Avanade Intelligent Test Automation

Perform fast, reliable, and comprehensive solution testing

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Avanade Intelligent Test Automation shortens the time-to-benefit for implementations of Microsoft Dynamics 365 by bringing speed and reliability to testing. The solution can easily be used by implementation team members, eliminating the constraint of testing experts' specialized skills.

In new implementations, major upgrades, or significant customizations of Microsoft Dynamics 365 for Finance and Operations, testing verifies that the solution works reliably and meets a company's business requirements. Testing, followed by results evaluation, adjustments, and re-testing can be extremely time-consuming. Even when planning is meticulous, experts proficient with testing tools may not be available at the right time in an implementation.

Companies' ERP managers and their implementation partners know that they need to map testing to business processes, minimize the cost and time required, and reduce repeat testing. Without the right tool, it can be difficult to achieve this.

Guided process driven by industry best-practices

Avanade Intelligent Test Automation increases the efficiency and reliability of testing by automating tests, including the basic data inputs needed to make testing possible. The solution's test case repository relies on best practice-based industry solutions to enable testing of end-to-end processes that are part of an implementation.
Intelligent Test Automation facilitates a fast, seamless process:
- Plan and prepare the tests you need to perform, drawing on the business process hierarchy in Microsoft Dynamics Lifecycle Services.
- Record processes with the task recorder in Dynamics 365.

- Establish your test cases in Microsoft Dynamics and link them to Team Foundation Server, recording and playing testing guides and managing test data along with the expected testing results in Dynamics 365.
- Run through the various testing scenarios in a dedicated test environment.
- Schedule tests in batches outside of regular working hours.
- Document test results in logs and charts.

Completing tests in days instead of weeks

By using Intelligent Test Automation, you can perform functional, unit, user acceptance, regression, and build verification or smoke testing. Many companies' experience shows that they can work with Intelligent Test Automation to perform all their testing in a few days instead of taking weeks.

The solution's architecture emphasizes the use of task guides to create test scripts and accelerate the implementation. You can convert recorded test guides into XML format and export and import them across Dynamics 365 environments. Planning and scheduling testing in sprints may be best for regression testing on customizations. You can also use the solution to publish user guidance and e-learning documents for the processes you tested.

Intelligent Test Automation is a fully embedded module in Dynamics 365. To learn more or see a demo, contact us at
www.avanade.com/en/technologies/microsoft-dynamics-365

Key Benefits

- Optimize testing based on industry best practice-driven processes and test cases.
- Accelerate testing to take days instead of weeks.
- Ensure the complete reliability, consistency, and comprehensiveness of testing.
- Obviate the dependency on testing specialists by enabling automated testing by business analysts or implementation team members.
- Produce user and process guidance that is fully in sync with your Dynamics 365 configuration.