The way we work, connect, and learn has dramatically changed with more people accessing applications 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 2021-2022 World Quality Report, the following components of performance engineering are important in making their testing more efficient.

**Better communications and collaboration across the lifecycle**

**Performance Engineering in Action**

The Micro Focus 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.

**1. Share and Manage Scripts**
- Easily maintain scripts and scenarios testing multiple versions of AUT in SCM repositories

**2. Increase Release Cycles**
- Reduce time and effort by leveraging unit and functional tests within performance testing

**3. Automate Tests**
- Insert test in CI environments to ensure minimum standards before a build goes any further

**4. Continuously Fine Tune**
- Reduce the time needed to identify performance issues, quickly compare trends, and mash data with other tools

**5. Dynamically Scale**
- Leverage elastic load generators to scale up dynamically based on need

**6. Migrate to the Cloud**
- Reduce maintenance, scale up and down the Load Generators (LGs) on demand

**7. Monitor and Troubleshoot**
- Monitor the system under load with a range of solutions across web, network, and database performance

Learn more about Micro Focus performance engineering solutions.

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