Disclaimer
Contributor recognition

- Thanks to all Integration contributors
- External code contributions (unless stated otherwise)
Motivation
Use case

- Specific subset of components
- Specific deployment environment
- Verification procedures development
- Decrease verification overhead
- Transfer responsibilities
- Increase *bus factor* (with proper maintenance and automation)
Resources

- More time for feature development
- Improved lab utilization
  - Possibly smaller instance sets
  - *After-hours* long-running tests
Walkthrough
Prerequisites

- Cloud provider/on-premises
- Infrastructure setup
- ONAP deployment
- Test procedures
Infrastructure

- https://docs.onap.org/en/latest/submodules/oom.git/docs/oom_setup_kubernetes_rancher.html
- https://git.onap.org/integration/tree/deployment
  - AKS
  - OpenStack (currently: with Heat)
ONAP deployment

- https://docs.onap.org/en/latest/submodules/oom.git/docs/oom_quickstart_guide.html
- https://gitlab.com/Orange-OpenSource/lfn/onap/onap_oom_automatic_installation
Test procedures

- https://pypi.org/project/xtesting
- https://gitlab.com/Orange-OpenSource/lfn/onap/integration/xtesting
Case study
Overview

- On-premises OpenStack (no Heat)
- ONAP components subset
- Security tests
## Infrastructure setup

### Virtualized staging environment

- https://git.onap.org/integration/tree/bootstrap/vagrant-minimal-onap
- https://gerrit.onap.org/r/c/integration/+/109250 (and later)
## Component subsets

- [https://git.onap.org/oom/tree/kubernetes/onap/resources/environments/core-onap.yaml](https://git.onap.org/oom/tree/kubernetes/onap/resources/environments/core-onap.yaml)
- [https://git.onap.org/oom/tree/kubernetes/onap/resources/overrides/sm-onap.yaml](https://git.onap.org/oom/tree/kubernetes/onap/resources/overrides/sm-onap.yaml)
### Test procedures

#### Security checks

- [https://git.onap.org/integration/tree/test/security](https://git.onap.org/integration/tree/test/security)
- [https://gitlab.com/Orange-OpenSource/lfn/onap/integration/xtesting/-/commit/e6b4b78ae0f1b40ac09b2f093a56442fbd2f7ec1](https://gitlab.com/Orange-OpenSource/lfn/onap/integration/xtesting/-/commit/e6b4b78ae0f1b40ac09b2f093a56442fbd2f7ec1)
Summary
Outcome

- Most work already done
- Detailed documentation available
- Local development/staging environment
Future work

- Complete review
- Share collected results
- **Stretch goal**: on-demand lab setup
Thank you!

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