AOSP builds of Linaro with CI v2

Introduction to CI v2 for AOSP builds.
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.l.o that we did on android-build.l.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