



Red Hat CloudForms with Red Hat Ansible Automation - Better together

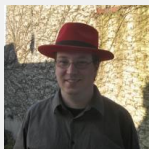
L1078

Christian Jung
EMEA Specialist Solution Architect CloudForms

Victor Estival Lopez
Technical Marketing Engineer



About Us



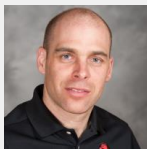
Christian Jung
EMEA Specialist Solution Architect
Germany
Start date: 2006



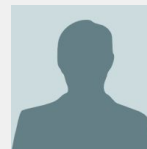
Victor Estival Lopez
Technical Marketing Engineer
Spain
Start date: 2015



Götz Rieger
Partner Solution Architect
Germany
Start date: 2013



Michael Lessard
Solution Architect
Canada
Start date: 2009



Fabien Dupont
Engineering
France
Start date: 2013

CloudForms Introduction

Discover, Optimize, and Control your Hybrid IT

Red Hat's Vision:

...We believe open, hybrid technology is the future of IT. The operating system for the cloud is open source. Hybrid IT is a reality in every organization, and ultimately, open technology gives you control over today's trends and your own future. ..

- **Private:** Red Hat Virtualization, Red Hat OpenStack Platform, Red Hat OpenShift Container Platform, VMware vSphere, Microsoft SCVMM
- **Public:** Amazon EC2, Microsoft Azure, Google Compute Engine
- **Hybrid:** Any combination of the above
- **Bare Metal:** Red Hat Satellite 6
- **Configuration:** Ansible Tower, Embedded Ansible

Features

Discover existing objects like VMs,
Instances, Clusters, Hosts, ...

RED HAT
CLOUDFORMS



DISCOVERY



CAPACITY
PLANNING



REPORTING



AUDITING
COMPLIANCE



ANALYSIS



MONITORING



ORCHESTRATION



POLICY



CHARGEBACK

Features

Collect Usage data to calculate trends
and identify bottlenecks

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DISCOVERY



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POLICY



CHARGEBACK

Features

Use collected data to create reports



Features

SmartState Analysis to enforce Compliance

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POLICY



CHARGEBACK

Features

Detect drift for root cause analysis

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ANALYSIS



MONITORING



ORCHESTRATION



POLICY



CHARGEBACK

Features

Monitor load of VMs, Hosts, Datastores
and Networks

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POLICY



CHARGEBACK

Features

Provisioning and Lifecycle Automation

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ORCHESTRATION



POLICY



CHARGEBACK

Features

Policies to alert and perform action for
specified events



Features

Show back cost to other departments,
external and instal customers



Ansible Introduction



SIMPLE

Human readable automation

No special coding skills needed

Tasks executed in order

Usable by every team

Get productive quickly



POWERFUL

App deployment

Configuration management

Workflow orchestration

Network automation

Orchestrate the app lifecycle



AGENTLESS

Agentless architecture

Uses OpenSSH & WinRM

No agents to exploit or update

Get started immediately

More efficient & more secure



CENTRAL

Central place for everyone

Overview of present and past

Create workflows, schedule jobs

Have one common view



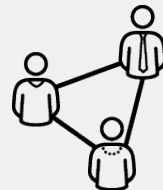
INTEGRATION

Simple, powerful API

Uses REST for quick adoption

No special agents or lib needed

Integrate with everything



ACCESS

Teams and users enable RBAC

Deposit credentials securely

Assign access to unprivileged

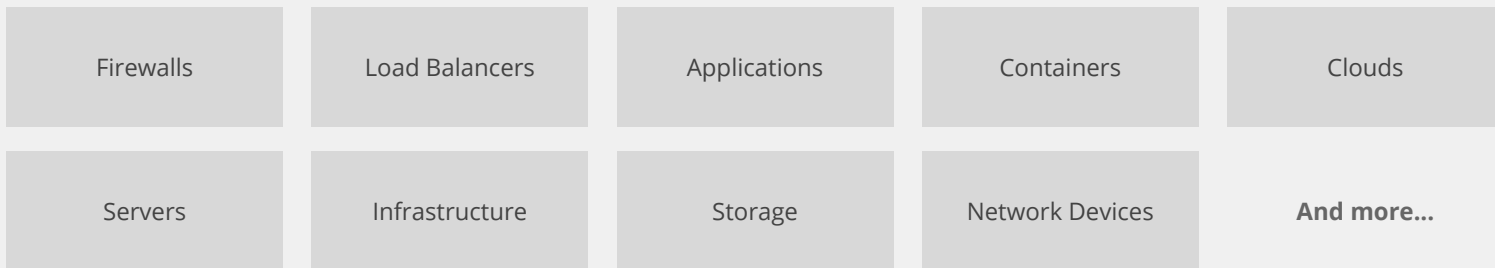
Separate access and execution

Automate the deployment and management
of your entire IT footprint.

Do this...



On these...



Access the Lab

Access your Lab

Each attendee will get their **own cloud-based lab** environment.

Each attendee needs a **unique identifier (GUID)**

Get the GUID:

- Bring up the **homepage** on your browser
- Choose Lab: **L1078**
- Activation Key: **better**
- Click **Next**

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REQUEST LAB GUID

Please choose the lab code for this session:

Lab Code:

Activation Key:

[Next >](#)

If you are unsure which one to choose or what the activation key is please notify a lab proctor.

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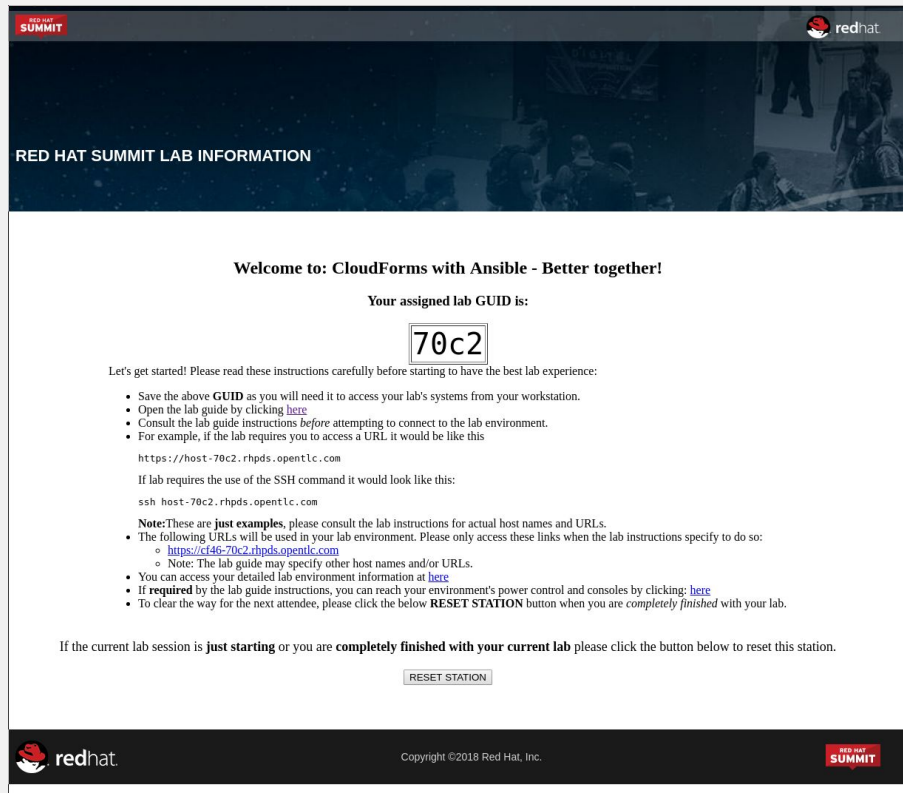
Access your Lab

On the next page you get your locked GUID,
keep it at hand

Access the Lab Guide:
the link in the info page:

“Open the lab guide by clicking here”

Follow the lab guide



The screenshot shows the 'RED HAT SUMMIT LAB INFORMATION' page. At the top, there's a header with the Red Hat Summit logo and the Red Hat logo. Below the header, the page title 'RED HAT SUMMIT LAB INFORMATION' is displayed. The main content area has a dark blue background with a photo of people at a summit. The text 'Welcome to: CloudForms with Ansible - Better together!' is centered. Below this, it says 'Your assigned lab GUID is:' followed by a box containing the GUID '70c2'. A paragraph follows: 'Let's get started! Please read these instructions carefully before starting to have the best lab experience:'. There are four bullet points: 1. Save the above GUID as you will need it to access your lab's systems from your workstation. 2. Open the lab guide by clicking [here](#). 3. Consult the lab guide instructions before attempting to connect to the lab environment. 4. For example, if the lab requires you to access a URL it would be like this: `https://host-70c2.rhpdn.opentlc.com`. Below the bullet points, it says 'If lab requires the use of the SSH command it would look like this:' followed by the command `ssh host-70c2.rhpdn.opentlc.com`. A 'Note' follows: 'These are just examples, please consult the lab instructions for actual host names and URLs. The following URLs will be used in your lab environment. Please only access these links when the lab instructions specify to do so:'. There are two sub-bullets: 1. You can access your detailed lab environment information at [here](#). 2. Note: The lab guide may specify other host names and/or URLs. Below the note, there are two more bullet points: 1. If required by the lab guide instructions, you can reach your environment's power control and consoles by clicking: [here](#). 2. To clear the way for the next attendee, please click the below RESET STATION button when you are completely finished with your lab. At the bottom of the main content area, there is a button labeled 'RESET STATION'. The footer of the page contains the Red Hat logo, the copyright notice 'Copyright ©2018 Red Hat, Inc.', and the Red Hat Summit logo.

RED HAT SUMMIT

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RED HAT SUMMIT LAB INFORMATION

Welcome to: CloudForms with Ansible - Better together!

Your assigned lab GUID is:

70c2

Let's get started! Please read these instructions carefully before starting to have the best lab experience:

- Save the above GUID as you will need it to access your lab's systems from your workstation.
- Open the lab guide by clicking [here](#)
- Consult the lab guide instructions before attempting to connect to the lab environment.
- For example, if the lab requires you to access a URL it would be like this
`https://host-70c2.rhpdn.opentlc.com`

If lab requires the use of the SSH command it would look like this:

```
ssh host-70c2.rhpdn.opentlc.com
```

Note: These are just examples, please consult the lab instructions for actual host names and URLs. The following URLs will be used in your lab environment. Please only access these links when the lab instructions specify to do so:

- [https://c146-70c2.rhpdn.opentlc.com](#)
 - Note: The lab guide may specify other host names and/or URLs.
- You can access your detailed lab environment information at [here](#)

- If required by the lab guide instructions, you can reach your environment's power control and consoles by clicking: [here](#)
- To clear the way for the next attendee, please click the below RESET STATION button when you are completely finished with your lab.

If the current lab session is just starting or you are completely finished with your current lab please click the button below to reset this station.

RESET STATION

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Summary

- Choose lab: L1077
- Activation key: self
- Get GUID
- Access Lab Guide:
“Open the lab guide by clicking here”
- Follow the guide and start your lab!

Password is always:
r3dh4t1!

The image shows two screenshots of the Red Hat Summit lab interface. The top screenshot is the 'REQUEST LAB GUID' page. It has a dark header with the Red Hat Summit logo. The main content area is white. It says 'Please choose the lab code for this session:' followed by a dropdown menu showing 'L1078 - CloudForms with Ansible - Better together!'. Below that is 'Activation Key: better' and a 'Next >' button. A red arrow points from the first bullet point to the dropdown menu. Another red arrow points from the second bullet point to the 'Activation Key' field. The bottom screenshot is the 'RED HAT SUMMIT LAB INFORMATION' page. It has a dark header with the Red Hat Summit logo. The main content area is white. It says 'Welcome to: CloudForms with Ansible - Better together!' followed by 'Your assigned lab GUID is:'. Below that is a box containing the GUID '70c2'. A red arrow points from the third bullet point to this box. Below the GUID is a list of instructions. A red arrow points from the fourth bullet point to the first instruction: 'Save the assigned GUID as you will need it to access your lab's systems from your workstation.' The bottom of the page has a 'RESET STATION' button and a footer with the Red Hat logo and copyright information.

REQUEST LAB GUID

Please choose the lab code for this session:

Lab Code: L1078 - CloudForms with Ansible - Better together!

Activation Key: better

Next >

If you are unsure which one to choose or what the activation key is please notify a lab proctor.

RED HAT SUMMIT LAB INFORMATION

Welcome to: CloudForms with Ansible - Better together!

Your assigned lab GUID is:

70c2

Get started! Please read these instructions carefully before starting to have the best lab experience:

- Save the assigned GUID as you will need it to access your lab's systems from your workstation.
- Open the lab guide by clicking [here](#).
- Consult the lab guide instructions before attempting to connect to the lab environment.
- For example, if the lab requires you to access a URL it would be like this:
`https://host-70c2.rhps.openshift.com`
If lab requires the use of the SSH command it would look like this:
`ssh host-70c2.rhps.openshift.com`

Note: These are just examples, please consult the lab instructions for actual host names and URLs.

- The following URLs will be used in your lab environment. Please only access these links when the lab instructions specify to do so:
 - <https://446-70c2.rhps.openshift.com>
- Note: The lab guide may specify other host names and/or URLs.
- You can access your detailed lab environment information at [here](#).
- If required by the lab guide instructions, you can reach your environment's power control and consoles by clicking: [here](#).
- To clear the way for the next attendee, please click the below RESET STATION button when you are completely finished with your lab.

If the current lab session is just starting or you are completely finished with your current lab please click the button below to reset this station.

RESET STATION

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AUTOMATION & MANAGEMENT

Come see us in the Red Hat booth in the Ecosystem Expo.

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SATELLITE

RED HAT®
CLOUDFORMS

RED HAT®
INSIGHTS



**‘Management -
What’s New’**
*New products under
development*

Don't miss these automation and management sessions coming up this week

MAY 8

10:30-11:15AM

Smarter Infrastructure Management with
Red Hat Satellite and Red Hat Insights

10:30-11:15AM

The Automation Journey:
Red Hat Management

4:30-5:15PM

How Walmart Uses Systems Management
Tools to Manage Its Massive IT Operation
at Scale

MAY 9

11:45AM-12:30PM

Red Hat Management Roadmap and Strategy

MAY 10

11:15AM - 12:00PM

Automating Day Two Red Hat OpenShift
Operations with Ansible

1:00-1:45PM

Transforming IT Ops:
The Future of IT Automation and Management

2:00-2:45PM

Giving Power to the People with Ansible at
General Mills



FINAL TASK:

FILL IN EVALUATION FORM IN RED HAT SUMMIT APP, DO IT NOW!

Optimize your IT. VM Migration made easy with Red Hat

Brett, Eric, Fabien, Miguel
Infrastructure Migration Lab Team
2018-05-10

RED HAT
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THANK YOU



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facebook.com/redhatinc



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youtube.com/user/RedHatVideos