ABUSING GITLAB CI TO TEST KERNEL PATCHES

FOSDEM 2020
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Sr. Software Engineer @ Red Hat  
Electronics/embedded enthusiast  
DIGImend maintainer  
@spbnick

MICHAEL HOFMANN  
Sr. Software Engineer @ Red Hat  
Debugging all the things
A team from Red Hat's Base Operating Systems and Global QE

China
Czechia
Finland
Norway
USA
WHY KERNEL CI?
# Red Hat Enterprise Linux 7

<table>
<thead>
<tr>
<th>Release</th>
<th>General Availability Date</th>
<th>redhat-release Errata Date*</th>
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Codename: Maipo (based on a mix of Fedora 19, Fedora 20, and several modifications)
# Red Hat Enterprise Linux 6

<table>
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Codename: Santiago (based on a mix of Fedora 12, Fedora 13, and several modifications)
# Red Hat Enterprise Linux 5

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Codename: Tikanga (based on Fedora Core 6)
# Red Hat Enterprise Linux 4

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Codename: Nahant (based on Fedora Core 3)
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Codename: Taroon (based on Red Hat Linux 9)
## Red Hat Enterprise Linux 2.1

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Codename: Pensacola (AS) / Panama (ES) (based on Red Hat Linux 7.2)
It starts with Red Hat Enterprise Linux

Every technology within your IT stack needs to work well together. Because those connections rely on the OS, it has to be consistent, reliable, and flexible. Red Hat Enterprise Linux is all of these and more—the common link connecting modern IT.

See what’s possible
It starts with Red Hat Enterprise Linux

Every technology within your IT stack needs to work well together. Because those connections rely on the OS, it has to be consistent, reliable, and flexible. Red Hat Enterprise Linux is all of these and more—the common link connecting modern IT.

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It starts with Red Hat Enterprise Linux

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See what's possible
WHAT'S SO HARD?
Date Sat, 01 Feb 2020 17:24:25 +0800
From Chengguang Xu <>
Subject Re: [PATCH 4.19 062/114] f2fs: choose hardlimit is larger than hardlimit in f2fs_statfs_project

On Sat, Jan 04, 2020 at 09:50:43AM +0800, Chengguang Xu wrote:

> ---- 在 星期六, 2020-01-04 19:53:08 Greg Kroah-Hartman <gregkh@linuxfoundation.org>
> > On Sat, Jan 04, 2020 at 09:50:43AM +0800, Chengguang Xu wrote:
> > > ---- 在 星期六, 2020-01-04 01:12:13 Pavel Machek <pavel@denx.de> 撰写
> > > > Hi!
> > > > From: Chengguang Xu <cgxu519@mykernel.net>
> > > >
> > > > [ Upstream commit 909110c060f22e65756659ec6fa957ae75777e00 ]
> > > >
> > > > Setting softlimit larger than hardlimit seems meaningless
> > > > for disk quota but currently it is allowed. In this case,
> > > > there may be a bit of confusion for users when they run
> > > > df command to directory which has project quota.
> > > >
From: Chengguang Xu <cgxu519@mykernel.net>

Setting softlimit larger than hardlimit seems meaningless for disk quota but currently it is allowed. In this case, there may be a bit of confusion for users when they run df command to directory which has project quota.

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> > > > Setting softlimit larger than hardlimit seems meaningless for disk quota but currently it is allowed. In this case, there may be a bit of confusion for users when they run df command to directory which has project quota.
Reflections on kernel development process, quality and testing

Dmitry Vyukov, dvyukov@
Linux Kernel Summit, Sep 9, 2019
<table>
<thead>
<tr>
<th>Date</th>
<th>Subject</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>2020-01-24</td>
<td>[PATCH v3 2/2] usb: dwc2: add support for STM32MP15_S USB DWM2</td>
<td>Amelie Delaunay</td>
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<tr>
<td>2020-01-24</td>
<td>[PATCH v3 0/2] USB DWC2 support for STM32MP15 SoCs USA</td>
<td>Greg KH</td>
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<td>2020-01-24</td>
<td>[PATCH v4 1/2] usb: phy: show USB charger type for us</td>
<td>Greg Kroah-Ha</td>
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<td>2020-01-24</td>
<td>[PATCH] usb: cdns3: fix spelling mistake and rework g</td>
<td>Marek Szyprow</td>
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<td>2020-01-24</td>
<td>[RFC][PATCH 1/2] usb: dwc2: gadget: Check for IOC/LST</td>
<td>Yoshihiro Shi</td>
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<tr>
<td>2020-01-24</td>
<td>Re: [PATCH v3 2/2] Embedded USB Debugger (EUD) driver</td>
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<td>2020-01-24</td>
<td>[PATCH v3] usb: host: ehci-platform: add a quirk to a</td>
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<td>[PATCH v2] usb: host: ehci-platform: add a quirk to a</td>
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<td>[PATCH AUTOSEL 4.4] usb-storage: Disable UAS on JMicro</td>
<td>Sasha Levin</td>
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<td>[PATCH AUTOSEL 4.9 2/2] usb-storage: Disable UAS on JMicro</td>
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<td>[PATCH AUTOSEL 5.4 25/33] usb-storage: Disable UAS on JMicro</td>
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<td>2020-01-23</td>
<td>[PATCH v3 2/2] Embedded USB Debugger (EUD) driver</td>
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<td>2020-01-23</td>
<td>[RFC][PATCH 0/2] Avoiding DWC3 transfer stalls/hangs</td>
<td>John Stultz</td>
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<td>2020-01-23</td>
<td>[PATCH 1/2] usb: typec: ucsi: register DP only for NV</td>
<td>Ajay Gupta</td>
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<td>2020-01-23</td>
<td>[PATCH v2] usb: uas: fix a plug &amp; unplug racing</td>
<td>Greg KH</td>
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<td>2020-01-23</td>
<td>[RFC][PATCH 2/2] usb: dwc3: gadget: Correct the logic</td>
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<td>2020-01-23</td>
<td>[REGRESSION][BISECTED] 5.5-rc suspend/resume failure</td>
<td>Alan Stern</td>
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<td>Re: WARNING in uvc_scan_chain_forward</td>
<td>Andrey Konova</td>
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<td>2020-01-23</td>
<td>Re: KASAN: slab-out-of-bounds Read in build_audio</td>
<td>Andrey Konova</td>
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<td>2020-01-23</td>
<td>BUG: corrupted list in em28xx_init_extension</td>
<td>syzbot</td>
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<td>2020-01-23</td>
<td>[PATCH 0/2] usb: use-after-free Read in v4l2_release</td>
<td>Laurent Pinch</td>
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<td>2020-01-23</td>
<td>[PATCH 0/2] usb: generic-ehci: add a quirk to</td>
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<tr>
<td>2020-01-23</td>
<td>[PATCH 2/2] usb: host: ehci-platform: add a quirk to</td>
<td>Yoshihiro Shi</td>
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</table>
Add the specific compatible string for the DWC2 IP found in the STM32MP15 SoCs.
STM32MP15 SoCs uses sensing comparators to detect Vbus valid levels and ID pin state. usb33d-supply described the regulator supplying Vbus and ID sensing comparators.

Signed-off-by: Amelie Delaunay <amelie.delaunay@st.com>
Patchwork is a web-based patch tracking system designed to facilitate the contribution and management of contributions to an open-source project.

Patches that have been sent to a mailing list are 'caught' by the system, and appear on a web page. Any comments posted that reference the patch are appended to the patch page too.

The project's maintainer can then scan through the list of patches, marking each with a certain state, such as Accepted, Rejected or Under Review. Old patches can be sent to the archive or deleted.
ALSA development
View patches

ath10k
View patches
http://lists.infradead.org/mailman/listinfo/ath10k

ath11k
View patches
http://lists.infradead.org/mailman/listinfo/ath11k

Linux Backports
View patches

CEPH development
View patches

CIFS (Samba) Client
View patches

CIP Project Development
View patches
https://www.cip-project.org/
https://git.kernel.org/pub/scm/linux/kernel/git/cip/linux-clip.git

DASH shell
View patches
http://vger.kernel.org/vger-lists.html#dash

Device Mapper Development
View patches
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<tr>
<td>Linux Samsung SOC mailing list</td>
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<td>[v3,2/2] usbc: dwc2: add support for STM32MP15 SoCs USB OTG HS and FS</td>
<td>USB DWC2 support for STM32MP15 SoCs USB OTG</td>
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<td>[v3] usbc: host: ehci-platform: add a quirk to avoid stuck</td>
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<td>usbc: misc: usb3503: Use gpio descriptor interface</td>
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<td>[v2,2/2] usbc: ccg: disable runtime pm during fw flashing</td>
<td>[v2,1/2] usbc: type: ucsi: register DP only for NVIDIA DP VDO</td>
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<tr>
<td>[v2,1/2] usbc: type: ucsi: register DP only for NVIDIA DP VDO</td>
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<tr>
<td>usbc: cdns3: fix spelling mistake and rework grammar in text</td>
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<tr>
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<td>[v3,19/19] arm64: dts: qcom: qcs404-evb: Enable primary USB controller</td>
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[v3,1/2] dt-bindings: usb: dwc2: add support for STM32MP15 SoCs USB OTG HS and FS

Message ID 20200124084313.23749-2-amelie.deilaunay@st.com
State New
Headers show
Series USB DWC2 support for STM32MP15 SoCs USB OTG
Related show

Commit Message

Amelie Delaunay
Jan. 24, 2020, 8:41 a.m. UTC

Add the specific compatible string for the DWC2 IP found in the STM32MP15 SoCs.
STM32MP15 SoCs uses sensing comparators to detect Vbus valid levels and
ID pin state. usb33d-supply described the regulator supplying Vbus and ID
sensing comparators.

Signed-off-by: Amelie Delaunay <amelie.deilaunay@st.com>

---
Documentation/devicetree/bindings/usb/dwc2.yaml | 6 ++++++
1 file changed, 6 insertions(+)

Patch

diff --git a/Documentation/devicetree/bindings/usb/dwc2.yaml b/Documentation/devicetree/bindings/usb/dwc2.yaml
index 71c7fba32237..e95ba9373923 100644
--- a/Documentation/devicetree/bindings/usb/dwc2.yaml
+++ b/Documentation/devicetree/bindings/usb/dwc2.yaml
@@ -58,6 +58,8 @@ properties:
   - const: st,stm32f4x9-fsotg
   - const: st,stm32f4x9-hsotg
   - const: st,stm32f7-hsotg
+  - const: st,stm32mp15-fsotg
+  - const: st,stm32mp15-hsotg
Patch Detail

Show a patch.

GET /api/1.1/patches/11349845/

HTTP 200 OK
Allow: GET, PUT, PATCH, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
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    "web_url": "https://patchwork.kernel.org/patch/11349845/",
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        "id": 363,
        "url": "https://patchwork.kernel.org/api/1.1/projects/363/",
        "name": "Linux USB",
        "link_name": "linux-usb",
        "list_id": "linux-usb.vger.kernel.org",
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        "web_url": "",
        "scm_url": "",
        "webscm_url": ""
    },
    "msgid": "<20200124084131.23749-2-amelie.delaunay@st.com>",
    "date": "2020-01-24T08:41:30",
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    "submitter": {"..."}
Welcome to Koji Web

Recent Builds

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<td>2020-01-31 14:06:34</td>
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Welcome to Koji Web

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**Information for package kernel**

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<td>kernel-5.4.11-102.fc30</td>
<td>jcline</td>
<td>2020-03-14 03:57:28</td>
<td>✔️</td>
</tr>
<tr>
<td>kernel-5.4.11-202.fc31</td>
<td>jforbes</td>
<td>2020-03-14 02:49:37</td>
<td>✔️</td>
</tr>
<tr>
<td>kernel-5.5.0-rc6.git0.1.fc32</td>
<td>jforbes</td>
<td>2020-03-13 23:12:03</td>
<td>✔️</td>
</tr>
<tr>
<td>kernel-5.4.10-102.fc30</td>
<td>jcline</td>
<td>2020-03-12 22:17:20</td>
<td>✔️</td>
</tr>
</tbody>
</table>
### Information for package `kernel`

<table>
<thead>
<tr>
<th>NVR</th>
<th>Built by</th>
<th>Finished</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>kernel-5.4.16-100.fc30</td>
<td>jcline</td>
<td>2020-01-30 14:17:38</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.16-200.fc31</td>
<td>jcline</td>
<td>2020-01-30 13:26:48</td>
<td>✔</td>
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<tr>
<td>kernel-5.6.0-0.rc0.git1.1.fc32</td>
<td>jcline</td>
<td>2020-01-30 10:51:35</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.15-200.fc31</td>
<td>pbrobinson</td>
<td>2020-01-28 11:40:35</td>
<td>✔</td>
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<tr>
<td>kernel-5.5.0-1.fc32</td>
<td>jforbes</td>
<td>2020-01-27 23:55:45</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.15-100.fc30</td>
<td>jcline</td>
<td>2020-01-27 12:35:47</td>
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</tr>
<tr>
<td>kernel-5.5.0-0.rc7.git2.1.fc32</td>
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<td>2020-01-25 03:23:19</td>
<td>✔</td>
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<tr>
<td>kernel-5.5.0-0.rc7.git1.1.fc32</td>
<td>jforbes</td>
<td>2020-01-23 20:54:17</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.14-100.fc30</td>
<td>jcline</td>
<td>2020-01-23 15:58:20</td>
<td>✔</td>
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<td>2020-01-23 15:15:43</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.13-100.fc30</td>
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<td>2020-01-21 22:12:40</td>
<td>✔</td>
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<tr>
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<td>jcline</td>
<td>2020-01-21 19:50:17</td>
<td>✔</td>
</tr>
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<td>kernel-5.5.0-0.rc7.git0.1.fc32</td>
<td>jforbes</td>
<td>2020-01-21 16:03:10</td>
<td>✔</td>
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<td>jcline</td>
<td>2020-01-20 18:28:00</td>
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<tr>
<td>kernel-5.5.0-0.rc6.git3.1.fc32</td>
<td>jforbes</td>
<td>2020-01-17 20:59:29</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.5.0-0.rc6.git2.1.fc32</td>
<td>jforbes</td>
<td>2020-01-15 22:42:53</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.4.12-100.fc30</td>
<td>jcline</td>
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<td>✔</td>
</tr>
<tr>
<td>kernel-5.5.0-0.rc6.git1.1.fc32</td>
<td>jforbes</td>
<td>2020-01-15 01:49:48</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.4.12-200.fc31</td>
<td>jcline</td>
<td>2020-01-14 22:17:09</td>
<td>✔</td>
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<tr>
<td>kernel-5.4.11-102.fc30</td>
<td>jcline</td>
<td>2020-01-14 03:57:28</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.4.11-202.fc31</td>
<td>jforbes</td>
<td>2020-01-14 02:49:37</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.5.0-0.rc6.git0.1.fc32</td>
<td>jforbes</td>
<td>2020-01-13 23:12:03</td>
<td>✔</td>
</tr>
<tr>
<td>kernel-5.4.10-102.fc30</td>
<td>jcline</td>
<td>2020-01-12 22:17:20</td>
<td>✔</td>
</tr>
</tbody>
</table>
Information for build **kernel-5.4.16-100.fc30**

- **ID**: 1449084
- **Package Name**: kernel
- **Version**: 5.4.16
- **Release**: 100.fc30
- **Source**: git+https://src.fedoraproject.org/rpms/kernel.git#773bf624f647b9c6d4530fd2c1501150eab81ec6
- **Summary**: The Linux kernel
- **Description**: The kernel meta package
- **Built by**: jcline
- **State**: complete
- **Volume**: DEFAULT
- **Started**: Thu, 30 Jan 2020 10:55:23 UTC
- **Completed**: Thu, 30 Jan 2020 14:17:38 UTC
- **Task**: build (f30-candidate, /rpms/kernel.git#773bf624f647b9c6d4530fd2c1501150eab81ec6)
- **Extra**: {'source': {'original_url': 'git+https://src.fedoraproject.org/rpms/kernel.git#773bf624f647b9c6d4530fd2c1501150eab81ec6'}}
- **Tags**: f30-updates-candidate

**RPMs**

- **src**
  - kernel-5.4.16-100.fc30.src.rpm ([info](#)) ([download](#))

- **aarch64**
  - kernel-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-core-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-devel-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-modules-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-modules-extra-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-debuginfo-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))
  - kernel-debuginfo-common-aarch64-5.4.16-100.fc30.aarch64.rpm ([info](#)) ([download](#))

- **armv7hl**
  - kernel-5.4.16-100.fc30.armv7hl.rpm ([info](#)) ([download](#))
kernel-modules-extra-5.4.16-100.fc30.ppc64le.rpm (info) (download)
kerneld-debuginfo-5.4.16-100.fc30.ppc64le.rpm (info) (download)
kerneld-debuginfo-common-ppc64le-5.4.16-100.fc30.ppc64le.rpm (info) (download)

s390x
kernel-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-core-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-devel-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-modules-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-modules-extra-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-debuginfo-5.4.16-100.fc30.s390x.rpm (info) (download)
kerneld-debuginfo-common-s390x-5.4.16-100.fc30.s390x.rpm (info) (download)

x86_64
kernel-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-core-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-core-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-devel-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-modules-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-modules-extra-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-devel-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-modules-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-modules-extra-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debug-debuginfo-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debuginfo-5.4.16-100.fc30.x86_64.rpm (info) (download)
kerneld-debuginfo-common-x86_64-5.4.16-100.fc30.x86_64.rpm (info) (download)

Logs x86_64
state.log
build.log
hw_info.log
root.log
mock_output.log

ppc64le
hw_info.log
state.log
root.log
state.log
root.log
build.log
mock_output.log

aarch64
state.log
hw_info.log
root.log
build.log
mock_output.log

i686
state.log
build.log
hw_info.log
root.log
mock_output.log

s390x
root.log
state.log
build.log
hw_info.log
mock_output.log

armv7hl
build.log
root.log
hw_info.log
state.log
mock_output.log

Changelog
* Thu Jan 30 2020 Jeremy Cline <jcline@redhat.com> - 5.4.16-100
  - Linux v5.4.16

* Wed Jan 29 2020 Justin Forbes <jforbes@fedoraproject.org>
  - Add support for Comet Lake (rhbz 1794369)

* Mon Jan 27 2020 Jeremy Cline <jcline@redhat.com> - 5.4.15-100
  - Linux v5.4.15
Copr is an easy-to-use automatic build system providing a package repository as its output.

Start with making your own repository in these three steps:

1. Choose a system and architecture you want to build for
2. Provide Copr with src.rpm packages
3. Let Copr do all the work and wait for your new repo

*NOTE: Copr is not yet officially supported by Fedora Infrastructure*

Projects

**luchs/opensmtpd**
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
*Fedora 31: x86_64*

**rpmsoftwaremanagement/rpm-gitoverlay-1580460220.883174**
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
*Fedora 30: x86_64*

**abbra/opendnssec**
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
*Fedora 30: x86_64  Fedora 31: x86_64  Fedora rawhide: x86_64*

**leonkyneur/lustre-2-12** *(temporary project, will be deleted after 1 days)*
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
*Epel for CentOS 7: x86_64*

**cyberpear/pip**
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
*Epel for CentOS 7: x86_64  Epel for CentOS 8: x86_64  Fedora 31: x86_64*

Recent Builds - View All

**python-plyvel**
Project: @python/python3.9
Build: 1211188
State: succeeded
Finished: 53 seconds ago

**freeipa**
Project: @freeipa/freeipa-master-nightly
Build: 1213404
State: failed
Finished: 2 minutes ago
Copr is an easy-to-use automatic build system providing a package repository as its output. Start with making your own repository in these three steps:

1. Choose a system and architecture you want to build for
2. Provide Copr with src.rpm packages
3. Let Copr do all the work and wait for your new repo

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Epel for CentOS 7: x86_64  Epel for CentOS 8: x86_64  Fedora 31: x86_64

**freeipa**
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
Epel for CentOS 7: x86_64  Epel for CentOS 8: x86_64  Fedora 31: x86_64
Search Results /kernel

jborque/kernel-rawhide
This is just the rawhide fedora kernel release plus or minus patches that I need.
Fedora rawhide: x86_64

jborque/kernel-testing
This is just the testing fedora release kernel plus or minus patches that I need.
Fedora 31: x86_64

jborque/kernel
This is just the stable fedora kernel release plus or minus patches that I need.
Fedora 31: x86_64

luya/kernel-amsfh
Compiled kernel with AMD Sensor Fusion HUB driver patches
Fedora 31: ppc64le x86_64  Fedora rawhide: ppc64le x86_64

kenya888/fedora-surface-kernel
My custom kernel for Surface Go (Other model is not taken care of) and using for Fedora Silverblue Only
Fedora 31: x86_64

glpawu/kernel-bmq
Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
Fedora 31: x86_64

youcai/kernel.odroidxu4
kernel.fc31 applied with various patches, to support odroid xu4 better
Fedora 31: amhfp

dl/datte/kernel-acspatch-flrpatch
Search Results /kernel

jborque/kernel-rawhide
This is just the rawhide fedora kernel release plus or minus patches that I need.
Fedora rawhide: x86_64

jborque/kernel-testing
This is just the testing fedora release kernel plus or minus patches that I need.
Fedora 31: x86_64

jborque/kernel
This is just the stable fedora kernel release plus or minus patches that I need.
Fedora 31: x86_64

luya/kernel-amdsfh
Compiled kernel with AMD Sensor Fusion HUB driver patches
Fedora 31: ppc64le x86_64 Fedora rawhide: ppc64le x86_64

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My custom kernel for Surface Go (Other model is not taken care of) and using for Fedora Silverblue Only
Fedora 31: x86_64

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Description not filled in by author. Very likely personal repository for testing purpose, which you should not use.
Fedora 31: x86_64

youcai/kernel.odroidxu4
kernel.fc31 applied with various patches, to support odroid xu4 better
Fedora 31: armhf

djdatte/kernel-acspatch-flrpatch
Build 1171516

**General Information**

- **Status:** succeeded - Successfully built.
- **Submitted:** 2020-01-21 17:15 UTC (9 days ago)
- **Started:** 2020-01-21 17:19 UTC (9 days ago)
- **Finished:** 2020-01-21 22:38 UTC (9 days ago)
- **Build time:** 5 hours
- **Networking enabled:** True
- **Directory:** kernel
- **Resubmitted from:** 1152320
- **Built by:** jborque

**Source**

- **Package:** kernel
- **Version:** 5.4.12-201 jborque.fc31
- **Source Type:** Build from an SCM repository
- **SCM type:** git
- **Clone URL:** https://src.fedoraproject.org/forks/jborque/rpms/kernel.git
- **Committish:** f31-stable
- **Build SRPM with:** rpkg
### Results

**SRPM build log:** builder-live.log.gz  
**Built Packages:**  
- kernel 5.4.12  
- kernel-core 5.4.12  
- kernel-debug 5.4.12  
- kernel-debug-core 5.4.12  
- kernel-debug-devel 5.4.12  
- kernel-debuginfo 5.4.12  
- kernel-debuginfo-common-x86_64 5.4.12  
- kernel-debug-modules 5.4.12  
- kernel-debug-modules-extra 5.4.12  
- kernel-debug-modules-internal 5.4.12  
- kernel-devel 5.4.12  
- kernel-modules 5.4.12  
- kernel-modules-extra 5.4.12  
- kernel-modules-internal 5.4.12

<table>
<thead>
<tr>
<th>Chroot Name</th>
<th>Dist Git Source</th>
<th>Build Time</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>fedora-31-x86_64</td>
<td>973fe7e</td>
<td>5 hours</td>
<td>succeeded</td>
</tr>
</tbody>
</table>
### SCM type
- git

### Clone URL
- https://src.fedoraproject.org/forks/jborque/rpms/kernel.git

### Commitish
- f31-stable

### Build SRPM with
- rpkg

## Results

### SRPM build log
- builder-live.log.gz

### Built Packages
- kernel 5.4.12
- kernel-core 5.4.12
- kernel-debug 5.4.12
- kernel-debug-core 5.4.12
- kernel-debug-devel 5.4.12
- kernel-debuginfo 5.4.12
- kernel-debuginfo-common-x86_64 5.4.12
- kernel-debug-modules 5.4.12
- kernel-debug-modules-extra 5.4.12
- kernel-debug-modules-internal 5.4.12
- kernel-devel 5.4.12
- kernel-modules 5.4.12
- kernel-modules-extra 5.4.12
- kernel-modules-internal 5.4.12

<table>
<thead>
<tr>
<th>Chroot Name</th>
<th>Dist Git Source</th>
<th>Build Time</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔄 fedora-31-x86_64</td>
<td>973fe7e</td>
<td>5 hours</td>
<td>✔ succeeded</td>
</tr>
</tbody>
</table>
DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
DEBUG COPR build for libetonyek-0.1.9-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
KOJI/COPR TRIGGER

DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
DEBUG COPR build for libetonyek-0.1.9-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG COPR build for libosmium-2.14.2-1.fc29 not successful
DEBUG 35807657: A build completed!
INFO 35807657: Build from dist-git found!
INFO 35807657: Build kernel-5.1.14-300.fc30 found!
INFO 35807657: Found possible trigger
INFO Pipeline 1/1 for fedora triggered
DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
DEBUG 35813275: A build completed!
INFO 35813275: Build openmeeg-2.4.1-4.fc31.src.rpm found!
INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
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DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
KOJI/COPR TRIGGER

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INFO 35813275: Pipeline for openmeeg-2.4.1-4.fc31.src.rpm not configured!
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INFO 35807657: Build kernel-5.1.14-300.fc30 found!
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DEBUG 35813445: A build completed!
INFO 35813445: Build seafile-client-6.2.11-1.fc31.src.rpm found!
INFO 35813445: Pipeline for seafile-client-6.2.11-1.fc31.src.rpm not configured!
DEBUG 35813487: A build completed!
INFO 35813487: Build a2ps-4.14-40.fc30.src.rpm found!
INFO 35813487: Pipeline for a2ps-4.14-40.fc30.src.rpm not configured!
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
INFO COPR build for libxml2-2.9.8-5.fc29 found
DEBUG COPR: Pipeline for libxml2-2.9.8-5.fc29 not configured
DEBUG 35813510: A build completed!
INFO 35813510: Build deepin-metacity-3.22.24-2.fc31.src.rpm found!
INFO 35813510: Pipeline for deepin-metacity-3.22.24-2.fc31.src.rpm not configured!
GitHub/GitLab repo

PR/MR

.fix foo
GitHub/GitLab repo

PR/MR

.fix foo

ask me to test!
GitHub/GitLab repo

PR/MR

.fix foo

.ask me to test!

test please, 🚀!
GitHub/GitLab repo

PR/MR

.fix foo

. ask me to test!

. test please, 🚀!

. testing now!
GitHub/GitLab repo

PR/MR

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

RHEL7

- Merge
- Build
- Test
GitHub/GitLab repo

PR/MR

- 🧙‍♂️ fix foo
- 🤖 ask me to test!
- 🧙‍♀️ test please, 🤖!
- 🧙‍♀️ testing now!
- ... 😶... 😶...

GitHub/GitLab Bot 📣 TRIGGER

RHEL7

- Merge ➔ Build ➔ Test

RHEL8

- Merge ➔ Build ➔ Test
GitHub/GitLab repo

PR/MR

- fix foo
- ask me to test!
- test please, 🎈!
- testing now!
- ... 🍽️ ...

RHEL7

- Merge → Build → Test

RHEL8

- Merge → Build → Test

stable

- Merge → Build → Test
GitHub/GitLab bot trigger

PR/MR

- fix foo
- ask me to test!
- test please, 😶!
- testing now!
- ... 😷 ...
- passed, ACK👍

GitHub/GitLab repo

RHEL7

- Merge ➔ Build ➔ Test

RHEL8

- Merge ➔ Build ➔ Test

stable

- Merge ➔ Build ➔ Test
Misc fixes #134

spbnick commented 21 hours ago

This is a bunch of miscellaneous fixes leading to switching from suite/case exporting to just exporting a flat list of "tests".

Supersedes #133 due to CI issues.

cki-bot commented 21 hours ago

Hi! This is the friendly CKI test bot. The maintainers can mention me in a comment together with the word "test" and I will test this PR and post the results. Please note that the only tests that will be tested by the bot are those that are enabled in kpet-db or are already in use within CKI pipelines. If your test is new and has not been enabled for use in pipelines, the bot cannot test it here.

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spbnick commented 21 hours ago

@cki-bot, please test!
Misc fixes #134

**Merged** spbnick merged 6 commits into CKI-project:master from spbnick:misc_fixes2 1 hour ago

**Conversation** 20  ← Commits 6  ← Checks 1  ← Files changed 7

spbnick commented 21 hours ago

This is a bunch of miscellaneous fixes leading to switching from suite/case exporting to just exporting a flat list of "tests".

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spbnick commented 21 hours ago

@cki-bot, please test!
CKI pipeline triggered

@emanchado, do you think you could review this?

cki-bot requested changes 10 hours ago

cki-bot left a comment

cki-bot CKI pipeline failed #134 (comment)

https://xcli32.lab.eng.rdu2.redhat.com/cki-project/cki-pipeline/pipelines/411940
https://xcli32.lab.eng.rdu2.redhat.com/cki-project/cki-pipeline/pipelines/411939
https://xcli32.lab.eng.rdu2.redhat.com/cki-project/cki-pipeline/pipelines/411938

emanchado reviewed 5 hours ago

emanchado left a comment

LGTM generally, but see comments (mostly smaller things and questions).
ckibot commented 21 hours ago

CKI pipeline triggered

spbnick commented 19 hours ago

@emanchado, do you think you could review this?

ckibot requested changes 10 hours ago

ckibot left a comment

👍 CKI pipeline failed #134 (comment)

https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411940
https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411939
https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411938

emanchado reviewed 5 hours ago

emanchado left a comment

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CKI pipeline triggered

spbnick commented 19 hours ago

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😞 CKI pipeline failed #134 (comment)

https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411940
https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411939
https://xci32.lab.eng.redhat.com/cki-project/cki-pipeline/pipelines/411938

emanchado reviewed 5 hours ago

emanchado left a comment

LGTM generally, but see comments (mostly smaller things and questions).
KPET-DB → YAML → KPET → XML → Beaker
KPET-DB → YAML → KPET → XML → Beaker
KPET - DB

kernel patch evaluated testing

YAML

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

Beaker

XML
KPET-DB -> YAML

YAML

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

KPET
kernel patch-evaluated testing

KPET

XML

Beaker
Arches
- x86_64
- aarch64
- ppc64le
  +2

Host Types
- bare_metal
- megaraid
- rdma
  +...

Trees
- rhel7
- rhel8
  +16
- stable

Comps
- headers
- devel
- debug
  +3

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

arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhel8
    - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
SUITE DATA

description: 'KVM Unit Tests'
url_suffix: vm/kvm-unit-tests
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeir@redhat.com>

pattern:
  sets:
    or:
      - ktl
      - virt

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

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

trees:
  or:
    - rhel8
    - rhel9

cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
description: 'KVM Unit Tests'

url_suffix: 'vm/kvm-unit-tests'

host_type_regex: bare_metal

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

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

pattern:
  sets:
    or:
      - ktl
      - virt

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

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

trees:
  or:
    - rhe18
    - ark

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

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

Branch: master

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

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

.. 

Makefile
Add nmap-ncat for KVM unit tests

- aarch64
- ppc64le
- s390x
trees:
or:
- rhel8
- ark
cases:
- name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm/unit-tests'
host_type_regex: bare_metal
hostrequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
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pattern:
  sets:
    or:
      - ktl
      - virt
  sources:
    or:
      - arch/arm64/include/(uapi/)asm/kvm.*.h
      - arch/arm64/include/asm/(cpufeature.h|arch_timer.h)
      - arch/arm64/kernel/cpufeature.c
      - arch/arm64/timer.c
      - drivers/clocksource/arm_arch_timer.c
      - drivers/irqchip/.*
arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhel8
    - ar

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

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare-metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2

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

pattern:
  sets:
    or:
    - kti
    - virt

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

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

trees:
  or:
  - rhel8
  - ark

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

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2

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

- arch/arm64/include/asm/(cpufeature.h,arch_timer.h)
- arch/arm64/kernel/cpufeature.c
- arch/arm64/timer.c
- drivers/clocksoure/arm_arch_timer.c
- drivers/irqchip/.*

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

trees:
  or:
  - rhel8
  - ark

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

description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml

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

pattern:
sets:
or:
- ktl
- virt

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

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

trees:
or:
- rhe18
- ark

cases:
- name: 'KVM Unit Tests'
  max_duration_seconds: 1200
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    - virt

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

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

trees:
  or:
    - rhel8
    - ark

cases:
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host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
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pattern:
sources:
  arch/arm64/include/(uapi/)?asm/kvm.*.h
  arch/arm64/include/asm/(cpufeature.hlarch_timer.h)
  arch/arm64/kernel/cpufeature.c
  arch/arm64/mach
  drivers/clocksourcer/arm_arch_timer.c
  drivers/irqchip/.*
arches:
  x86_64
  aarch64
  ppc64le
  s390x
trees:
  or:
    - rhel8
    - arkB
cases:
  name: 'KVM Unit Tests'
  max_duration_seconds: 1200
description: 'KVM Unit Tests'
url_suffix: 'vm/kvm-unit-tests'
host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
maintainers:
  - Marcelo Condotta <mbandeira@redhat.com>
pattern:
  sets:
    or:
    - kt1
    - virt

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

arches:
  or:
    - x86_64
    - aarch64
    - ppc64le
    - s390x
trees:
  or:
    - rhe18
    - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
description: 'KVM Unit Tests'
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host_type_regex: bare_metal
hostRequires: suites/vm/kvm/unit/hostrequires.xml.j2
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    - virt
sources:
  or:
  - arch/arm64/include/(uapi/)?asm/kvm.*.h
  - arch/arm64/include/asm/(cpufeature.h|arch_timer.h)
  - arch/arm64/kernel/cpufeature.c
  - arch/arm64/irq
  - drivers/clocksource/arm_arch_timer.c
  - drivers/irqchip/.*
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  - aarch64
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  - s390x
trees:
  or:
  - rhel8
  - rhel9
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  sets:
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    - virt
  sources:
    or:
    - arch/arm64/include/(uapi)?asm/kvm.*.h
    - arch/arm64/include/asm/(cpufeature.hlarch_timer.h)
    - arch/arm64/kernel/cpufeature.c
    - arch/arm64/mm/mm
    - drivers/clocksource/arm_arch_timer.c
    - drivers/irqchip/.*
arches:
  or:
  - x86_64
  - aarch64
  - ppc64le
  - s390x
trees:
  or:
  - rhe18
  - ark
cases:
  - name: 'KVM Unit Tests'
    max_duration_seconds: 1200
$ kpet run generate
$ kpet run generate -k kernel.tar.gz
$ kpet run generate -k kernel.tar.gz -t upstream
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64
$ kpet run generate -k kernel.tar.gz  	-t upstream  
-a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc | head -n20
$ kpet run generate -k kernel.tar.gz -t upstream -a aarch64 0001-mm-devm_memremap_pages-fix-final-page-put-race.patch | source-highlight -s xml -f esc | head -n20

<?xml version='1.0' encoding='utf-8'?>

<job retention_tag="60days" group="cki">
  <whiteboard/>
  <recipeSet>
    <recipe ks_meta="harness='restraint-rhts beakerlib-redhat' selinux='--permissive no_updates_repos' kernel_options='inst.updates=https://jkonecny.fedorapeople.org/redhat/bugs/1734567/updates.img arm-smmu.disable_bypass=n iommu.passthrough=1' kernel_options_post='arm-smmu.disable_bypass=n iommu.passthrough=1'">
      <distroRequires>
        <distro_arch op="=" value="aarch64"/>
        <distro_family op="=" value="Fedora30"/>
        <distro_variant op="=" value="Server"/>
        <distro_name op="=" value="Fedora-30"/>
      </distroRequires>
      <hostRequires>
        <arch op="=" value="aarch64"/>
        <not>
          <or>
            <hostname op="like" value="hpe-comanche%"/>
            <hostname op="like" value="dell-venom%"/>
          </or>
        </not>
      </hostRequires>
    </recipe>
  </recipeSet>
</job>

$
# Systems

<table>
<thead>
<tr>
<th>Name</th>
<th>Arch</th>
<th>Vendor</th>
<th>Model</th>
<th>Loaned To</th>
<th>Status</th>
<th>Type</th>
<th>User</th>
</tr>
</thead>
<tbody>
<tr>
<td>test-host-example1.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity rx4640</td>
<td>btherrie</td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example2.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity BL860c</td>
<td>jakaderk</td>
<td>Automated</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example3.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity BL860c</td>
<td></td>
<td>Automated</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example4.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity BL870c</td>
<td>btherrie</td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example5.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity rx3600</td>
<td></td>
<td>Automated</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example6.redhat.com</td>
<td>ia64</td>
<td>NEC</td>
<td>NX7700i</td>
<td>abitaraf</td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example7.redhat.com</td>
<td>ia64</td>
<td>Fujitsu</td>
<td>PRIMEQUEST 580</td>
<td></td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example8.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>rx4540</td>
<td></td>
<td>Manual</td>
<td>Machine</td>
<td>brhatiga</td>
</tr>
<tr>
<td>test-host-example9.redhat.com</td>
<td>ia64</td>
<td>Intel</td>
<td>MP Server S6E42SYENN4PB</td>
<td></td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
</tbody>
</table>
### Systems

#### Hide Search Options

**Table**

- **System/Arch**: contains ia64
- **System/Memory**: greater than 8192

**Operation**

- **System/Arch**: contains
- **System/Memory**: greater than

**Value**

- **System/Arch**: ia64
- **System/Memory**: 8192

**Remove**

- **System/Arch**: ia64
- **System/Memory**: 8192

**Search**

**Toggle Result Columns**

**Items found: 9**

<table>
<thead>
<tr>
<th>Name</th>
<th>Arch</th>
<th>Vendor</th>
<th>Model</th>
<th>LoanedTo</th>
<th>Status</th>
<th>Type</th>
<th>User</th>
</tr>
</thead>
<tbody>
<tr>
<td>test-host-example1.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity rx4640</td>
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<td>Broken</td>
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<td></td>
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<td>ia64</td>
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<td>Automated</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example3.redhat.com</td>
<td>ia64</td>
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<td>Integrity BL860c</td>
<td></td>
<td></td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example4.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity BL870c</td>
<td>btherrie</td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example5.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>Integrity rx3600</td>
<td></td>
<td>Automated</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example6.redhat.com</td>
<td>ia64</td>
<td>NEC</td>
<td>NX7700i</td>
<td>abitaraf</td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example7.redhat.com</td>
<td>ia64</td>
<td>Fujitsu</td>
<td>PRIMEQUEST 580</td>
<td></td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>test-host-example8.redhat.com</td>
<td>ia64</td>
<td>HP</td>
<td>rx4640</td>
<td></td>
<td>Manual</td>
<td>Machine</td>
<td>bhatiga</td>
</tr>
<tr>
<td>test-host-example9.redhat.com</td>
<td>ia64</td>
<td>Intel</td>
<td>MP Server S6E42SYENN4PB</td>
<td></td>
<td>Broken</td>
<td>Machine</td>
<td></td>
</tr>
</tbody>
</table>

**Items found: 9**

**Add**

Beaker 26.6
test-host-example2.redhat.com

HP Integrity BL860c
itanium 2
24355 MB memory, 73 GB disk space

- Remote power control available

Owned by admin.

Operational since 6 years ago.

Idle since 4 months ago.

Report problem

Schedule Reservation

HARDWARE Essentials

Details

Key/Values

CONTROL

Power

Provision

ACCESS

Owner

Pools

Loan

Access Policy

CONFIGURATION

Power Settings

Scheduler Settings

Excluded Families

NUMA Nodes

1

System

Host Hypervisor
(not virtualized)

Vendor
HP

Model
Integrity BL860c

Serial Number
USE7244SS5

MAC Address

Memory
24365 MB

CPU

Hardware scan was last run 7 years ago.
**CPU**

- **Vendor**: genuineintel
- **Model Name**: Itanium 2
- **Family**: 7
- **Model**: 0
- **Stepping**: 0
- **Speed**: 1594.0
- **Processors**: 4
- **Cores**: 2
- **Sockets**: 2
- **Hyper**: True
- **Flags**: branchlong 16-byte atomic ops
- **Arch(s)**: ia64

**Disks**

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Logical sector size</th>
<th>Physical sector size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP DG036A9BB6</td>
<td>36.42 GB / 33.92 GiB</td>
<td>512 bytes</td>
<td>512 bytes</td>
</tr>
<tr>
<td>HP DG036A9BB6</td>
<td>36.42 GB / 33.92 GiB</td>
<td>512 bytes</td>
<td>512 bytes</td>
</tr>
<tr>
<td>Description</td>
<td>Type</td>
<td>Bus</td>
<td>Driver</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>USB Raw Device Access</td>
<td>NONE</td>
<td>usb_device</td>
<td>Unknown</td>
</tr>
<tr>
<td>SCSI Host Adapter</td>
<td>NONE</td>
<td>scsi_host</td>
<td>Unknown</td>
</tr>
<tr>
<td>Networking Interface</td>
<td>NETWORK</td>
<td>net</td>
<td>Unknown</td>
</tr>
<tr>
<td>Platform Device (bluetooth)</td>
<td>NONE</td>
<td>platform</td>
<td>Unknown</td>
</tr>
<tr>
<td>SCSI Generic Interface</td>
<td>NONE</td>
<td>scsi_generic</td>
<td>Unknown</td>
</tr>
<tr>
<td>SCSI Device</td>
<td>NONE</td>
<td>scsi</td>
<td>sd</td>
</tr>
<tr>
<td>16550A-compatible COM port</td>
<td>NONE</td>
<td>prp</td>
<td>serial</td>
</tr>
<tr>
<td>16550A-compatible COM port</td>
<td>NONE</td>
<td>tty</td>
<td>Unknown</td>
</tr>
<tr>
<td>Platform Device (serial8250)</td>
<td>NONE</td>
<td>platform</td>
<td>serial8250</td>
</tr>
<tr>
<td>USB</td>
<td>USB</td>
<td>pci</td>
<td>ohci_hcd</td>
</tr>
<tr>
<td>PCIe Root Port</td>
<td>OTHER</td>
<td>pci</td>
<td>pcieport-driver</td>
</tr>
<tr>
<td>RMP-3 Shared Memory Driver</td>
<td>OTHER</td>
<td>pci</td>
<td>Unknown</td>
</tr>
<tr>
<td>RMP-3 (Remote Management Processor)</td>
<td>OTHER</td>
<td>pci</td>
<td>Unknown</td>
</tr>
<tr>
<td>HP Virtual Management Device</td>
<td>NONE</td>
<td>input</td>
<td>Unknown</td>
</tr>
<tr>
<td>Device Name</td>
<td>Vendor</td>
<td>Type</td>
<td>Driver</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>---------------</td>
</tr>
<tr>
<td>PCIe Root Port</td>
<td>OTHER</td>
<td>pci</td>
<td>pcieport-driver</td>
</tr>
<tr>
<td>RMP-3 Shared Memory Driver</td>
<td>OTHER</td>
<td>pci</td>
<td>Unknown</td>
</tr>
<tr>
<td>RMP-3 (Remote Management Processor)</td>
<td>OTHER</td>
<td>pci</td>
<td>Unknown</td>
</tr>
<tr>
<td>HP Virtual Management Device</td>
<td>NONE</td>
<td>input</td>
<td>Unknown</td>
</tr>
<tr>
<td>USB HID Interface</td>
<td>OTHER</td>
<td>usb</td>
<td>usbhid</td>
</tr>
<tr>
<td>ES1000</td>
<td>VIDEO</td>
<td>pci</td>
<td>Unknown</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>USB</td>
<td>pci</td>
<td>ehci_hcd</td>
</tr>
<tr>
<td>Diva Serial [GSP] Multiport UART</td>
<td>OTHER</td>
<td>pci</td>
<td>serial</td>
</tr>
<tr>
<td>Diva Serial [GSP] Multiport UART</td>
<td>NONE</td>
<td>tty</td>
<td>Unknown</td>
</tr>
<tr>
<td>ISP2432-based 4Gb Fibre Channel to PCI Express HBA</td>
<td>OTHER</td>
<td>pci</td>
<td>qla2xxx</td>
</tr>
<tr>
<td>NetXtreme BCM5704S Gigabit Ethernet</td>
<td>NETWORK</td>
<td>pci</td>
<td>tg3</td>
</tr>
<tr>
<td>SAS1068 PCI-X Fusion-MPT SAS</td>
<td>SCSI</td>
<td>pci</td>
<td>mptisas</td>
</tr>
</tbody>
</table>
### Jobs

<table>
<thead>
<tr>
<th>ID</th>
<th>Whiteboard</th>
<th>Group</th>
<th>Owner</th>
<th>Progress</th>
<th>Status</th>
<th>Result</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>J:4045016</td>
<td>cki@gitlab:411940 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>91%</td>
<td>Running</td>
<td>Warn</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4044564</td>
<td>cki@gitlab:411940 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64 [RS:6407928]</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4044189</td>
<td>cki@gitlab:412031 5.4.17-rc1-1bde1c5.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Aborted</td>
<td>Warn</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4043259</td>
<td>cki@gitlab:411308 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64 [RS:6406282]</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4043172</td>
<td>cki@gitlab:411460 5.5.0-6c511cc.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4043010</td>
<td>cki@gitlab:411316 5.4.16-60b6aa2.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4042998</td>
<td>cki@gitlab:411308 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Aborted</td>
<td>Warn</td>
<td>Clone</td>
</tr>
<tr>
<td>J:4042869</td>
<td>cki@gitlab:411183 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone</td>
</tr>
</tbody>
</table>
## Jobs

<table>
<thead>
<tr>
<th>ID</th>
<th>Whiteboard</th>
<th>Group</th>
<th>Owner</th>
<th>Progress</th>
<th>Status</th>
<th>Result</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>J:4045016</td>
<td>cki@gitlab:411940 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>91%</td>
<td>Running</td>
<td>Warn</td>
<td>Clone Cancel Export</td>
</tr>
<tr>
<td>J:4044564</td>
<td>cki@gitlab:411940 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64 [RS:6407928]</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4044189</td>
<td>cki@gitlab:412031 5.4.17-rc1-1bde1c5.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Aborted</td>
<td>Warn</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4043259</td>
<td>cki@gitlab:411308 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64 [RS:6406282]</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4043172</td>
<td>cki@gitlab:411460 5.5.0-6c511cc.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4043010</td>
<td>cki@gitlab:411316 5.4.16-60b6aa2.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4042998</td>
<td>cki@gitlab:411308 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Aborted</td>
<td>Warn</td>
<td>Clone Delete Export</td>
</tr>
<tr>
<td>J:4042869</td>
<td>cki@gitlab:411183 5.4.16-rc1-c4e8eba.cki@upstream-stable x86_64</td>
<td>cki</td>
<td>beaker/cki-team-automation</td>
<td>100%</td>
<td>Completed</td>
<td>Pass</td>
<td>Clone Delete Export</td>
</tr>
</tbody>
</table>
J:4043172 owned by beaker/cki-team-automation for cki

Submitted a day ago. (Job activity)
Pass with 4 out of 4 recipes finished.

WHITEBOARD
cki@gitlab.411460 5.5.0-6c511cc.cki@upstream-stable x86_64

RS:6406502

R:7850256  Fedora-31 Server x86_64  test-host-example.redhat.com  100%

R:7850257  Fedora-31 Server x86_64  test-host-example.redhat.com  100%

RS:6406504

R:7850258  Fedora-31 Server x86_64  test-host-example.redhat.com  100%

RS:6406505

R:7850259  Fedora-31 Server x86_64  test-host-example.redhat.com  100%
J:4043172 owned by beaker/cki-team-automation for cki

View as: Beaker results XML • JUnit XML

Submitted a day ago. (Job activity)
Pass with 4 out of 4 recipes finished.

WHITEBOARD
cki@gitlab:411460 5.5.0-6c511cc.cki@upstream-stable x86_64

RS:6406502

R:7850256
Fedora-31 Server x86_64 test-host-example.redhat.com

RS:6406503

R:7850257
Fedora-31 Server x86_64 test-host-example.redhat.com

RS:6406504

R:7850258
Fedora-31 Server x86_64 test-host-example.redhat.com

RS:6406505

R:7850259
Fedora-31 Server x86_64 test-host-example.redhat.com

Beaker 26.6
Copyright 2014 Red Hat, Inc.
INTERNAL USE ONLY
### Installation Results

- **R:7850256** 1 of 4 recipes in J:4043172

**Started a day ago and finished in 07:44:23.**

Using **Fedora-31 Server x86_64** on **test-host-example.redhat.com**

**WHITEBOARD**

*empty*

#### Console output

**Installation**

- Status: **Pass** with 44 out of 44 tasks finished.

<table>
<thead>
<tr>
<th>Task ID</th>
<th>Duration</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>T:105462933</td>
<td>+00:10:27</td>
<td>/distribution/check-install 1.0-2</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462935</td>
<td>+00:10:49</td>
<td>/distribution/command 1.1-5</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462936</td>
<td>+00:11:16</td>
<td>/test/misc/machineinfo</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462937</td>
<td>+00:11:37</td>
<td>Boot test</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462938</td>
<td>+00:14:54</td>
<td>Podman system integration test (as root)</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462939</td>
<td>+00:18:31</td>
<td>Podman system integration test (as user)</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462940</td>
<td>+00:22:28</td>
<td>LTP</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462941</td>
<td>+02:17:16</td>
<td>Loopdev Sanity</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462942</td>
<td>+02:21:40</td>
<td>Memory function: memfd_create</td>
<td>Pass</td>
</tr>
<tr>
<td>T:105462944</td>
<td>+02:27:54</td>
<td>Networking bridge sanity</td>
<td>Pass</td>
</tr>
</tbody>
</table>
PASS: Test report for kernel 5.4.14-rc1-58262df.cki (stable)

Subject: PASS: Test report for kernel 5.4.14-rc1-58262df.cki (stable)
From: CKI Project <cki-project@xxxxxxxxxxxxx>
Date: Wed, 22 Jan 2020 02:32:41 -0000

Hello,

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

Commit: 58262dfd5845 - Linux 5.4.14-rc1

The results of these automated tests are provided below.

Overall result: PASSED
  Merge: OK
  Compile: OK
  Tests: OK
All kernel binaries, config files, and logs are available for download here:

https://artifacts.cki-project.org/pipelines/396359

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

(C) (K) Continuous
\_ \_ \_ \_ \_ Kernel
(I) Integration

Compile testing
-------------

We compiled the kernel for 3 architectures:

aarch64:
   make options: -j30 INSTALL_MOD_STRIP=1 targv-pkg

ppc64le:
   make options: -j30 INSTALL_MOD_STRIP=1 targv-pkg

x86_64:
   make options: -j30 INSTALL_MOD_STRIP=1 targv-pkg

Hardware testing
-----------------

We booted each kernel and ran the following tests:
Hardware testing

We booted each kernel and ran the following tests:

aarch64:
Host 1:
- Boot test
- Podman system integration test (as root)
- Podman system integration test (as user)
- LTP
- Loopdev Sanity
- Memory function: memfd_create
- AMTU (Abstract Machine Test Utility)
- Networking bridge: sanity
- Ethernet drivers sanity
- Networking MACsec: sanity
- Networking socket: fuzz
- Networking scgp-auth: sockopts test
- Networking: igmp conformance test
- Networking route: pmtu
- Networking route_func: local
- Networking route_func: forward
- Networking TCP: keepalive test
- Networking UDP: socket
- Networking tunnel: geneve basic test
- Networking tunnel: gre basic
- L2TP basic test
- Networking tunnel: vxlans basic
- Networking ipsec: basic netns transport
- Networking ipsec: basic netns tunnel
- audit: audit testsuite test
- httpd: mod_ssl smoke sanity
- tuned: tune-processes-through-perf
- ALSA PCM loopback test
ALSA PCM loopback test
ALSA Control (mixer) Userspace Element test
storage: SCSI VPD
trace: ftrace/tracer
CIFS Connectathon
POSIX pjd-fstest suites
jvm test suite
Memory function: kaslr
LTP: openposix test suite
Networking vnic: ipvlan/basic
iotop: sanity
Usex - version 1.9-29
storage: dm/common

Host 2:
- Boot test
- xfstests: ext4
- xfstests: xfs
- selinux-policy: serge-testsuite
- lvm thinp sanity
- storage: software RAID testing
- stress: stress-ng
- IPMI driver test
- IPMItool loop stress test
- Storage blktests

ppc64le:
Host 1:
- Boot test
- Podman system integration test (as root)
- Podman system integration test (as user)
- LTP
- Loopdev Sanity
- Memory function: memfd create
Memory function: memfd_create
AMTU (Abstract Machine Test Utility)
Networking bridge: sanity
Ethernet drivers sanity
Networking MACsec: sanity
Networking socket: fuzz
Networking sctp-auth:sockopts test
Networking route: pmtu
Networking route_func: local
Networking route_func: forward
Networking TCP: keepalive test
Networking UDP: socket
Networking tunnel: geneve basic test
Networking tunnel: gre basic
L2TP basic test
Networking tunnel: vxlan basic
Networking ipsec: basic netns tunnel
audit: audit testsuite test
httpd: mod_ssl smoke sanity
tuned: tune-processes-through-perf
ALSA PCM loopback test
ALSA Control (mixer) Userspace Element test
trace: ftrace/tracer
CIFS Connectathon
POSIX pjd-fstest suites
jvm test suite
Memory function: kaslr
LTP: openposix test suite
Networking vnic: ipvlan/basic
iotop: sanity
Usex - version 1.9-29
storage: dm/common
Host 2:
- Boot test
- xfstests: ext4
- xfstests: xfs
- selinux-policy: serge-testsuite
- lvm thinp sanity
- storage: software RAID testing
- IPMI driver test
- IPMItool loop stress test
- Storage blktest

x86_64:
Host 1:
- Boot test
- Podman system integration test (as root)
- Podman system integration test (as user)
- LTP
- Loopdev Sanity
- Memory function: memfd_create
- AMTU (Abstract Machine Test Utility)
- Networking bridge: sanity
- Ethernet drivers sanity
- Networking MACsec: sanity
- Networking socket: fuzz
- Networking sctp-auth: sockopts test
- Networking: igmp conformance test
- Networking route: pmtu
- Networking route_func: local
- Networking route_func: forward
- Networking TCP: keepalive test
- Networking UDP: socket
- Networking tunnel: geneve basic test
- Networking tunnel: gre basic
- L2TP basic test
Host 1:
- L2TP basic test
- Networking tunnel: vxlan basic
- Networking ipsec: basic netns transport
- Networking ipsec: basic netns tunnel
- audit: audit testsuite test
- httpd: mod_ssl smoke sanity
- tuned: tune-processes-through-perf
- pciutils: sanity smoke test
- ALSA PCM loopback test
- ALSA Control (mixer) Userspace Element test
- storage: SCSI VPD
- trace: ftrace/tracer
- CIFS Connectathon
- POSIX pjd-fstest suites
- jvm test suite
- Memory function: kaslr
- LTP: openposix test suite
- Networking vnic: ipvlan/basic
- iotop: sanity
- UseX - version 1.9-29
- storage: dm/common

Host 2:
- Boot test
- Storage SAN device stress - mpt3sas driver

Host 3:
- Boot test
- Storage SAN device stress - megaraid_sas

Host 4:
- Boot test
- xfstests: ext4
- xfstests: xfs
xfstests: xfs
selinux-policy: serge-testsuite
lvm thinp sanity
storage: software RAID testing
stress: stress-ng
    IOMMU boot test
IPMI driver test
IPMItool loop stress test
Storage blktests

Test sources: https://github.com/CKI-project/tests-beaker
    Pull requests are welcome for new tests or improvements to existing tests!

Waived tests
-------------
If the test run included waived tests, they are marked with ⚠️. Such tests are executed but their results are not taken into account. Tests are waived when their results are not reliable enough, e.g. when they're just introduced or are being fixed.

• Prev by Date: stable-rc/linux-4.14.y build: 196 builds: 0 failed, 196 passed, 98 warnings (v4.14.166-56-g49153e6f7d26)
• Next by Date: Re: [for-linus][PATCH 3/5] tracing: trigger: Replace unneeded RCU-list traversals
• Next by thread: stable-rc/linux-4.4.y boot: 37 boots: 1 failed, 36 passed (v4.4.210-70-ga43a787c971a)
• Index(es):
    • Date
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<th>Version</th>
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kernelci.org is a community based, open source distributed test automation system focused on upstream Linux kernel development. Our goal is to unify all upstream Linux kernel testing efforts in order to provide a single place where to store, view, compare and track these results.

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View trees being built and their latest results
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View trees being built and their latest results
### Available Jobs

The results shown here cover the last **14 days** of available data starting from **Fri, 31 Jan 2020** (time is **UTC** based).

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*^Note:* The status values are represented as follows:
- **✓:** Passed
- **✗:** Failed
- **△:** Skipped
A serverless, highly scalable, and cost-effective cloud data warehouse designed to help you make informed decisions quickly, so you can transform your business with ease.

Accelerate time-to-value with a fully managed and serverless cloud data warehouse that is easy to set up and manage and doesn’t require a database administrator. Jump-start data analysis cost effectively and uncover meaningful insights to stay competitive.
## Kernelci.org DB tools

- **72 commits**
- **12 branches**
- **0 packages**
- **1 release**
- **4 contributors**
- **GPL-2.0**

### Files

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>README.md</td>
<td>Document schema upgrade procedure</td>
<td>2 days ago</td>
</tr>
<tr>
<td>kcidd</td>
<td>io_schema: Switch to version object</td>
<td></td>
</tr>
<tr>
<td>kernelci</td>
<td>WIP: kernelci: example xfer from mongodb</td>
<td>5 months ago</td>
</tr>
<tr>
<td>lkit</td>
<td>Add a runfile for reference</td>
<td>5 months ago</td>
</tr>
<tr>
<td>samples</td>
<td>Replace sample.json with realistic CKI and KernelCI data</td>
<td>4 months ago</td>
</tr>
<tr>
<td>.gitignore</td>
<td>Package for pip</td>
<td>5 months ago</td>
</tr>
<tr>
<td>.pylintrc</td>
<td>Add flake8 and pylint to development install extras</td>
<td>5 months ago</td>
</tr>
<tr>
<td>.travis.yml</td>
<td>Downgrade to Python 3.6 for Ubuntu compatibility</td>
<td>4 months ago</td>
</tr>
<tr>
<td>LICENSE</td>
<td>Package for pip</td>
<td>5 months ago</td>
</tr>
<tr>
<td>README.md</td>
<td>README.md: Document schema upgrade procedure</td>
<td>2 days ago</td>
</tr>
<tr>
<td>setup.py</td>
<td>Add kcidd-validate</td>
<td>2 months ago</td>
</tr>
</tbody>
</table>

Latest commit: a1b3aa1 3 days ago
Jan 31 15:46:11 }
Jan 31 15:46:11 }
Jan 31 15:46:11 {
Jan 31 15:46:11   "count": 0,
Jan 31 15:46:11   "next": null,
Jan 31 15:46:11   "previous": null,
Jan 31 15:46:11   "results": {
Jan 31 15:46:11     "data": {
Jan 31 15:46:11       "tests": [],
Jan 31 15:46:11       "version": "1"
Jan 31 15:46:11     },
Jan 31 15:46:11     "last_retrieved_id": 609119
Jan 31 15:46:11   }
Jan 31 15:46:11 }
Jan 31 15:46:11 SUBMITTING BELOW
Jan 31 15:46:11 {
Jan 31 15:46:11   "builds": [
Jan 31 15:46:11     {  
Jan 31 15:46:11       "architecture": "x86_64",
Jan 31 15:46:11       "command": "make -j30 INSTALL_MOD_STRIP=1 tgz-pkg",
Jan 31 15:46:11       "misc": {
Jan 31 15:46:11         "job_id": 598206,
Jan 31 15:46:11         "pipeline_id": 412178
Jan 31 15:46:11       },
Jan 31 15:46:11       "origin": "redhat",
Jan 31 15:46:11       "origin_id": "598206",
Jan 31 15:46:11       "output_files": [
Jan 31 15:46:11         {
Jan 31 15:46:11           "name": "kernel.tar.gz",
Jan 31 15:46:11           "url": "https://artifacts.cki-project.org/pipelines/412178/kernel-"
Jan 31 15:46:11         }
Jan 31 15:46:11       },
Jan 31 15:46:11       "revision_origin": "redhat",
Jan 31 15:46:11       "revision_origin_id": "git://git.kernel.org/pub/scm/linux/kernel/git/rdma/"}
THE DOUBLE-REPO GAMBIT

Pipeline Repo
- rhel7
  - .gitlab-ci.yml
- rhel8
  - .gitlab-ci.yml
- stable
  - .gitlab-ci.yml

Definition Repo
- Trees
  - rhel7.yml
  - rhel8.yml
  - stable.yml
  - ...
- cki_pipeline.yml
THE DOUBLE-REPO GAMBIT

Pipeline Repo

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cki_pipeline.yml
THE DOUBLE-REPO GAMBIT

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- **stable**
  - .gitlab-ci.yml

Definition Repo

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  - rhel8.yml
  - stable.yml
  - ...

- **cki_pipeline.yml**
THE DOUBLE-REPO GAMBIT

Pipeline Repo

- **rhel7**
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  - .gitlab-ci.yml

- **stable**
  - .gitlab-ci.yml

Definition Repo

- **Trees**
  - rhel7.yml
  - rhel8.yml
  - stable.yml
  - ...

- **cki_pipeline.yml**
Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger

Pipeline Repo

stable

rhel7
Pipeline Repo

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

- rhel7
  - Baseline: rhel7 master

Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger
Baseline Trigger
Patchwork Trigger
Stable Queue Trigger
GitHub Bot Trigger

Pipeline Repo

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

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

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

**rheI7**
- Baseline: rheI7 master
- Patch: rheI77: Fix that ...
- Retrigger: test-kpet-c1c4f1
TRIGGERING

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

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

Pipeline Repo
## Pipeline Repo

### stable
### rhel7

#### Triggering

**Stable queue: queue-5.2**
*CKI Bot authored 2 days ago*

**Retrigger: test-kpet-db-367c0556**
*CKI Bot authored 2 days ago*

**Stable queue: queue-5.2**
*CKI Bot authored 3 days ago*

#### Retrigger: test-kpet-c1c4f1
*Baseline: stable linux-5.2 y*

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

**Baseline: rhel7 master**

### Commits

**30 Aug, 2019 4 commits**

- **Stable queue: queue-5.2**
  *CKI Bot authored 2 days ago*
  - 666ec71b

- **Retrigger: test-kpet-db-367c0556**
  *CKI Bot authored 2 days ago*
  - edddf5e4

- **Stable queue: queue-5.2**
  *CKI Bot authored 3 days ago*
  - a8e857e6

**29 Aug, 2019 7 commits**

- **Retrigger: test-kpet-db-7602e199**
  *CKI Bot authored 3 days ago*
  - 7b0da6d5

- **Stable queue: queue-5.2**
  *CKI Bot authored 3 days ago*
  - 53c31032

**28 Aug, 2019 13 commits**

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

Pipeline Repo

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

- Baseline: rhel7 master:8940242d9c96
  - CKI Bot authored 23 hours ago

- Patch: rhel77: [RHEL 7.7 PATCH 2/2] Redo everything
  - CKI Bot authored 1 day ago
TRIGGERING

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

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

Pipeline Repo
Commit 01f32c7b authored 1 day ago by CKI Bot

Baseline: stable linux-5.2.y:9f631715ffe6

cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = upstream-stable
mail_to = Linux Stable maillist <stable@vger.kernel.org>
mail_from = CKI Project <cki-project@redhat.com>
mail_add_maintainers_to = cc
report_template = limited
require_manual_review = False
config_target = olddefconfig
publish_elsewhere = True
report_types = email
commit_hash = 9f631715ffe68666bbe4c5f7ad0dfc1ed387e1a1
cki_pipeline_id = 10c8e695bc0f25088541c1f3e108be29d4278a4d3063b0ebf6d95998ad376375
branch = linux-5.2.y
name = stable
cki_pipeline_type = baseline
make_target = targz-pkg
title = Baseline: stable linux-5.2.y:9f631715ffe6
mail_bcc = skt-results-redacted@redhat.com
Pipeline Repo

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

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

TRIGGERING
Commit c7060e6c authored 1 week ago by CKI Bot

**Baseline: rhel7 master:e26d7b454cc2**

```python
git_url = http://redacted.redhat.com/git/rhel7.git
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = rhel7
mail_to = redacted-list@redhat.com
mail_bcc = skt-results-redacted@redhat.com
mail_from = CKI Project <cki-project@redhat.com>
mail_add_maintainers_to = cc
require_manual_review = True
send_report_on_success = False
make_target = rpm
report_types = email
commit_hash = e26d7b454cc2a87f99966a80e32d953b353e1fa7
cki_pipeline_id = 4ad8925d43db8b23b89bce90a75be5d26fc2479d43c2e526c83adcd344dc33cc2
branch = master
name = rhel7
cki_pipeline_type = baseline
title = Baseline: rhel7 master:e26d7b454cc2
```
Commit 0396c481 authored 7 hours ago by CKI Bot

Stable queue: queue-5.2

```
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = upstream-stable
mail_to = Linux Stable maillist <stable@vger.kernel.org>
mail_from = CKI Project <cki-project@redhat.com>
min_commit_age = 3
cki_pipeline_type = stable_queue
branch = linux-5.2.y
queue_dir = queue-5.2
name = stable_queue_5.2
queue_commit_hash = 54831dad38d2931b5cf79f65539377730d838c81e
commit_hash = f7d5b3dc4792a5be0a4d6b8106a8f3eb20c3c24c
cki_pipeline_id = 7d45d164480a5e1db2b69c2520cb0853d01ce389db4ff653df1612777a5953448
make_target = tgz-pkg
title = Stable queue: queue-5.2
subject = Stable queue: queue-5.2
mail_bcc = skt-results-redacted@redhat.com
```
Patch: rhel77: [PATCH rhel7 5/5] Fix that thing

git_url = http://redacted.redhat.com/git/rhel7.git
branch = master
cki_project = CKI-project/cki-pipeline
cki_pipeline_branch = rhel7
mail_to = skt-results-redacted@redhat.com, dev1@redhat.com, dev2@redhat.com, qal@redhat.com
mail_from = skt-queue@redhat.com
report_types = email
patchwork_url = http://redacted.redhat.com
patchwork_project = rhel-77
cki_pipeline_type = patchwork
name = rhel77
commit_hash = 1fd9306e354e75524a35fd3fa5074826a2f03c44
skipped_series =
patch_urls = http://redacted.redhat.com/patch/1503902/mbox/
submitter = dev1@redhat.com
title = rhel77: [PATCH rhel7 5/5] Fix that thing
message_id = <86ef36e8772b0227253110c1b744dc8d65f4ed4.1566578011.git.dev1@redhat.com>
subject = Re: rhel77: [PATCH rhel7 5/5] Fix that thing
date = 2019-08-23T16:46:26
cover_letter = http://redacted.redhat.com/cover/1503898/mbox/
Commit 8a715b7e authored 17 hours ago by CKI Bot

Retrigger: test-kpet-db-c1c4f100

branch = linux-5.2.y
cki_pipeline_branch = upstream-stable
cki_pipeline_repo = 95c52e8f8f1be02f1d49c62240755e1758b1cf6a42b82e6c330e49ab30b5

require_mandatory_review = False
title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cee.redhat.com/cki-project/kpet-db/-/archive/c1c4f100/kp
mail_cc =
send_report_to_upstream = false
skip_beaker = false
send_pre_test_notification = False
subject = Retrigger: Baseline: stable linux-5.2.y:f7d5b3dc4792

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

This GitLab server is powered by CKI and love 😍
Commit 45eaf2e0 authored 18 hours ago by CKI Bot

Retrigger: test-kpet-db-c1c4f100

branch = master
cki_pipeline_branch = rhel7
cki_pipeline_id = fe33bd258b45025515a0f38d38ad442f660274f188ff58d

title = Retrigger: test-kpet-db-c1c4f100
kpet_db_targz_url = https://gitlab.cce.redhat.com/cki-project/kpet-db/-/archive/clc
mail_cc =
send_report_to_upstream = false
skip_beaker = false
send_pre_test_notification = False
subject = Retrigger: Baseline: rhel7 master:0e377d29627a
skip_rhcheckpatch = true
skip_build = true
skip_merge = true
skip_createrepo = true
ARTIFACT_URL_x86_64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline
ARTIFACT_URL_ppc64 = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
ARTIFACT_URL_ppc64le = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
ARTIFACT_URL_s390x = https://redacted.eng.rdu2.redhat.com/cki-project/cki-pipeline/
trees/rhel8-rt_brew.yml

prepare:
  extends: .prepare

createrepo x86_64:
  extends: .createrepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrepo x86_64

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
trees/rhel8-rt_brew.yml

```yaml
prepare:
  extends: .prepare

creatererepo x86_64:
  extends: .creatererepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - creatererepo x86_64

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
```
# These scripts prepare all of the software that the pipeline will use. No software should be downloaded or installed via pip outside of this pipeline step. This step is only present to ensure that it runs first before all other jobs and that it only runs one time per pipeline.

```yaml
prep: &prepare
  stage: prepare
  image: registry.gitlab.com/cki-project.containers/python:20200106.1
  script:
    - ls -alR software
  tags:
    - low
    - upshift-3.11
  only:
    - triggers
  except:
    variables:
      - $result_pipe == 'True'
  retry:
    max: 2
    when:
      - runner_system_failure
      - stuck_or_timeout_failure
      - unknown_failure
      - api_failure
```
# These scripts prepare all of the software that the pipeline will use. No software should be downloaded or installed via pip outside of this pipeline step. This step is only present to ensure that it runs first before all other jobs and that it only runs one time per pipeline.

```yaml
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  only:
    - triggers
  except:
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```yaml
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  only:
    - triggers
  except:
    - variables:
      - $result_pipe == 'True'
  retry:
    max: 2
    when:
      - runner_system_failure
      - stuck_or_timeout_failure
      - unknown_failure
      - api_failure
```
trees/rhel8-rt_brew.yml

prepare:
    extends: .prepare

createrepo x86_64:
    extends: .createrepo_x86_64
    dependencies:
    - prepare

setup x86_64:
    extends: .setup_x86_64
    variables:
        TREE_NAME: rhel8-rt
    dependencies:
    - createrepo x86_64

test x86_64:
    extends: .test_x86_64
    variables:
        PRETEST_NOTIFY: 1
    dependencies:
    - setup x86_64
trees/rhel8-rt_brew.yml

```yaml
prepare:
  extends: .prepare

createrepo x86_64:
  extends: .createrepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrepo x86_64

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
```
.createrepo_x86_64: &createrepo_x86_64
  <<: *createrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *createrepo_condition

.createrepo_x86_64_debug: &createrepo_x86_64_debug
  <<: *createrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *createrepo_condition

.createrepo_ppc64le: &createrepo_ppc64le
  <<: *createrepo_template
  variables:
    <<: *ppc64le_variables
    <<: *job_condition_ppc64le
    <<: *createrepo_condition

.createrepo_aarch64: &createrepo_aarch64
  <<: *createrepo_template
  variables:
    <<: *aarch64_variables
    <<: *job_condition_aarch64
    <<: *createrepo_condition
.createrepo_x86_64: &createrepo_x86_64
  <<: *createrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *createrepo_condition

.createrepo_x86_64_debug: &createrepo_x86_64_debug
  <<: *createrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *createrepo_condition

.createrepo_ppc64le: &createrepo_ppc64le
  <<: *createrepo_template
  variables:
    <<: *ppc64le_variables
    <<: *job_condition_ppc64le
    <<: *createrepo_condition

.createrepo_aarch64: &createrepo_aarch64
  <<: *createrepo_template
  variables:
    <<: *aarch64_variables
    <<: *job_condition_aarch64
    <<: *createrepo_condition
.creatorrepo_x86_64: &creatorrepo_x86_64
  <<: *creatorrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *creatorrepo_condition

.save_x86_64_debug: &save_x86_64_debug
  <<: *creatorrepo_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64
    <<: *creatorrepo_condition

.creatorrepo_ppc64le: &creatorrepo_ppc64le
  <<: *creatorrepo_template
  variables:
    <<: *ppc64le_variables
    <<: *job_condition_ppc64le
    <<: *creatorrepo_condition

.creatorrepo_aarch64: &creatorrepo_aarch64
  <<: *creatorrepo_template
  variables:
    <<: *aarch64_variables
    <<: *job_condition_aarch64
    <<: *creatorrepo_condition

cki_pipeline.yml
.createrepo: &createrepo_template
  stage: createrepo
  image: registry.gitlab.com/cki-project/containers/createrepo:20200106.1
  script:
    - |
      # Create a virtual environment for the createrepo job.
      virtualenv --python=/usr/bin/python3 createrepo-venv --no-download
      # Install software from the prepare step.
      createrepo-venv/bin/pip install --quiet \
        --no-index \
        --find-links ${WHEELHOUSE_DIR} \ 
        ${REPO_DIR}/cki-lib.tar
      kversion=(${nvr}/${package_name}-/ )
    - |
      rc_state_set kernel_type upstream
      if [[ ${skip_copr_repo:-} !="true" ]] ; then
        # Create a directory for downloading RPMs and a final repo with
        # only the RPMs we need (that will be artificated).
        TEMP_REPO=${CI_PROJECT_DIR}/temp_repo/\n        FINAL_REPO=${CI_PROJECT_DIR}/repo/\n        mkdir -p $TEMP_REPO $FINAL_REPO
        # Change to the temporary repository directory.
        cd $TEMP_REPO
      fi
      if [ -z ${copr_build:-} ]; then
        # There are connection issues to Brew/Koji at times. Attempt the
.create_repo: &create_repo_template
    stage: createrepo
    image: registry.gitlab.com/cki-project/containers/createrepo:20200106.1
    script:
        - |
            # Create a virtual environment for the createrepo job.
            virtualenv --python=/usr/bin/python3 createrepo-venv --no-download
            # Install software from the prepare step.
            createrepo-venv/bin/pip install --quiet \
                --no-index \ 
                --find-links ${WHEELHOUSE_DIR} \ 
                ${REPO_DIR}/cki-lib.tar
            kversion=${nvr}/${package_name}-- }
        - |
            rc_state_set kernel_type upstream
            if [[ ${skip_copr_repo:+} != "true" ]] ; then
                # Create a directory for downloading RPMs and a final repo with
                # only the RPMs we need (that will be artifacted).
                TEMP_REPO=${CI_PROJECT_DIR}/temp_repo/${kversion}.${ARCH_CONFIG}
                FINAL_REPO=${CI_PROJECT_DIR}/repo/${kversion}.${ARCH_CONFIG}
                mkdir -p $TEMP_REPO $FINAL_REPO
                # Change to the temporary repository directory.
                cd $TEMP_REPO
                if [ -z ${copr_build:+} ]; then
                    # There are connection issues to Brew/Koji at times. Attempt the
                    # download with the --no-https option if necessary.
                fi
            fi
cki_pipeline.yml

```yaml
ckppipeline: &creatererepo_template
  stage: createrepo
  image: registry.gitlab.com/cki-project/containers/createrepo:20200106.1
  script:
    - |
      # Create a virtual environment for the createrepo job.
      virtualenv --python=/usr/bin/python3 createrepo-venv --no-download
      # Install software from the prepare step.
      createrepo-venv/bin/pip install --quiet \
        --no-index \n        --find-links ${WHEELHOUSE_DIR} \n        ${REPO_DIR}/cki-lib.tar
      - kversion=${nvr}/${package_name}--
    - |
      rc_state_set kernel_type upstream
      if [[ ${skip_copr_repo:-} != "true" ]] ; then
        # Create a directory for downloading RPMs and a final repo with
        # only the RPMs we need (that will be artifacted).
        TEMP_REPO=${CI_PROJECT_DIR}/temp_repo/${kversion}.${ARCH_CONFIG}
        FINAL_REPO=${CI_PROJECT_DIR}/repo/${kversion}.${ARCH_CONFIG}
        mkdir -p $TEMP_REPO $FINAL_REPO
        # Change to the temporary repository directory.
        cd $TEMP_REPO
        if [ -z ${copr_build:-} ]; then
          # There are connection issues to Brew/Koji at times. Attempt the
          # upload in case any issues are present.
          $TEMP_REPO
        fi
```
trees/rhel8-rt_brew.yml

prepare:
  extends: .prepare

createrepo x86_64:
  extends: .createrpo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrepo x86_64

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
trees/rhel8-rt_brew.yml

prepare:
  extends: .prepare

createrrepo x86_64:
  extends: .createrrepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrrepo x86_64

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
# NOTE (mhayden): The `setup` stage allows us to potentially submit a job for testing in an external CI system while the normal CKI jobs run in the `test` stage.

```yaml
setup_template: &setup_template
  image: registry.gitlab.com/cki-project/containers/test:20200106.1
  stage: setup
  script:
    - test-download-artifacts
    - test-install-requirements
    - setup-generate-beaker-xml
    - setup-get-modified-files
    - test-targeted-test
  artifacts:
    when: always
    paths:
      - ./rc
      - "./*.xml"
      - ${TARGETED_TESTS_FILENAME}
    expire_in: 7 days
  tags:
    - xci30-docker
  retry:
    max: 2
    when:
      - runner_system_failure
      - stuck_or_timeout_failure
      - unknown_failure
      - api_failure
```
# NOTE (mhayden): The `setup` stage allows us to potentially submit a job for testing in an external CI system while the normal CKI jobs run in the `test` stage.

```yaml
setup_template: &setup_template
image: registry.gitlab.com/cki-project/containers/test:20200106.1
stage: setup
script:
  - *test-download-artifacts
  - *test-install-requirements
  - *setup-generate-beaker-xml
  - *setup-get-modified-files
  - *test-targeted-test

artifacts:
  when: always
paths:
  - .rc
  - "./*.xml"
  - ${TARGETED_TESTS_FILENAME}
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tags:
  - xci30-docker
retry:
  max: 2
  when:
    - runner_system_failure
    - stuck_or_timeout_failure
    - unknown_failure
    - api_failure
```
trees/rhel8-rt_brew.yml

```yaml
prepare:
  extends: prepare

createrepo x86_64:
  extends: createrepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrepo x86_64

test x86_64:
  extends: test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
```
trees/rhel8-rt_brew.yml

```yaml
prepare:
  extends: .prepare

createrepo x86_64:
  extends: .createrepo_x86_64
  dependencies:
    - prepare

setup x86_64:
  extends: .setup_x86_64
  variables:
    TREE_NAME: rhel8-rt
  dependencies:
    - createrepo x86_64

```

test x86_64:
  extends: .test_x86_64
  variables:
    PRETEST_NOTIFY: 1
  dependencies:
    - setup x86_64
cki_pipeline.yml

```yaml
# Test for x86_64 architecture
.test_x86_64: &test_x86_64
  <<: *test_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64

# Test for x86_64 with debug flags
.test_x86_64_debug: &test_x86_64_debug
  <<: *test_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64

# Test for ppc64le architecture
.test_ppc64le: &test_ppc64le
  <<: *test_template
  variables:
    <<: *ppc64le_variables
    <<: *job_condition_ppc64le

# Test for aarch64 architecture
.test_aarch64: &test_aarch64
  <<: *test_template
  variables:
    <<: *aarch64_variables
    <<: *job_condition_aarch64
```
cki_pipeline.yml

```yaml
.test_x86_64: &test_x86_64
  <<: *test_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64

.test_x86_64_debug: &test_x86_64_debug
  <<: *test_template
  variables:
    <<: *x86_64_variables
    <<: *job_condition_x86_64

.test_ppc64le: &test_ppc64le
  <<: *test_template
  variables:
    <<: *ppc64le_variables
    <<: *job_condition_ppc64le

.test_aarch64: &test_aarch64
  <<: *test_template
  variables:
    <<: *aarch64_variables
    <<: *job_condition_aarch64
```
WHY GITLAB FOR KERNEL CI?
WE STARTED OUT WITH JENKINS...
WHY NOT GITLAB?
<table>
<thead>
<tr>
<th>Test System States</th>
<th>GitLab Job States</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td>Created</td>
</tr>
<tr>
<td>Waiting</td>
<td>Pending</td>
</tr>
<tr>
<td>Running</td>
<td>Running</td>
</tr>
<tr>
<td>Pass</td>
<td>Success</td>
</tr>
<tr>
<td>Canceled</td>
<td>Canceled</td>
</tr>
<tr>
<td>Fail</td>
<td>Failed</td>
</tr>
<tr>
<td>Panic</td>
<td>Skipped</td>
</tr>
<tr>
<td>Skip</td>
<td></td>
</tr>
<tr>
<td>Test System States</td>
<td>GitLab Job States</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>New</td>
<td>Created</td>
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<tr>
<td>Waiting</td>
<td>Pending</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td>Canceled</td>
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</tr>
<tr>
<td>Fail</td>
<td>Failed</td>
</tr>
<tr>
<td>Panic</td>
<td>Skipped</td>
</tr>
<tr>
<td>Skip</td>
<td></td>
</tr>
</tbody>
</table>
**FIXED ARTIFACT STORAGE LOCATION**

- Results of merge, build, publish jobs
- at the moment: ~20GB/day
- no per-project configuration (S3 etc)

```
# du -sch 2020/01/*
...
6.2G   2020/01/2020_01_19
44G    2020/01/2020_01_20
50G    2020/01/2020_01_21
53G    2020/01/2020_01_22
22G    2020/01/2020_01_23
15G    2020/01/2020_01_24
2.3G   2020/01/2020_01_25
486G   total
```
Results of merge, build, publish jobs
- at the moment: ~20GB/day
- no per-project configuration (S3 etc)

```
# du -sch 2020/01/*
...
6.2G   2020/01/2020_01_19
44G    2020/01/2020_01_20
50G    2020/01/2020_01_21
53G    2020/01/2020_01_22
22G    2020/01/2020_01_23
15G    2020/01/2020_01_24
2.3G   2020/01/2020_01_25
486G   total
```
UPGRADES: NO RUNNING PIPELINES

#585532
upstream-st... →
9da6dba7
xci30-docker
triggered

#585531
upstream-st... →
9da6dba7
xci30-docker
triggered

#585530
upstream-st... →
9da6dba7
xci30-docker
triggered

#401436
by test
ppc64le
06:09:40
16 hours ago

#401436
test
aarch64
05:26:31
17 hours ago

#401436
test
x86_64
06:25:16
16 hours ago
## UPGRADES: NO RUNNING PIPELINES

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Status</th>
<th>Triggered By</th>
<th>Triggered</th>
<th>Test Target</th>
<th>Time</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>#585532</td>
<td>✅</td>
<td>xci30-docker</td>
<td>test</td>
<td>ppc64le</td>
<td>06:09:40</td>
<td>16 hours ago</td>
</tr>
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<td>✅</td>
<td>xci30-docker</td>
<td>test</td>
<td>aarch64</td>
<td>05:26:31</td>
<td>17 hours ago</td>
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<tr>
<td>#585530</td>
<td>✅</td>
<td>xci30-docker</td>
<td>test</td>
<td>x86_64</td>
<td>06:25:16</td>
<td>16 hours ago</td>
</tr>
</tbody>
</table>
### Limited Pipeline Customizations

**GitLab Docs** › **GitLab CI/CD** › **GitLab CI/CD environment variables** › Where variables can be used

<table>
<thead>
<tr>
<th>Definition</th>
<th>Can be expanded?</th>
<th>Expansion place</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>environment:url</code></td>
<td>yes</td>
<td>GitLab</td>
<td>The variable expansion is made by GitLab's internal variable expansion mechanism. Supported are all variables defined for a job (project/group variables, variables from <code>.gitlab-ci.yml</code>, variables from triggers, variables from pipeline schedules). Not supported are variables defined in Runner's <code>.config.toml</code> and variables created in job's <code>.script</code>.</td>
</tr>
<tr>
<td><code>environment:name</code></td>
<td>yes</td>
<td>GitLab</td>
<td>Similar to <code>environment:url</code>, but the variables expansion doesn't support the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Variables that are based on the environment's name (CI_ENVIRONMENT_NAME, CI_ENVIRONMENT_SLUG).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Any other variables related to environment (currently only CI_ENVIRONMENT_URL).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Persisted variables.</td>
</tr>
<tr>
<td><code>variables</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's internal variable expansion mechanism.</td>
</tr>
<tr>
<td><code>image</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's internal variable expansion mechanism.</td>
</tr>
<tr>
<td><code>services:[]</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's internal variable expansion mechanism.</td>
</tr>
<tr>
<td><code>services:[]:name</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's internal variable expansion mechanism.</td>
</tr>
<tr>
<td><code>cache:keys</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's internal variable expansion mechanism.</td>
</tr>
<tr>
<td><code>artifacts:name</code></td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner's shell environment.</td>
</tr>
<tr>
<td><code>script, before_script, after_script</code></td>
<td>yes</td>
<td>Script execution shell</td>
<td>The variable expansion is made by the execution shell environment.</td>
</tr>
<tr>
<td><code>only:variables:[]</code>, <code>except:variables:[]</code></td>
<td>no</td>
<td>n/a</td>
<td>The variable must be in the form of <code>$variable</code>. Not supported are the following:</td>
</tr>
<tr>
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<td>yes</td>
<td>Runner</td>
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<td>services:[]:name</td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner’s internal variable expansion mechanism.</td>
</tr>
<tr>
<td>cache:subpath</td>
<td>yes</td>
<td>Runner</td>
<td>The variable expansion is made by GitLab Runner’s internal variable expansion mechanism.</td>
</tr>
<tr>
<td>artifacts:name</td>
<td>yes</td>
<td>Runner</td>
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### KERNEL TESTS NEED REBOOTS

**R: 7854679** 1 of 2 recipes in **J: 4045560**

Started 3 hours ago and finished in 01:42:11.

**Using** RHEL-8.2.0-20191219.0 BaseOS x86_64 on hpe-dl380pgen8-02-vm-13.hpe2.lab.eng.bos.redhat.com.

**Pass** with 18 out of 18 tasks finished.

<table>
<thead>
<tr>
<th>Task ID</th>
<th>Duration</th>
<th>Command</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>T:105515915</td>
<td>+00:08:06</td>
<td>/distribution/check-install</td>
<td>1.0-2</td>
</tr>
<tr>
<td>T:105515916</td>
<td>+00:08:30</td>
<td>/test/misc/machineinfo</td>
<td></td>
</tr>
<tr>
<td>T:105515917</td>
<td>+00:08:41</td>
<td>/kernel/kdump/setup-nfsdump</td>
<td>1.2-20</td>
</tr>
<tr>
<td>T:105515918</td>
<td>+00:11:36</td>
<td>Boot test</td>
<td></td>
</tr>
<tr>
<td>TR:486259262</td>
<td>+00:13:12</td>
<td>/distribution/kpkginstall/kernel-in-place</td>
<td></td>
</tr>
<tr>
<td>TR:486259420</td>
<td>+00:14:14</td>
<td>/distribution/kpkginstall/reboot</td>
<td></td>
</tr>
</tbody>
</table>
# KERNEL TESTS NEED REBOOTS

**R: 7854679** 1 of 2 recipes in **J: 4045560**

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Using **RHEL-8.2.0-20191219.0 BaseOS x86_64** on **hpe-dl380pgen8-02-vm-13.hpe2.lab.eng.bos.redhat.com**.

---

**Installation** | **Tasks** | **Reservation**
--- | --- | ---

**Pass** with 18 out of 18 tasks finished.

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<th>Status</th>
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<td></td>
</tr>
</tbody>
</table>

---

**Results** | **Settings**
--- | ---

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<th>Duration</th>
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</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>TR: 486259420</td>
<td>+00:14:14</td>
<td>/distribution/kpkginstall/reboot</td>
</tr>
</tbody>
</table>
4119: SPURIOUS K8S JOB TERMINATIONS
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4119: SPURIOUS K8S JOB TERMINATIONS

Pipeline: Jobs 14, Failed Jobs 1

Merge
- merge
- build aarch64
- build ppc64le
- build x86_64

Build

9692 cache size 1.0 GB
9693 max cache size 3.0 GB
9694 Storing ccache...
9695 /builds/cki-project/cki-pipeline

9698 Uploading artifacts...

9699 WARNING: repo: no matching files
9700 WARNING: *.repo: no matching files
9701 /*.config: found 1 matching files
9702 /*.tar.*: found 1 matching files
9703 build.log: found 1 matching files
9704 rc: found 1 matching files
9705 Uploading artifacts to coordinator... ok

9707 Job succeeded
4119: SPURIOUS K8S JOB TERMINATIONS
4119: SPURIOUS K8S JOB TERMINATIONS

Pipeline Jobs: 14, Failed Jobs: 1

- Merge
  - merge
  - build aarch64
  - build ppc64le
  - build x86_64

- Build
  - build aarch64

- Build succeeded

- cache size: 1.3 GB
- max cache size: 3.0 GB
- Storing cache...
- /builds/cki-project/cki-pipeline
- Uploading artifacts...
- WARNING: repo: no matching files
- WARNING: *.repo: no matching files
- ./config: found 1 matching files
- ./tar.*: found 1 matching files
- build.log: found 1 matching files
- rc: found 1 matching files
- Uploading artifacts to coordinator... ok

Job succeeded
4119: SPURIOUS K8S JOB TERMINATIONS

Pipeline
- Jobs 15
- Failed Jobs 1

- Merge
  - merge ✓
  - build ppc64le ✓
  - build x86_64 ✓

- Build
  - build aarch64 ✓
  - build ppc64le ✓
  - build x86_64 ✓

- Publish
  - publish aarch64 ✓
  - publish ppc64le ✓
  - publish x86_64 ×

- Setup
  - setup aarch64
  - setup ppc64le
  - setup x86_64

- Test
  - test aarch64
  - test ppc64le
  - test x86_64
4119: SPURIOUS K8S JOB TERMINATIONS

```
$ # Compile the kernel into a tarball. # collapsed multi-line comment
    /builds/cki-project/cki-pipeline/workdir /builds/cki-project/cki-pipeline
    00:00:01 scripts/kconfig/conf --syncconfig Kconfig
    00:00:02 UPD include/config/kernel.release

   WARNING: repo: no matching files
   WARNING: *.repo: no matching files
   WARNING: ./*.config: no matching files
   ./*.tar.*: found 1 matching files
   build.log: found 1 matching files
   rc: found 1 matching files
   Uploading artifacts...
   Uploading artifacts to coordinator... ok
   job succeeded
```
3376: GRACEFUL SHUTDOWN FOR JOBS

- No supervision of external kernel tests after killing

At the moment we are simply killing the process group with SIGKILL and then ignore the result. Instead of doing this we should allow the process to gracefully shutdown by first sending SIGTERM and after a specific timeout send SIGKILL to the process. This will help with the processes being killed properly. We already have this implemented wit
3376: GRACEFUL SHUTDOWN FOR JOBS

- No supervision of external kernel tests after killing

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THANK YOU!

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Continuous Kernel Integration

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