

Training: Red Hat
RH442 Red Hat Enterprise Performance Tuning

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	2250 EUR	4 days
Traditional	CTAB Tablet	2350 EUR	4 days
Distance learning	Hardcopy	2250 EUR	4 days
Distance learning	CTAB Tablet	2250 EUR	4 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

- 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.

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:

Recommended next exam or course:

EX442 Red Hat Certificate of Expertise in Performance Tuning exam

Tests candidates' ability to use standard system tools to analyze the performance of Red Hat Enterprise Linux and applications running on it and to modify the behavior of the system and applications to improve system performance.

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.