

# AOSP builds of Linaro with CI v2

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Introduction to CI v2 for AOSP  
builds.

A person in a blue shirt is holding a circuit board and showing it to two other people. They are all wearing lanyards with badges. The background is a patterned carpet.

# Abstract

There has been changes on how we have been doing **AOSP** development in Linaro – It has changed from **daily builds** to **commit based** builds.

The session will give an overview on how we can do all the builds on `ci.1.o` that we did on `android-build.1.o`.

# Why

- Consolidation
- Consistency
- Ease of maintenance

# Migration to ci.l.o

- 514 jobs on a-b.l.o
- Only 43 active jobs
- Mainly ART & LCR

# Architecture

- Jenkins & jenkins-job-builder
- Git: ci/job/configs
- Git: android-build-configs
- Gerrit Server: triggers
- Snapshots
- LAVA

# Moving Parts

- \$BUILD\_CONFIG\_FILENAME
  - Git: manifest
  - Git: local\_manifests
- Git: android-build-configs
- Git: test-plans

# Example

- Docker slave
- Install needed packages
- Install linaro-image-tools
- Set local configuration
- Download Android/Linaro helpers
- Download Android build scripts/config

## Example (cont.)

- Define Android build configuration
- Build Android
- Publish binaries
- Set post-build LAVA parameters



# A new build

- Define manifest and local\_manifests
- Craft android-build-configs file
- Create build via ci/job/configs file