



Dynamics 365 and Power Platform Community Conference

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How to perform a Continuous Update on your Dynamics 365 FO Production Instance in 5 days!

Test automation with Dynamics 365 F&O

Discuss the value of using test automation to support regular updating your Dynamics 365 Finance & Operations environment.

What are some of the things to consider when starting out with test automation?

Explore using the Regression Suite Automation Tool (RSAT) as test automation tool by going through installation, recording and playback of your first test.

Discuss the journey beyond with maintaining test automation while sharing useful tips and tricks.

Test automation with Dynamics 365 F&O

WWW... (When, Who and Why)

When: During the Implementation (Nice to have)

Why: Effort saving during the Solution Unit Test, Risks decrease, Integrate RSAT with Azure DevOps pipelines, a Test Case for each action

Who: Project Team plus a Test Manager for the relative governance

Test automation with Dynamics 365 F&O

	Effort
Ease of setup and installation	Low (requires tech support and own research)
Ease of creation and modification of scripts	Low
Average time to create and run a simple automated test ("happy path")	2- 5 minutes
Mass scripts re-configuration	Limited
Use of internal API to integrate testing solution with other platforms	Not available, but we can run multiple RSAT Instance through CMD command
Basic SSRS Report testing	Not Available
Detailed execution history analysis	Yes (DevOps)
Capturing and storing files generated through the test case	Not available
Test script statuses (to help your team collaborate on test case execution and creation)	DevOps
Integration	Not Available at Standard. There is a workaround with RPA



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Integrate RSAT with **Azure DevOps pipelines**

Run the Regression suite automation tool (RSAT) with **parallel** execution

In the new RSAT release, port 745 is no longer exclusively used. Instead, endpoints are technically added for each test run. The endpoints provide isolation from other test runs. Each endpoint has its own dedicated browser window where Finance and Operation apps perform processing. Everything is now **neatly isolated** during the communication, and no intervention or blocking occurs.

Integrate RSAT with **RPA**

Copy variables to **chain** test cases

Microsoft making more than **2000 scenario tests available** in 10.0.34. All are implemented on top of the Acceptance Test Library, and have **no data dependencies**

Performance Test (<https://community.dynamics.com/ax/b/axinthefield/posts/azure-load-testing-with-dynamics-365-finance-and-operations-apps>)



Thank you for your attention!

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