

# Red Hat Certified Specialist in MultiCluster Management



## Online Course



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# Red Hat Certified Specialist in MultiCluster Management

## Course Modules

### 1. Manage & deploy Red Hat Advanced Cluster Mgmt (RHACM)

- Understand how RHACM components work
- Deploy RHACM using Red Hat OpenShift Container Platform
- Install RHACM agents in a managed cluster
- RHACM from the web terminal or the command line interface

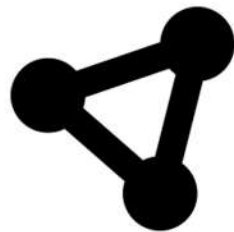
### 2. Work with multiple OpenShift Container Platform clusters

- Import a cluster
- Remove an existing cluster



### 3. Configure access control for multi cluster management

- Configure objects related to access control in a fleet cluster
- Use the multi cluster management dashboard search engine
- Create and manage role based access controls (RBAC)
- Manipulate policies for group and users
- Manipulate cluster sets



### 4. Deploy and manage policies for multiple clusters

- Understand governance architecture and related components
- Manipulate RHACM policies and related components
- Config and use the Compliance Operator for multiple clusters
- Compliance Operator policy cluster resource
- Definitions works and be able to manipulate them

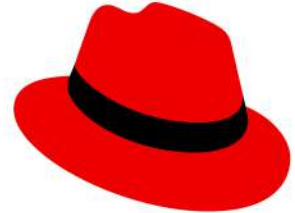




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## 5. Manage the RHACM observability service

- Understand the RHACM observability architecture
- Enable the observability service
- Manage the observability service
- Customize the observability service

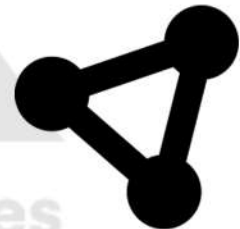


## 6. Manage multi cluster application resources

- Be able to work with Git from the CLI
- Organize Git repositories to support GitOps
- Manipulate applications using Git repositories
- Use the application console to manage manipulate applications

## 7. Use Kustomize to manage resources

- Understand how to manage templates
- Manage apps using Kustomize



## 8. Deploy and Configure Red Hat Quay

- Understand the Red Hat Quay architecture and components
- Configure the Quay Operator and related objects
- Understand the Red Hat Quay tenancy model
- Use Podman and Skopeo to manipulate images in repositories

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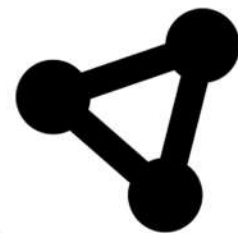
## 9. Config Red Hat Advanced Cluster Security (RHACS)

- Security considerations in Kubernetes multi cluster envmt
- Understand the RHACS architecture
- Manage advanced cluster security
- Customize advanced cluster security settings



## 10. Integrate RHACM with OpenShift pipelines and GitOps

- Understand RHACM application policies
- Understand pipeline operators
- Deploy OpenShift GitOps in a hub cluster
- Integrate CI/CD pipeline with RHACM



## 11. Import managed clusters into RHACS

- Import a secured clusters to RHACS
- Explore the RHACS by web console or cli
- Use Helm to deploy applications
- Understand how to manipulate images with podman

## 12. Perform multi cluster vulnerability management with RHACS

- Scan and detect vulnerabilities using RHACS web console
- Create RHACS policy to prevent deployment of vulnerable img

## 13. Manage multi cluster configuration with RHACS

- Identify config management issues affecting a deployment
- Verify that configurations issue are resolved

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