OpenStack Victoria Projects

This page contains project-specific documentation for OpenStack services and libraries.

⚙ OpenStack Services

Accelerator Life Cycle Management (cyborg) (/cyborg/victoria/)

Application Catalog service (murano) (/murano/victoria/)

Bare Metal service (ironic) (/ironic/victoria/)

Block Storage service (cinder) (/cinder/victoria/)

Bridge between container framework and OpenStack abstractions (kuryr) (/kuryr/victoria/)

Clustering service (senlin) (/senlin/victoria/)

Compute inside Object Storage service (storlets) (/storlets/victoria/)

Compute service (nova) (/nova/victoria/)

Container Infrastructure Management service (magnum) (/magnum/victoria/)

Containers service (zun) (/zun/victoria/)

Dashboard (horizon) (/horizon/victoria/)

Data Processing service (sahara) (/sahara/victoria/)

Database service (trove) (/trove/victoria/)

DNS service (designate) (/designate/victoria/)

EC2 API compatibility layer (ec2-api) (/ec2-api/victoria/)

Function as a Service for OpenStack (qinling) (/qinling/victoria/)

Identity service (keystone) (/keystone/victoria/)

Image service (glance) (/glance/victoria/)

Infrastructure Optimization service (watcher) (/watcher/victoria/)

Instances High Availability Service (masakari) (/masakari/victoria/)

Key Manager service (barbican) (/barbican/victoria/)

Load-balancer service (octavia) (/octavia/victoria/)

Networking service (neutron) (/neutron/victoria/)

NFV Orchestration service (tacker) (/tacker/victoria/)

Object Storage service (swift) (/swift/victoria/)

Orchestration service (heat) (/heat/victoria/)

Rating service (cloudkitty) (/cloudkitty/victoria/)

RCA (Root Cause Analysis) service (vitrage) (/vitrage/victoria/)

Resource reservation service (blazar) (/blazar/victoria/)

Shared File Systems service (manila) (/manila/victoria/)

Software Development Lifecycle Automation service (solum) (/solum/victoria/)

Telemetry Alarming services (aodh) (/aodh/victoria/)

Telemetry Data Collection service (ceilometer) (/ceilometer/victoria/)

Telemetry Event service (panko) (/panko/victoria/)

Workflow service (mistral) (/mistral/victoria/)

⚙ Bare Metal Sub Projects

Ansible roles and playbooks to enable a standalone Ironic install (bifrost) (/bifrost/victoria/)

Bare Metal Introspection service (ironic-inspector) (/ironic-inspector/victoria/)

Python agent for provisioning and deprovisioning Bare Metal servers (ironic-python-agent) (/ironic-python-agent/victoria/)

Python library to communicate with Redfish based systems (sushy) (/sushy/victoria/)

⚙ Networking Sub Projects

BaGPipe backend (networking-bagpipe) (/networking-bagpipe/victoria/)

BGP-MPLS VPN Networking service Plug-in (networking-bgpvpn) (/networking-bgpvpn/victoria/)

Dynamic Routing service Plug-in (neutron-dynamic-routing) (/neutron-dynamic-routing/victoria/)

OpenDaylight(ODL) Networking service Plug-in (networking-odl) (/networking-odl/victoria/)

VPN-as-a-Service Plug-in (neutron-vpnaas) (/neutron-vpnaas/victoria/)

⚙ Deployment Projects

Deploying OpenStack using Ansible in Docker Containers (kolla) (/kolla-ansible/victoria/)

OpenStack-Ansible Deployment (/openstack-ansible/victoria/)

Providing production-ready containers and deployment tools for operating OpenStack clouds (/kolla/victoria/)

TripleO Deployment Guide (/tripleo-docs/latest/install/)

⚙ Contributor Tools

devstack (/devstack/victoria/)

DevStack

grenade (/grenade/victoria/)

Test harness to exercise the upgrade process between releases.

heat-translator (/heat-translator/victoria/)

Translate non-heat templates to heat Orchestration Template

tosca-parser (/tosca-parser/victoria/)

Parser for TOSCA Simple Profile in YAML

✏️ Using Libraries

automaton (/automaton/victoria/)

Friendly state machines for Python.

castellan (/castellan/victoria/)

Key Manager interface abstraction

cliff (/cliff/victoria/)

Builds command-line programs in Python.

debtcollector (/debtcollector/victoria/)

A collection of Python deprecation patterns and strategies that help you collect your technical debt in a non-destructive manner.

futurist (/futurist/victoria/)

Asynchronous code from the future, helping you build out your applications to handle asynchronous and periodic work in a nice manner.

glance_store (/glance_store/victoria/)

glance backend abstraction library

neutron-lib (/neutron-lib/victoria/)

Library provided for integrating with the OpenStack Networking platform.

os-brick (/os-brick/victoria/)

library for managing local volume attaches

os-vif (/os-vif/victoria/)

Library for plugging and unplugging virtual interfaces.

oslo.cache (/oslo.cache/victoria/)

Cache management library.

oslo.concurrency (/oslo.concurrency/victoria/)

External process management and task synchronization.

oslo.config (/oslo.config/victoria/)

Configuration option parsing from the command line or configuration files.

oslo.context (/oslo.context/victoria/)

Helpers to maintain useful information about a request context.

oslo.db (/oslo.db/victoria/)

Database connectivity.

oslo.i18n (/oslo.i18n/victoria/)

Internationalization and translation.

oslo.log (/oslo.log/victoria/)

A logging configuration library.

oslo.messaging (/oslo.messaging/victoria/)

Inter-process communication.

oslo.middleware (/oslo.middleware/victoria/)

WSGI middleware library for web service development.

oslo.policy (/oslo.policy/victoria/)

Common policy enforcement.

oslo.privsep (/oslo.privsep/victoria/)

library for privilege separation

oslo.reports (/oslo.reports/victoria/)

Error report framework for projects.

oslo.rootwrap (/oslo.rootwrap/victoria/)

Fine filtering of shell commands to run as root.

oslo.serialization (/oslo.serialization/victoria/)

Serialization with special handling for some common types.

oslo.service (/oslo.service/victoria/)

Library for running and managing OpenStack services.

oslo.upgradecheck (/oslo.upgradecheck/victoria/)

Library of common code for upgrade checks.

oslo.utils (/oslo.utils/victoria/)

Library of common low-level utility modules.

oslo.versionedobjects (/oslo.versionedobjects/victoria/)

Database and RPC object schema versioning.

oslo.vmware (/oslo.vmware/victoria/)

Common functionality required by VMware drivers in several projects.

oslotest (/oslotest/victoria/)

Unit test and fixture framework.

osprofiler (/osprofiler/victoria/)

Cross-Project profiling library.

pycadf (/pycadf/victoria/)

Creates CADF events to capture cloud-related events.

stevedore (/stevedore/victoria/)

Manages dynamic plug-ins for Python applications.

taskflow (/taskflow/victoria/)

Makes task execution easy, consistent, and reliable.

Documentation treated like code, powered by the community - interested?

How To Contribute ❯ (/Doc-Contrib-Guide/)