

90%

reduction in Smoke Suite execution time



A multinational conglomerate based in Mumbai, India, who are now focussed on building platforms that will herald the Fourth Industrial Revolution. Since its inception, the company has evolved from being a textile and polyester manufacturer into an integrated player in energy, petrochemicals, textiles, natural resources, retailing, and telecommunications and operates world-class manufacturing facilities across the country.

Enhops was selected to create a comprehensive, maintainable, enterprise-level **Automation Framework & Suite** which would support all IT applications and integrate with Azure DevOps to support Continuous Integration and Continuous Deployment.



Tools Used



THE CHALLENGES

4-key areas of concern

The client was looking for a solution to integrate Azure DevOps for supporting continuous integration and continuous deployment without risking quality issues. Other areas of concerns were:



Absence of single framework for all automation needs (Desktop, Web, Mobile and API automation) and for all the IT applications across all business lines.



Fail to identify the root cause of performance bottlenecks at multiple layers.



Product quality was in jeopardy as they were failing to automate backlog/regression test cases.

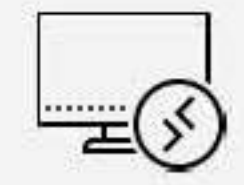


Absence of a comprehensive, maintainable, enterprise level Automation Framework & Suite for supporting all IT applications.

Enhops' Solutions

6-Key Solutions

As part of the proposed solution, we developed a robust performance testing suite comprising reusable features, correlations, parameterizations, data implementation, and cross-geographic execution methods.



Designed/implemented Hybrid Framework to support Automation of Desktop, Web, Mobile and API.



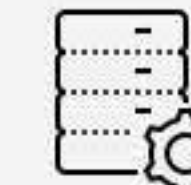
Built robust Automated Regression Suite using Enhops' customized Automation Platform and built the most critical set of automated tests (smoke test suite) to ensure environment readiness.



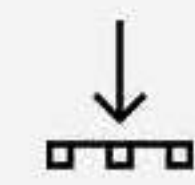
Integrated the automation suite with CI/CD tools to enable centralized execution and reporting.



Developed performance scripts for all the identified critical business scenarios.



Understood application architecture, business needs, and user scenarios, logical data flow, database structures, schemas, web services protocol, thick client technology, authentication process.



Identified application performance bottlenecks by doing Load Testing/Stress Testing.

Results

4-Key Outcomes

We integrated Azure DevOps to support Continuous Integration and Continuous Deployment.

1

Smoke Suite execution time was reduced from 8 hours to 30 minutes.

2

Automated 400 test cases and regression cycle time was reduced from 100 hours to 9 hours.

3

Fixed 70+ Memory Leaks.

4

Built Multi Utility Tools.

About Enhops

Enhops works at the forefront of Quality Engineering and Software Product Engineering solutions to suit the most unique needs of business. Enhops was established in 2015 with a vision of driving Digital Disruption across industries through **Quality-Engineering**, **Automation-First**, and **Smart Testing**. Our philosophy has always been to partner with our clients in their Digital Transformation journey.

Blending Enhops' Quality Engineering capabilities and ProArch's two decades of expertise in Software Product Engineering, we are a true partner who delivers value-based outcomes.

Looking for building high-quality digital applications?

Get in touch with us marketing@enhops.com



A proarch company



www.enhops.com



info@enhops.com

