



## **RH318: Red Hat Virtualization**

### ***Outline for this course:***

- Overview of Red Hat Virtualization
  - Define and discuss general virtualization, Kernel-based Virtual Machine (KVM), and the concept of virtualization in Red Hat Virtualization.
- Install, configure, and test manager
  - Install, configure, secure, and troubleshoot Red Hat Virtualization Manager.
- Install and configure hypervisor hosts
  - Install, configure, upgrade, and troubleshoot Red Hat Virtualization Hypervisor.
- Create datacenters and clusters
  - Create datacenters and clusters using Red Hat Virtualization Manager.
- Create and maintaining storage
  - Create and administer data, iso, and export storage domains using Red Hat Virtualization.
- Create logical networks
  - Create logical networks using Red Hat Virtualization Manager.
- Deploy virtual machines
  - Install, deploy, and manage virtual machines (VMs) with appropriate drivers and agents using Red Hat 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 Virtualization.
- Monitor and report Red Hat Virtualization
  - Locate information using the Red Hat Virtualization administration portal to generate reports of the environment.
- Overview of advanced Red Hat Virtualization topics
  - Describe backing up and restoring Red Hat Virtualization, making Red Hat 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 Virtualization.
- Comprehensive review
  - Review the course objectives.