

Sogeti USA

DevOps Quality Services



Sogeti DevOps Quality Services



Challenges

- Producing software that keeps up with the pace of change that customers demand
- Immature Dev, QA, and/or Ops processes and poor alignment between business areas

- Sogeti's internal market intelligence tells us that 82% of businesses currently have problems with the quality and testing of Agile projects



Ideal Solution

- Consistent automation framework for both web and windows applications in the same pipeline
- Ability to generate parameterized data and synthetic data for test scenarios
- Reporting and Analytics for Agile teams and management to measure the ROI of automation

- Allows IT to focus on customer satisfaction, resilience, time to market, and cost efficiency
- Continuous software delivery-as-a-service, quality assurance-as-a-service, and infrastructure-as-a-service



Desired Outcomes

- Increase speed to market
- Reduction in cost of delivery
- Improve quality of software products

- 63% improvement in time to market
- 57% increase in new market penetration
- 77% increase in customer retention



Highly automated approaches to deploy solutions that evolve as fast as your business needs it

Test Framework

Develop Test Automation Code

- Leverage **Visual Studio Enterprise** for framework, with Selenium and Protractor, **Coded UI** for Windows Apps
- Leverage **Azure SQL** and **Azure VMs** for TDM generation of parameter data

Quality Pipeline

Facilitate an automation pipeline

- Leverage **Azure DevOps** to facilitate the build process
- Leverage **Azure Key Vault** to store credentials for user names and password

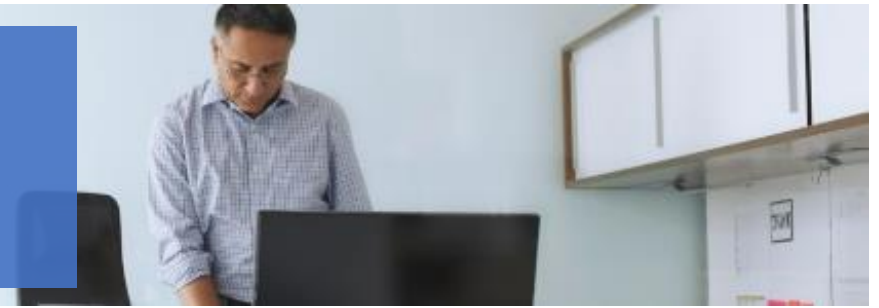
End-to-End Automation

Perform Test Runs and Analyze

- Leverage **Azure VMs** to host the build machines and test agents
- Examine app quality with **Azure DevOps Dashboards** reports and overall automation portfolio with **PowerBI Reporting**

Supports an Agile/DevOps Strategy: Through a focus on quality through automation, supports clients' efforts to transform their organizations to Agile and realize the enhanced delivery promises of DevOps

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By leveraging capabilities provided by Azure DevOps and Microsoft Azure services, Sogeti can enhance its QA testing and Digital Assurance professional services offerings by providing a platform for acceleration through automation.

Solution Alignment

Automate Diverse App Portfolios

Flexibility of Visual Studio Enterprise allows for a **consistent approach** for both windows and web applications

Leveraging Azure VMs and Azure SQL to facilitate the generation of parameterized data for testing code **speeds delivery and flexibility** of framework



Scalable & Secure Pipeline

Azure DevOps facilitates an **automated pipeline** with Azure Key Vault **providing secure credentials** for greater flexibility

Use IaC (Infrastructure as Code) through Azure to facilitate the creation of test agents allows the framework to **scale with portfolio growth**



End-to-End Measurement

Azure automation pipeline configured to allow for end-to-end **measurement of application quality** through Azure DevOps Dashboards

Leveraging PowerBI to produce **Management Reports for Automation Portfolio ROI** allows clients to make rapid changes for improvement

