

# Performance Engineering

Unlock the power of performance engineering by implementing proactive, continuous, and comprehensive testing and monitoring throughout the entire application lifecycle, ensuring optimal performance and user satisfaction from start to finish



## Benefits

- Accelerate time to market
- Reduce costs with early defect detection
- Boost customer satisfaction and brand reputation

Performance engineering is a proactive, end-to-end performance testing and monitoring discipline that works continuously throughout the software development lifecycle (SDLC). It outperforms traditional performance testing, which most regard as an addendum to the quality assurance process. Implementing a performance engineering program enables unprecedented, seamless collaboration among your teams and enhances tools and processes. It's essential that the applications your team invest so much effort into perform as expected and meet the customer's needs.

Meeting customer expectations is becoming harder, but these days it's a necessity—especially now that customers can publicly share their opinions on a product or service. In fact, there is a direct correlation between customer engagement and revenue. Technologies continue to evolve, and an application cannot just work. It must consistently perform as expected on every platform, device, and network. Performance engineering teams must harness the speed of change and release software faster while delivering a superior end-user experience. Performance testing can no longer be an afterthought for your organization. Now more than ever, it's crucial to engineer quality testing earlier in the SDLC by building more realistic tests and enabling increased collaboration across performance teams. The goal is to deliver high-performing applications that delight and engage your customers.

## Resources

[Visit Performance Engineering web page ›](#)

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## Accelerate time to market

Significantly accelerate time to market by streamlining the development and testing processes. By embedding performance testing early in the development lifecycle, teams can identify and address potential bottlenecks before they become critical issues. This proactive approach minimizes the need for extensive revisions later, allowing for quicker iterations and faster releases. Additionally, performance engineering provides valuable insights into application behavior, enabling teams to optimize features and functionality in real time. As a result, organizations can deliver high-quality products that meet customer expectations quickly, gaining a competitive edge in the marketplace.

## Reduce costs with early defect detection

Reduce costs through early defect detection by integrating testing and monitoring throughout the development process. By identifying performance issues and vulnerabilities at the initial stages, organizations can address problems before they escalate into more complex and expensive fixes. This proactive approach not only minimizes the risk of costly downtime but also streamlines resource allocation, as teams can focus their efforts on optimizing and enhancing features rather than troubleshooting after deployment. The result is a more efficient development cycle, lower maintenance costs, and a significant reduction in the overall cost of ownership for applications.

## Boost customer satisfaction and brand reputation

Boost customer satisfaction and strengthen brand reputation by ensuring applications perform optimally, even during times of unexpected peak traffic. By rigorously testing and monitoring performance, organizations can quickly resolve issues that lead to slow response times or downtime. This creates a seamless user experience, encouraging customer loyalty and positive word-of-mouth. Effective performance engineering positions the brand as a leader in quality and reliability, delivering exceptional performance under any network conditions, from any location around the globe, and on any device no matter the amount of load.

- **OpenText™ Professional Performance Engineering**  
(LoadRunner Professional) - Deliver a flawless customer experience with project-based performance testing for co-located teams.
- **OpenText™ Enterprise Performance Engineering**  
(LoadRunner Enterprise) - Foster collaboration and improve application reliability with global performance testing.
- **OpenText™ Core Performance Engineering**  
(LoadRunner Cloud) - Ensure application quality with scalable, cloud-based performance testing.
- **OpenText™ Performance Engineering for Developers**  
(LoadRunner Developer) - Performance test earlier in the software development cycle to align with Agile and DevOps methodologies.