OpenStack

Client tools

CLIs
- OpenStackClient

SDKs
- Python SDK

integration enablers

container services
- Kuryr

NFV
- Tacker

OpenStack

Web Frontend
- Horizon

API PROXIES
- EC2API

workload provisioning
- Magnum, Trove, Sahara

APPLICATION LIFECYCLE
- Murano, Freezer, Solum, Masakari

orchestration
- Heat, Mistral, Aodh, Senlin, Zaqar, Blazar

COMPUTE
- VIRTUAL MACHINES: Nova
- CONTAINERS: Zun

storage
- object: Swift
- BLOCK: Cinder
- file: Manila

Networking
- SDN: Neutron
- Load Balancing: Octavia
- DNS: Designate

HARDWARE lifecycle
- bare metal: Ironic
- Accelerators: Cyborg

SHARED services
- IDENTITY: Keystone
- scheduling: Placement
- images: Glance
- secrets: Barbican

operations Tooling

monitoring services
- Ceilometer, Monasca, Venus

resource optimization
- Watcher, Vitrage

billing / business logic
- Adjutant, CloudKitty

Testing / benchmark
- Tempest, Patrole, Rally

Lifecycle Management

Deployment / Lifecycle tools
- Kolla-Ansible, OpenStack-Charms, TripleO, Bifrost, Kayobe, OpenStack-Helm, OpenStack-Ansible, OpenStack-Chef

packaging recipes for...
- Puppet
- Containers (LOCI, Kolla)

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