

# RCPE Professional Packet Visibility & Analysis



## RCPE-P-PKTV

This five-day professional level course covers the concepts and use-cases of network-based application performance monitoring and troubleshooting using packet visibility solutions.

The Riverbed® Certified Performance Engineering (RCPE) Professional Packet Visibility & Analysis instructor-led training course teaches IT professionals how to plan, build, and run enterprise grade packet capture and analysis solutions that can be used to monitor, triage, and troubleshoot network application performance.

Upon completion of this course, participants will be able to execute on core concepts critical to understanding performance problems and bottlenecks in modern multi-tier networked applications. In addition, they will analyze metrics collected using packet capture and inspection techniques. Participants will also gain hands on configuration and problem-solving experience.

The RCPE Professional Level Packet Visibility and Analysis instructor-led training is a key component of the RCPE Network & Infrastructure Visibility Track.

## Learning Objectives and Capabilities

After completing this course, participants will be able to:

- Describe potential reasons for poor application performance.
- Explain network-based application performance monitoring and troubleshooting.
- Identify causes of common performance problems using Insights.
- View network and application usage and performance data.
- Describe how the AppResponse solution identifies applications.
- Describe the traffic matching criteria used by the AppResponse solution.
- Monitor Web Applications.
- Evaluate Web Application and Database Performance.
- Describe Metrics and Data Types.
- Investigate Performance Problems.
- Create Filters and Policies for Triage.
- Describe Troubleshooting and Predictive Use Cases.

## Relevant Solutions Addressed:

- Riverbed SteelCentral AppResponse, SteelCentral Packet Analyzer, and SteelCentral Transaction Analyzer

## Course Availability

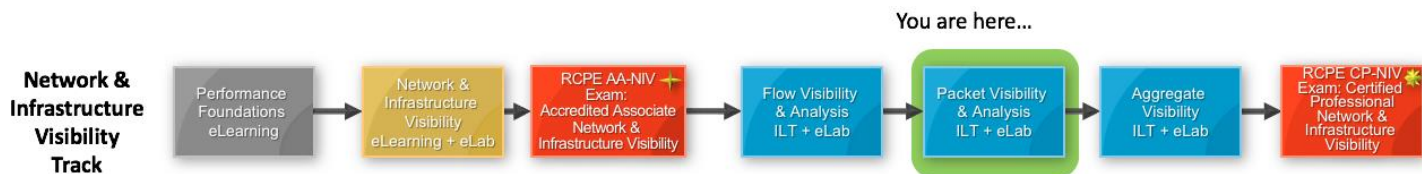
Classroom training is available to prospective students and includes lectures by a Riverbed Certified Solution Instructor and access to the Riverbed eLabs for hands-on experience. Each class is priced per student attendee. We recommend dedicated classroom training for organizations with 8 or more students.

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

Modules	Course Topics
Plan	<ul style="list-style-type: none"><li>• Value of performance management</li><li>• Plan packet capture deployments</li><li>• Common performance questions</li><li>• View usage and performance</li></ul>
Build	<ul style="list-style-type: none"><li>• Configure appliances</li></ul>
Run	<ul style="list-style-type: none"><li>• Monitor:<ul style="list-style-type: none"><li>– Evaluate TCP/IP performance and app performance</li><li>– Configure policies and alerts</li><li>– Integrate flow collection and dashboards</li></ul></li><li>• Triage:<ul style="list-style-type: none"><li>– Investigate performance problems</li><li>– Identify and retrieve packets</li><li>– Filter and view packets remotely</li><li>– Analyze packets remotely</li><li>– Perform transaction analysis</li></ul></li><li>• Troubleshoot:<ul style="list-style-type: none"><li>– Visualize transactions</li><li>– Diagnose transactions</li><li>– Predict transaction performance</li><li>– Capture packets using Agents</li><li>– Filter and import packets</li><li>– Integrate application performance solution</li><li>– Analyze server-side application data</li></ul></li></ul>

# RCPE Professional: Network & Infrastructure Visibility Certification Track



## 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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