



ONAP
OPEN NETWORK AUTOMATION PLATFORM

Integration Test Basics

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Integration Lab Access

The screenshot shows the Intel ONAP Integration Lab web interface. The browser address bar displays "10.12.25.2/project/". The page title is "Integration-SB-04" and the date/time is "4/2/2019, 1:06:51 AM". The user is logged in as "demo".

The left sidebar contains the following navigation items:

- Intel ONAP Integration Lab
- Project
- API Access
- Compute
- Overview
- Instances
- Server Groups
- Images
- Key Pairs
- Volumes
- Network
- Orchestration
- Identity

The "Projects:" dropdown menu is open, listing the following projects:

- APPC
- DCAE
- demonstrable
- Infrastructure
- Integration-HEAT-Daily
- Integration-HEAT-Staging-Daily
- Integration-HEAT-Verify
- Integration-OOM-Daily
- Integration-OOM-Staging-Daily
- Integration-OOM-Verify
- Integration-SB-00
- Integration-SB-01
- Integration-SB-02
- Integration-SB-03
- ✓ Integration-SB-04
- Integration-SB-05
- Integration-SB-06
- Integration-SB-07
- Microservices
- ONAP-vCPE
- ONSDEMO1
- OOF
- OOM
- SDN-C
- VIM

The main content area displays resource usage statistics:

- VCPUs: Allocated 132 of 500
- RAM: Used 264GB of 500GB
- Floating IPs: Used 18 of 50
- Security Groups: Used 2 of 10
- Volumes: Used 0 of 100

At the bottom, there is a "Submit" button and a date field set to "2019-04-02".

Integration Lab Usage

The screenshot shows a web browser window displaying a Confluence wiki page. The browser's address bar shows the URL <https://wiki.onap.org/display/DW/Integration+Test+Labs>. The Confluence navigation bar includes 'Confluence', 'Spaces', 'People', 'Questions', 'Calendars', and a 'Create' button. The page title is 'Integration Test Labs', created by Marco Platania and last modified by Gary Wu on Mar 27, 2019. The page content includes a description of the wiki page's purpose, a list of URLs for Heat templates and environment files, a note about VM refresh cycles, and a 'General notes' section with details about VM configurations and access. Below this, there are sections for 'Integration Shared Tenants' listing 'Integration-SB-00' and 'Integration-SB-01' with their respective testing activities and owners.

Dashboard / ... / Integration Project UNPUBLISHED CHANGES 125 view(s) Edit Save for later Watching Share

Integration Test Labs

Created by Marco Platania, last modified by Gary Wu on Mar 27, 2019

The wiki page keeps track of the OpenStack labs that the Integration Team supports for testing ONAP and the use cases approved for R1 (Amsterdam release). These labs contain an ONAP instance each, installed with the Heat template and environment file available in Gerrit:

- Heat template URL: https://gerrit.onap.org/r/gitweb?p=demo.git;a=blob;f=heat/ONAP/onap_openstack.yaml;h=242d0dd2087053d1b8d7b3a692720f0951ef1ceb;hb=refs/heads/master
- Environment file URL: https://gerrit.onap.org/r/gitweb?p=demo.git;a=blob;f=heat/ONAP/onap_openstack.env;h=189dfd27838c752d89c999b33470cac96f0171b4;hb=refs/heads/master

The docker containers inside the VMs are typically refreshed once a day at 6AM EST. Manual update is executed each time a blocker is fixed and the new contribution needs to be tested. The entire ONAP stack is typically recreated once a week. **When the ONAP stack is recreated, the IP addresses of the ONAP VMs may change.** Please visit this page to find out the latest IP addresses assigned to the ONAP VMs.

General notes

- The "multiservice" VM contains MSB, VFC, Multi-VIM, VNFSDK, and UUI components. The VM will be soon renamed as "multi-service".
- The "dcae-controller" VM contains only the DCAE GEN2 bootstrap container. The VM will be soon renamed as "dcae-bootstrap".
- ONAP developers have root access to the VMs. SSH access requires a private key. Please contact the Integration Team to get your private key.

Integration Shared Tenants

Integration-SB-00

Testing activity: Dublin Release testing (shared by integration team)
Owner: @Yang XU

Integration-SB-01

Testing activity: Dublin Daily Staging Deployment for project team testing
Owner: @Yang XU

Integration-SB-02

Testing activity:

Integration ONAP CI

The screenshot shows the Jenkins web interface at onapci.org/jenkins/. The interface includes a search bar, a 'log in' button, and a sidebar with navigation options: People, Build History, and Credentials. The main content area displays a table of build jobs, filtered by 'daily'.

S	W	Name ↓	Last Success	Last Failure	Last Duration	Robot Results
🌑	☁️	windriver-oom-daily	1 mo 28 days - #334	1 mo 16 days - #346	4 hr 45 min	
🔴	☁️	windriver-oom-staging-daily	14 days - #238	1 day 2 hr - #259	5 hr 54 min	
🌑	☀️	windriver-sb00-oom-manual	4 mo 4 days - #11	5 mo 15 days - #2	4 hr 24 min	78 / 78 passed
🌑	☀️	windriver-sb01-oom-manual	2 mo 0 days - #37	2 mo 0 days - #35	5 hr 24 min	74 / 78 passed
🌑	☁️	windriver-sb01-oom-staging-daily	N/A	12 days - #2	3 hr 25 min	
🌑	☀️	windriver-sb01-rke-staging-daily	6 days 9 hr - #2	N/A	5 hr 52 min	68 / 85 passed
🌑	☀️	windriver-sb02-oom-manual	2 mo 0 days - #1	N/A	7 hr 29 min	72 / 78 passed
🌑	☀️	windriver-sb03-oom-manual	N/A	N/A	N/A	
🟡	☀️	windriver-sb03-rke-staging-manual	5 days 11 hr - #1	N/A	6 hr 18 min	61 / 85 passed
🌑	☀️	windriver-sb04-oom-manual	4 mo 11 days - #4	N/A	2 hr 39 min	78 / 78 passed
🌑	☀️	windriver-sb05-oom-manual	N/A	N/A	N/A	

Build Queue: No builds in the queue.

Build Executor Status:

- 1 Idle
- 2 Idle
- 3 Idle
- 4 Idle
- 5 Idle
- 6 Idle
- 7 Idle
- 8 Idle
- 9 Idle
- 10 [windriver-oom-staging-daily](#) #260

Integration ONAP CI

Project / Compute / Instances

Instances

Instance ID = Filter Default Limit [Launch Instance](#) [Delete Instances](#) [More Actions](#)

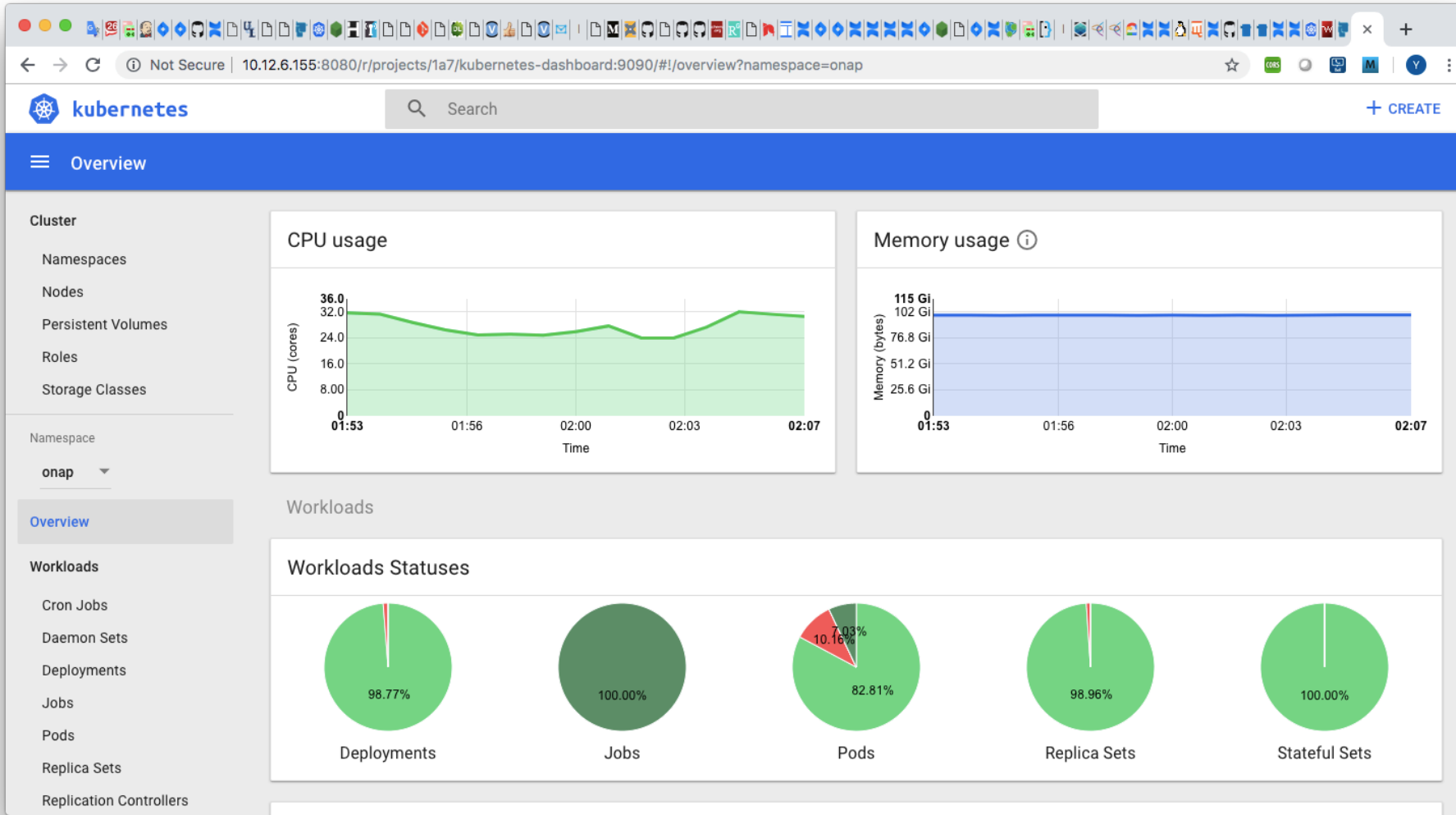
Displaying 9 items

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Time since created	Actions
oom-rancher	ubuntu-16-04-cloud-amd64	oam_network_b0nx 10.0.0.20 10.12.6.155	m1.large	onap_key	Active	nova	None	Running	5 days, 10 hours	Create Snapshot
oom-k8s-10	ubuntu-16-04-cloud-amd64	oam_network_b0nx 10.0.0.13 10.12.6.140	m1.xlarge	onap_key	Active	nova	None	Running	5 days, 10 hours	Create Snapshot
oom-k8s-08	ubuntu-16-04-cloud-amd64	oam_network_b0nx 10.0.0.9 10.12.6.156	m1.xlarge	onap_key	Active	nova	None	Running	5 days, 10 hours	Create Snapshot
oom-k8s-07	ubuntu-16-04-cloud-amd64	oam_network_b0nx 10.0.0.7 10.12.6.127	m1.xlarge	onap_key	Active	nova	None	Running	5 days, 10 hours	Create Snapshot
oom-k8s-06	ubuntu-16-04-cloud-amd64	oam_network_b0nx 10.0.0.18	m1.xlarge	onap_key	Active	nova	None	Running	5 days, 10 hours	Create Snapshot

Check ONAP Deployment

- 1 yang-local\$ ssh -i ~/.ssh/onap_dev root@10.12.6.155
- 2 root@oom-rancher> helm list
- 3 root@oom-rancher> kubectl -n onap get pod -o wide | grep appc-appc
- 4 root@oom-rancher> kubectl -n onap top node
- 5 root@oom-rancher> kubectl -n onap top pod | sort -k2,2nr | head -10
- 6 root@oom-rancher> kubectl -n onap describe pod dev-appc-appc-0
- 7 root@oom-rancher> kubectl -n onap log dev-appc-appc-0
- 8 root@oom-rancher> kubectl -n onap exec -it dev-appc-appc-0 bash

Kubernetes UI



Change your local /etc/hosts to access ONAP portal

```
yang — root@oom-rancher: ~ — vim — sudo — 93x16
# Integration-SB-04
10.12.6.128 portal.api.simplesdemo.onap.org portal-app.onap
10.12.6.128 vid.api.simplesdemo.onap.org
10.12.6.128 sdc.api.fe.simplesdemo.onap.org
10.12.6.128 portal-sdk.simplesdemo.onap.org
10.12.6.128 policy.api.simplesdemo.onap.org
10.12.6.128 aai.api.sparky.simplesdemo.onap.org
10.12.6.128 cli.api.simplesdemo.onap.org
10.12.6.128 msb.api.discovery.simplesdemo.onap.org
10.12.6.128 uui.api.simplesdemo.onap.org
10.12.6.128 test.uui.api.simplesdemo.onap.org
10.12.6.128 clamp.api.simplesdemo.onap.org
```


Check ONAP Health and Initialization

1

```
root@oom-rancher> cd /root
```

2

```
root@oom-rancher> ./oom/kubernetes/robot/ete-k8s.sh onap health
```

3

```
root@oom-rancher> ./oom/kubernetes/robot/ete-k8s.sh onap healthdist
```

4

```
root@oom-rancher> ./oom/kubernetes/robot/demo-k8s.sh onap init_robot
```

5

```
root@oom-rancher> ./oom/kubernetes/robot/demo-k8s.sh onap init
```

Service Model Distribution Check

The screenshot shows the ONAP SDC v1.3.6 interface for the 'demoVCPeInfra' service model. The 'Distribution' tab is active, showing a summary of the distribution process. The distribution ID is b1bf0123-e608-4097-93df-0a3da0ac5189, and it was distributed by user Oper P(op0001) on 03/30/2019 at 3:07PM. The summary shows 42 total artifacts, with 10 notified, 7 downloaded, 7 deployed, and 32 not notified. There are 0 deployment and download errors.

The main table lists the following artifacts:

Component ID	Artifact Name	URL	Time(UTC)	Status
SO-COpenSource-Env11			03/30/2019 3:11PM	DISTRIBUTION_COMPLETE_OK
SO-COpenSource-Env11	service-Demovcpeinfra-csar.csar	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:08PM	DEPLOY_OK
SO-COpenSource-Env11	base_vcpe_infra.env	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:08PM	DEPLOY_OK
SO-COpenSource-Env11	base_vcpe_infra.yaml	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:08PM	DEPLOY_OK
SO-COpenSource-Env11	bf9abe4454ec4353b9d90_modules....	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:08PM	DEPLOY_OK
SO-COpenSource-Env11	service-Demovcpeinfra-template.yaml	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:07PM	NOT_NOTIFIED
SO-COpenSource-Env11	vf-license-model.xml	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:07PM	NOT_NOTIFIED
SO-COpenSource-Env11	vendor-license-model.xml	/sdc/v1/catalog/services/Demovcpeinfr...	03/30/2019 3:07PM	NOT_NOTIFIED

Below the table, there are summary rows for other components:

- aa1-ml 7 | Notified: 1 | Downloaded: 1 | Deployed: 1 | Not Notified: 6 | Deploy Errors: 0 | Download Errors: 0
- sdc-COpenSource-Env11-sdnc-dockero 7 | Notified: 1 | Downloaded: 1 | Deployed: 1 | Not Notified: 6 | Deploy Errors: 0 | Download Errors: 0
- policy-id 7 | Notified: 2 | Downloaded: 1 | Deployed: 1 | Not Notified: 5 | Deploy Errors: 0 | Download Errors: 0

Service Model Distribution Debug Logs

```
aai-modelloader: /var/log/onap/AAI-ML/debug.log  
so-sdc-controller: /app/logs/sdc/debug.log  
sdnc-ueb-listner: /opt/app/ueb-listener/logs/ueb-listener.log
```

ONAP Runtime Debug Logs and Tools

Runtime components debug logs:

- so-bpmn: /app/logs/bpmn/debug.log
- sdnc-sdnc: /var/log/onap/sdnc/karaf.log
- appc-appc: /opt/opendaylight/data/log/karaf.log
- policy-drools: /var/log/onap/policy/pdpd/network.log

DBeaver - Database GUI tool

Postman - REST client tool

Wireshark - Packet analyzer

Other Things to Check When Debug

- Check gerrit to see recent merges and revert back docker images to test
- Verify 3rd party docker image versions and packages inside
- Check other labs to see if the issue is related to environment

Where to Get Help?

- Rocket.chat: onap-integration.eastus.cloudapp.azure.com:3000
 - group: onap-integration
- onap-discuss with integration tag
- Weekly meeting calls on Wednesday 9am EST



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Any suggestions for
Integration team?