

QA

INTERMEDIATE

5 DAYS

Performance Testing using LoadRunner

Build a strong foundation in performance testing using LoadRunner by understanding its architecture, scripting capabilities, and testing workflows. Learn how to design realistic load scenarios, analyze system performance, identify bottlenecks, and apply advanced features to deliver reliable and scalable applications.

Why LoadRunner?

Ensure Optimal Application Performance

LoadRunner assesses application performance, addresses bottlenecks, and ensures optimal user experience.

Enhance User Satisfaction

LoadRunner helps you uncover and resolve performance issues, such as slow response times, crashes, or scalability limitations, before they impact end users.

Mitigate Business Risks

LoadRunner empowers your team to identify and mitigate performance risks proactively, reducing the likelihood of system failures, downtime, or data breaches that can harm your business.

What you'll be able to do

- ✓ Gain a comprehensive understanding of performance testing concepts and its importance in software development.
- ✓ Familiarise participants with the features, components, and architecture of LoadRunner.
- ✓ Learn to record user interactions effectively and customise scripts for realistic performance testing scenarios.
- ✓ Understand the techniques for parameterisation and data-driven testing to simulate dynamic user behaviour.
- ✓ Develop skills in designing test scenarios and workloads to emulate various load conditions.
- ✓ Learn how to utilise LoadRunner's performance monitors to capture system metrics and identify performance bottlenecks.
- ✓ Gain proficiency in defining and monitoring application transactions to measure response times and success rates.
- ✓ Develop the ability to analyse and interpret test results to identify performance issues and trends.
- ✓ Understand advanced LoadRunner features such as correlation, think time, rendezvous points, and pacing.

Who this is for

- Quality Assurance/Test Engineers
- Performance Testers
- Software Developers
- Test Managers
- System Administrators

Curriculum

01 Performance Foundations

- Apply performance foundations using LoadRunner in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

02 Planning

- Apply planning using LoadRunner in practical test workflows
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03 Scripting

- Apply scripting using LoadRunner in practical test workflows
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04 Correlation and Parameterization

- Apply correlation and parameterization using LoadRunner in practical test workflows
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05 Scenarios and Workloads

- Apply scenarios and workloads using LoadRunner in practical test workflows
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06 Execution and Monitoring

- Apply execution and monitoring using LoadRunner in practical test workflows
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07 Analysis

- Apply analysis using LoadRunner in practical test workflows
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08 Tuning

- Apply tuning using LoadRunner in practical test workflows
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09 Protocol and App Patterns

- Apply protocol and app patterns using LoadRunner in practical test workflows
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10 CI Integration

- Apply ci integration using LoadRunner in practical test workflows
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11 Best Practices

- Apply best practices using LoadRunner in practical test workflows
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