Oracle Public Cloud DevOps Practice
OpenStack CI/CD Infrastructure

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Topics

• Introduce the OpenStack CI
  - OpenStack Workflow and tools
  - OpenStack infrastructure
• Oracle Public Cloud DevOps development
  - Problems we faced in Oracle Cloud China DC DevOps
  - How OpenStack workflow and tools used in our DevOps
OpenStack workflow
OpenStack Infrastructure

Zuul V3

- Github mirror git.openstack.org mirror
- Git repository
- Gerrit code review
- Local changes submitted via git-review
- pipy mirrors & other semi-privileged servers
- Ubuntu, Fedora, CentOS & devstack slaves
Problems we faced in Oracle Cloud China DC DevOps

• Hard to manage the DevOps development code
• No standard workflow for DevOps development
• Rapid changes of Oracle Public Cloud components
How OpenStack workflow and tools used in our DevOps

- DevOps Engineers
- Git
- Gerrit
- Zuul
- Jenkins
- Jenkins Job Builder
- Managed Host

- patch
- merge
- schedule and report
- trigger jobs

- automated jobs

- run jobs

- Test Hosts
- Stage Hosts
- Production Hosts
How OpenStack workflow and tools used in our DevOps

• Tools we use
  • Git
  • Gerrit
  • Zuul
  • Jenkins (jenkins-job-builder)
  • Ansible (next)
  • Terraform (next)

• http://docs.openstack.org/infra/openstackci/
Questions

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