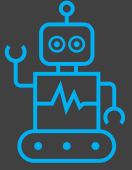


Test Automation Service



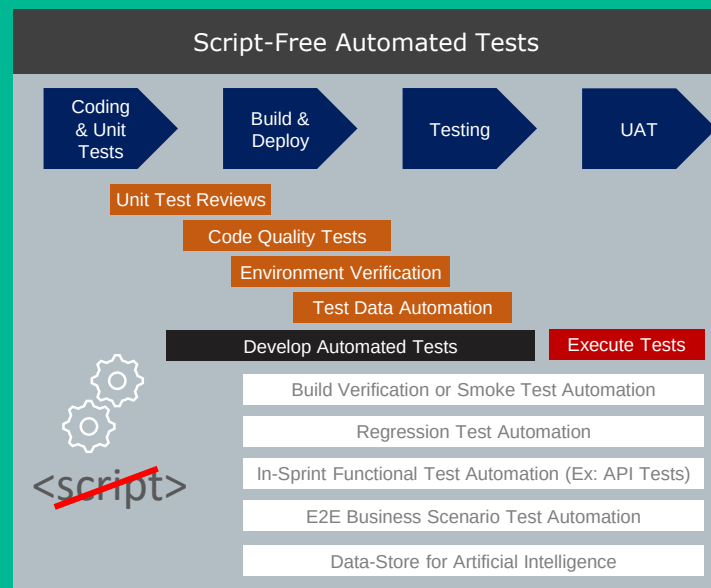
Test Automation Framework must support the creation of the automation scripts faster that are easy to maintain. Lacking that ability, most of the test automation projects tend to create scripts that pile over time, takes more time to maintain, results in wasted efforts, thus diminishing the ROI. With Script Free Test Automation gaining popularity, not only the Test Automation is faster & easy to maintain, but its usage goes way beyond the QA community - the Developers, Business Analysts, and the UAT Users.

Our Test Automation Specialist will work with you to analyze the current state of test automation, identify the opportunities to improve, and recommend the solutions along with an implementation roadmap. Wherever automation is not attempted, our Test Automation Specialist will help you to implement either project-specific or enterprise-scale Automation framework. This includes the performing the Proof-of-Concept (PoC) required, select the suitable test automation tools, integrate them with your Application Life Cycle Management (ALM) tools, conduct pilots, fine-tune the Test Automation Framework, and provide the necessary training to your testing community (includes Developers, Business Analysts, and User Acceptance Test teams). Our Software Development Engineers in Tests (SDET) have experience in using the industry-leading testing tools - both Open Sources (Selenium, SOAPUI, POSTMAN, JMeter, etc.) and Commercial Test Automation Tools (TOSCA, Microfocus UFT, Katalon, TestComplete, Appium, etc.).



Key Activities

- Analyze the Application Technology, Functionality, Test Scenarios to automate, and the Test Data
- Identify the Test Cases that can be automated
- Develop an Automation Test Strategy, Estimate the Efforts, Create Automation Test Project Plan
- Develop or enhance the Test Automation Framework
- Develop the Automation Scripts & unit tests. Complete the Review/Sign-off procedures
- Integrate Test Automation Scripts with ALM, DevOps pipe, and Artificial Intelligence Data-Store.
- Manage the Test Automation Scripts in the version control system & update the documentation



What is new?

- Our Automation Solution goes beyond the Regression Test Automation and taps the automation potential in API, End-To-End Tests to support continuous tests in DevOps. With historic data of code coverage, test execution status, defect status, the AI-enabled BOTs help us to predict the weakest area on the build to prioritize the tests
- Our SDETs are trained on the "Script-Free" automation tools and technologies – "Automate the Test Automation"
- We explore the automation opportunities across the testing life cycle – Workflow Automation, System Monitoring, Automated Test Data Provisioning, etc.
- For long term testing engagements, we offer Managed Testing Services in a "Factory Model" that covers the cost of the testing tools and the test automation services

Performance Test Engineering Service



With Technology modernization and system redesign, it is important to validate the individual components (such as APIs) ahead of them before the systems are integrated and tested for system-level performance. Doing performance testing towards the end of the project is the common practice and it is risky. At times, the production system is over-engineered to offset the performance issues, but the cost is usually very high. IT organizations are adopting "Code as a Service", "Data as a Service" (Environment + Data) to support early performance tests of the individual system components.

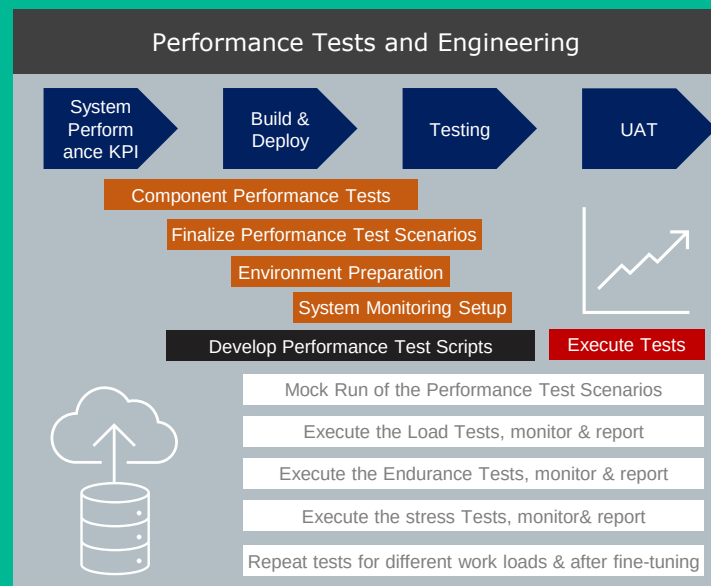
Our Performance Test Engineers will work with your Development Team, System Architecture Design Team, Database Design Team, Environment Management Team to analyze the current state of Performance Testing, understand the system performance benchmarks and baseline, identify the opportunities to improve and recommend the solutions along with an implementation roadmap. We will also help you to establish the Performance Test & Engineering Center of Excellence (PTCoE).

We have the experience in building work-load models and develop the performance test scripts using both Open Sources such as JMeter and Commercial Tools such as LoadRunner, Rational Performance Tester, NeoLoad, LoadUI Pro, etc. They work with the Environment Management Team to configure the monitoring tools and adjust the capacity needed to execute the Performance Tests.



Key Activities

- Capture and analyze the system performance requirements / KPI for the scenarios under test
- Develop a Performance Test Strategy, Estimate the Efforts, Create Performance Test Project Plan
- Develop Work-Load Models, Create the Performance Test Scripts
- Work with the Infrastructure team to configure the System Monitoring Tools
- Execute Load, Stress, Endurance Test.
- Work with the Developers, Database Engineers, Infrastructure Team to fine-tune the system and remove the performance bottlenecks
- Retest upon fine-tuning the system and share the performance test report along with the system KPI and metrics.



What is new?

- Our Performance Test Engineers have rich experiences in creating real-life workflow models that reflect the system usage characteristics, be it user-think-time or profiling of the various real-life test scenarios, addressing the peak seasons for the specific industry
- We have been recommending and successfully implementing the early performance tests of the critical system components. We have experience in implementing the Factory Models & Performance Test Center of Excellence through which we optimize the performance testing needs of the various projects for your organization. We will work with your project management and infrastructure team to optimally use the Performance Test environment
- We have performance test engineers who have experience in working the Cloud, Digital programs