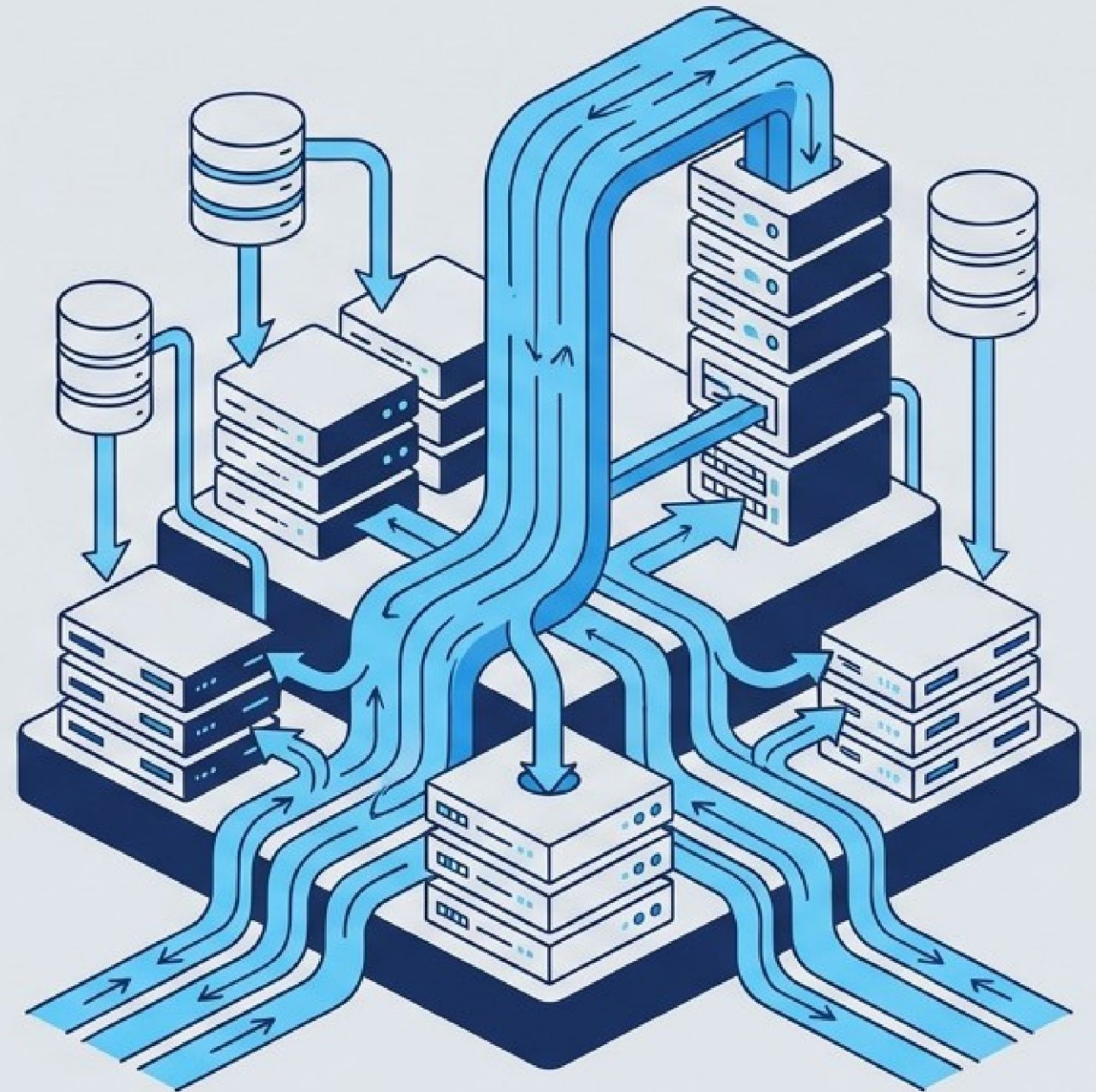


Rational Performance Tester (RPT): The Capability That Changes Everything

Equip teams with advanced performance testing skills to achieve optimal application reliability and scalability.

Instructor-Led Enterprise Training | edstellar.com



The Old State

Application Bottlenecks

Unidentified stress points
crashing under high user loads.

Inefficient Load Handling

Blind spots in application
behavior during peak traffic.

Fragmented Analytics

Inability to translate technical
metrics into business
intelligence.

The Turning Point

**Rational
Performance
Tester (RPT)
Corporate
Training**

The New Outcome

✓ Optimal Performance

Bottlenecks identified and
addressed pre-production.

✓ Scalable Reliability

Accurate simulation of real-
world usage scenarios.

✓ Data-Driven Execution

Precise performance
metrics to guide strategic
improvements.



24 - 32 hrs

Comprehensive
Duration



Expert-Led

Live Group
Training



Tri-Modal

Virtual, On-site,
or Off-site



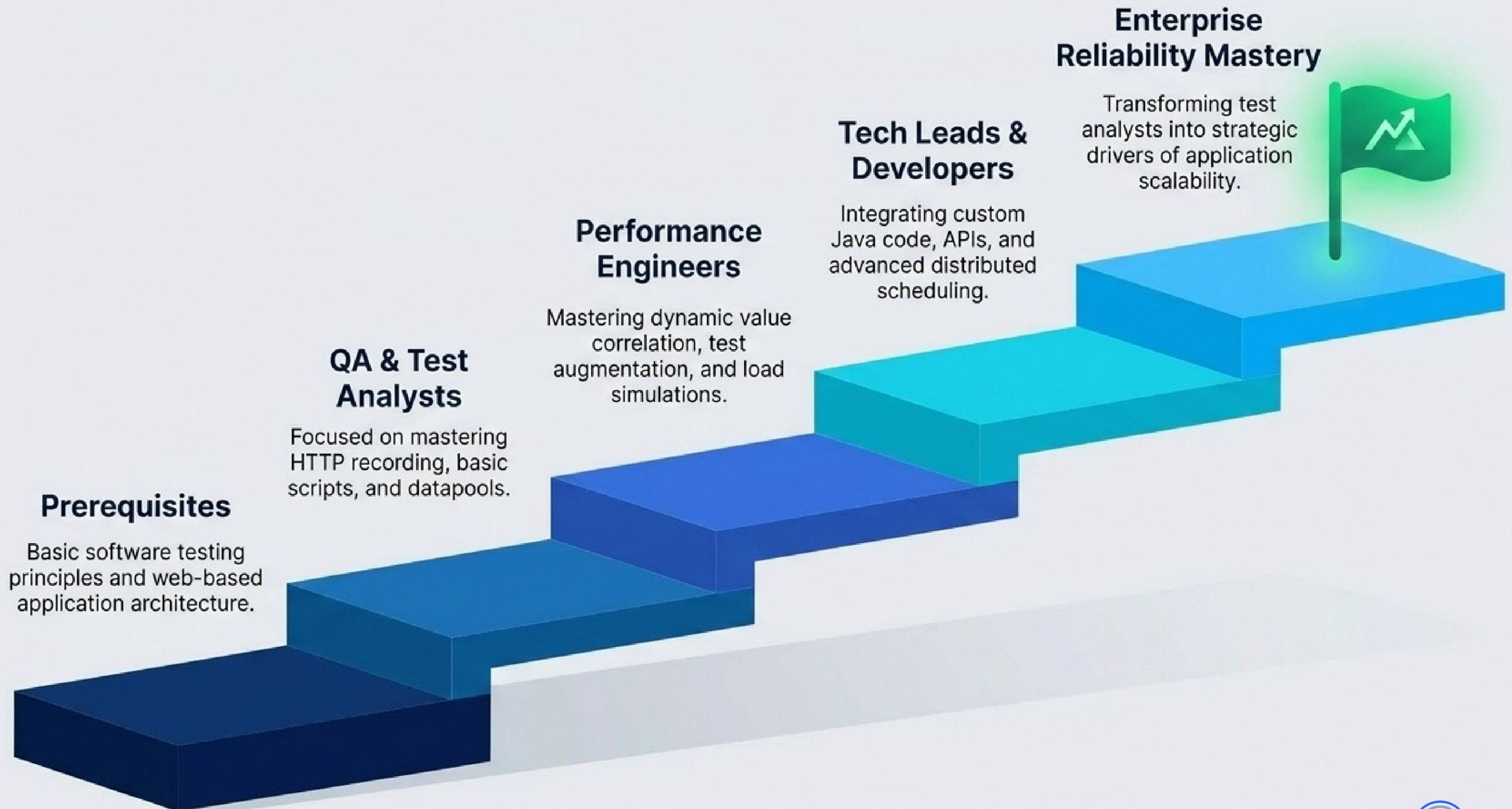
**10
Languages**

Global Delivery
Capability



Certified

Certificate of
Completion



Core Competencies Dashboard



Test Script Creation

Design and develop scripts to simulate user interactions and guarantee software reliability under varying loads.



Test Data Management

Organize, maintain, and analyze dynamic test data to ensure testing accuracy and efficiency.



Advanced Test Editing

Refine and augment test materials with verification points and realistic timing simulations.



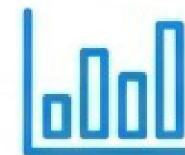
Custom Java Integration

Overcome standard limitations by creating tailored Java solutions to connect various software systems and APIs.



Test Schedule Configuration

Plan, organize, and orchestrate complex, distributed testing timelines for comprehensive coverage.



Performance Metrics Analysis

Evaluate data statistically to identify bottlenecks, driving informed decision-making and strategic improvements.

Phase 1 Architecture: Foundations & Scripting

Module 1: Performance Testing Basics

- Definition, objectives, and role in the software development lifecycle.
- Key concepts: Response time, throughput, load vs. stress testing.
- Network & HTTP: TCP/IP, network latency impacts, and HTTP methods (GET, POST).
- Introduction to IBM RPT and the Unified Change Management (UCM) system.

Module 2: Recording & Script Generation

- Browser configuration (handling cache/cookies).
- Capturing HTTP traffic and setting recording filters/exclusions.
- Generating scripts from traffic (parameterization & correlation techniques).
- Recording from secure websites (handling HTTPS, SSL/TLS encryption).
- Non-browser protocol recording and initial troubleshooting.

Phase 2 Architecture: Augmentation & Execution

Module 3: Test Editing & Data Correlation

- Data-driven testing approaches and realistic test data creation.
- Identifying and automating dynamic value correlation.
- Adding verification, checkpoints, and assertions to validate application responses.
- Configuring connection settings, think times, and pacing for realistic simulations.
- Modularizing and documenting test scripts for reuse.

Module 4: Playback & Debugging

- Initiating test execution and scheduling in the RPT interface.
- Monitoring test progress, system resources, and status updates in real-time.
- Interpreting playback results to identify performance issues.
- Analyzing log files and debug outputs to troubleshoot script errors.

Phase 3 Architecture: Advanced Extensibility

Module 5: Custom Java Code

- Incorporating custom Java to overcome standard tool limitations.
- Writing and implementing custom snippets within RPT.
- Generating dynamic test data by linking datapools to scripts.
- Enhancing scenarios by integrating external APIs and services.

Module 6: Test Scheduling

- Defining schedule parameters and complex recurrence patterns.
- Implementing advanced scenarios like distributed load testing.
- Controlling schedule behavior and fine-tuning execution parameters.



Crucial Capability: Custom Java Integration is strictly required for teams tasked with testing complex, non-standard application architectures or microservices.

Phase 4 Architecture: Analytics & Resource Monitoring

Module 7: Results Analysis & Reporting

- Statistical basis for interpreting performance metrics.
- Generating and customizing standard report templates.
- Pinpointing time-consuming application steps and critical bottlenecks.
- Prioritizing optimization efforts based on data-driven insights.



Module 8: Resource Monitoring

- Setting up performance schedules and defining monitoring intervals.
- Utilizing Windows Performance Monitor alongside RPT.
- Capturing and interpreting vital system resource counters.

Organizational Impact & Outcomes



Optimal Application Performance

Identify and ruthlessly eliminate stress-induced bottlenecks before they reach the production environment.



Scalable Reliability

Deploy highly accurate simulations of real-world usage to guarantee software stability under unpredictable user loads.



Advanced Ecosystem Coverage

Achieve deep testing integration across complex microservices and external APIs via Custom Java extensibility.



Comprehensive Executive Evaluation

Translate raw technical latency into statistical, data-driven reports that guide senior leadership's infrastructure investments.

Global Delivery Matrix

	Virtual Live	On-Site	Off-Site
Location & Logistics	Employee's own workspace. Zero travel required. Standardized globally.	Face-to-face at your corporate office. Tailored to local tools.	Premium external venue of your choice. Full uninterrupted schedule.
Learning Dynamics	Interactive remote tools. Easy scheduling across time zones.	Group exercises driving team collaboration. Direct trainer access.	Built-in group activities for bonding. Maximum focus and retention.
Best For...	Large, distributed global teams requiring consistent outcomes.	Co-located teams needing live demos on proprietary internal systems.	Strategic task forces requiring a morale boost and intensive focus.

Enterprise Licensing Packages

Most Popular

Starter

Tailored for SMBs.

- 120 Licenses.
- 64 hours of group training.

Growth

Ideal for growing enterprises.

- 320 Licenses.
- 160 hours of group training.

Enterprise

Designed for large corporations.

- 800 Licenses.
- 400 hours of group training.

Custom

Global corporate deployments.

- Unlimited Licenses.
- Unlimited / Tailor-made.

All packages include VILT (Virtual Instructor-Led) or In-person On-site delivery.



Vetted Global Trainers

Instruction strictly by industry experts with deep product lifecycle management experience.



Proven Quality

ISO 9001:2015 and ISO 27001:2022 certified for uncompromised delivery and security.



Industry-Relevant Curriculum

Modules engineered to match the evolving technical demands of modern architectures.



Fully Customizable

Hands-on exercises and real-world examples tailored to your exact tech stack.



Comprehensive Support

End-to-end learning engagement, from pre-session diagnostics to post-session sustainment.



Massive Global Scale

Proven delivery capability across 100+ countries in 10+ native languages.

Industry Validation

The Rational Performance Tester (RPT) training exceeded my expectations. I gained comprehensive knowledge of strategic frameworks that transformed my approach to practical and immediately applicable. I now handle complex technical scenarios with enhanced confidence and systematic efficiency.

Michelle Ferguson | Principal Quality Assurance Manager, Technology Consulting Services Company

As a Lead Automation Architect, the Rational Performance Tester (RPT) training provided our team with essential industry best practices at scale. The comprehensive modules covered our complete operational footprint. Our team has automated eighteen critical business processes, reducing manual effort by 70%.

Vaishali Das | Lead Automation Architect, IT Services and Solutions Provider



Certificate of Completion

This certificate is presented to

Name Your Name

This certifies that the training for the Rational Performance Tester
was with comprehensive virtual product lifecycle management
and systematic efficiency.

Name Name

Signature
IT Company

Signature

Signature
Technology Assurance Services

Recognition That Motivates.

Validates acquired skills and inspires
employees to drive organizational success.

Ready to scale your team's capability?

Get a tailored proposal for virtual, onsite,
or offsite delivery matching your exact
organizational footprint.



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