfail: 953  
  
## Build Summary  
* arc: 10 total, 10 passed, 0 failed  
* arm: 259 total, 255 passed, 4 failed  
* arm64: 37 total, 37 passed, 0 failed  
* dragonboard-410c: 1 total, 1 passed, 0 failed  
* hi6220-hickey: 1 total, 1 passed, 0 failed  
* i386: 36 total, 36 passed, 0 failed  
* juno-r2: 1 total, 1 passed, 0 failed  
* mips: 34 total, 30 passed, 4 failed  
* parisc: 12 total, 12 passed, 0 failed  
* powerpc: 52 total, 46 passed, 6 failed  
* riscv: 24 total, 19 passed, 8 failed  
* s390: 16 total, 18 passed, 0 failed  
* sh: 24 total, 24 passed, 0 failed  
* sparc: 12 total, 12 passed, 0 failed  
* x15: 1 total, 1 passed, 0 failed  
* x86: 1 total, 1 passed, 0 failed  
* x86_64: 37 total, 37 passed, 0 failed  
  
## Test suites summary  
~ .
```

## Only new failures/fixes are reported



# Linaro LKFT

```
Results from Linaro's test farm.  
No regressions on arm64, arm, x86_64, and i386.  
  
Tested-by: Linux Kernel Functional Testing <lkft@xxxxxxxxxx>  
  
## Build  
* kernel: 5.10.88-rc1  
* git: https://gitlab.com/Linaro/lkft/mirrors/stable/linux-stable-rc  
* git branch: linux-5.10.y  
* git commit: 22ecdc9ddc3f90d7897c1c8bc1813fba064ec9c  
* git describe: v5.10.87-100-g22ecdc9ddc3f  
* test details:  
https://qa-reports.linaro.org/lkft/linux-stable-rc-linux-5.10.y/build/v5.10.87-100-g22ecdc9ddc3f  
  
## No Test Regressions (compared to v5.10.84-128-g24961377099e)  
  
## No Test Fixes (compared to v5.10.84-128-g24961377099e)  
  
## Test result summary  
total: 92504, pass: 79026, fail: 519, skip: 12006, xfail: 953  
  
## Build Summary  
* arc: 10 total, 10 passed, 0 failed  
* arm: 259 total, 255 passed, 4 failed  
* arm64: 37 total, 37 passed, 0 failed  
* dragonboard-410c: 1 total, 1 passed, 0 failed  
* hi6220-hickey: 1 total, 1 passed, 0 failed  
* i386: 36 total, 36 passed, 0 failed  
* juno-r2: 1 total, 1 passed, 0 failed  
* mips: 34 total, 30 passed, 4 failed  
* parisc: 12 total, 12 passed, 0 failed  
* powerpc: 52 total, 46 passed, 6 failed  
* riscv: 24 total, 19 passed, 8 failed  
* s390: 16 total, 18 passed, 0 failed  
* sh: 24 total, 24 passed, 0 failed  
* sparc: 12 total, 12 passed, 0 failed  
* x15: 1 total, 1 passed, 0 failed  
* x86: 1 total, 1 passed, 0 failed  
* x86_64: 37 total, 37 passed, 0 failed  
  
## Test suites summary  
~ .
```

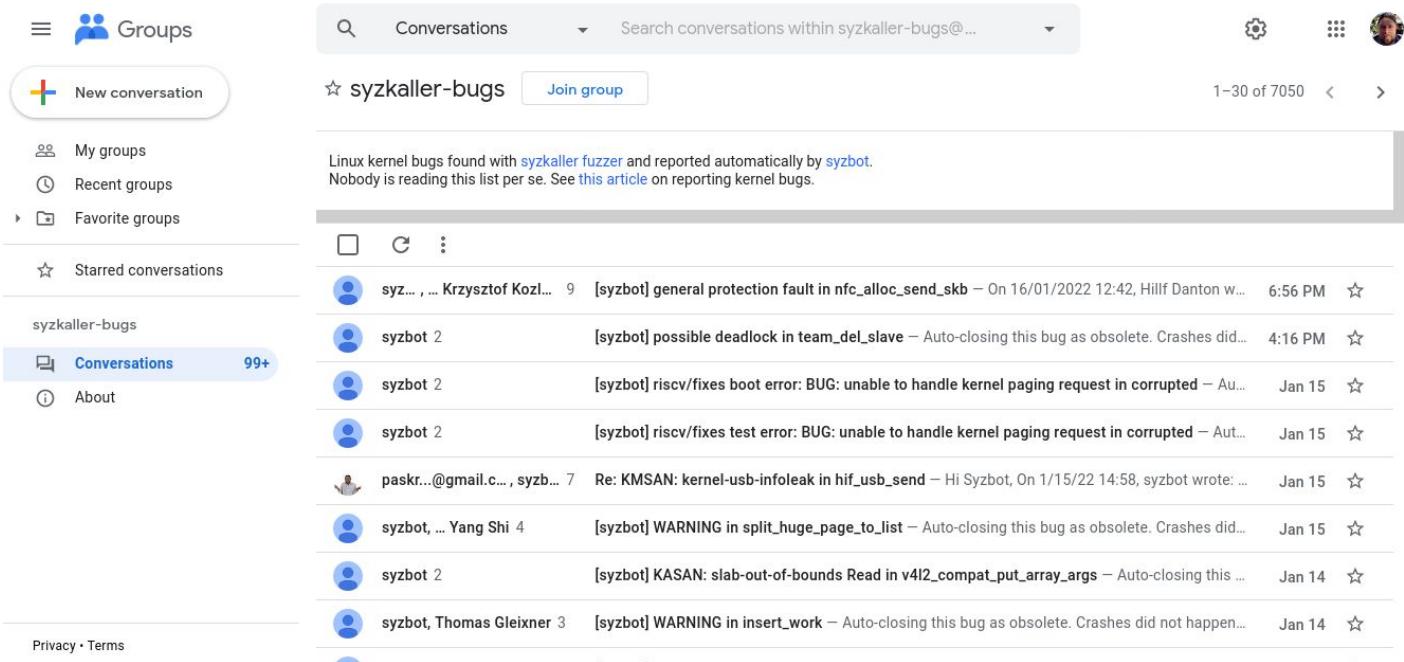
## But most reports are still manually curated



# Google syzbot



# KernelCI Google Syzbot (Syzkaller)



The screenshot shows the KernelCI Google Groups interface. On the left, there's a sidebar with navigation links: Groups, New conversation, My groups, Recent groups, Favorite groups, Starred conversations, syzkaller-bugs (selected), Conversations (99+), and About. The main area displays a search bar, a group name "syzkaller-bugs", a "Join group" button, and a message count "1-30 of 7050". A message summary states: "Linux kernel bugs found with [syzkaller](#) fuzzer and reported automatically by [syzbot](#). Nobody is reading this list per se. See [this article](#) on reporting kernel bugs." Below this, a list of messages from various users (syzbot, Krzysztof Kozlowski, Yang Shi) is shown, each detailing a kernel bug found by Syzbot.

User	Message	Date	Starred
syzbot, ... Krzysztof Kozlowski	[syzbot] general protection fault in nfc_alloc_send_skb	On 16/01/2022 12:42, Hillf Danton wrote:	6:56 PM
syzbot 2	[syzbot] possible deadlock in team_del_slave	Auto-closing this bug as obsolete. Crashes did...	4:16 PM
syzbot 2	[syzbot] riscv/fixes boot error: BUG: unable to handle kernel paging request in corrupted	Au...	Jan 15
syzbot 2	[syzbot] riscv/fixes test error: BUG: unable to handle kernel paging request in corrupted	Aut...	Jan 15
paskr...@gmail.c..., syzbot	Re: KMSAN: kernel-usb-infoleak in hif_usb_send	Hi Syzbot, On 1/15/22 14:58, syzbot wrote: ...	Jan 15
syzbot, ... Yang Shi	[syzbot] WARNING in split_huge_page_to_list	Auto-closing this bug as obsolete. Crashes did...	Jan 15
syzbot 2	[syzbot] KASAN: slab-out-of-bounds Read in v4l2_compat_put_array_args	Auto-closing this ...	Jan 14
syzbot, Thomas Gleixner	[syzbot] WARNING in insert_work	Auto-closing this bug as obsolete. Crashes did not happen...	Jan 14

## Post-merge testing



# KernelCI Google Syzbot (Syzkaller)

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**syzbot** [Linux](#) [Open \[1059\]](#) [Invalid \[7252\]](#)

	Active	Uptime	Corpus	Coverage ⓘ	Crashes	Execs	Kernel build			syzkaller build	
							Commit	Freshness	Status	Commit	Freshness
ci-qemu-upstream	now	10h30m	35599	<a href="#">618137</a>	100	3108881	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu-upstream	now	10h10m	36152	<a href="#">648915</a>	80	3189669	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu2-arm32	now	10h51m	101907	<a href="#">115806</a>	65	798690	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu2-arm64	now	10h37m	68895	<a href="#">79687</a>	2	460916	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu2-arm64	now	10h28m	68745	<a href="#">79007</a>		452647	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu2-arm64	now	10h23m	85575	<a href="#">98825</a>	8	636223	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-qemu2-riscv6	now	1d14h	15631	<a href="#">287447</a>	228	105003	<a href="#">64a19591a293</a>	80d	<span style="color:red">failing</span>	<a href="#">723cfaf0</a>	2d01h
ci-upstream-bpf	now	1d15h	15209	<a href="#">319632</a>	376	2557890	<a href="#">343e53754b21</a>	5d00h		<a href="#">723cfaf0</a>	2d01h
ci-upstream-bpf	now	1d01h	15673	<a href="#">317977</a>	257	5495994	<a href="#">e80f2a0d1946</a>	1d16h		<a href="#">723cfaf0</a>	2d01h
ci-upstream-gvisor	now	10h24m	35652	<a href="#">789013</a>	49	1283540	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kasan-gce	now	10h52m	38140	<a href="#">737813</a>	72	4364346	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kasan-gce-386	now	10h31m	34675	<a href="#">709398</a>	30	2809606	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kasan-gce-root	now	10h16m	44126	<a href="#">877674</a>	135	5100638	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kasan-gce-selinux-root	now	10h07m	43036	<a href="#">878681</a>	61	4049947	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kasan-gce-smack-root	now	10h40m	67969	<a href="#">727249</a>	92	5262128	<a href="#">d0a231f01e5b</a>	11h45m		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kmsan-gce	now	1d15h	57549	<a href="#">435310</a>	179	2798963	<a href="#">fa3879a274df</a>	5d07h		<a href="#">723cfaf0</a>	2d01h
ci-upstream-kmsan-gce-386	now	1d15h	61681	<a href="#">502368</a>	61	1517649	<a href="#">fa3879a274df</a>	5d07h		<a href="#">723cfaf0</a>	2d01h
ci-upstream-linux-next-kasan-gce-root	now	13h23m	47776	<a href="#">936945</a>	74	3470801	<a href="#">70e6f1b39929</a>	13h48m		<a href="#">723cfaf0</a>	2d01h

## Fuzzing syscalls in several (instrumented) OS'es



syzbot [Linux](#)

[Open \[1059\]](#) [Fixed \[3590\]](#) [Invalid \[7252\]](#)

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#### KMSAN: uninit-value in sctp\_inq\_pop (2)

Status: [upstream](#): reported C repro on 2022/01/08 08:00

Reported-by: syzbot+70a42f45e76bede082be@syzkaller.appspotmail.com

First crash: 58d, last: 1d21h

#### similar bugs (1):

Kernel	Title	Repro	Cause bisect	Fix bisect	Count	Last	Reported	Patched	Status
upstream	<a href="#">KMSAN: uninit-value in sctp_inq_pop</a>				3	204d	244d	0/22	<a href="#">auto-closed as invalid on 2021/10/</a>

#### Sample crash report:

```
sctp_side_effects net/sctp/sm sideeffect.c:1195 [inline]
sctp_do_sm+0x946f/0x9b50 net/sctp/sm sideeffect.c:1166
sctp_assoc_bh_rcv+0xa15/0xdd0 net/sctp/assocola.c:1054
sctp_inq_push+0x31c/0x440 net/sctp/inqueue.c:80
sctp_backlog_rcv+0x30f/0x1b00 net/sctp/input.c:344
sk_backlog_rcv include/net/sock.h:1030 [inline]
__release_sock+0x256/0x640 net/core/sock.c:2768
release_sock+0x98/0x2e0 net/core/sock.c:3300
sctp_wait_for_connect+0x52a/0x9e0 net/sctp/socket.c:9306
sctp_sendmsg_to_asoc+0x1c47/0x1f90 net/sctp/socket.c:1881
sctp_sendmsg+0x3eaa/0x5460 net/sctp/socket.c:2027
inet_sendmsg+0x15b/0x1d0 net/ipv4/af_inet.c:819
sock_sendmsg_nosec net/socket.c:704 [inline]
sock_sendmsg net/socket.c:724 [inline]
__sys_sendto+0x9ef/0xc70 net/socket.c:2036
__do_sys_sendto net/socket.c:2048 [inline]
__se_sys_sendto net/socket.c:2044 [inline]
__x64_sys_sendto+0x19c/0x210 net/socket.c:2044
do_syscall_x64 arch/x86/entry/common.c:51 [inline]
```

Captures crashes, extracts identifying patterns,...



# KernelCI Google Syzbot (Syzkaller)

```
sctp_sendmsg_to_asoc+0x1c47/0x1f90 net/sctp/socket.c:1881
sctp_sendmsg+0x3ea/0x5460 net/sctp/socket.c:2027
inet_sendmsg+0x15b/0xd0 net/ipv4/af_inet.c:819
sock_sendmsg_nosec_net/socket.c:704 [inline]
sock_sendmsg_net/socket.c:724 [inline]
__sys_sendto+0x9ef/0xc70 net/socket.c:2036
__do_sys_sendto_net/socket.c:2048 [inline]
__se_sys_sendto_net/socket.c:2044 [inline]
x64_sys_sendto+0x19c/0x210 net/socket.c:2044
do_syscall_x64 arch/x86/entry/common.c:51 [inline]
do_syscall_64+0x54/0xd0 arch/x86/entry/common.c:82
entry_SYSCALL_64_after_hwframe+0x44/0xae
```

CPU: 0 PID: 3479 Comm: syz-executor678 Not tainted 5.16.0-rc5-syzkaller #0  
Hardware name: Google Google Compute Engine/Google Compute Engine, BIOS Google 01/01/2011

Crashes (12):

<u>Manager</u>	<u>Time</u>	<u>Kernel</u>	<u>Commit</u>	<u>Syzkaller</u>	<u>Config</u>	<u>Log</u>	<u>Report</u>	<u>Syz repro</u>	<u>C repro</u>	<u>VM info</u>	
ci-upstream-kmsan-gce	2022/01/04 02:03	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">4a3f34f2</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>	<a href="#">syz</a>	<a href="#">C</a>	<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/09 14:48	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">2ca0d385</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/09 03:03	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">2ca0d385</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/08 23:49	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">2ca0d385</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/08 08:29	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">2ca0d385</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/07 15:49	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">2ca0d385</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/07 07:08	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">6acc789a</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce	2022/01/03 22:19	https://gith...	<a href="#">81c325bbf94e</a>	<a href="#">4a3f34f2</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce-386	2022/01/14 20:25	https://gith...	<a href="#">fa3879a274df</a>	<a href="#">53e00b45</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce-386	2021/12/03 12:30	https://gith...	<a href="#">093998eccaa3</a>	<a href="#">c7c20675</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce-386	2021/11/26 04:17	https://gith...	<a href="#">a535b0caaa2f</a>	<a href="#">63eeac02</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin
ci-upstream-kmsan-gce-386	2021/11/19 07:31	https://gith...	<a href="#">412af9cd936d</a>	<a href="#">31a30fc0</a>	<a href="#">.config</a>	<a href="#">log</a>	<a href="#">report</a>			<a href="#">info</a>	KMSAN: unin

and groups them into bugs automatically



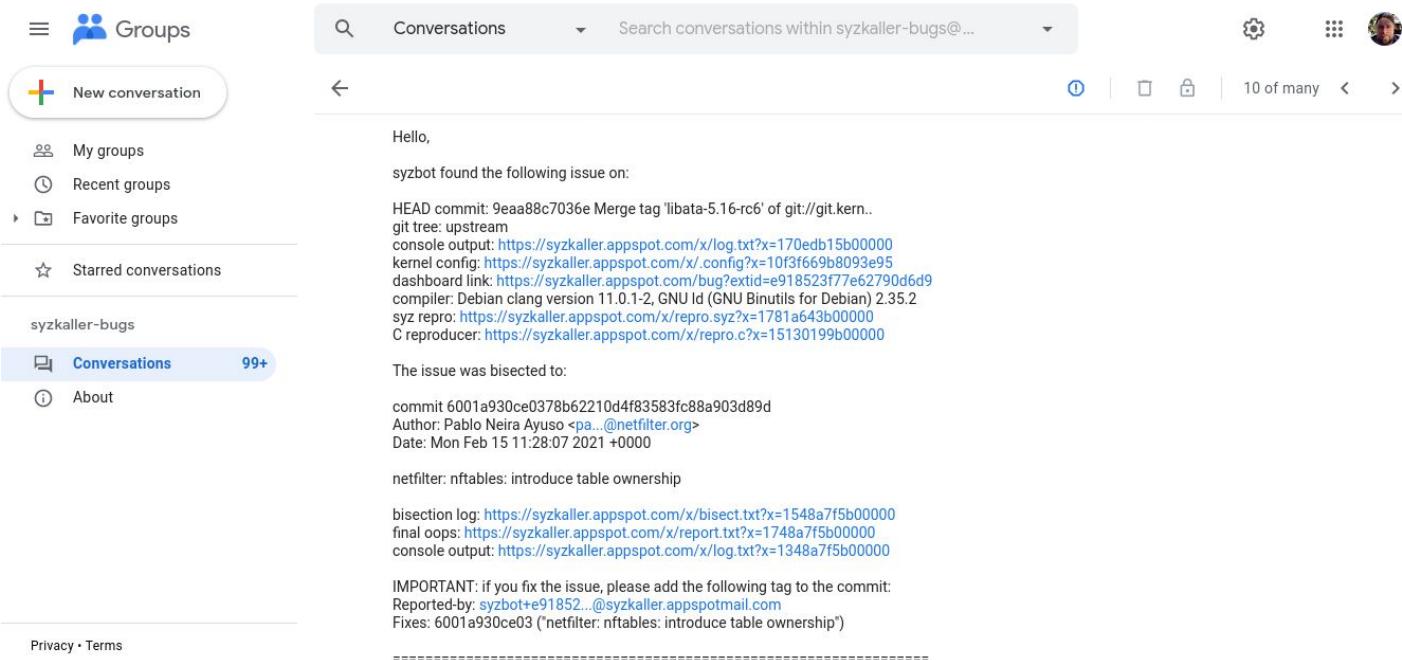
# KernelCI   Google Syzbot (Syzkaller)

```
/*NR_sendmsg = v,
syscall(__NR_sendmsg, r[0], 0x20000180ul, 0ul);
res = syscall(__NR_socket, 0xa0ul, 1ul, 0x84);
if (res != -1)
    r[3] = res;
*(uint32_t*)0x20000000 = 0;
*(uint16_t*)0x20000004 = 2;
*(uint16_t*)0x20000006 = htobe16(0);
*(uint32_t*)0x20000008 = htobe32(0);
*(uint32_t*)0x20000004 = 0;
*(uint16_t*)0x20000008 = 0;
*(uint32_t*)0x2000008a = 0x400;
*(uint32_t*)0x2000008e = 0;
*(uint32_t*)0x20000092 = 0x32;
*(uint32_t*)0x20000096 = 0;
*(uint8_t*)0x2000009a = 0;
syscall(__NR_setsockopt, r[3], 0x84, 9, 0x20000000ul, 0x9cul);
*(uint16_t*)0x204b8fe4 = 0xa;
*(uint16_t*)0x204b8fe6 = htobe16(0xae23);
*(uint32_t*)0x204b8fe8 = htobe32(0);
*(uint64_t*)0x204b8fec = htobe64(0);
*(uint64_t*)0x204b8ffd = htobe64(1);
*(uint32_t*)0x204b8ffc = 0;
syscall(__NR_bind, r[3], 0x204b8fe4ul, 0xicul);
memset(void*)0x20847fff, 88, 1;
*(uint16_t*)0x2005ffe4 = 0xa;
*(uint16_t*)0x2005ffe6 = htobe16(0xae23);
*(uint32_t*)0x2005ffe8 = htobe32(0);
*(uint64_t*)0x2005ffec = htobe64(0);
*(uint64_t*)0x2005ffff = htobe64(1);
*(uint32_t*)0x2005ffffc = 0;
syscall(__NR_sendto, r[3], 0x20847ffful, 0x34000ul, 0ul, 0x2005ffe4ul,
    0xicul);
}
int main(void)
{
    syscall(__NR_mmap, 0xfffff000ul, 0x1000ul, 0ul, 0x32ul, -1, 0ul);
    syscall(__NR_mmap, 0x200000000ul, 0x10000000ul, 7ul, 0x32ul, -1, 0ul);
    syscall(__NR_mmap, 0x210000000ul, 0x1000ul, 0ul, 0x32ul, -1, 0ul);
    loop();
    return 0;
}
```

**Generates reproducers automatically, if possible**



# KernelCI Google Syzbot (Syzkaller)



Hello,

syzbot found the following issue on:

HEAD commit: 9eaa88c7036e Merge tag 'libata-5.16-rc6' of git://git.kern..  
git tree: upstream  
console output: <https://syzkaller.appspot.com/x/log.txt?x=170edb15b00000>  
kernel config: <https://syzkaller.appspot.com/x/.config?x=10f3f669b8093e95>  
dashboard link: <https://syzkaller.appspot.com/bug?extid=e918523f77e62790d6d2>  
compiler: Debian clang version 11.0.1-2, GNU ld (GNU Binutils for Debian) 2.35.2  
syz repro: <https://syzkaller.appspot.com/x/repro.syz?x=1781a643b00000>  
C reproducer: <https://syzkaller.appspot.com/x/repro.c?x=15130199b00000>

The issue was bisected to:

commit 6001a930ce0378b62210d4f83583fc88a903d89d  
Author: Pablo Neira Ayuso <[pa...@netfilter.org](mailto:p...@netfilter.org)>  
Date: Mon Feb 15 11:28:07 2021 +0000

netfilter: nftables: introduce table ownership

bisection log: <https://syzkaller.appspot.com/x/bisect.txt?x=1548a7f5b00000>  
final oops: <https://syzkaller.appspot.com/x/report.txt?x=1748a7f5b00000>  
console output: <https://syzkaller.appspot.com/x/log.txt?x=1348a7f5b00000>

IMPORTANT: if you fix the issue, please add the following tag to the commit:  
Reported-by: [syzbot+e91852...@syzkaller.appspotmail.com](mailto:syzbot+e91852...@syzkaller.appspotmail.com)  
Fixes: 6001a930ce03 ("netfilter: nftables: introduce table ownership")

=====

## Bisects to breaking/fixing commits, if possible



The screenshot shows a Google Groups conversation page. The sidebar on the left includes links for "Groups", "New conversation", "My groups", "Recent groups", "Favorite groups", "Starred conversations", and the "syzkaller-bugs" group. The "Conversations" link is highlighted with a blue background and the number "99+" in red. Below the sidebar, the main content area shows a conversation titled "KMSAN: uninit-value in ext4\_inode\_journal\_mode". The first message is from "syzbot" on Feb 7, 2021, at 2:20:13 PM, reporting a bug found on HEAD commit 73d62e81. The second message is from "Dmitry Vyukov" on Feb 9, 2021, at 9:33:02 AM, responding to the bug report. The third message is from "syzbot" on Jun 11, 2021, at 2:10:23 AM, stating that the bug is auto-closed as obsolete because crashes did not happen for a while, no reproducer, and no activity. At the bottom of the conversation, there are buttons for "Reply all", "Reply to author", and "Forward".

Automatically closes bugs,...



syzbot [Linux](#)

[Open \[1059\]](#) [Fixed \[3590\]](#) [Invalid \[7252\]](#)

[sign-in](#) | [mailing list](#) | [source](#) | [docs](#)

#### KMSAN: uninit-value in sctp\_inq\_pop (2)

Status: [upstream](#): reported C repro on 2022/01/08 08:00

Reported-by: syzbot+70a42f45e76bede082be@syzkaller.appspotmail.com

First crash: 58d, last: 1d21h

#### similar bugs (1):

Kernel	Title	Repro	Cause bisect	Fix bisect	Count	Last	Reported	Patched	Status
upstream	<a href="#">KMSAN: uninit-value in sctp_inq_pop</a>				3	204d	244d	0/22	<a href="#">auto-closed as invalid on 2021/10/</a>

#### Sample crash report:

```
sctp_side_effects net/sctp/sm sideeffect.c:1195 [inline]
sctp_do_sm+0x946f/0x9b50 net/sctp/sm sideeffect.c:1166
sctp_assoc_bh_rcv+0xa15/0xdd0 net/sctp/assocola.c:1054
sctp_inq_push+0x31c/0x440 net/sctp/inqueue.c:80
sctp_backlog_rcv+0x30f/0x10b0 net/sctp/input.c:344
sk_backlog_rcv include/net/sock.h:1030 [inline]
__release_sock+0x256/0x640 net/core/sock.c:2768
release_sock+0x98/0x2e0 net/core/sock.c:3300
sctp_wait_for_connect+0x52a/0x9e0 net/sctp/socket.c:9306
sctp_sendmsg_to_asoc+0x1c47/0x1f90 net/sctp/socket.c:1881
sctp_sendmsg+0x3eaa/0x5460 net/sctp/socket.c:2027
inet_sendmsg+0x15b/0x1d0 net/ipv4/af_inet.c:819
sock_sendmsg_nosec net/socket.c:704 [inline]
sock_sendmsg net/socket.c:724 [inline]
__sys_sendto+0x9ef/0xc70 net/socket.c:2036
__do_sys_sendto net/socket.c:2048 [inline]
__se_sys_sendto net/socket.c:2044 [inline]
x64 sys_sendto+0x19c/0x210 net/socket.c:2044
do_syscall_x64 arch/x86/entry/common.c:51 [inline]
```

but creates new ones on regressions,...



432 lines (349 sloc) | 21.5 KB

Raw Blame

## Communication with syzbot

If you fix a bug reported by `syzbot`, please add the provided `Reported-by` tag to the commit. You can also communicate with `syzbot` by replying to its emails. The commands are:

- to attach a fixing commit to the bug (if you forgot to add `Reported-by` tag):

```
#syz fix: exact-commit-title
```

It's enough that the commit is merged into any tree or you are reasonably sure about its final title, in particular, you don't need to wait for the commit to be merged into upstream tree. `syzbot` only needs to know the title by which it will appear in tested trees. In case of an error or a title change, you can override the commit simply by sending another `#syz fix` command.

- to undo a previous fix command and remove any fixing commits:

```
#syz unfix
```

- to mark the bug as a duplicate of another `syzbot` bug:

```
#syz dup: exact-subject-of-another-report
```

- to undo a previous dup command and turn it into an independent bug again:

and also has email interface to manipulate them

# Summary



# KernelCI What is an issue?

- An issue is something that prevents a test from passing
- It could be identified using various means, widely or narrowly
- It could appear in one or more revisions
- It's augmented by a description and a bug
- It could be created manually, or automatically
- It could be used to waive a failure after running, or to avoid running a test altogether



# KernelCI It follows that...

- Only reporting new failures (regressions), is essentially creating an issue and applying it to waive failures in the next revision
- Skipfiles, disabled tests, etc. are essentially special issues used to avoid running tests



# KernelCI Avoiding running tests

	Linaro Tuxsuite	Gentoo GKernelCI	ARM Kernel CI	Red Hat CKI	Kernel CI Native	Intel 0-Day	Intel GFX CI	Linaro LKFT	Google Syzbot
<b>Creation</b>									
Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Identification</b>									
Test name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Test output									
<b>Augmentation</b>									
Description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bug link	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



# KernelCI Reporting regressions

	Linaro Tuxsuite	Gentoo GKernelCI	ARM Kernel CI	Red Hat CKI	Kernel CI Native	Intel 0-Day	Intel GFX CI	Linaro LKFT	Google Syzbot
<b>Creation</b>									
Manual									
Automatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Identification</b>									
Test name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Test output	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<b>Augmentation</b>									
Description									
Bug link									



# KernelCI Waiving failures

	Linaro Tuxsuite	Gentoo GKernelCI	ARM Kernel CI	Red Hat CKI	Kernel CI Native	Intel 0-Day	Intel GFX CI	Linaro LKFT	Google Syzbot
<b>Creation</b>									
Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Identification</b>									
Test name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Test output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Augmentation</b>									
Description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bug link	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



KernelCI

# All purposes

	Linaro Tuxsuite	Gentoo GKernelCI	ARM Kernel CI	Red Hat CKI	Kernel CI Native	Intel 0-Day	Intel GFX CI	Linaro LKFT	Google Syzbot
<b>Creation</b>									
Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Identification</b>									
Test name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Test output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Augmentation</b>									
Description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bug link	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

# Ideas for KCIDB

- **Produce useful reports**
- **Collect known issues in KCIDB**
- **Share with everyone**
- **Save time for everybody**



# KernelCI Define "issues"

- Accept automated and manual submissions of "known issues":
  - ID
  - **test name pattern**
  - **output name**
  - **output pattern**
  - **environment pattern (TBD)**
  - **bug URLs**
  - **human-readable comment**
- Aggregate using bug URLs



# KernelCI Define "incidents"

- Accept automated and manual submissions of "incidents", linking issues and test runs:
  - **test run ID**
  - **issue ID**



# KernelCI Triaging on KCIDB side

- When new test results arrive
  - Search for issues in them
- When new issues arrive
  - Search for them in test results
- Submit results as "incidents"



# KernelCI Triaging on KCIDB side

- We won't be able to look for all issues in all test results
- How to define applicability and optimize?
  - Define likelihood of issue appearing
  - Prioritize triage of most likely issues
  - Define triage cut-off point before reporting
  - Allow manual override



# KernelCI Challenges

- Test results come in any order
  - We gotta know commit connectivity
    - Does this commit have parents with this issue?
    - Which commits introduce/fix this issue?
    - Which issues parent commits have?
  - Graph database, perhaps?
  - Scan repos on KCIDB side?
  - Accept submissions of connectivity data?



# KernelCI Challenges

- How do we deal with different test versions?
  - Across CI systems?
  - Over time?



- **Build issues?**
- **Static analyzer issues?**



# Thank you



# Join Us!



# KernelCI

# Main repos on GitHub

**KernelCI**  
Upstream Linux Kernel Validation Project  
<https://kernelci.org> [kernelci@groups.io](mailto:kernelci@groups.io)

Repositories 41 Packages 22 People 22 Teams 2 Projects 1

Type: All Language: All [New](#)

3 results for repositories matching **kcidb** [Clear filter](#)

**kcidb**  
kernelci.org common database tools  
Python 38 GPL-2.0 7 5 38 1 Updated 6 days ago

**kcidb-io**  
kernelci.org common reporting - I/O data library  
Python 2 1 7 2 Updated 8 days ago

**kcidb-grafana**  
KCIDB Grafana docs and files  
1 2 5 0 Updated on Jan 13

Top languages

- Python
- Shell
- HTML
- Makefile
- SaltStack

People [22 >](#)





# KernelCI A bunch of "good first issues"

is:issue is:open label:"good first issu" ↗

Pull requests Issues Marketplace Explore

4 + ⚙️

Repositories	2
Code	0
Commits	0
Issues	8
Discussions <small>(Beta)</small>	0
Packages	107K
Marketplace	0
Topics	815K
Wikis	0
Users	0

**8 issues** or view [all results on GitHub](#)

kernelci/kcidb #157 [bigquery: Add and use a single function for queries](#)  
To reduce code duplication implement a single querying function to be called by dump()/query()/oo\_query()/etc. in the BigQuery database code. Add DEBUG-level logging of queries and their parameters.  
[good first issue](#)  
spbnick

kernelci/kcidb-io #9 [Mark all symbols not supposed to be exposed as private](#)  
Figure out the correct way for, and mark all symbols not explicitly supposed to be exposed as private to avoid unintended use and unnecessary coupling.  
[good first issue](#)  
spbnick

kernelci/kcidb #111 [Upgrade google-cloud-secret-manager dependency](#)  
The latest release of the google-cloud-secret-manager package breaks the existing KCIDB code, and was pinned to versions <2.0.0dev. Fix the incompatibilities and unpin the package. Or perhaps re-pin ...  
[good first issue](#)  
spbnick

kernelci/kcidb #110 [Upgrade google-cloud-pubsub dependency](#)  
The latest release of the google-cloud-pubsub package breaks the existing KCIDB code, and was pinned to versions <2.0.0dev. Fix the incompatibilities and unpin the package. Or perhaps re-pin to <3.0.0dev. ...  
[good first issue](#)

[Advanced search](#) [Cheat sheet](#)

# KernelCI Maillist

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**KernelCI** [kernelci@groups.io](mailto:kernelci@groups.io)

Discussion mailing list for the KernelCI project and [kernelci.org](http://kernelci.org)

See also the [wiki on GitHub](#)

**Group Information**

<https://kernelci.org>  
75 Members  
331 Topics, Last Post: Feb 9  
Started on 17.03.2018  
[Feed](#)

**Group Email Addresses**

Post: [kernelci@groups.io](mailto:kernelci@groups.io)  
Subscribe: [kernelci+subscribe@groups.io](mailto:kernelci+subscribe@groups.io)  
Unsubscribe: [kernelci+unsubscribe@groups.io](mailto:kernelci+unsubscribe@groups.io)  
Group Owner: [kernelci-owner@groups.io](mailto:kernelci-owner@groups.io)  
Help: [kernelci+help@groups.io](mailto:kernelci+help@groups.io)

**Top Hashtags [See All]**

#minutes kernelci.org team meeting minutes 61  
#KCIDB 3

**Group Settings**

- >All members can post to the group.
- Posts to this group do not require approval from the moderators.
- Posts from new users require approval from the moderators.
- Messages are set to reply to group and sender.
- Subscriptions to this group do not require approval from the moderators.
- Archive is visible to anyone.
- Wiki is visible to members only.
- Members cannot edit their messages.
- Members can set their subscriptions to no email.

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Unsubscribe: [kernelci+unsubscribe@groups.io](mailto:kernelci+unsubscribe@groups.io)

Group Owner: [kernelci-owner@groups.io](mailto:kernelci-owner@groups.io)  
Help: [kernelci-help@groups.io](mailto:kernelci-help@groups.io)

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Subscribe: [kernelci+subscribe@groups.io](mailto:kernelci+subscribe@groups.io)

Unsubscribe: [kernelci+unsubscribe@groups.io](mailto:kernelci+unsubscribe@groups.io)

Post: [kernelci@groups.io](mailto:kernelci@groups.io)  
Subscribe: [kernelci+subscribe@groups.io](mailto:kernelci+subscribe@groups.io)  
Unsubscribe: [kernelci+unsubscribe@groups.io](mailto:kernelci+unsubscribe@groups.io)  
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ⓘ Members cannot edit their messages.  
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#minutes kernelci.org team meeting minutes 61  
#KCIDS 3



# IRC channel

## #kernelci at freenode.net

#kernelci The upstream kernel validation project: <http://kernelci.org> | Mailing list: <https://lists.linaro.org/mailman...> 71 🔍

Tuesday, February 16th, 2021 ⏱ about 21 hours ago

A alicef none  
spbnick: sending it 21:31  
FFYOO nipped out 22:41

Wednesday, February 17th, 2021

→ sestebanz and kverz\_broke joined ← alexandra, shuah and kveremitz quit → selvak1631189 popped in → csd nipped out 01:10

S spbnick Nikolai Kondrashov  
alicef: Yep, I see it now, awesome :D 10:52  
mwasilew joined ← veremitz quit → selvak1631189, gaulishcoin9 and gaulishcoin3 popped in • kverz\_broke → kveremitz 10:57

S spbnick Nikolai Kondrashov  
Everyone who's around, say hi for a channel screenshot for my talk on Friday 🙌! 12:19

G gtucker Guillaume Tucker  
o/ KernelCI rules :) 12:33  
vkabatova joined (~vkabatova@176-74-128-122.netdatacomm.cz) 12:40

M montjoie  
hello 12:49  
monstr joined 15:50

S spbnick| 18:26