



LFN Developer & Testing Forum

ODL: Whither Autorelease?

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Agenda

- Autorelease overview
- Circumstances changed
- Leftover projects
- Future
- Challenges
- Discussion

Autorelease overview

- Created in January 2015, 22 projects
- Solves one problem: version bumps
- Equivalent of 'maven-stage' job
- Release performed by LFN staff
- Fragile, requires additional cross-project validation

The world has changed

- “ODL distribution” is pretty much dead
- Shift to single-purpose assemblies
 - Libraries are on Maven Central
 - Use-case-specific artifacts with fixed wiring
 - Docker/Helm/etc.

OpenDaylight has changed

- Projects went unmaintained and dead
- 8 MRI, 7 MSI, 2 SM projects
- MSI are a minority with no contributors
- Few contributors overall
- Version bumps are easy now

Execution time

- 6-8 hours originally (with SFT)
- 109-117 minutes on stable/aluminium
- 72-80 minutes on stable/silicon
- 46-55 minutes on master (Phosphorus)

Leftover projects

- OpenFlow world
 - ServiceUtils, OpenFlowPlugin, OSVDB
- DAEXIM
- JSONRPC
- LISP Flow Mapping
- Neutron

Other interactions

- Builds “managed” integration/distribution
- Triggers daily CSIT
- Bespoke manual cross-project release

- All projects become Self Managed
 - Harder on MSI projects due to no slacking
 - Easier for TransportPCE
- Dissolve autorelease
- int/dist maven-stage replaces it

Challenges

- integration/test is monolithic
 - Challenges in test suite maintenance
- All of CSIT runs against int/dist
 - Cannot currently run against project-provided distribution
- More automation needed
 - “bump upstreams & release” job

Discussion

- Questions?
- Ideas?
- Cookies?



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