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Think fast.

Validate performance before deployment

Every enterprise relies on complex applications and information systems to manage business processes and communicate effectively with its customers. Even so, application performance issues are common, and the time associated with production troubleshooting can be unacceptably long, which decreases your employee productivity and customer satisfaction while increasing costs. Identify and prevent performance problems before deployment with the Application Network Readiness Service from Riverbed Professional Services.

Key service benefits

- Protect against unsuccessful application deployments due to failure to meet performance goals
- Ensure applications meet end-user response time requirements
- Accurately size the network capacity to meet service level demands
- Create a common, enterprise-wide view of application performance
- Expose the dominant factors that directly determine response time performance
- Identify performance problems before deployment

Gain enterprise–wide visibility without disruption

The Application Network Readiness Service ensures you meet your application deployment goals in the quickest, most risk-proof means possible. The service provides pre-deployment visibility into the performance of applications to prevent production issues related to poor design or insufficient network resources. Using your deployment requirements, the service validates that the application will meet performance objectives, including service level agreements (SLAs), and that it is deployable within your network capacity size limits.

The service reports on the predicted end-user response times for a defined set of key transactions for tested applications in each deployment scenario. Using industry-leading hybrid simulation, the transaction analysis predicts key elements of processing or delay so that recommendations for mitigating identified inefficiencies can be made. The service also documents the network usage of the application to assess whether sufficient capacity is currently available to deploy the application, or to provide upgrade or other remediation recommendations.

Unlike other services that can burden your network, the Application Network Readiness Service utilizes lightweight packet capture agents on a client that can be quickly and unobtrusively deployed, typically in a test or QA environment.

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Service overview

Upon completing a pre-engagement consultation and confirming a start date, your assigned Riverbed consultant and delivery lead will perform five phases of activity.

Phase 1: analyze

- Identify key representative transactions
- Define transaction performance requirements and/or SLAs
- Identify the target network deployment architecture
- Document peak usage scenarios for predictive analysis

Phase 2: design

- Define the test environment, including necessary data loading requirements
- Define transaction data collection strategy
- Document repeatable transaction workflow scripts
- Collect network configuration and existing usage data

Phase 3: enable

- Set up the test environment
- Collect transaction traces during workflow or script execution in a test or pilot deployment environment

Phase 4: operate

- Analyze the collected transactions to identify the measured response times and sources of delays or bottlenecks
- Predict expected response times using Multi-User QuickPredict® or other hybrid simulation techniques
- Generate a report highlighting predicted user response times, projected WAN utilizations, major delay sources or inefficiencies, and recommendations for improvements

Phase 5: evolve

- Present findings and recommendations
- Define any follow-on analysis opportunities

Scope and pricing

A total of 10 transactions will be analyzed and modeled, which can be single-step or multi-step. For any multi-step transactions, the analysis will be reported at the combined transaction level. Multiple service engagements can be combined to obtain coverage for larger and more complex applications.

During the engagement, Riverbed Professional Services will analyze client-to-front-end communications only and will not incorporate back-end data center communications. While the methodology will include data center processing, it will be treated as a "black box" and the performance of the servers will not be modeled or predicted beyond the measured performance.

The Application Network Readiness Service is generally performed remotely, although an optional, single site visit to collect transaction traces can be included in the project.

Ensure you meet your performance objectives

For pricing information, please contact your Riverbed Professional Services sales representative or send your inquiry to **proserve@riverbed.com.**

Learn more about Riverbed Professional Services at **www.riverbed.com/services-training.**

Related services

- **Application Performance Testing:** analyzes application performance during load, stress, volume, and scalability testing to ensure applications meet expected behavioral requirements
- **Application Performance Troubleshooting:** enables your team to quickly resolve production performance issues so you can continue to deliver the superior applications users expect

About Riverbed

Riverbed is the leader in Application Performance Infrastructure, delivering the most complete platform for Location-Independent Computing. Location-Independent Computing turns location and distance into a competitive advantage by allowing IT to have the flexibility to host applications and data in the most optimal locations while ensuring applications perform as expected, data is always available when needed, and performance issues are detected and fixed before end users notice. Riverbed's 24,000+ customers include 97% of the Fortune 100 and 95% of the Forbes Global 100. To learn more, go to www.riverbed.com.

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CRN TECH INNOVATOR AWARDS 2011

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2005, 2006, 2007, 2008, 2009, 2011