



# Red Hat CloudForms with Red Hat Ansible Automation - Better together

L1078

Christian Jung  
EMEA Specialist Solution Architect CloudForms

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Technical Marketing Engineer



# About Us



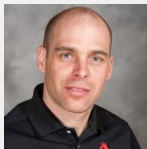
Christian Jung  
EMEA Specialist Solution Architect  
Germany  
Start date: 2006



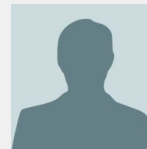
Victor Estival Lopez  
Technical Marketing Engineer  
Spain  
Start date: 2015



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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**CLOUDFORMS**



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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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**CLOUDFORMS**



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POLICY



CHARGEBACK

# Features

Monitor load of VMs, Hosts, Datastores  
and Networks

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**CLOUDFORMS**



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ORCHESTRATION



POLICY



CHARGEBACK

# Features

Provisioning and Lifecycle Automation



# 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**



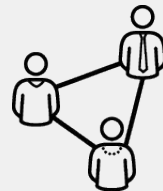
## INTEGRATION

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**

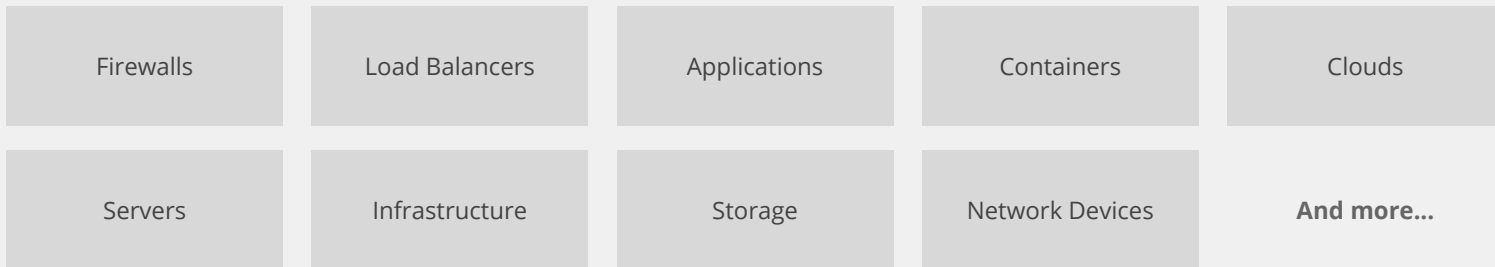


Automate the deployment and management  
of your entire IT footprint.

**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:

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

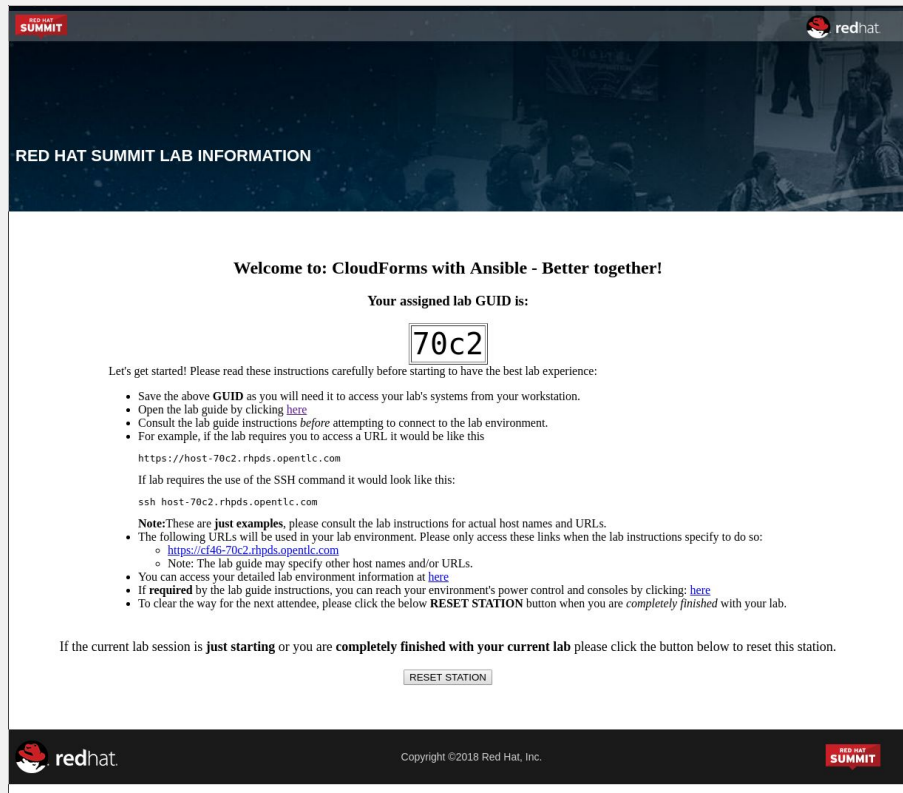
On the next page you **get your locked GUID, keep it at hand**

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 main heading is 'RED HAT SUMMIT LAB INFORMATION'. The page content includes a welcome message: 'Welcome to: CloudForms with Ansible - Better together!'. It then states 'Your assigned lab GUID is:' followed by a box containing the GUID '70c2'. Below this, there's a section titled 'Let's get started! Please read these instructions carefully before starting to have the best lab experience:'. This section contains a list of instructions: '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.', and 'For example, if the lab requires you to access a URL it would be like this: `https://host-70c2.rhpdn.opentlc.com`'. It then provides an example SSH command: 'ssh host-70c2.rhpdn.opentlc.com'. A note follows: '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:'. This is followed by a list of instructions: '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](#)', and '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's a button labeled 'RESET STATION'. The footer of the page includes the Red Hat logo, the copyright notice 'Copyright ©2018 Red Hat, Inc.', and the Red Hat Summit logo.

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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: **L1078**
- 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 list item 'Choose lab: L1078' to the dropdown menu. Another red arrow points from 'Activation key: self' 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!' and 'Your assigned lab GUID is: 70c2'. Below this is a list of instructions for getting started, including saving the assigned GUID, opening the lab guide, and consulting the lab guide instructions. A red arrow points from the list item 'Get GUID' to the GUID '70c2'. Another red arrow points from the list item 'Access Lab Guide: "Open the lab guide by clicking here"' to the 'Open the lab guide by clicking here' link in the instructions. A third red arrow points from the list item 'Follow the guide and start your lab!' to the 'RESET STATION' button at the bottom of the page.

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

# 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

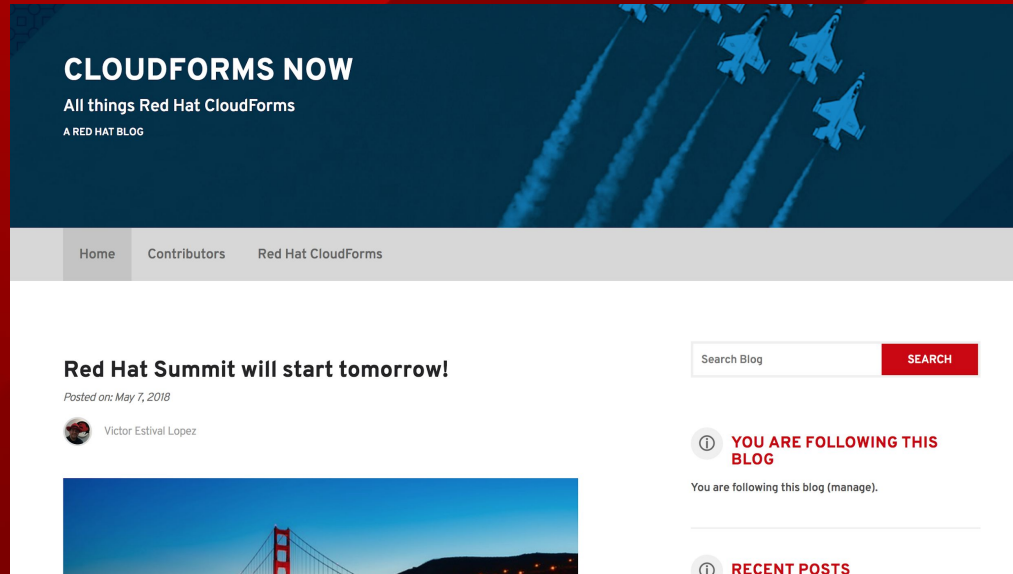
1:00-1:45PM

Transforming IT Ops:  
The Future of IT Automation and Management

2:00-2:45PM

Giving Power to the People with Ansible at  
General Mills

# Do you know our blog? cloudformsnow.com







# FINAL TASK:

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

Red Hat CloudForms with Red Hat Ansible Automation -  
Better together

Christian, Victor, Götz, Michael, Fabien  
2018-05-08

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# THANK YOU



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