

Columbus®

Once you
know how...

Test Automation Services

How to reduce risk, lower costs and boost productivity
with automated testing

Why do your high-performance applications need automated testing?

Is your software working seamlessly in the current dynamic and ever-evolving IT landscape? To ensure your software applications are working optimally, you need to deploy robust testing systems. Whether it is a new system or an existing system going through modifications, testing plays a crucial role in minimizing post-implementation issues.

Even if you are looking to implement a solution with a substantial number of users, efficient testing helps you identify errors and examine the system to see if everything is operating correctly. Here are a few of the vital benefits of testing your applications:

- Prevents major software failures that may affect your company's operations
- Enables consistent and excellent user experience
- Maintains the quality of the solution and its integrations with other systems
- Helps your company create updated documentation for your solution's functionalities which will, in turn, help you in your compliance, audit, onboarding, and training of new employees
- Eases the process of adding new features and carrying out software updates/upgrades

Now, you can choose from advanced and modernized testing systems to support your unique business requirements.





Is manual testing right for your organization?

Though efficient manual testing can assure better application functioning, it is typically expensive, time-consuming, and not consistently accurate. Apart from these fundamental challenges, manual testing also comes with some other specific roadblocks, which include:



Significant risk of error

As manual testing is extensive, tedious, and monotonous, there are higher chances of making mistakes while testing applications manually.



Testing for application updates

Most applications you use in your company would need system updates in regular intervals. Before these updates can be released into the production environment, they need to be thoroughly tested — a highly technical and intricate IT task which demands solid testing expertise.



The complexity of testing critical processes and integrations

Defining test cases based on crucial functions of your company is complex, and even a minor error can hinder one or more vital operations or even impact your entire business.

How can automated testing help you overcome your testing challenges?

You can attain faster and higher-quality business system applications that support your business priorities with automated testing. If you select automated testing for your software applications, it will help you:



Save time and money

Testing numerous aspects of the software through its various developmental stages involves considerable time and cost when done manually. Automated testing not only reduces the processing time but also decreases the costs incurred.



Extend your test coverage

Manual testing has a limited scope of testing. You can expand the playing field and carry out multiple tests, increasing the length and depth of testing to enhance the software quality.



Increase testing accuracy

The monotonous nature of manual testing may result in a few mistakes. While bringing precision and efficiency to repetitive testing activities, automated testing also gives your manual testing experts more time to spend on more complex and productive tasks.



Enable stress testing

Automated testing can create simulations with a heavy workload, and many users to check the quality and functionality of the software under extreme stress. This type of testing can help you determine your application performance in peak or busy seasons when the workload is more than usual.

What is the right time to test your software applications?

The answer to that question: as early as possible. Most organizations commit the common mistake of waiting till the end to perform testing. By this time, a large percentage of the software would have been developed, making the testing process difficult and time-consuming. Moreover, the feedback provided after testing may increase the workload of the developers and delay the project go live.

By performing tests as and when you finish developing an element or functionality of the solution, you can efficiently manage the process and generate a library of test cases that would be useful as future references.





Test Automation Services: Will it help your organization?

With the rapid digital transformation, your customers' demands are also evolving at a fast rate. To respond to – and fulfill – them, you must be able to derive meaningful insights from the data generated by your key functions like manufacturing, inventory management, service delivery, marketing and sales. Efficient ERP systems help collect, secure and store the data these functions generate for you to interpret – and manage – business activities.

Continuous testing of your applications and systems can ensure successful ERP implementation, enabling you to identify and fix flaws while ensuring quality reporting-based decision making.

A reliable Test Automation Service can help you overcome your challenges and meet the demands of the competitive business environment. By partnering up with a test automation service provider, you can leverage the experience of the experts in the field to drive optimum results and improve the quality of your business applications.

Test Automation Services by Columbus

With Columbus, you get 100% continuous test automation that will ease your business operations in the current digital age. As a result, our Test Automation Services include a comprehensive range of automated testing components that promote:



Innovation



Efficiency



Quality



Business-focused testing

Our end-to-end Testing Delivery Services are designed to do the above-mentioned while reducing your overall testing time, risk and cost. To achieve these objectives, our services consist of a combination of:



Tool selection



Test strategy



Pilot cases



Test planning



Roadmap



Ongoing maintenance



Advisory



Test automation

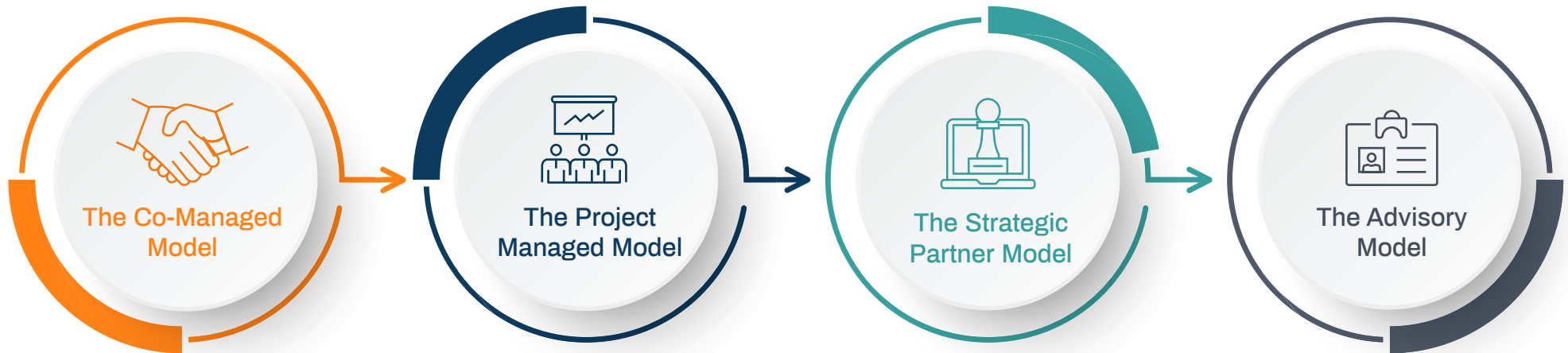


Continuous testing

You can accelerate software testing cycles and releases, achieve higher defect removal efficiency, and ensure health checks post-production through our proven automation frameworks.

Our automated regression tests can further reduce the risk of new deployments, giving you a competitive advantage on your digital transformation journey.

What engagement model is right for you?



In this arrangement, you are the primary decision-maker. We at Columbus provide you support as a trusted advisor and consulting partner.

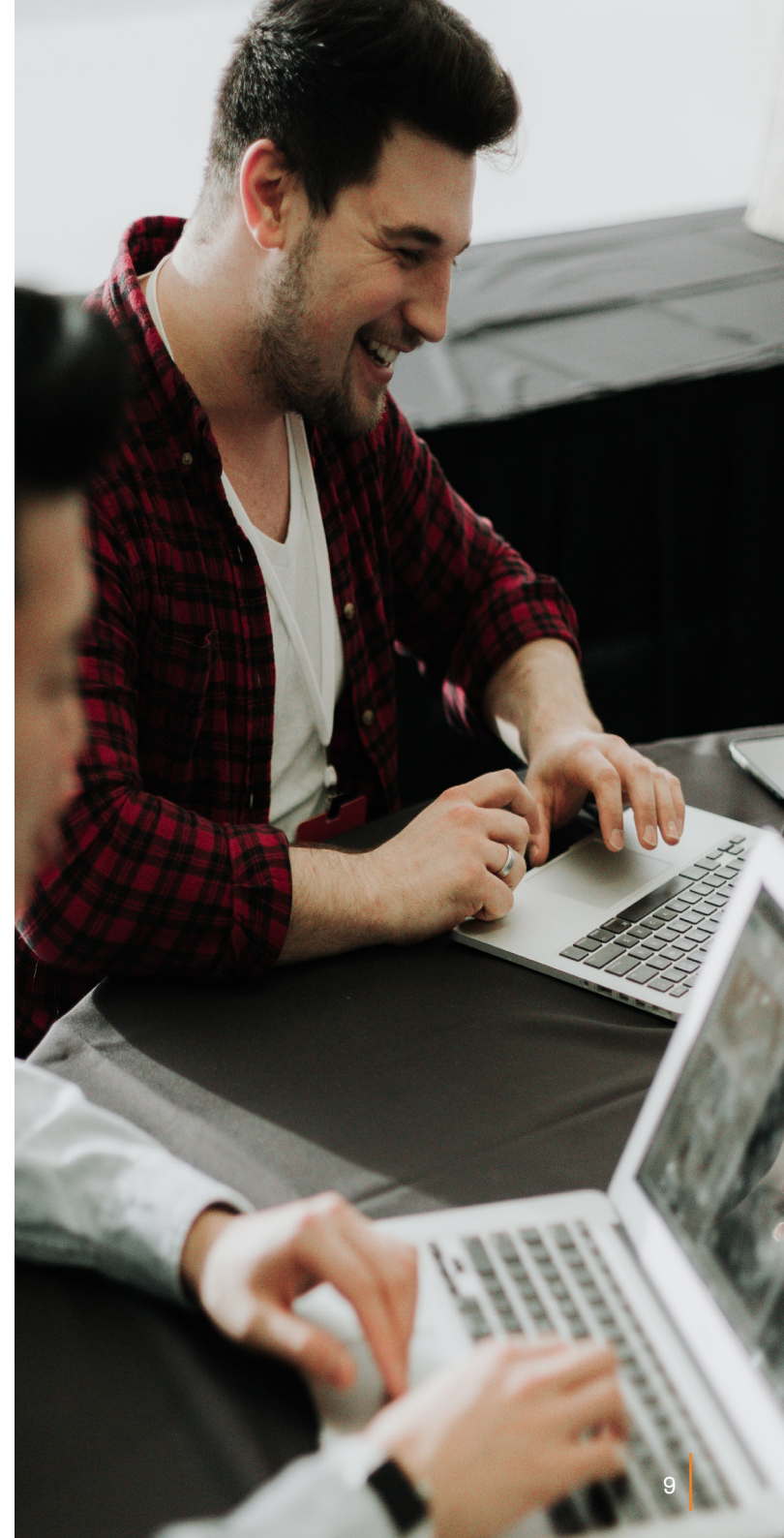
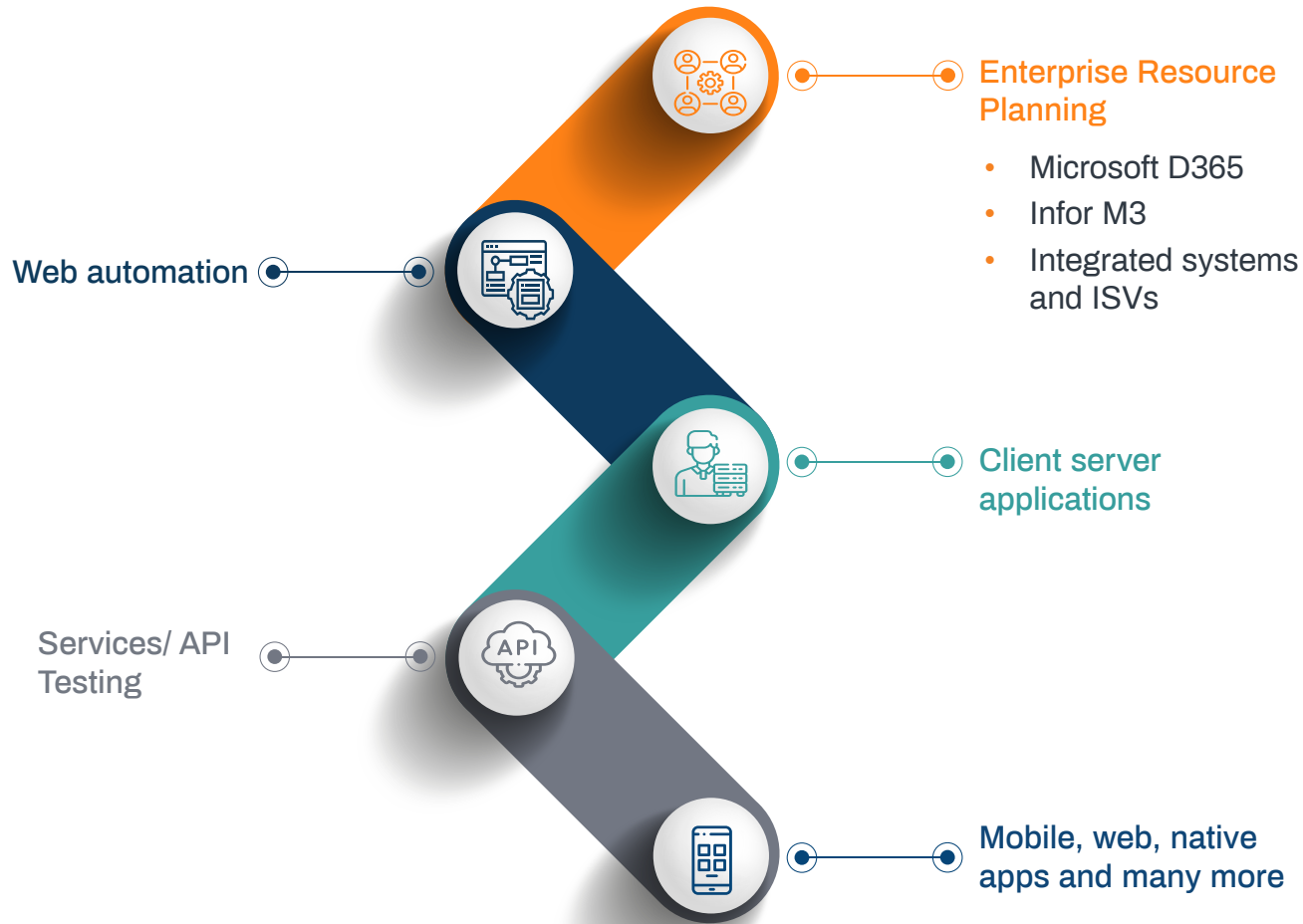
If you select a project-managed model, Columbus will take end-to-end responsibility of your projects – from strategizing to implementing, and managing, change.

In this model, we at Columbus take primary responsibility for planning and executing your projects. In a nutshell, we will own the majority of the responsibility to plan and implement the plan.

This arrangement will help you leverage Columbus' services as a trusted partner– we provide the necessary consulting services to help you meet your quality assurance and testing goals.

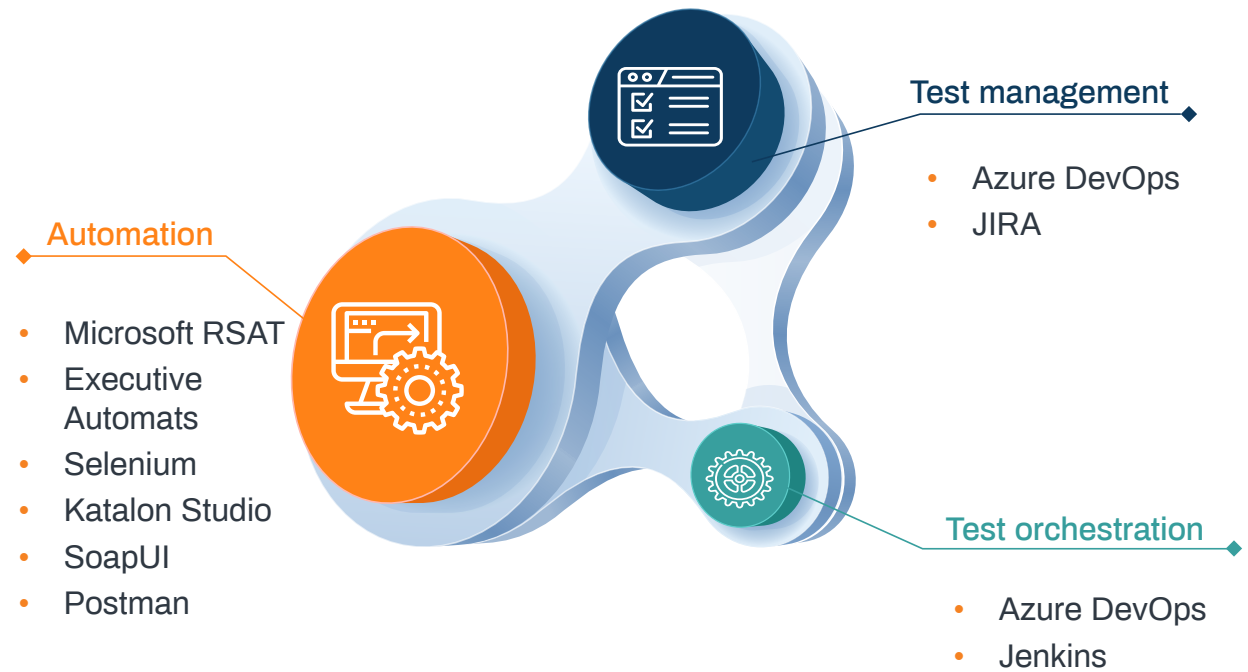
Columbus automation expertise and process

1. Automation expertise





2. Choice of automation tools



3. Test automation process



What does Columbus Test Automation Services cover?



Projects

Functional testing : Functional testing support for project cycles

Data setup : Test data setup support for project scenarios

Automation : Core processes automation support



Releases

Regression : Regression test support for releases

Automation : Release scenario/processes automation support



Testing Centre of Excellence

Tools/Technologies : Evaluation and implementation of tools/technologies

Framework : Automation framework support

Training : Automation/Tools/Technologies trainings



Implementation

Data setup : Test data setup support

Automation : Regression test automation support



Customer

Regression : Regression test support for customer-specific requests

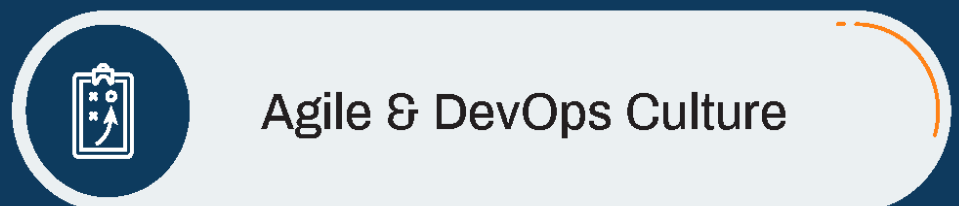
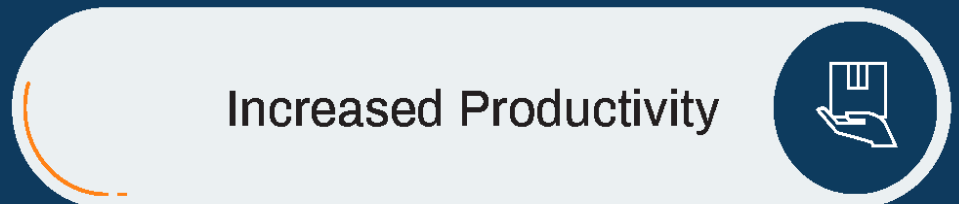
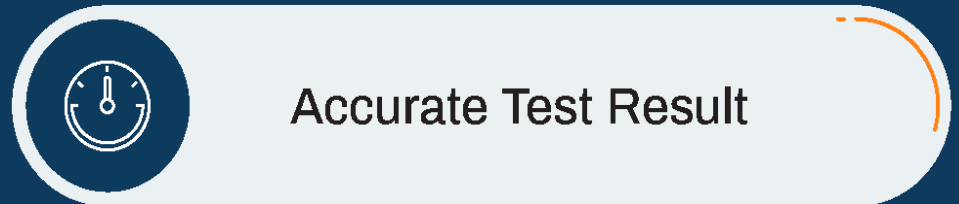
Automation : Customised automation support for customer-specific requests

- Columbus engages with customers through all phases of the implementation
- Columbus Test Automation Services support customer's customised development methodologies
- We operate on a TCoE-backed automation team model, which keeps us ahead in technologies and processes

How does partnering with Columbus benefit you?

- Improved application quality and performance
- Automated process - 70% faster than the manual testing
- Reduced IT expenditure and manual intervention
- Enhanced user engagement across channels
- Automated 24/7 testing
- Improved testing accuracy
- Added business value since customer's team can focus on core business instead of application management
- Faster and more efficient time to market
- Increased productivity because of seamless functioning of the applications
- Easier adoption of Microsoft's Evergreen strategy

To find out more about Columbus Test Automation Services and the advantages of partnering with us, reach out today!





About Columbus

Columbus is a global IT services and consulting company with more than 1,800 employees serving our customers worldwide. We bring digital transformation into your business, help maximize your value chain and position you to thrive far into the future.

Columbus' innovative solutions and services portfolio 9 Doors to Digital Leadership® delivers end-to-end digital solutions like cloud ERP, Digital Commerce, Data & Analytics, and Application Management that address the lifecycle and sustainability demands of the Manufacturing, Retail & Distribution, Food, Rental & Lease and Fashion industries.

We offer a comprehensive solution portfolio with deep industry knowledge, extensive technology expertise and profound customer insight. We have proven this through 30 years of experience serving more than 5,000 customers worldwide.

Let us help you
realize the full potential
of your business

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