

Training: Red Hat
RH443 Red Hat Enterprise Performance Tuning with EX442 exam



FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	2650 EUR	5 days
Traditional	CTAB Tablet	2750 EUR	5 days
Distance learning	Hardcopy	2650 EUR	5 days
Distance learning	CTAB Tablet	2650 EUR	5 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

Red Hat Enterprise Performance Tuning teaches senior Linux system administrators about performance tuning for **Red Hat Enterprise Linux**.

This course discusses system architecture with 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 \(EX442\)](#).

Audience for this course:

- This course is intended for Senior Linux system administrators responsible for maximizing resource utilization through performance tuning

CONSPECT:

- 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
- 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.
- Exam

REQUIREMENTS:

- [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

Difficulty level



CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

TRAINER:

Red Hat Certified Instructor

ADDITIONAL INFORMATION:

This course prepares you for these credentials

- **Red Hat Certified Architect - RHCA®**

RHCA certification represents a depth of knowledge in Red Hat Enterprise Linux and breadth of knowledge across other Red Hat technologies.

- Certificates of Expertise

Certificates of Expertise are incremental credentials attached to an **RHCE certification** that demonstrate skills and knowledge in specialized areas.