2 Days

High Availability with Red Hat Enterprise Linux OpenStack Platform

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.

Course Details

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Course Outline

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.

Who Should Attend

Linux system administrators and cloud administrators interested in, or responsible for, maintaining a private cloud. Cloud operators interested in providing high availability for their cloud. RHCE certification or requisite level of knowledge is highly recommended.

Pre Requisite

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

Exams

High Availability with Red Hat Enterprise Linux OpenStack Platform []

Date - May 20, 2024