

OpenStack QA Project Overview and Update

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<https://github.com/afrittoli/qa-project-update>



QUALITY ASSURANCE

an OpenStack Community Project

OpenStack QA Overview



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What is OpenStack QA?

- ▶ Official Mission Statement:
Develop, maintain, and initiate tools and plans to ensure the upstream stability and quality of OpenStack, and its release readiness at any point during the release cycle.

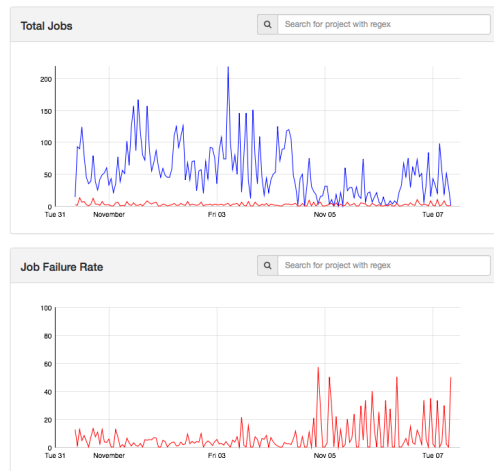
Current QA Projects

- ▶ devstack
- ▶ devstack-tools
- ▶ tempest
- ▶ patrole
- ▶ grenade
- ▶ hacking
- ▶ bashate
- ▶ eslint-config-openstack
- ▶ openstack-health dashboard
- ▶ stackviz
- ▶ os-testr
- ▶ devstack-plugin-cookiecutter
- ▶ tempest-plugin-cookiecutter
- ▶ os-performance-tools
- ▶ devstack-plugin-ceph
- ▶ devstack-vagrant

Things we do

- ▶ Community driven approach to QA
- ▶ Serve the OpenStack community
- ▶ Drive testing best practices
- ▶ Maintain test tools and frameworks
- ▶ Keep the gate running smoothly
- ▶ Support interoperability testing efforts

OpenStack Health is a dashboard for visualizing test results of OpenStack CI jobs.



Updates from Queens



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Tempest

- ▶ Several Tempest APIs are now stable
 - ▶ Credential providers
 - ▶ Service clients
 - ▶ Test base class (for plugins)
- ▶ Scenario code cleanup

Tempest Plugins Goal

- ▶ <https://governance.openstack.org/tc/goals/queens/split-tempest-plugins.html>
- ▶ <https://docs.openstack.org/tempest/latest/plugin-registry.html>

Test Runners

- ▶ stestr: <http://stestr.readthedocs.io/en/latest/>
- ▶ os-testr
- ▶ tempest

ZuulV3 Related Work

- ▶ Devstack base job in Devstack Repo - WIP
- ▶ Tempest base job in Tempest Repo - WIP
- ▶ Grenade base job TBD
- ▶ Keep OpenStack Health working

Patrole

- ▶ Multi policy testing - WIP

Community

- ▶ QA Office Hours
- ▶ Bug triage czar

Queens, Rocky and forward



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Priorities

- ▶ Tempes plugins: goal support
- ▶ Complete Zuulv3 Base Jobs
- ▶ Monitor gate performance over time
- ▶ Mentor new contributors
- ▶ Synergies with other communities

Questions?