



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

---

**Vous pouvez nous joindre ici**

Email: [training.ecs.fr@arrow.com](mailto:training.ecs.fr@arrow.com)  
Phone: 01 49 97 50 00

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
REH_318	32 Hours (4 Jours)	€3,240.00

## Description

Red Hat Enterprise Virtualization (RH318) teaches experienced system administrators how to use the virtualization features of Red Hat® Enterprise Linux® managed through the Red Hat Enterprise Virtualization suite.

## Objectifs

Students acquire the skills and knowledge to effectively create, deploy, manage, and migrate Linux virtual machines hosted on either dedicated Red Hat Enterprise Virtualization Hypervisor nodes or Red Hat Enterprise Linux servers using Red Hat Enterprise Virtualization Manager.

This course also helps candidates prepare for the Red Hat Enterprise Virtualization Administrator exam (EX318), which, if passed, earns them the Red Hat Certified Virtualization Administrator (RHCVA) certification.

Read the entire course outline for more details.

## Course content summary

- Deploy Red Hat Enterprise Virtualization.
- Configure Red Hat Enterprise Virtualization environment (datacenters, clusters, and storage domains).
- Install, manage, and troubleshoot virtual machines (servers and desktops).
- Create virtual machine snapshots.
- Use templates for rapid virtual machine deployment.
- Secure Red Hat Enterprise Virtualization environment with multilevel administrative roles.
- Monitor and create custom reports.
- Migrate virtual machines and explore high-availability options.

## Audience

- Experienced Linux system administrators responsible for managing enterprise servers who are interested in learning how to manage large numbers of servers or virtual machines using Red Hat Enterprise Virtualization
- IT professionals interested in earning a Red Hat Certified Virtualization Administrator (RHCVA) certification

## Training Development

### Overview of Red Hat Enterprise Virtualization

Define and discuss general virtualization, Kernel-based Virtual Machine (KVM), and the concept of virtualization in Red Hat Enterprise Virtualization.

### Install, configure, and test manager

Install, configure, secure, and troubleshoot Red Hat Enterprise Virtualization Manager.

### Install and configure hypervisor hosts

Install, configure, upgrade, and troubleshoot Red Hat Enterprise Virtualization Hypervisor.

### Create datacenters and clusters

Create datacenters and clusters using Red Hat Enterprise Virtualization Manager.

### Create and maintaining storage

Create and administer data, iso, and export storage domains using Red Hat Enterprise Virtualization.

### Create logical networks

Create logical networks using Red Hat Enterprise Virtualization Manager.

Deploy virtual machines

Install, deploy, and manage virtual machines (VMs) with appropriate drivers and agents using Red Hat Enterprise Virtualization.

Manage VM snapshots and images

Manage VMs with snapshots and share images using Red Hat Virtualization.

Automate VM deployment

Utilize templates, pools, and cloud-init to automate deployment of VMs using Red Hat Enterprise Virtualization.

Monitor and report Red Hat Enterprise Virtualization

Locate information using the Red Hat Enterprise Virtualization administration portal to generate reports of the environment.

Overview of advanced Red Hat Enterprise Virtualization topics

Describe backing up and restoring Red Hat Enterprise Virtualization, making Red Hat Enterprise Virtualization highly available, and using the application programming interface (API).

Install and configure Red Hat Enterprise Linux host

Install and configure a Red Hat Enterprise Linux host.

Migrate VMs and configure high availability

Migrate VMs manually and automatically, and configure high availability with live migration using Red Hat Enterprise Virtualization.

Comprehensive review

Review the course objectives.

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves

## Prérequis

IT professionals who have earned an Red Hat Certified System Administrator (RHCSA) certification or maintain the equivalent experience with Linux.

## Options

### RHCVA exam (EX318)

Hands-on, performance-based, 3-hour exam.

### RHCVA

Earn an RHCVA certification by proving your ability to deploy and manage virtual hosts in production environments using Red Hat Enterprise Virtualization.

## Dates de session

Sur demande. [Merci de nous contacter](#)

## Informations

### Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)