



connect

San Francisco 2015

SFO15-409: Introduction to QA reports

Presented by

Milosz Wasilewski

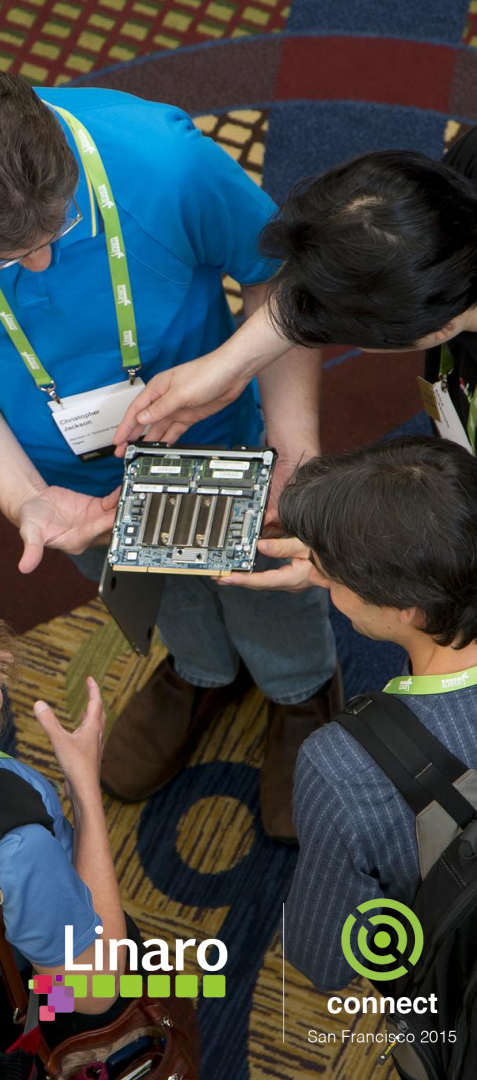
Milosz Wasilewski

Date

Thursday 24 September 2015

Event

SFO15



Overview

Presentation of testing results

Sources of test results

Manual testing

Reporting

Known issues recognition

Presentation of testing results

- Overall status for all builds (dashboard)
- 3 states
 - green
 - yellow
 - red
- Result grouping
- Data backend

Presentation of testing results cont.

- Overall status for all builds (dashboard)

Home milosz.wasilewski@linaro.org Logout

#	project name	build status	timestamp	boot status	test status	groups
15	linux-linaro-stable-lsk-v3.18	GREEN	July 6, 2015, 5:28 p.m.	GREEN	RED	<input type="button" value="LSK"/>
None	linux-linaro-stable-lsk-v3.18-rt	None	None	None	None	<input type="button" value="LSK"/>

Presentation of testing results cont.

- 3 state status (red/yellow/green)

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milosz.wasilewski@linaro.org

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#	project name	configuration	build status	timestamp	boot status	test status
15	linux-linaro-stable-lsk-v3.18	hwpack=arndale,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	GREEN	RED
15	linux-linaro-stable-lsk-v3.18	hwpack=beaglebone,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	GREEN	RED
15	linux-linaro-stable-lsk-v3.18	hwpack=mustang,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	GREEN	N/A
15	linux-linaro-stable-lsk-v3.18	hwpack=panda,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	GREEN	GREEN
15	linux-linaro-stable-lsk-v3.18	hwpack=vexpress64-be,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	N/A	N/A
15	linux-linaro-stable-lsk-v3.18	hwpack=vexpress64,label=linaro-kernel-ci	GREEN	July 6, 2015, 5:28 p.m.	GREEN	RED



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San Francisco 2015

Presentation of testing results cont.

linux-linaro-stable-lsk-v3.18

15 hwpack=arndale,label=linaro-kernel-ci

version

6a47a12fee7d1e842369798dc8134759561d5e75

arch

arm

branch

refs/heads/linux-linaro-lsk-v3.18

repository

git://git.linaro.org/kernel/linux-linaro-stable.git

endian

little

- 3 state status (red/yellow/green)


Boot results

test job	test job status	board	boot status	boot time	attempts	reason	fetch method
https://validation.linaro.org/scheduler/job/425239	Complete	arndale03	GREEN	None	6		manual

Test results

^ <https://validation.linaro.org/scheduler/job/425239> (Complete)

executed: 40 passed 35 failed: 3

test name	parameters	test status	reason	executed	passed	failed	fetch method	comment
ubuntu/gator-data-streaming-ubuntu.yaml		GREEN		4	4	0	manual	Comment
ubuntu/openssl.yaml		GREEN		21	21	0	manual	Comment
ubuntu/pwrmgmt.yaml		YELLOW	lava-test-shell-install	1	0	1	manual	Comment 
ubuntu/rcutorture.yaml		RED	rcutorture-start,lava-test-shell-run	4	0	2	manual	Comment
ubuntu/sd-mmc-ubuntu.yaml		GREEN		3	3	0	manual	Comment
ubuntu/smoke-tests-basic.yaml		GREEN		7	7	0	manual	Comment



connect

San Francisco 2015

Presentation of testing results cont.

- result grouping

Boot results

test job	test job status	board	boot status	boot time	attempts	reason	fetch method
https://validation.linaro.org/scheduler/job/407603	Incomplete	rtsm_fvp_base-aemv8a_04	RED	None	0	No boot attempts found	automatic
https://validation.linaro.org/scheduler/job/407604	Complete	juno-09	GREEN	None	33		automatic
https://validation.linaro.org/scheduler/job/407605	Complete	juno-04	GREEN	None	33		automatic
https://validation.linaro.org/scheduler/job/407606	Incomplete	juno-08	RED	None	0	No boot attempts found	automatic

Test results

▼ <https://validation.linaro.org/scheduler/job/407603> (Incomplete) **executed: 0 passed 0 failed: 0**

▼ <https://validation.linaro.org/scheduler/job/407604> (Complete) **executed: 1326 passed 1285 failed: 37**

▼ <https://validation.linaro.org/scheduler/job/407605> (Complete) **executed: 1357 passed 1310 failed: 42**



Sources of test results

- Automated tests:
 - LAVA
 - Pyboot
 - Jenkins
 - ...
- Manual tests

Manual testing

- Work in progress
 - Viewing test cases
 - Preparing test plans
 - Test execution

Reporting

- Proposals/ideas:
 - Release reporting
 - Trend graphing

Known issues/defects recognition

- Similar results comparison
 - UI based
 - email notification
- Manual monitoring
- Automated monitoring