

5 Days

## EX442: Red Hat Enterprise Performance Tuning with exam

This course discusses system architecture with an emphasis on: Understanding the implications on system performance. Methods for testing the effects of performance adjustments. Open source benchmarking utilities. Methods for analyzing system and networking performance. Tuning configurations for specific application loads. This course can also help you prepare for the Red Hat Certificate of Expertise in Performance Tuning exam (EX442). This version of the course includes the exam.

## Course Details

### Course Outline

Introduction to performance tuning Understand the basic principles of performance tuning and analysis. Collecting, graphing, and interpreting data Gain proficiency in using basic analysis tools and evaluating data. General tuning Learn basic tuning theory and mechanisms used to tune the system. Limiting resource usage Hardware profiling Understand and analyze hardware. Software profiling Analyze CPU and memory performance of applications. Small file tuning Tune a server for a workload involving frequent reads and writes of small files. Large memory workload tuning Understand memory management and tuning. Tuning for a CPU-intensive workload Understand tuning for CPU-bound applications. File server tuning Understand storage and network tuning in the context of a file server application. Database server tuning Tune memory and network performance using a database application as an example. Power usage tuning Tune systems with power consumption in mind. Virtualization tuning Tune 'host' and 'guest' for efficient virtualization.

### Who Should Attend

Senior Linux system administrators responsible for maximizing resource utilization through performance tuning.

### Pre Requisite

Red Hat Certified Engineer (RHCE®) certification or equivalent experience. Candidates who have not earned their RHCE, can confirm they have the correct skills by passing our online skills assessment.

### Exams

Red Hat Enterprise Performance Tuning with exam [EX442]

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