


RED HAT
SUMMIT

MANAGING OPENSIFT FROM INSTALLATION AND BEYOND

Advanced techniques for OpenShift cluster lifecycle
management

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Lab Resources



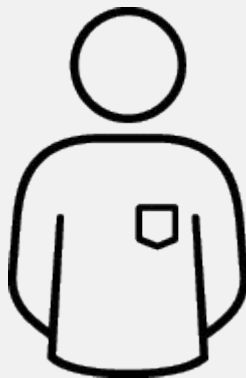
<https://github.com/sabre1041/summit-2017-ocp-operator>

Life of an OpenShift Operator

Installation

Automation

Management



Capacity

Upgrades

Resource Utilization

Components in the Lab

Here are the products in Red Hat's portfolio that we will use today

- **Red Hat OpenStack Platform**
 - Hosts virtual server instances (Standalone KVM Virtual Machine)
- **Ansible Tower**
 - Automate the OpenShift installation (Standalone KVM Virtual Machine)
- **Red Hat OpenShift Container Platform**
 - 1 Master, 1 Infrastructure Node, 1 Application Node (OpenStack instances)
- **Red Hat CloudForms**
 - Containerized deployment within OpenShift

RED HAT®
OPENSTACK®
PLATFORM



RED HAT®
OPENSIFT
Container Platform

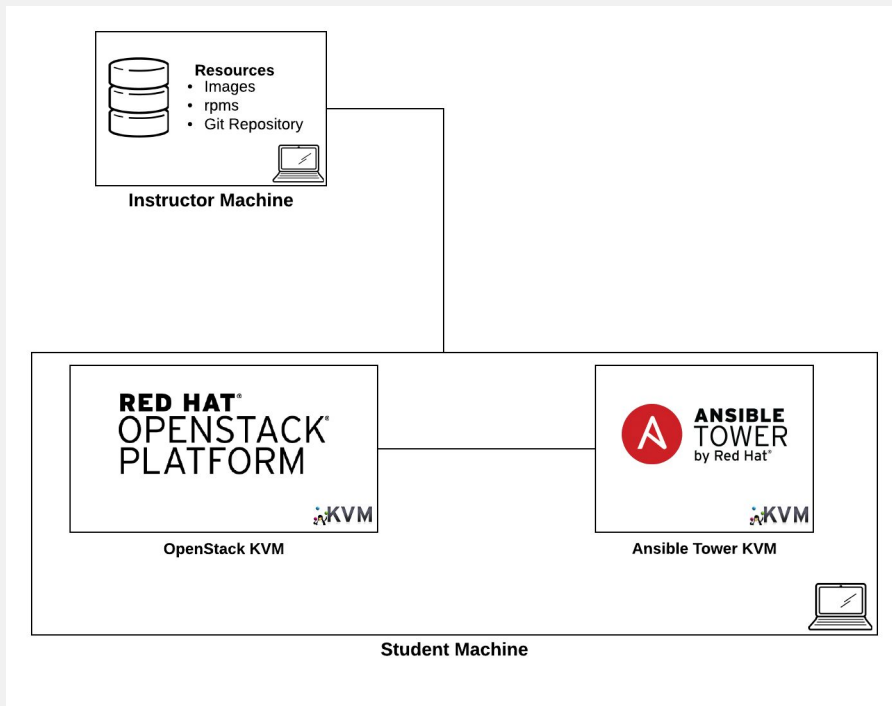


ANSIBLE
TOWER
by Red Hat®

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CLOUDFORMS

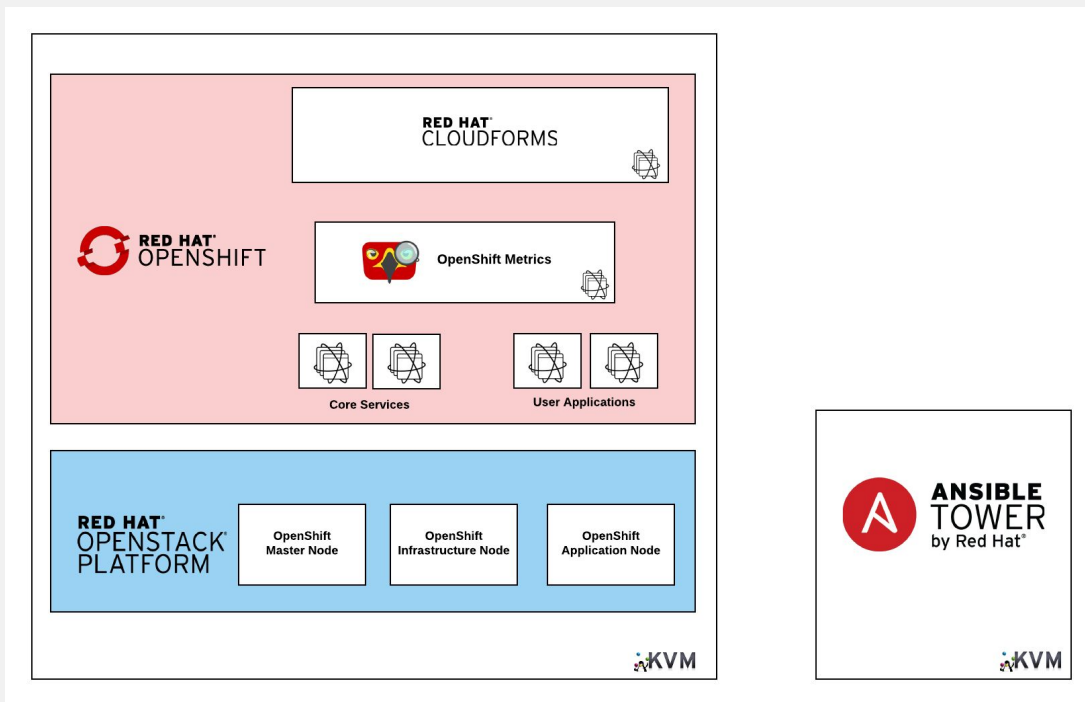
Environment

Overall Layout



Environment

Target Layout



Lab Overview



Lab 0

Pre-Lab Setup



Lab 1

Lab Overview



Lab 2

Exploring the Environment



Lab 3

Verifying the OpenShift
Installation



Lab 4

Installing Red Hat CloudForms



Lab 5

Deploy a Sample Application

Lab Overview



Lab 6

Expanding the OpenShift Cluster



Lab 7

Next Steps

Please fill out survey

Please do this or a kitten might get it.

References

- <https://github.com/sabre1041/summit-2017-ocp-operator>
- <https://github.com/openshift/openshift-ansible>
- <https://www.openshift.org/>
- <https://www.openshift.com/>
- <http://manageiq.org/>
- <https://www.redhat.com/en/technologies/management/cloudforms>
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- <https://www.redhat.com/en/technologies/linux-platforms/openstack-platform>
- <https://www.ansible.com/ansible-tower-by-red-hat>

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