

Riverbed RCPE Professional Enterprise WAN Optimization - EOPT

Duration: 5 Days**Course Description:**

The Riverbed® Certified Performance Engineering (RCPE) Professional Implement WAN Optimization course introduces WAN optimization technology to accelerate delivery of applications over the hybrid WAN for the modern IT enterprise.

The primary objective of the RCPE Professional Level course in WAN Optimization is to teach IT professionals how to increase the performance of applications to enhance the user experience and therefore increase productivity.

Use cases for implementation of WAN optimization architectures and how these solutions can enhance digital performance will be reviewed.

Upon completion of this course, participants will be able to greatly improve application performance for a multi-site organization across WANs by installing and configuring appliances.

The RCPE Professional Level Implement WAN Optimization training is a key component of the RCPE WAN Optimization Track.

Course Objectives:

After completing this course, participants will be able to:

- Describe the challenges experienced by hybrid enterprises and how WAN optimization can help
- Deploy optimization in complex environments
- Redirect traffic to SteelHeads Out-of-Path
- Implement Web Cache Control Protocol V2
- Cluster SteelHeads using Interceptors
- Analyze the advantages and disadvantages of each deployment option
- Optimize home-based or mobile workers
- Optimize cloud-based applications
- Deploy virtual SteelHead solutions
- Secure and harden your SteelHeads
- Increase performance using TCP enhancements
- Compile topologies to enable network services
- Manipulate traffic using QoS to manage congestion
- Enhance application performance using path selection
- Encrypt traffic using Secure Transport

Target Audience:

- Classroom training is available to prospective students and includes lectures by a Riverbed Certified Solution Instructor (can be In-person or Virtual instructor-led) and access to the Riverbed eLabs for hands-on experience. Each class is priced per student attendee. We recommend dedicated classroom training for organizations with 8 or more students.
- Dedicated Classroom Training is available exclusively for one customer at a customer-designated facility. Each class includes lectures by a Riverbed Solution Instructor and access to the Riverbed eLabs. Each class is priced per event and is ideally suited for 8 students to 14 students.
- Self-Paced training is available to students and combines rich and interactive content, along with hands-on labs, delivered through the Riverbed Education Portal and conducted at your own pace

Course Outlines:**Plan**

- Review Optimization Principles
- Deploy Optimization in Complex Environments
- Redirect Traffic to SteelHeads Out-of-Path
- Implement Web Cache Control Protocol V2
- Cluster SteelHeads Using Interceptors
- Analyze the Advantages and Disadvantages of each Deployment Option

Plan – Build

- Optimize Home-based or Mobile Workers
- Optimize Cloud-based Applications
- Deploy Virtual SteelHead Solutions
- Secure and Harden your SteelHeads

Optimize

- Increase Performance Using TCP Enhancements
- Compile Topologies to Enable Network Services
- Manipulate Traffic using QoS to Manage Congestion
- Enhance Application Performance Using Path Selection
- Encrypt Traffic Using Secure Transport

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