RH442
Red Hat Enterprise Performance Tuning (RH442)

This course is based on Red Hat Enterprise Linux 7

Outline for this course

Introduction to performance tuning
Understand the basic principles of performance tuning and analysis.

Collecting, graphing, and interpreting data
Gain proficiency using basic analysis tools and evaluating data.

General tuning
Learn basic tuning theory and mechanisms used to tune the system.

Limiting resource usage
Allocate resources for best performance by limiting resource usage.

Hardware profiling
Understand and analyze hardware.

Software profiling
Analyze CPU and memory performance of applications.

Using SystemTap
 Use systemtap for profiling software.

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.

Red Hat Performance Tuning Comprehensive Review

Do a comprehensive overview of the course.