



Cygnets **Infotech**
IT is about you



REGRESSION TESTING TIME REDUCED BY 80%

for an Australian IT Solution Provider

COUNTRY
AUSTRALIA

DOMAIN
INFORMATION TECHNOLOGY

CYGNET INFOTECH

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CLIENT PROFILE

The client is a leading technology service provider offering multiple path-breaking solutions around cloud-native platforms such as Microsoft Dynamics, SharePoint, Cloud, Infor, etc.

With over two decades of proven technology experience, they have empowered around 900 staffing and recruiting enterprises globally by improving business processes and streamlining operations with innovation, scalability and integrity.

BUSINESS SCENARIO

The client offers a complete suite of IT and business solutions around sales, marketing, and customer services with the help of Microsoft Dynamic 365 web applications.

To extend application capabilities and enhance user engagement, they consistently add new features and functionalities to these applications.

BUSINESS CHALLENGE

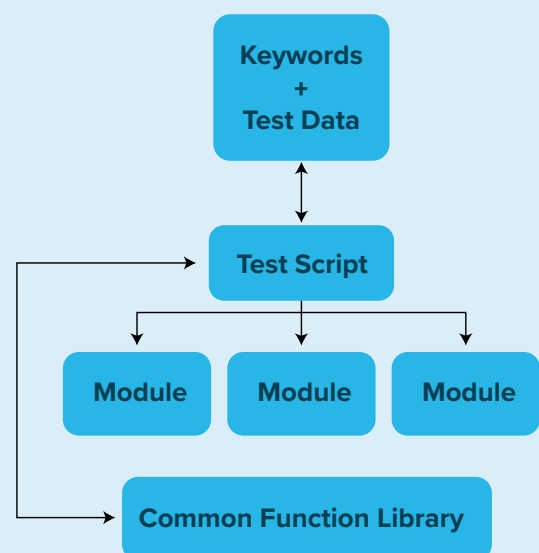
The adoption of newer functionalities continuously transformed the application into a complex and heavy code. To manage this complexity, our client adopted automation testing to validate the operations of their applications. However, the automation scripts that they developed were incompatible with the browser they used. This resulted in development and service delays, and poor business performance.

CYGNET SOLUTION

The client's team trusted Cygnet as their Technology first partner with proven expertise and distinct technical capabilities demonstrated in the global market. Our experienced business analysts and IT experts analyzed the business scenario and goals, gathered the requirements, understood the challenges, and developed a groundbreaking strategy to solve their issues.

We engineered a UI automated testing framework using the TestComplete tool and executed automated test scripts that monitors impact of the new features added to the existing version of Microsoft Dynamic 365 web applications whilst minimizing the testing effort and maintenance cost.

TEST FRAMEWORK



OUR APPROACH

Cygnets Quality assurance experts designed the framework with the help of the TestComplete tool that offers compatibility and faster responsiveness across two different environments.

We designed and developed automated test scripts that reduced the test run time and produced continuous feedbacks ensuring that the application worked as intended.

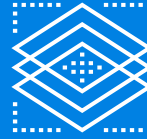
The test log feature in the framework recorded errors and bugs associated with various tests executed on TestComplete and reported the success and failure of these test cases.

Distributed testing was also implemented with Load Complete Automation Tool making it easier to create & execute multiple test cases in limited time.

Support was offered around the data-driven framework ensuring the best performance of the application with different sets of data.

BUSINESS BENEFITS

- Reduced the regression testing time by 80%
- Enhanced testing capacity, received faster feedback, and improved web application performance
- Increased test coverage by data-driven Test Framework
- Continuous report generation helped to analyze test cases with ease
- Reduced Business expenses with effective utilization of manpower
- Delivered superior end-user experience



TOOLS & TECHNOLOGIES

TECHNOLOGY

Java scripts, VB Scripts with Test Complete Automation Tool

DEVELOPMENTFRAMEWORK

Data-Driven Framework

PROJECT MANAGEMENT METHODOLOGY

Agile Methodology

BROWSER COMPATIBILITY

Chrome, Mozilla Firefox, Internet Explorer

DEVELOPMENT ENVIRONMENT

TestComplete Automation tool

DATABASE

MySQL

TOOLS

TestComplete Automation Tool

APPLICATION DESIGN STRUCTURE

MetaData Driven Structure

ABOUT CYGNET

Cygnet Infotech is one of the most trusted names in the IT space delivering technology solutions to global clients across 35 countries. Born out of a vision to create software development company where quality, innovation and personalized services trump low cost, makeshift solution, Cygnet partners with its client to help them transform into high performance businesses.

Cygnet has deep industry and business process expertise, global resources and a proven track record in delivering innovative technology solutions. Cygnet can mobilize the right people, skills and technologies that improves business performance.

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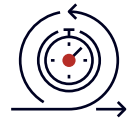
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We Have 1000+
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We Have Delivered
2000+ Enterprise-
Class Solutions &
Products



Our **100% Agile**
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We Are
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Company



We Have **Deep**
Industry and
Process
Knowledge



We Help Clients to
Digitize, Scale and
Transform into
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Business