

Training: Red Hat  
CL332 High Availability with Red Hat Enterprise Linux OpenStack Platform

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	1150 EUR	2 days
Traditional	CTAB Tablet	1250 EUR	2 days
Distance learning	Hardcopy	1150 EUR	2 days
Distance learning	CTAB Tablet	1150 EUR	2 days

## LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

## TRAINING GOALS:

**High Availability for Red Hat® Enterprise Linux® OpenStack® Platform (CL332)** is for system administrators and cloud operators interested in high availability for Red Hat Enterprise Linux OpenStack Platform. This course provides a deeper dive into the high-availability features and tools than our [Red Hat OpenStack Administration \(CL210\)](#) course.

This course uses the top open source clustering and high-availability solutions on the market and provides a comprehensive plan to connect them with Red Hat Enterprise Linux OpenStack Platform. Students will implement each of the services in a highly available manner and test failover scenarios. Students will use Pacemaker, Corosync, CMAN tools, and HAProxy to implement cluster and other high-availability tools.

## CONSPECT:

- Introduction to high availability
  - Define how high availability can secure and improve Red Hat Enterprise Linux OpenStack Platform services.
- Deploying a high-availability cluster
  - Configure Pacemaker, Corosync and HaProxy for the OpenStack API services.
- Configure Red Hat Enterprise Linux OpenStack Platform services
  - Install Red Hat Enterprise Linux OpenStack Platform and configure the API services.
- Implement an active-passive MySQL cluster
  - Connect the MySQL database with the highly available architecture.
- Implement an active-active Qpid broker

- Set up and run a pool of message brokers to improve availability and reliability.
- Testing the environment
  - Run a unit test protocol for every service, and review and validate the high-availability services.
- Running failure scenarios
  - Fail various services and test high availability.
- Implement an even more highly available cloud
  - Explore innovative ways to secure your cloud data using top open source clustering solutions like MariaDB Galera and GlusterFS, a Red Hat community storage project.

## REQUIREMENTS:

- Deep knowledge of OpenStack services and their connectivity.
- Understanding of high-availability concepts and high-availability implementations.

## Difficulty level



## CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

## TRAINER:

Red Hat Certified Instructor.