Performance Engineering

The way we work, connect, and learn has dramatically changed with more and more access happening everywhere, over any network and from any device they choose. As a result, organizations are increasing their investments in performance engineering.

Performance engineering helps organizations release quality software faster and more efficiently through collaboration among all phases of the software development lifecycle. This allows engineers to detect potential issues within an application as early as possible, helping to deliver the best possible user experience.

According to the World Quality Report 2023, 82% of organizations are now successfully fostering collaboration between their business and testing teams.

56% highlighted cloud testing as mandatory for applications on the cloud. 82% of organizations consider performance testing to be highly important in their industry. 50% consider performance testing to be highly important in their industry.

56% of organizations are now successfully fostering collaboration between their business and testing teams.

56% of organizations are now successfully fostering collaboration between their business and testing teams.

1. **Automate Tests**
   - Identify test standards to ensure consistent results before the application is deployed.
   - Use load testing to verify application components such as web pages, APIs, databases.
   - Load generators (LGs) and performance monitoring tools are used to scale up and down the Load Generators (LGs) on demand.

2. **Increase Release Cycles**
   - Reduce time and effort by leveraging unit and functional tests within performance testing.
   - Load tests can be run in parallel with other loads.

3. **Dynamically Scale**
   - Leverage elastic load generators to scale up and down the Load Generators (LGs) on demand.
   - Monitor the system under test with a range of tools.

4. **Shift Testing Left**
   - Close collaboration with developers and focused performance monitoring tools.
   - LoadRunner Developer.

5. **Leverage in the Cloud**
   - Reduce maintenance in-house by deploying the OpenText LoadRunner Family (OBF) on demand.
   - Use load tests to validate cloud applications.

6. **Monitor End-to-End**
   - Monitor application performance across web, networks, and databases.
   - Monitor the end-to-end performance of applications.

7. **Share and Manage Scripts**
   - Easily maintain scripts and versions of AUT in SCM.
   - Use multiple scenarios testing to validate performance.

Performance Engineering in action

The OpenText LoadRunner family helps development teams deploy high-performance applications that exceed their customers’ expectations. Using shift-left performance testing and focusing on shift-right application performance monitoring, development teams can engineer quality and optimize performance at any point in the DevOps pipeline.

Learn more about OpenText performance engineering solutions.