

# RED HAT CLOUDFORMS HYBRID CLOUD MANAGEMENT CL220

Manage and deploy systems in hybrid cloud environments

COURSE DURATION : 4 DAYS  
DATASHEET



## COURSE CONTENT SUMMARY

- 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

## THIS COURSE IS BASED ON RED HAT CLOUDFORMS 4.

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.

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.

## 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

## PREREQUISITES FOR THIS COURSE

- 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

## WAYS TO TRAIN/TEST

Red Hat offers a method of training that is convenient to you - classroom, online, or at your site.

## 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.



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**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.

**AFTER THE COURSE**

**RED HAT CERTIFIED SPECIALIST IN HYBRID CLOUD MANAGEMENT EXAM (EX220)**

Prove your skills and knowledge to deploy and manage a virtualization infrastructure using Red Hat CloudForms.

**RED HAT OPENSTACK ADMINISTRATION I (CL110)**

Learn how to install, configure, use, and maintain Red Hat OpenStack Platform.

**AUTOMATION WITH ANSIBLE (DO407)**

Learn to install and configure Ansible, create and run playbooks to configure systems, and manage inventories with Ansible by Red Hat and Red Hat Enterprise Linux®.

**RED HAT VIRTUALIZATION (RH318)**

Gain the skills required to deploy and manage virtual environments with Red Hat Enterprise Linux, managed through Red Hat Virtualization.

**IMPACT OF THIS TRAINING**

**IMPACT ON THE ORGANIZATION**

This course is intended to develop the skills needed to simplify workload management in a hybrid cloud environment, reducing the need for training in multiple technologies. Workloads can be migrated between public and private clouds to ensure the best value is obtained, and workflow automation can reduce time spent performing manual tasks saving on labor costs.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.



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#### ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

Learn more at [redhat.com](http://redhat.com).

#### IMPACT ON THE INDIVIDUAL

As a result of attending this course, students should be able to audit and manage workloads in a hybrid cloud environment.

Students should be able to demonstrate the following skills:

- Deploy CloudForms
- Connect various providers
- Provision virtual machines
- Perform SmartState analysis of virtual machines
- Create control and compliance policies
- Create custom reports
- Manage alerts
- Automate tasks
- Create Catalogs



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