

Creating new workload for Workload Automation...

...and using it in LAVA

Presented by

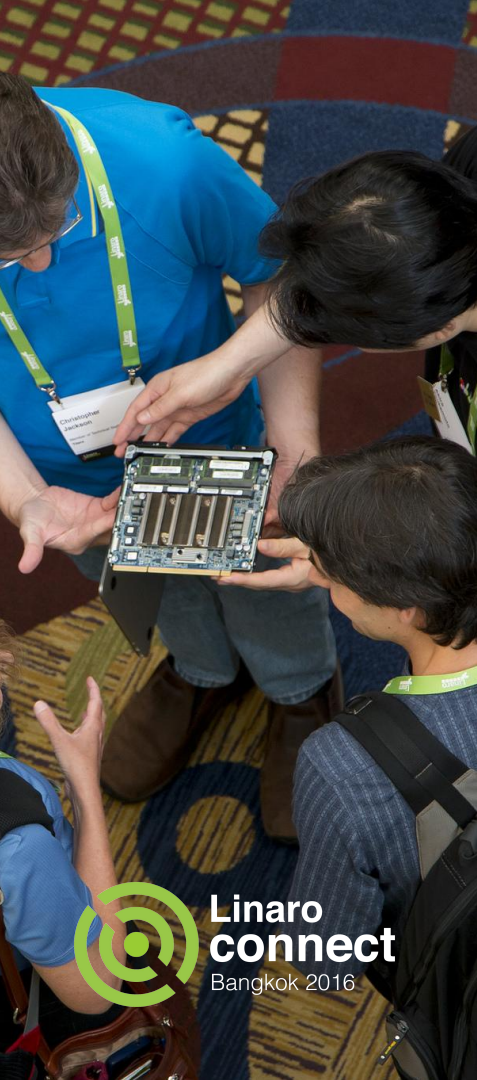
Milosz Wasilewski
Chase Qi

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Event

Linaro Connect BKK16



Agenda

- Workload Automation - quick overview
- Workloads: Linux and Android
- Creating new workload
- Using WA in LAVA



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Workload Automation

- Architecture
 - target (hardware abstraction)
 - workloads
 - result processors
 - resources

Available workloads

Linux

- cyclictst
- dhrystone
- ebizzy
- hackbench
- idle
- linpack-cli
- lmbench
- manual
- rt-app
- shellscrip
- spec2000
- stream
- sysbench

Android

- andebench
- androbench
- angrybirds
- angrybirds_rio
- anomaly2
- antutu
- applaunch
- audio
- bbench
- benchmarkpi
- caffeinemark
- cameracapture
- camerarecord
- castlebuilder
- castlemaster
- cfbench
- citadel
- dex2oat
- dungeonddefenders
- facebook
- geekbench
- glbenchmark
- homescreen
- ironman3
- crazykart
- linpack
- nenamark
- quadrant
- ...

Creating new workload (design)

- what is the target (AOSP or Linux)
 - shells are different
 - connection might be important
- host only, or host/target setup
 - tools need to be available
 -
- only foreground or background task involved

Creating new workload (`__init__.py`)

- setup and teardown
- workload execution
- workload parameters

Creating new workload (template)

- linux workload
- jinja2 templates used
- available variables
-

Creating new workload (UI automation)

- aosp workload
- UIAutomator scripts
-

WA in LAVA

- host/target architecture
 - host test
 - target test
 - synchronization
- available agenda files
- ways to extend and add new scenarios

Questions?

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