



# KKAR Technologies

...Career Through opportunities

**OpenStack** is a free and open-source software platform for cloud computing, mostly deployed as an infrastructure-as-a-service (IaaS). It is a set of software tools for building and managing cloud computing platforms for public and private clouds. Backed by some of the biggest companies in software development and hosting, as well as thousands of individual community members, many think that **OpenStack** is the future of cloud computing.

## Overview of the OpenStack

- ✓ Understand OpenStack
- ✓ Explore OpenStack architecture with both CLI and API functionalities
- ✓ Red Hat Enterprise Linux OpenStack Platform architecture
- ✓ Understand Red Hat Enterprise Linux OpenStack Platform features and terminology
- ✓ Red Hat Enterprise Linux OpenStack Platform installation
- ✓ Qpid message broker
- ✓ Install and configure the Qpid message broker service
- ✓ Secure Qpid using authentication and encryption
- ✓ Keystone identity service
- ✓ Install, configure, and use the Keystone authentication services
- ✓ Nova compute and controller services
- ✓ Install Nova compute and controller services
- ✓ Deploy an instance from the command line
- ✓ Implement an additional compute node
- ✓ Learn to add and remove additional Nova compute nodes
- ✓ Glance image service
- ✓ Install and use the Glance image service
- ✓ Cinder block storage service
- ✓ Install the Cinder block storage service
- ✓ Manage Cinder volumes
- ✓ Networking service
- ✓ Install, configure, and manage Red Hat Enterprise Linux OpenStack Platform networking service
- ✓ Heat orchestration service
- ✓ Install the Heat orchestration service
- ✓ Launch a stack using preconfigured templates
- ✓ Ceilometer metering service
- ✓ Install and manage the ceilometer metering service



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## Who Can do this Course ?

- ✓ System Administrators
- ✓ Technical Support
- ✓ Storage Administrators
- ✓ Network Engineers

## pre-requisites

The pre-requisites for this course include knowledge in virtualization, Linux administration, use of SSH\SCP along with basic understanding on basic Command Line Interfaces.