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# Regression Suite Automation Tool

AXUG Lexington/Louisville Chapter

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# Agenda

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Introductions

Overview

Pros/Cons

Scenario discussion

Helping the process along

Steps and Demonstration

Next steps

Q&A

# Introductions

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- Jo Ann Wellman, CPA – Financial lead - Support and Managed Services
- Mike Grob – Technical lead – Support and Managed Services
- Ronald Haantjes – Customer relations/sales – Support and Managed Services

# Overview

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- Regression Suite Automation Tool (RSAT) is used to automate test cases/scenarios. With the new cadence of releases/updates from Microsoft, this tool can help you prepare more efficiently.
- RSAT is used in concert with
  - Azure DevOps (formerly VSTS)
  - D365 task recordings and full suite
  - RSAT
  - LCS (optional)

# Pros/Cons

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## Pros

- Consistent, automated testing
- Frees up the end users from testing
- If fully built out, will make testing significantly more efficient and complete
- Evaluate the steps leading up to any failure and the exact reason the case failed
- Get metrics on the pass/fail of the runs
- Helps test modifications that are being placed into the system

## Cons

- It takes time to:
  - Design the test cases/scenarios
  - Build out the test cases/scenarios, ensuring that the steps are **validated**
  - There are some modules/processes that are not currently covered by RSAT. Warehouse management and processes that occur outside of the system are examples.

# Discuss scenario – Process invoice based on PO

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## Obvious

- Create a PO
- Confirm the PO
- Receive the PO
- Create and post the invoice

## Not Obvious

- Get the vendor balance
- Confirm the vendor balance after the invoice is posted
- Copy certain values while doing the task recordings in order to automate the scripts so they are reusable.

# Helping the process along

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- Use a numbering schema – This helps to pull the work items/test cases into the actual test plan. For example, you could use 0101, 0102 with the 01 in the first place to indicate GL and the 01/02 in the second place to indicate the specific scenario.
- Preplan the data that you are going to use. An example would be things such as the vendor, item, ledger accounts...
- Before doing the recordings, create the work items in DevOps and use the same references for the recording names.

# Steps and Demonstration

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1. Create test cases in DevOps.
2. Create task recordings in D365 (save as developer xml)
3. Add task recordings to the test cases.
4. Pull test cases into test plan.
5. Load the test plan into RSAT.
6. Configure parameter files in RSAT
7. Run the RSAT plan until all steps pass.
8. Load artifacts back into DevOps.



# Next steps

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- Not on D365 – Start discussing the timing of when to move.
- On D365 – Evaluate the processes that you and your company could use with RSAT. Make a plan to start moving those manual tests.

**Questions?**

# Thank You!

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