







OPENLAB



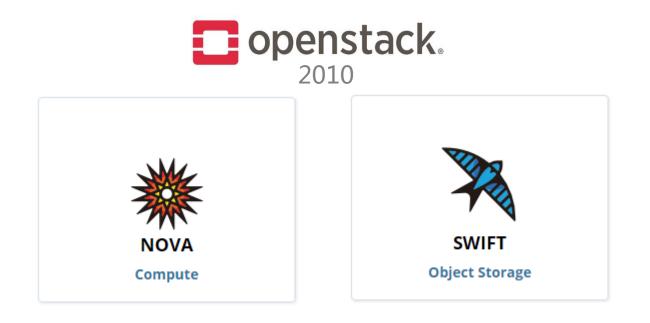








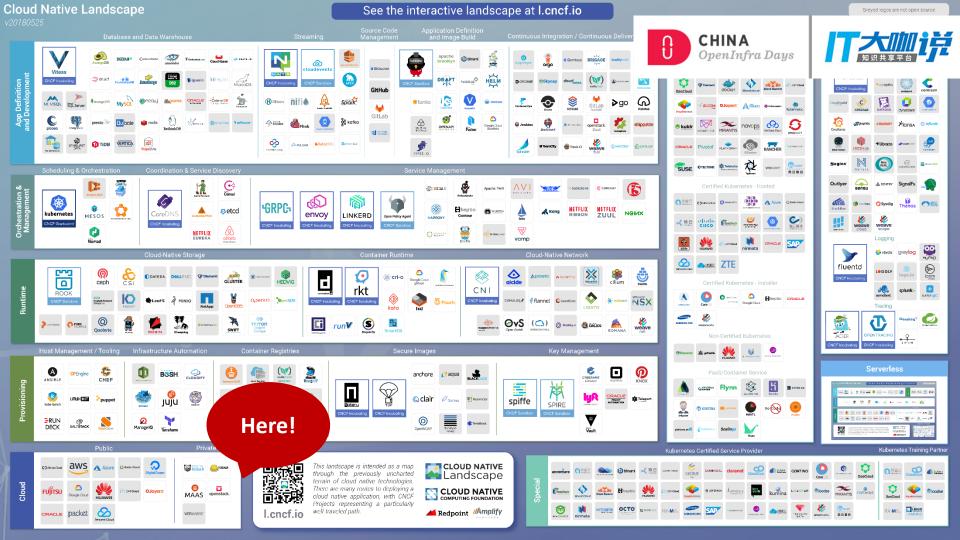
CLOUD ECOSYSTEM GROWING

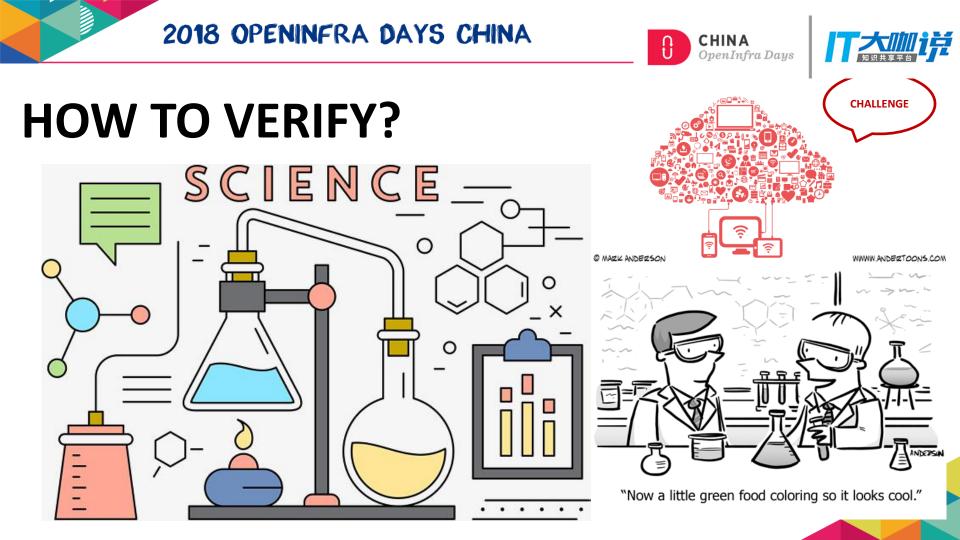












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🎔 Follow @xebialabs

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WHERE WE CAN TRY IT SAFELY?









CI DASHBOARD

WE ARE OPENLAB

https://openlabtesting.org/



Validated SDKs and Tools

SDKs are the key to building applications native to clouds. Using OpenLab tools and SDKs validated against features and implementations of multiple clouds.

Test Your Apps and Tools

OPENSTACK SDKS

OPENLAB WORK

ABOUT US

HOME

Integration and testing continues to be a challenge for Open Source ecosystems. Collaborate across communities by bringing your applications and tools.

Contribute to OpenLab

OPENLAB RESULTS

Our motto is, "a place where anyone can play". We work closely with testers and users and could always use some extra hands and hearts. Join in today.

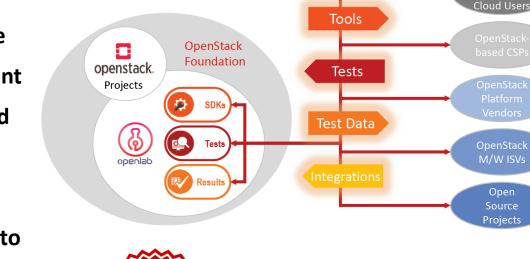
Learn More

Get Started

Support OpenLab

WHAT IS OPENLAB?

- OpenLab's mission is to enable the testing, reporting, and development of tools and applications for hybrid and multi-cloud environments.
 - OpenLab fulfills its mission by providing a ready to use and easy to replicate platform that tests the usability, reliability, and resiliency of hybrid and multi-cloud tooling.





OpenLab provide:

CHINA

OpenInfra Days

- Free resources
- Tools and Platform
- Testing report



Private

LAUNCH AT SYDNEY SUMM













SUPPORTING ORGANIZATIONS











HOW OPENLAB WORKS?

Let's Get Started

Full Name¹ Fmail* Organization Job Title Phone What is your focus?* Performance How are you measuring your results?* What type of community impact will your testing have?*

https://openlabtesting.org/openstack-sdks/#omw-1295

Collect Use Cases

REQUESTED BY	PROJECT	FOCUS AREA	STATUS
Mohammed Naser	openstack-cloud-plugin	Application Ecosystem	Awaiting job configuration
Gilles Dubreil	misty	OpenStack SDKs	Awaiting job configuration
Lingxian Kong	cloud-provider-openstack	Integration	Awaiting resource allocation
Pablo Iranzo Gómez	citellus	Operational Tooling	Awaiting resource allocation
Marco Voelz	bosh-openstack-cpi	PaaS	Awaiting CI integration
Gilles Dubreil	fog-openstack	OpenStack SDKs	Awaiting CI integration
Monty Taylor	shade	OpenStack SDKs	Awaiting CI integration
Dmitry Tantsur	rust-openstack	OpenStack SDKs	Awaiting CI integration

2010 UPENINFKA DATS CHINA







HOW OPENLAB WORKS?







Open Source Projects

https://github.com/theopenlab/openlab-zuul-jobs



HOW OPENLAB WORKS?





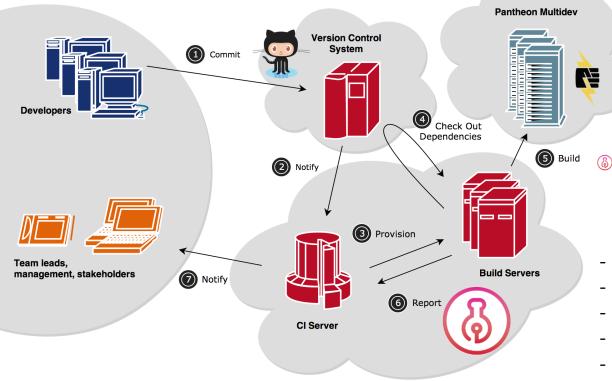
SDK	Language	CI Integration	Unit Testing	Integration/E2E/Functional Testing	Engineering Activity	User Activity	Versioning	SDK Certification
gophercloud	Go	~	~	~	& +	& +	۲	-
misty	Ruby	~	R	2				-
python- openstacksdk	Python	۲						-
openstack4j	Java	۲						-
jclouds	Java	۲						-
libcloud	Python	۲						-
goose	Go	۲						-
fog-openstack	Ruby	۲						_







TESTING WORKFLOW



- VEXXHOST
- ChameleonCloud
- SWITCH Cloud
- Citynetwork
- Open Telekom Cloud

theopenlab-ci bot commented 4 hours ago	+
Build succeeded.	
gophercloud-unittest : SUCCESS in 2m 52s gophercloud-acceptance-test : SUCCESS in 32m 02s	

- Zuul v3
- Nodepool
- Zookeeper
- Gearman
- Grafana

FINISHED WORK ITEMS

- CI/CD system build and maintain
 - Zuul, Nodepool
 - Monthly upgrade

• Gophercloud and Terraform

- Supported OpenStack releases: M, N, O, P, Q and master
- Supported OpenStack projects: Nova, Neutron, Cinder, Keystone,
 Glance, Lbaas, Fwaas, Designate, Trove, Zun, Manila
- □ Supported Huawei clouds: DT OTC, Telefonica cloud, Orange cloud.

• Kubernetes and cloud-provider-openstack

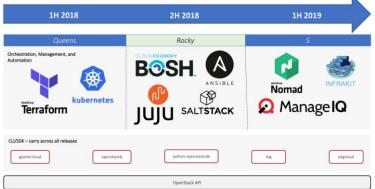
- LB Octavia
- Keystone
- Build-in Cinder
- Standalone Cinder
- Flexvolume Cinder
- CSI Cinder
- E2E conformance(master, v1.11, v1.10) <u>https://k8s-testgrid.appspot.com/conformance-cloud-provider-openstack</u>
- CloudFoundry /BOSH (WIP)

2018 OPENINFRA DAYS CHINA





Milestone









- Gophercloud is an OpenStack Go SDK
- First enabled Gophercloud CI testing at Nov 2017
- Add Support for New Gophercloud Service theopenlab/openlab-zuul-jobs#143
 - Gophercloud is under development to support more OpenStack projects
 - CI jobs need to be modified for more test coverage
- Move gophercloud jobs to gophercloud repo theopenlab/openlab#17 (Proposed at April)
 - Move the gophercloud specific job definitions, playbooks to gophercloud repo
 - gophercloud can define their own job and test cases
- Move CI job definition to gophercloud repo gophercloud/gophercloud#976 (Finished at May)
 - Need to remove the job from theopenlab, and add job to gophercloud
 - Need to happen at the same time for the 2 repos to avoid test failures
- Acceptance Test Updates <u>gophercloud/gophercloud#818</u>
 - Gophercloud is able to manage the test coverage at his own pace

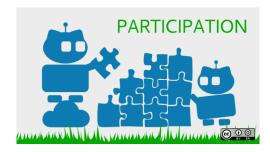






CONTACT US

- Website: https://openlabtesting.org/
- IRC: **#askopenlab** on freenode
- Github: https://github.com/theopenlab











Thank You \bigcirc * A





OPENLAB CI ARCH

