

RH442 Syllabus

Performance tuning and capacity planning for Red Hat Enterprise Linux

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 in evaluating data.

General tuning

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

Hardware profiling

Understand and analyze hardware.

Software profiling

Analyze CPU and memory performance of applications.

Mail server tuning

Learn about basic storage tuning using an email server as an example.

Large memory workload tuning

Understand memory management and tuning.

HPC workload tuning

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.