

RED HAT
SUMMIT

BOSTON, MA
JUNE 23-26, 2015

TASTE OF TRAINING

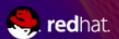
Red Hat CloudForms RHEV Provisioning

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WHAT IS CLOUDFORMS?

RED HAT OPEN HYBRID CLOUD



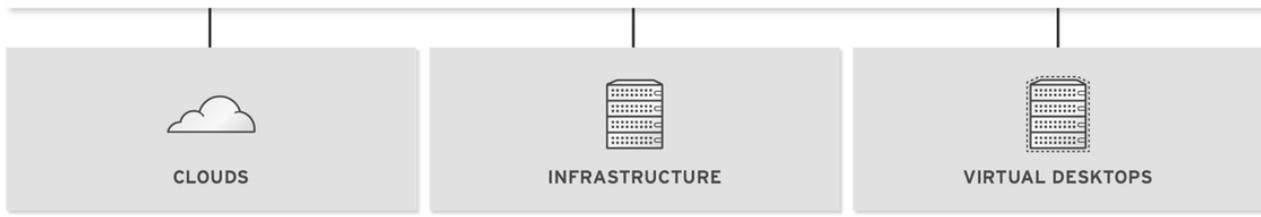
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SINGLE PANE OF GLASS



ADAPTIVE MANAGEMENT PLATFORM™



CLOUDFORMS RHEV PROVISIONING

Prerequisites

- **A working RHEV environment**
- **A running CloudForms appliance**
- **A working CloudForms environment w/ the Automate role**
- **One hypervisor in RHEV**

In this lab you will:

- **Import a template in RHEV**
- **Create a RHEV template**
- **Provisioning a new VM using the RHEV template**

Before you begin:

- **The RHEV infrastructure must be "up & running" (We'll review the RHEV infra.)**
- **The CloudForms VM needs to be up**
- **There is a RHEV provider in CloudForms**
- **The Automation role is enabled and started**

PROVISIONING WITH CLOUDFORMS

LOG INTO DESKTOP

SSH INTO RHEV

```
$ ssh root@rhevm.pod1.example.com
```

RETRIEVE THE IMAGE

```
$ wget http://classroom.example.com/materials/small-rhel6.ova
100%[=====>] 518,556,350 30.6M/s   in 17s
```

...

UPLOAD IT

```
$ engine-image-uploader -e export1 upload small-rhel6.ova
REST API Password: redhat
```

...

Run the CF Appliance

- From Desktop, launch Firefox; go to:
 - <https://rhevm.pod1.example.com> (admin/ redhat)
- Navigate to System > Virtual Machines
- Right-click the VM "cfme3.1"; select "Run"

Create a RHEV Template

- Navigate to System > Data Centers > dcenter1 > Storage
- Select the link for the export1 storage domain from the list
- Select the "small-rhel6.4.1 image ; click the "Import" button
- Navigate to "Templates" ; make sure the image is "OK"

Review CloudForms Configuration

- Log into CloudForms
 - <http://cfme.pod1.example.com> (admin/smartvm)
- Review the provider, the server roles, as well as the templates

Create the Provisioning Request

- Navigate to Infrastructure > Virtual Machines > Lifecycle > Provision
- Define the provisioning request

Monitor the Provisioning Request

- Services > Requests

Review the Provisioning Request

- Retrieve the VM's public IP
- SSH into the VM (root/redhat)

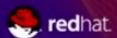
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