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Background:

- Awarded MS MVP in BizApps in 2014
- Have worked with AX since 2007
- Have worked with D365FO since 2016







Automated regression testing - Build your

strategy, select technology, and convert RSAT scripts

Automated regression testing was impractical 90% of the time 10 years ago but now quickly becoming a requirement for 90% of the implementations. It should not be optional in most scenarios. In this session, we'll walk through building an automated regression testing strategy, review multiple technologies that do this (RSAT, Leapwork, TheTestMart, etc), and then how to switch strategies if you're already onboard with the RSAT train Automated regression testing was impractical 90% of the time 10 years ago but is now quickly becoming a requirement for 90% of the implementations. It should not be optional in most scenarios. In this session, we'll walk through building an automated regression testing strategy, review multiple technologies that do this already onboard with the RSAT train.

This is not product or platform specific. This applies to everyone. Come with questions and lets get an open discussion going at the end of the session since this is such a new area that is now becoming a requirement.

The common landscape

- Stressful updates
- Unpredictable next days
- Deprioritized
- Too much to do, not enough time
- Last minute testing
- Weeks of fixing issues post update
- System-breaking configuration changes



What is automated regression testing





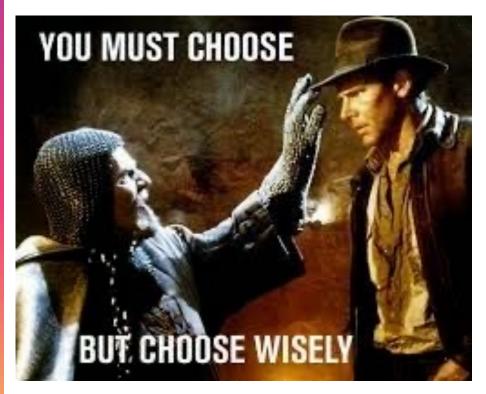
What makes a great regression testing strategy?

- Designed with the business AND IT teams
- Addresses the biggest risk points
- More doesn't mean better
- Is built to run quickly and often
- Designed for more than just application updates
- Involves all applications and aspects of the business, not just one





Choose wisely



- Required skillset
- Time to implement
- Required upkeep
- Cost of software (annual/monthly)
- Consultants required
- What do you need to test?





Select your champion

- Plan to own inhouse at the start
- Designate a champion
- Empower with a team
- Invest in training
- Become hands-on with all aspects
- Designate a second and third 'backup' champion
- Who would be passionate about this?







Tool selection checklist

- ■What solutions does your company use?
- ■What solutions does the tool support?
- ■What solutions does the regression testing company specialize in?
- ■What areas of your solution are keeping you up at night?
- ■What skills do you need to maintain and expand the use of the solution





Detailed checklist to ask about in selection

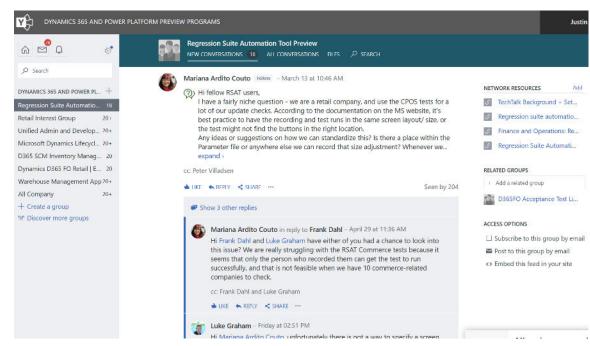
- Technology/Architecture backend
- Initial learning curve
- Speed of adoption
- Fit for both business users and technologists
- Maintenance workloads
- Cross technology support
- D365 Platform support specifically
- Encrypted assets storage
- Tamper proof audit trail
- Community/Forum support
- Training materials

- Integrations with CI Tools (DevOps, Jenkins)
- Business Process modeling (OOB)
- Execution Dashboard
- Licensing model/cost
- API/Service Automation
- OS Support
- Browser support
- Scalability
- Functionality/Script reusability
- E2E integration tasks
- CAN WE BE HANDS ON DURING SELECTION?
 - Would you buy a house or car sight unseen?



Is RSAT deprecated?

https://www.yammer.com/dynamicsaxfeedbackprograms/groups/15284202



Finance and Operations Regression Suite Automation Tool Background & Setup - TechTalk (youtube.com)







Just a few ways to execute

- Manual testers
- RSAT
- Playwrite
- Leapwork
- The TestMart
- Tricentis TOSCA
- Selenium
- Playwright



















A few hurdles and tips

- Hardware
- Payment processing
- Consistent data
- Organizational change management
- Test environments for solutions
- Automated data refreshes/scrub real data





Get rockin'!

- Ask why not? Not why?
- Try out the solution asap or before selection
- Don't wait to start building requirements
- Find the people most impacted by regression issues
- Start the conversation
- Find the catalyst
- Whiteboard the ROI case





