

osstest

The Xen Project's CI system

Some interesting architectural features

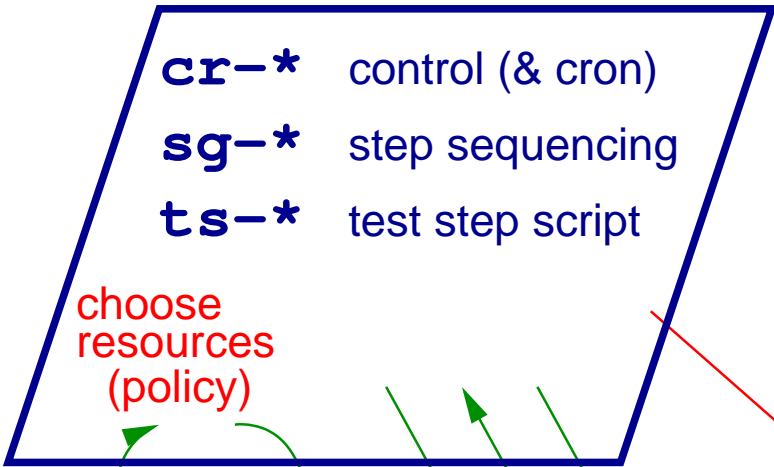
Xen Summit

Budapest 2017

Ian Jackson

Citrix

a harness instance



current resource plan

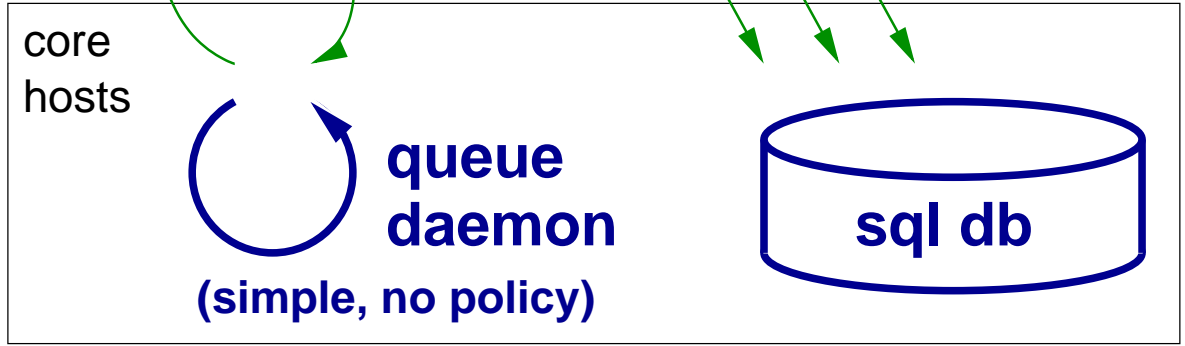
updated resource plan

test definition

then: test pool allocations

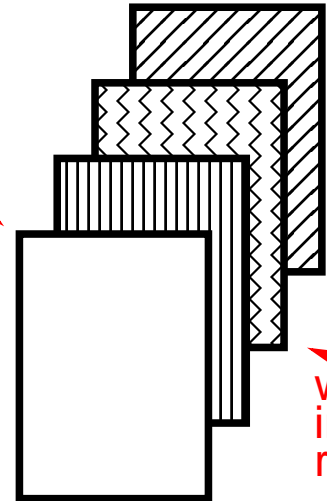
then: test results

resource planning



multiple harness instances & versions

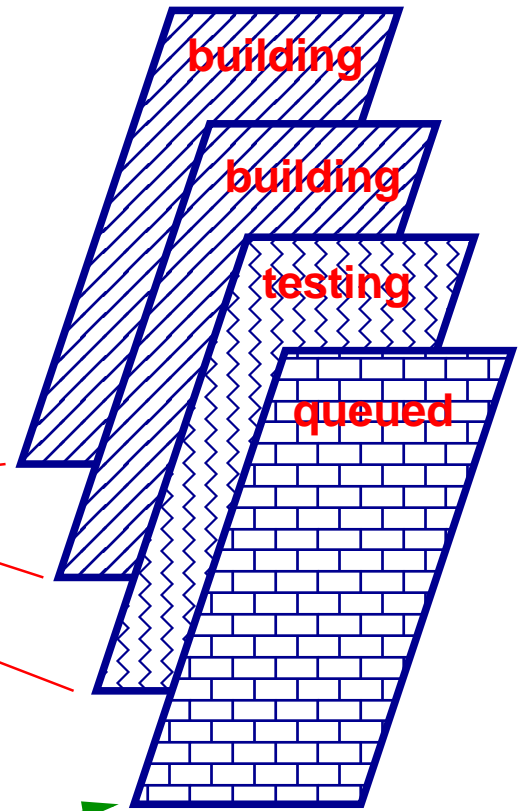
test resources (test boxes)



wipe
install
run tests

[wipe]
[setup]
build

wipe
install
run tests



colour key:
hardware
running software
data flow
actions

From: osstest service owner <osstest-admin@xenproject.org>
 To: <xen-devel@lists.xenproject.org>, <osstest-admin@xenproject.org>
 Subject: [xen-4.6-testing test] 110386: tolerable FAIL - PUSHED
 Date: Tue, 13 Jun 2017 13:59:44 +0000

flight 110386 xen-4.6-testing real [real]
<http://logs.test-lab.xenproject.org/osstest/logs/110386/>

Failures :-/ but no regressions.

Tests which did not succeed, but are not blocking:

```

test-xtf-amd64-amd64-5      45 xtf/test-hvm64-lbr-tsx-vmentry fail like 110183
test-xtf-amd64-amd64-1      45 xtf/test-hvm64-lbr-tsx-vmentry fail like 110249
test-armhf-armhf-libvirt-xsm 13 saverestore-support-check fail like 110249
test-armhf-armhf-libvirt    13 saverestore-support-check fail like 110249
test-armhf-armhf-xl-rtds    15 guest-start/debian.repeat fail like 110249
test-amd64-amd64-xl-qemut-win7-amd64 16 guest-stop fail like 110249
test-amd64-amd64-xl-qemu-win7-amd64 16 guest-stop fail like 110249
test-armhf-armhf-libvirt-raw 12 saverestore-support-check fail like 110249
test-amd64-i386-xl-qemu-win7-amd64 16 guest-stop fail like 110249
test-amd64-i386-xl-qemut-win7-amd64 16 guest-stop fail like 110249
test-xtf-amd64-amd64-3      65 xtf/test-pv32pae-xsa-194 fail never pass
test-xtf-amd64-amd64-4      65 xtf/test-pv32pae-xsa-194 fail never pass

```

test-amd64-amd64-libvirt-qemu-debianhvm-amd64-xsm (all branches)

started	flight	branch	failure	host	osstest	libvirt (libvirt)	libvirt_gnulib (libvirt)	linux (kernel)
2017-07-07 02:01:13 Z	111514	xen-4.6-testing	[pass]	huxelrebel	4802ec8d12da	eac167e2610d	246b3b28808e	b65f2f457c
2017-07-06 21:24:56 Z	111506	xen-unstable	[pass]	huxelrebel	4802ec8d12da	b771263182b8	ce4ee4cbb596	b65f2f457c
2017-07-06 17:19:53 Z	111493	linux-linus	[pass]	merlot1	4802ec8d12da	b771263182b8	ce4ee4cbb596	9ced560b82
2017-07-06 16:46:21 Z	111492	xen-4.6-testing	[pass]	godello0	4802ec8d12da	eac167e2610d	246b3b28808e	b65f2f457c
2017-07-06 16:41:07 Z	111491	linux-3.18	[pass]	merlot1	4802ec8d12da	b771263182b8	ce4ee4cbb596	8686d7d2e9
2017-07-06 11:14:43 Z	111475	qemu-mainline	[pass]	merlot0	4802ec8d12da	b771263182b8	ce4ee4cbb596	b65f2f457c

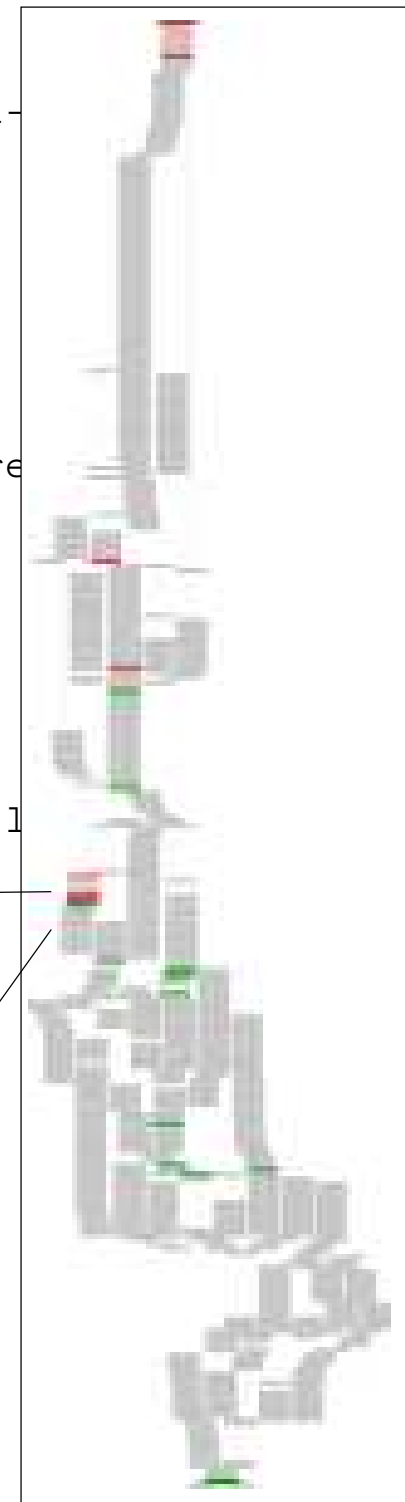
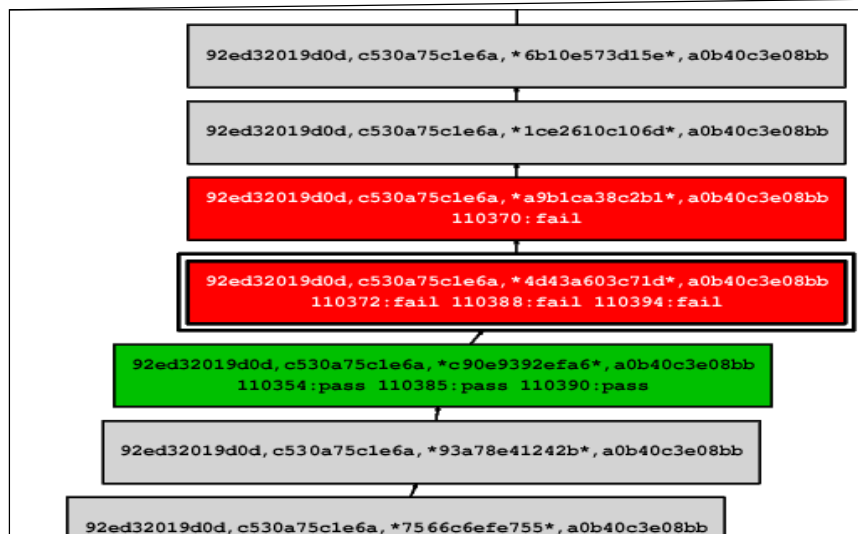
Subject: [qemu-mainline bisection] complete test-armhf-armhf-xl-
Date: Tue, 13 Jun 2017 04:32:14 GMT

branch xen-unstable
xenbranch xen-unstable
job test-armhf-armhf-xl-vhd
testid guest-start

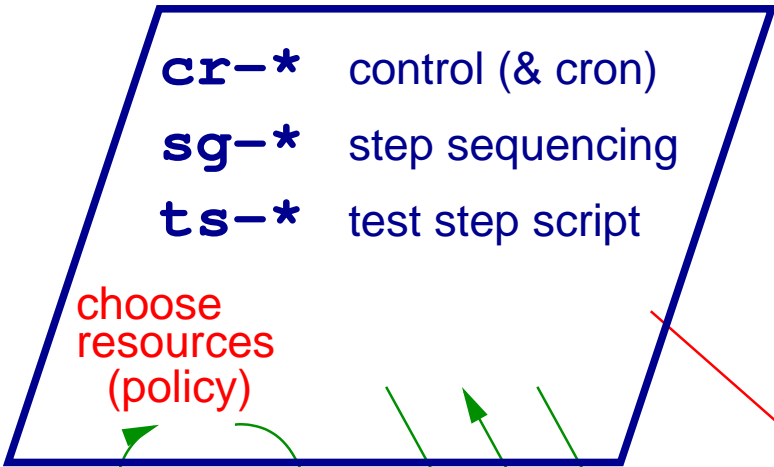
Tree: linux git://xenbits.xen.org/linux-pvops.git
Tree: linuxfirmware git://xenbits.xen.org/osstest/linux-firmware
Tree: qemu git://git.qemu.org/qemu.git
Tree: xen git://xenbits.xen.org/xen.git

*** Found and reproduced problem changeset ***

Bug is in tree: qemu git://git.qemu.org/qemu.git
Bug introduced: 4d43a603c71d0eb92534bc82b72933f329d8a64c
Bug not present: c90e9392efa6579e714fe9aa2993e7d89e3792dc
Last fail repro: <http://logs.test-lab.xenproject.org/osstest/>



a harness instance



current resource plan

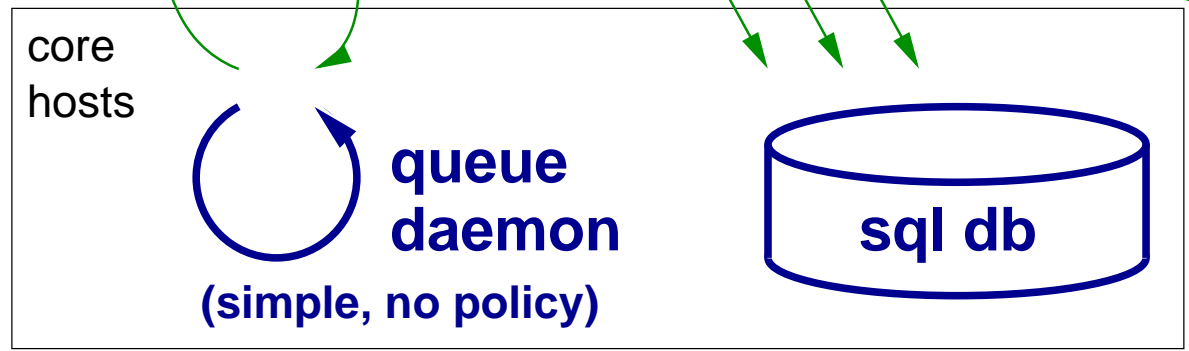
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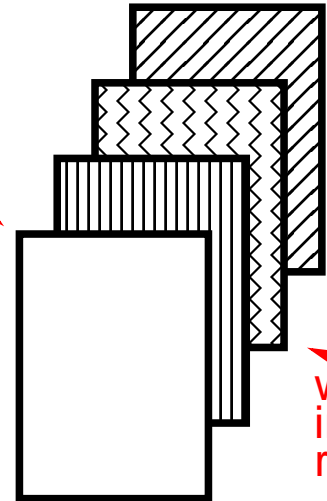
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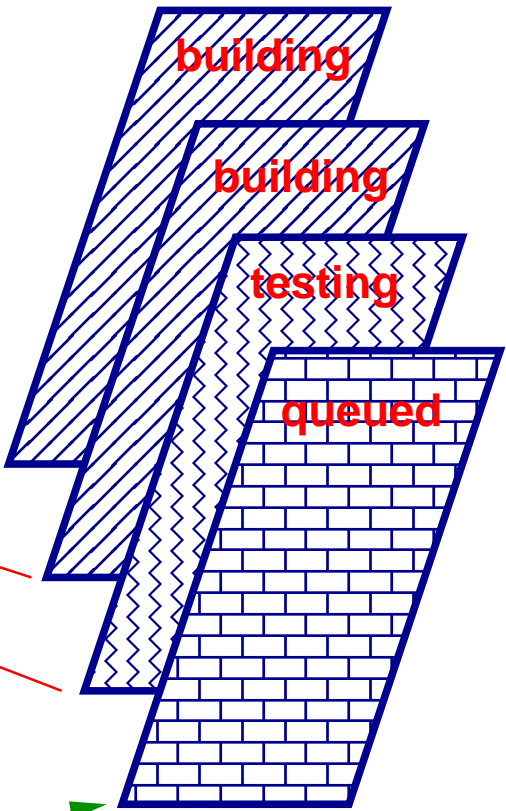
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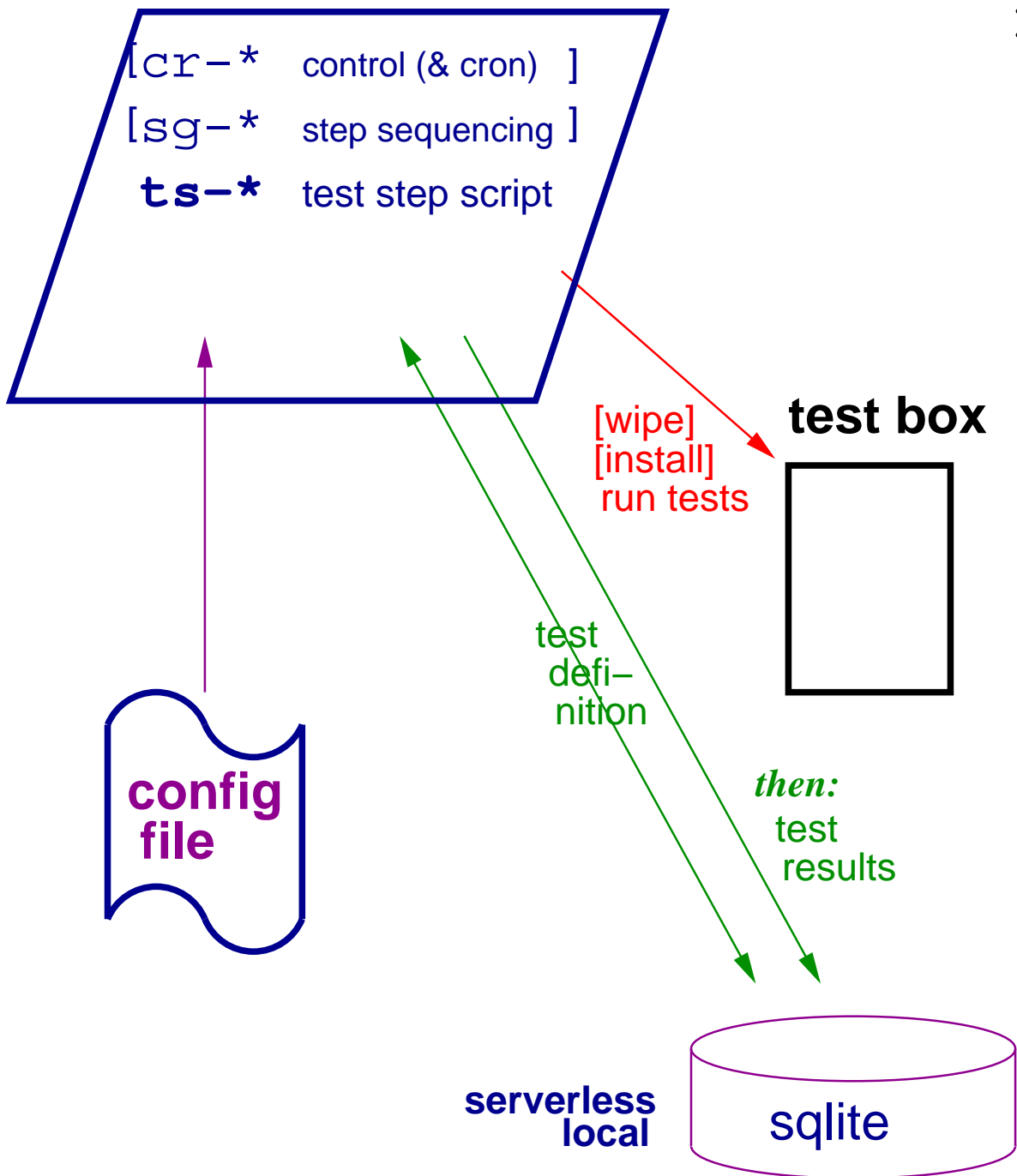
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colour key:
hardware
running software
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an osstest git working tree



README

```
...  
Standalone Mode  
=====
```

To run osstest in standalone mode:

- You need to install
sqlite3
tcl8.5 tclx8.4 libsqlite3-tcl
libdbi-perl libdbd-sqlite3-perl
pax rsync
curl
netcat
chiark-utils-bin
libxml-libxml-perl
dctrl-tools
- Optional:
ipmitool -- for hosts which use
grub-common -- for mg-netgrub-lo
- Write a config file
~/xen-osstest/config
See below.
- Select the "branch" and job to rep
gives you the "branch" consisting
push gate. You need to select a j
is that shown in the publicly emai
<http://lists.xen.org/archives/ht>

If you don't want to repro one of
choose a job, choose one of
test-amd64-{i386,amd64}-xl

- Run ./standalone-reset

```
...
```

questions?

**of course, contributions to osstest are very welcome
add tests for your favourite feature
to stop the developers breaking it :-)**

co-maintainer(s) wanted!

**`https://xenbits.xenproject.org/
/gitweb/?p=osstest.git;a=blob;f=README`**

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IRC: Diziet (Freenode and OFTC)