Havana

An early retrospective

Thierry Carrez (@tcarrez)
Release Manager, OpenStack

openstack™

Release management

- Integrated projects
- Common release schedule
- Managing the cycle
- Extracting roadmaps
- Improving development processes

Havana cycle: the numbers

- 6 months
- 2 new integrated projects
- 399 implemented blueprints
- 14000+ commits
- 750+ authors

Technical committee

- Incubation/Core update process
- Created the « integrated » concept
- No more PTL seats
- Moving to gerrit-driven governance
- Created to « programs » concept

OpenStack programs

- Teams around integrated projects
- Common libraries (Oslo)
- Infrastructure
- QA
- Documentation
- Devstack
- TripleO
- Release cycle management

Oslo

- New oslo.messaging library
- Convergence on oslo.db
- pbr, hacking, oslo.version, oslo.sphinx...

Keystone

- Separation of authZ and authN data
- More granular RBAC policy rules
- Caching of data in a key-value store

Ceilometer

- Now part of the common release !
- Alarming
- Users can post their own metrics
- API extensions (group-by, limits...)

Swift

- Global clusters support :
  - Multi-region replication on dedicated network
  - Read/write affinity
- Performance improvements

Glance

- Ability for groups to modify properties
- Multiple image locations
- Cinder / Sheepdog / GridFS storage

Neutron (new Quantum)

- 88 blueprints
- Modular layer 2
- Firewall as a service
- VPN as a service

Cinder

- Drivers :
  - Dell Equalogic, VMWare VMDK, Plain block device
  - HDS HUS, Huawei HVS, NexentaStor...
- Read-only volumes
- Refactoring of iSCSI/FC & NetApp code

Nova

- 96 blueprints !
- Progress toward live rolling upgrades
- Improved Cells support
- Improved Cinder integration

Heat

Horizon

- Support for multiple API versions
- Support for Keystone v3 domains, roles
- UI for Ceilometer, Heat, FWaas, VPNaas

Coming up in Icehouse: Trove

- previously-codenamed RedDwarf
- Database provisioning as a service
- Create DB, push schemas and users
- Currently supports MySQL

New projects in incubation

- Ironic : baremetal deployment
- Marconi : queue as a service
- Savanna : data processing (Hadoop)

Thank you !

thierry@openstack.org
http://fnords.wordpress.com
@tcarrez on 🐦

ttx on ⚛ freenode IRC

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