

# RCPE Professional Datacenter Optimization Architecture



## RCPE-P-DOPT

This four-day professional level course covers enhanced digital performance through WAN optimization solutions.

The Riverbed® Certified Performance Engineering (RCPE) Professional Application Optimization instructor-led course teaches IT professionals how to optimize user traffic between clients and servers and from one site to the next.

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

Upon completion of this course, participants will be able to greatly improve user experience across Wide Area Networks (WANs) through installing and configuring Riverbed cloud and virtual SteelHead solutions and implementing related optimization technologies.

The RCPE Professional Level Application Optimization instructor-led training is a key component of the RCPE WAN Optimization Track.

## Learning Objectives and Capabilities

After completing this course, participants will be able to:

- Describe the operations TCP performs to ensure the integrity of in-flight data.
- Integrate appliances into your environment using auto discovery.
- Increase system performance using TCP enhancements.
- Configure solutions to mitigate asymmetry issues.
- Compare how optimization affects WAN and LAN traffic.
- Differentiate between the different deployment options.
- Distribute and scale optimized traffic using load balancing solutions.
- Deploy and configure WAN optimization solutions on cloud and virtual environments.
- Optimize network connections over various topologies.
- Manage network traffic and congestion using QoS.
- Use path selection to route applications for optimal performance and bandwidth usage.
- Implement end-to-end traffic encryption using secure transport.

## Relevant Solutions

- SteelHead SD, SteelHead Interceptor, SteelHead CX, SteelCentral Controller for SteelHead, and SteelCentral Portal

## Course Availability

Cost: 40 Training Credits

Classroom training is available to prospective students and includes lectures by a Riverbed Certified Solution Instructor 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.

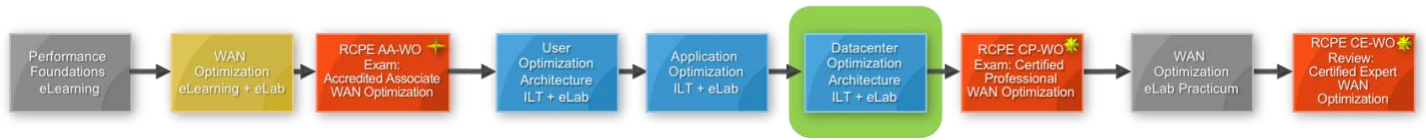
Dedicated Classroom Training is available exclusively for one customer at a customer-designated facility. Each class includes lectures by a Riverbed Solution Instructor and access to the Riverbed eLabs. Each class is priced per event and is ideally suited for 8 students to 14 students.

## Course Outline

Design Workflow	Modules
Review	<ul style="list-style-type: none"><li>• Describe TCP Operations</li><li>• Integrate SteelHeads Using Auto Discovery</li><li>• Increase Performance Using SteelHead TCP Enhancements</li><li>• Migrate Network Asymmetry Issues</li><li>• Visualize the Effects of Optimization</li></ul>
Plan	<ul style="list-style-type: none"><li>• Review Deployment Options</li></ul>
Build	<ul style="list-style-type: none"><li>• Deploy SteelHead Interceptors</li><li>• Deploy SteelHead Cloud Solutions</li></ul>
Optimize	<ul style="list-style-type: none"><li>• Build and Configure Topologies</li><li>• Implement and Configure QoS</li><li>• Enhance Application Performance Using Path Selection</li><li>• Encrypt Traffic Using Secure Transport</li></ul>

# RCPE Professional: Datacenter Optimization Architecture Certification Track

You are here...



## More Information

For more information, please visit the RCPE section of our website:

<https://www.riverbed.com/RCPE>

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### About Riverbed

Riverbed®, The Digital Performance Company™, enables organizations to maximize digital performance across every aspect of their business, allowing customers to rethink possible. Riverbed's unified and integrated Digital Performance Platform™ brings together a powerful combination of Digital Experience, Cloud Networking and Cloud Edge solutions that provides a modern IT architecture for the digital enterprise, delivering new levels of operational agility and dramatically accelerating business performance and outcomes. At more than \$1 billion in annual revenue, Riverbed's 30,000+ customers include 98% of the *Fortune* 100 and 100% of the *Forbes* Global 100.

Learn more at [riverbed.com](https://www.riverbed.com).

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