

## [RH259]: Red Hat Enterprise Linux for SAP Solutions

Length : 3 days  
Delivery Method : Instructor-led (Classroom) / Virtual Training

### Course Overview

#### Deploy and combine the power of SAP applications

Red Hat Enterprise Linux for SAP Solutions (RH259) is designed to teach Linux® administrators how to adapt Red Hat® Enterprise Linux for the installation and operation of the in-memory database SAP HANA. This course discusses the system architecture with a focus on performance tuning and troubleshooting in order to meet the requirements of SAP. This course is based on Red Hat Enterprise Linux 7.4.

#### Audience Profile

This course is designed for system administrators who manage SAP environments on Red Hat Enterprise Linux and are interested in learning how to get the storage and network performance required.

#### At Course Completion

#### Impact on the organization

Many large enterprises depend on SAP solutions to run critical systems for their business applications. These systems are best supported on Red Hat Enterprise Linux. After completing this course, system administrators will gain the necessary skills required to operate SAP and SAP HANA on Red Hat Enterprise Linux 7.

#### Impact on the individual

You should be able to demonstrate these skills:

- Build knowledge needed to install and operate SAP HANA successfully on Red Hat Enterprise Linux 7.
- Review techniques on performance tuning and troubleshooting to get the most out of Red Hat Enterprise Linux when using SAP products.

*\*\*Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary. \*\**

#### Pre-Requisites

- Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience.

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## Course Outline

### Module 1: Get help in Red Hat Enterprise Linux

#### Lessons

- Resolve problems using Red Hat support utilities and on-line systems

### Module 2: Perform service management and boot troubleshooting

#### Lessons

- Control and monitor system daemons and troubleshoot the Red Hat Enterprise Linux boot process

### Module 3: Configure system tunable

#### Lessons

- Learn several methods to configure operating system tuning parameters

### Module 4: Manage IPv4 networking review

#### Lessons

- Configure and troubleshoot basic IPv4 networking on Red Hat Enterprise Linux systems

### Module 5: Execute network teaming

#### Lessons

- Learn how to configure 803.3ad network link aggregation

### Module 6: Update software packages

#### Lessons

- Download, install, update, and manage software packages from Red Hat and YUM package repositories

### Module 7: Manage tune profiles

#### Lessons

- Deploy the automatic tuning daemon and create tune profiles

### Module 8: Limit resource usage

#### Lessons

- Configure POSIX resource limits and manage control groups.

### Module 9: Understand storage profiling

#### Lessons

- Describe and use tools to generate a storage profile

### Module 10: Tune file systems

#### Lessons

- Tune Linux filesystems for a databased workload

### Module 11: Explore SAP HANA architecture

#### Lessons

- Understand the core concepts of the SAP HANA architecture

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## **Module 12: Learn Red Hat Enterprise Linux for SAP HANA**

### **Lessons**

- Understand the requirement of and how to install the SAP HANA add-on for Red Hat Enterprise Linux and SAP HANA Express.

## **Module 13: Consider Red Hat Enterprise Linux for SAP HANA deployment options**

### **Lessons**

- Learn various ways to deploy Red Hat Enterprise Linux for SAP HANA in the cloud or using Red Hat Satellite or Red Hat Ansible Automation.

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic.

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