

# **Red Hat CloudForms Hybrid Cloud Management (CL220VT)**

**Modality:** Virtual Classroom

**Duration:** 5 Days

## **About this course:**

### **Manage and deploy systems in hybrid cloud environments**

Red Hat CloudForms Hybrid Cloud Management (CL220) is for cloud administrators and operators who need to use Red Hat® CloudForms to manage cloud instances running on multiple cloud providers or virtualization infrastructures.

This course is based on Red Hat CloudForms 4.

In this course, students use a hybrid environment, configure Red Hat CloudForms to work with Red Hat Virtualization and Red Hat OpenStack® Platform, deploy virtual machines (VMs) with templates and customization, produce chargeback reports on VM and resource use and automations, and perform policy-based management. This course covers CloudForms tenants, interface customization, timeline and event analysis, and service provisioning.

Red Hat CloudForms Hybrid Cloud Management (CL220) can also help you in your preparation for the Red Hat Certified Specialist in Hybrid Cloud Management exam (EX220) and become a Red Hat Certified Specialist in Hybrid Cloud Management.

## **Course Objective:**

- Configure Red Hat CloudForms 4
- Define regions, zones, tenants, users, groups, and roles
- Provision and manage VMs
- Generate reports and cloud information from CloudForms analytics
- Configure Red Hat CloudForms alerts
- Automate tasks with CloudForms
- Manage service catalogs
- Use Ansible by Red Hat with CloudForms to automate system configuration

## **Audience:**

- Cloud administrators and cloud operators responsible for maintaining hybrid cloud environments
- Cloud architects who intend to use CloudForms for management and analysis of their company's cloud environment
- DevOps engineers responsible for creating an environment that provides virtual machines (VMs) for developing and testing applications, building service catalogs, and automating workflows

## Prerequisite:

- Red Hat Certified System Administrator (RHCSA®) or equivalent system administration skills
- Knowledge of Red Hat Virtualization, Red Hat OpenStack Platform, vSphere, or Elastic Compute Cloud (EC2) is helpful but not required

## Course Outline:

### Introduce Red Hat CloudForms

Introduce and describe CloudForms architecture and terminology.

### Implement CloudForms

Deploy and configure the CloudForms appliance.

### Connect to CloudForms providers

Connect CloudForms to infrastructure, cloud, and network providers.

### Organize CloudForms

Create tenants, users, and tags for CloudForms management.

### Provision virtual machines

Provision virtual machines (VMs) using CloudForms.

### Manage resource policies

Implement CloudForms control and compliance policies.

### Generate CloudForms reports

Display information on VMs and their resource use.

### Manage the CloudForms lifecycle

Manage CloudForms lifecycle events.

### Analyze metrics with CloudForms Intelligence

Use CloudForms Intelligence metrics to analyze infrastructure utilization.

### Configure CloudForms alerts

Set up alarms and triggers to monitor infrastructures.

## **Automate tasks in CloudForms**

Execute CloudForms automations to speed up delivery.

## **Manage catalogs**

Manage catalogs and order services from a catalog.

## **CloudForms automation with Ansible**

Automate CloudForms deployment with Ansible Tower by Red Hat.