



Increase Trust and Security

With Automated Testing

Presentation by
Matt Kaufman

OUR SPEAKER



Matt Kaufman

CEO, Mambo Merge

@the1mattkaufman

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We live in fear!

Will this change break something?

What if I forgot to deploy some metadata?

Is anyone still using this field?

When's the next release?

Hyperforce?!?!?!?

Automated Testing: Your New Best Friend

Runs automatically, on schedule or as part of deployment process

Catches errors before they reach Production

Ensures consistency across releases and deployments

Test for security vulnerabilities before they're abused

Reduces your stress and increases your productivity



Types of Automated Tests

- **Unit tests:** Testing individual pieces of code
- **Functional Tests:** Validating functionality across the user interface
- **Integration Tests:** Ensuring systems/processes work together seamlessly
- **Performance Tests:** Checking for bottlenecks and slowdowns (typically not necessary for native Salesforce functionality)



Test Provider Options



Native

Apex Unit Tests
LWC Tests (Jest)
Flow Tests



Free(ish)

UTAM
Puppeteer
Selenium
Postman
CI/CD Tools



Commercial

Copado
Gearset
Provar
SwifTest

Getting Started

Identify What to Test

Determine which aspects of your Salesforce org are mission critical, which take the most time to manually test, and which cause the most headaches.

Document your Scripts

Write out the steps needed to test processes (including variations) and document the expected results.

Start Automating

Build out your Test Scripts in your Testing Tool(s). Start with a simple test and work your way up to complex ones.



Recording

 Matt Kaufman (You, presenting)

Stop presenting

To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.

Stop presenting

Ignore

Recording



Record your video call

The recording will be saved in Matt Kaufman's Meet Recordings folder in Google Drive

Select the language for captions

None (no captions)

☐ Also start a transcript (English only)

Start recording

Recording will start soon

Matt Kaufman

9:32 PM | bbg-sbzu-jax

Your Homework

A failure to plan is a plan to fail!

The first step is the hardest

Create a test with whatever you're most familiar with: Manual clicks tracked in a spreadsheet, Flow, Apex, etc.

Allocate time in every Sprint/Release to Test Automation

Create/Update your Test Script Documentation. Build/Maintain your Automated Tests. Make Testing part of your requirements gathering.

Level up your Career

Learn about new Test Tools and Testing best practices. Take online courses from Test Automation providers. Develop a Test first mindset.



Questions?

Matt Kaufman
CEO, Mambo Merge
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