



## AI / ML / NLP BASED AUTONOMOUS TESTING PLATFORM

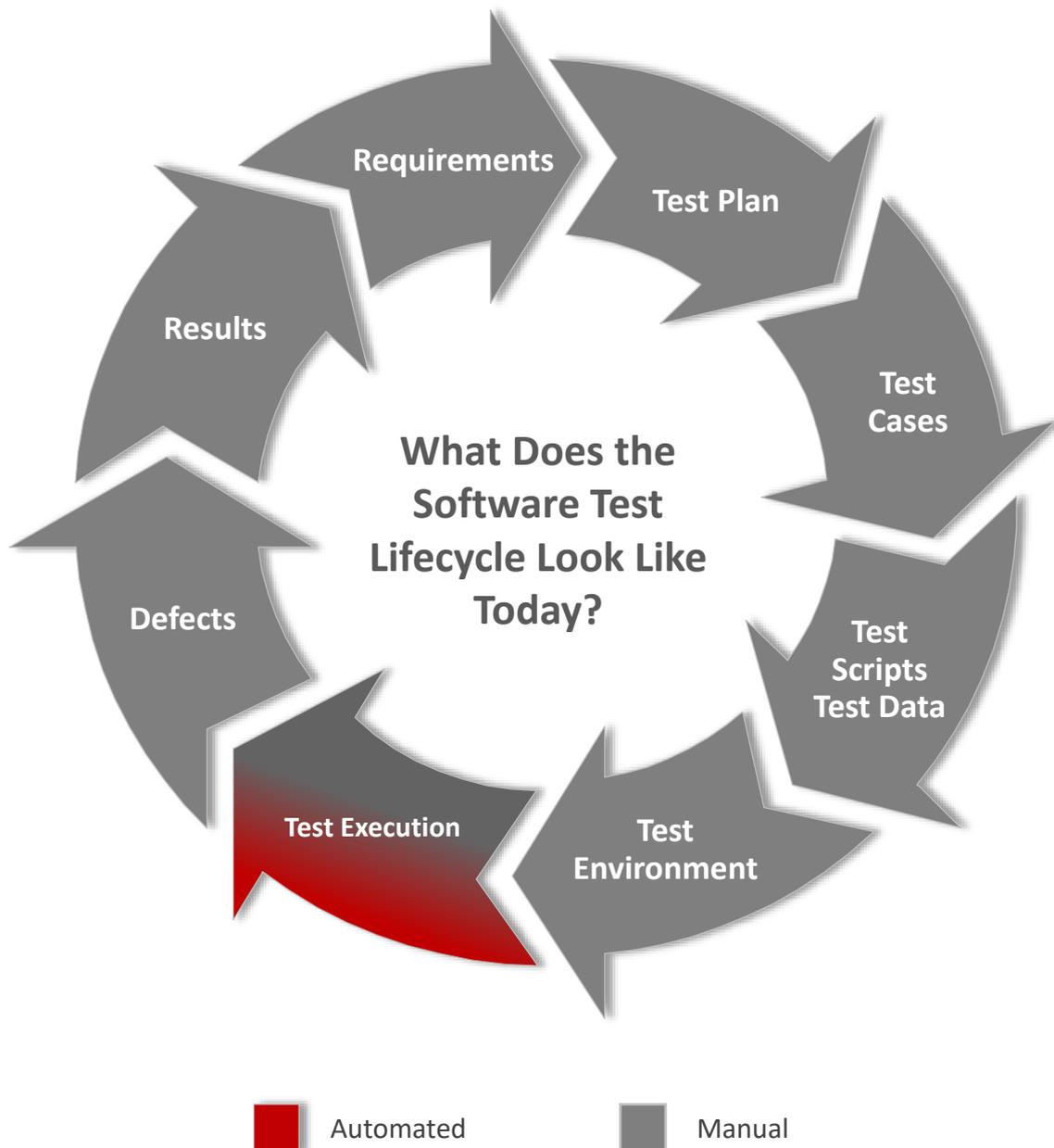
From Sonata Software - *The Platformation Company*



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Evolving business models and the rise of disruptive technologies in the current day are adding to the growing complexity of the business environment and the business critical applications. An integral part of digitization, modernization of the IT landscape calls for upgrades to legacy systems and applications. The cascading effect of the most minor of changes to these systems leading to a downward spiral of performance and plausible system failure, continues to plague enterprises who rely heavily on the infrastructure and applications being up to date with the technology developments.

Enterprises are reinventing traditional testing processes by adding an agile and automation spin to test design and development, to allow for a more accelerated product delivery.



While Test Automation today is still largely focused on saving efforts at the test execution stage, the effort and skill demands in the test development and design stages are significant and continue to add to the increasing testing lifecycle times.

A cost-efficient, accelerated, automated and integrated test engineering model is the need of the hour.

# AI / ML / NLP based Autonomous Testing unshackles Development Teams

Sonata in partnership with AutonomIQ offers an artificial intelligence, machine learning, and natural language processing driven Autonomous Testing Platform based approach, focusing on rationalization of effort across the testing lifecycle.

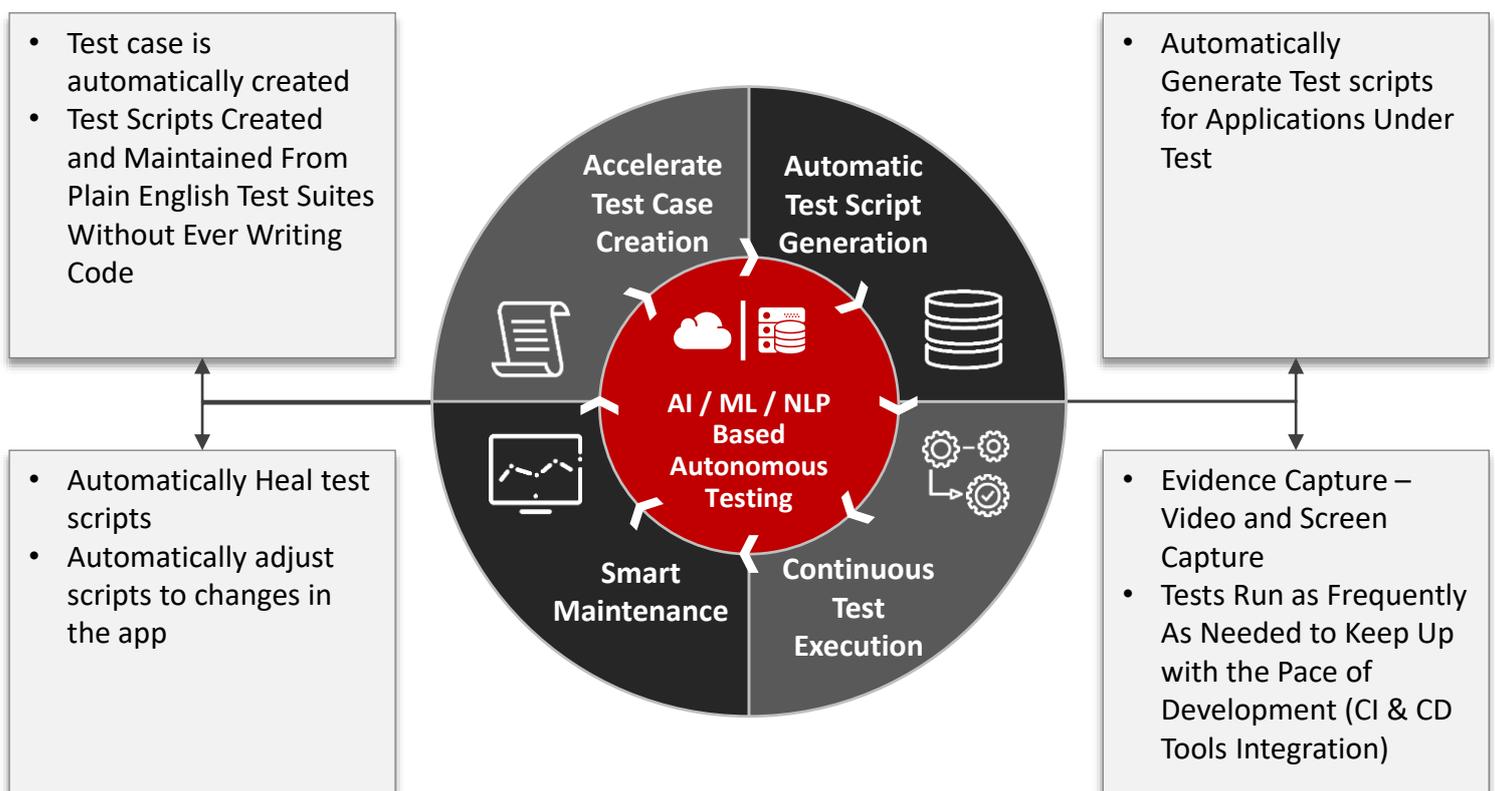
## ***A platform that automates the Test Automation itself!***

The Autonomous Test Platform enables Product and IT engineering teams to autonomously test, release and deploy software, thereby accelerating software releases without compromising quality. Leveraging deep-learning and AI algorithms, the platform detects changes, enables self-healing for test assets and provides advanced diagnostics.

The platform offers significantly higher levels of automation and agility in comparison with the automation tools and framework in the market in the current day delivering unparalleled velocity, reduced cost of quality and minimal scope of human error through the use of an intelligent core of machine learning and self-healing logic.

Business teams and functional teams can now write functional tests in English, that the quality engineering teams can now use to autonomously generate test automation scripts in minutes. These scripts can be integrated with CI / CD pipeline, and maintained through the self-healing capability of the platform.

## Key features of the platform



Leveraging this Testing Platform, Quality Engineering teams can stop expending effort in the manual development and maintenance of automation framework and scripts and focus efforts on innovation and accelerated delivery of product enhancements without compromising quality. The AI based Test Platform helps significantly reduce manual effort and skills required to understand, validate, write, troubleshoot and tune testing artifacts including scripts and data allowing scope for engineering teams to innovate and deliver faster and better.

**Sonata Software**, in partnership with **AutonomIQ**, helps Enterprises derive sustained long term value to combining NLP, artificial intelligence, machine learning and intelligent automation capabilities of **AutonomIQ** through the Autonomous Testing Platform along with **Sonata's** industry expertise, engineering excellence and strategic engagement model.

To understand how our enterprise customers have achieved over **50% savings** in delivery effort and timelines, **>80% automation coverage** and rise in quality index using the autonomous test platform.

Contact us at [testingservices@sonata-software.com](mailto:testingservices@sonata-software.com).

Sonata Software is a global IT solutions firm focused on enabling platform based digital business and technology transformation for enterprises in the Travel, Retail, Distribution and Software industries. Sonata's products and platforms, anchored on its proprietary Platformation methodology, reflect the company's commitment to enable connected, intelligent, open and scalable business systems.

Sonata's portfolio of products and platforms include Rezopia Digital Travel Platform, Brick & Click Retail Platform, Modern Distribution Platform, Kartopia E-Commerce Platform, Halosys Unified Enterprise Mobility Platform and RAPID DevOps, CloudOps and Testing Platform. These platforms have been deployed by leading enterprises across the globe to achieve future ready digital businesses.



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