

QA

INTERMEDIATE

5 DAYS

Performance Testing with NeoLoad

Build a strong foundation in performance testing using NeoLoad to ensure application reliability and scalability. Learn how to design realistic load scenarios, script and customize tests, analyze performance metrics, and integrate performance testing into CI/CD pipelines for proactive performance optimization.

Why NeoLoad?

Ensure Application Reliability

By conducting performance testing with NeoLoad, you can proactively identify and address potential bottlenecks and ensure that your applications perform reliably, even under heavy loads.

Scalability and Capacity Planning

Performance testing with NeoLoad allows you to test the scalability and capacity of your application, ensuring it can handle anticipated loads without performance degradation.

Optimise User Experience

Performance testing helps you understand how your application behaves under different load conditions, enabling you to optimise response times and enhance user experience.

What you'll be able to do

- ✓ Understand the fundamentals of performance testing and its importance in ensuring application reliability and scalability.
- ✓ Gain proficiency in utilising NeoLoad, a leading performance testing tool, in simulating realistic user loads and measure application performance.
- ✓ Learn how to design and customise test scripts using NeoLoad's recording and scripting capabilities, including parameterisation, correlation, and validation.
- ✓ Explore load modelling techniques to accurately replicate real-world scenarios, including workload distribution, user profiles, and transaction behaviour.
- ✓ Configure test scenarios, load policies, and test environments to accurately simulate various load conditions and assess application performance under stress.
- ✓ Monitor and analyse performance metrics in real-time using NeoLoad's intuitive dashboards and reports to identify performance bottlenecks and diagnose performance issues.
- ✓ Master the art of result interpretation, including identifying root causes of performance issues and providing actionable recommendations for performance optimisation.
- ✓ Understand how to integrate NeoLoad with other tools and technologies, such as CI/CD pipelines and monitoring systems, for seamless performance testing integration.

Who this is for

- Performance Testers

- Test Analysts

- Quality Assurance Engineers
- DevOps Engineers
- Developers

Curriculum

01 Performance Foundations

- Apply performance foundations using NeoLoad 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 NeoLoad in practical test workflows
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03 Scripting

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

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

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

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

- Apply analysis using NeoLoad in practical test workflows
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08 Tuning

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

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

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

- Apply best practices using NeoLoad in practical test workflows
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