



DevOps 101

Release Management



Housekeeping

- **Attendees are muted, but you can raise your hand**
- **Q&A**
 - Ask your questions here!
- **We are recording**
 - You will be emailed a copy tomorrow, Friday April 8th.



A screenshot of the GoToWebinar interface. The top window is titled 'Audio' and shows 'Computer audio' selected, with a 'MUTED' status and a microphone icon. Below it, there are dropdown menus for 'Microphone (HD Webcam C510)' and 'Speakers (High Definition Aud...'. The bottom window is titled 'Questions' and contains a text input field with the placeholder '[Enter a question for staff]' and a 'Send' button. At the bottom of the interface, it says 'Multi sessions different registrants' and 'Webinar ID: 980-960-603', with the GoToWebinar logo.

Introductions



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Quick Review!

Governance

The strategy or framework for managing your technology investments.

Governance is the **foundation** of Application Lifecycle Management and **will dictate** your DevOps strategy.

Environment Strategy

Optimally using the resources available makes everyone's life easier.

Your environment strategy **will fuel** all aspects of technical DevOps execution and potential automation.

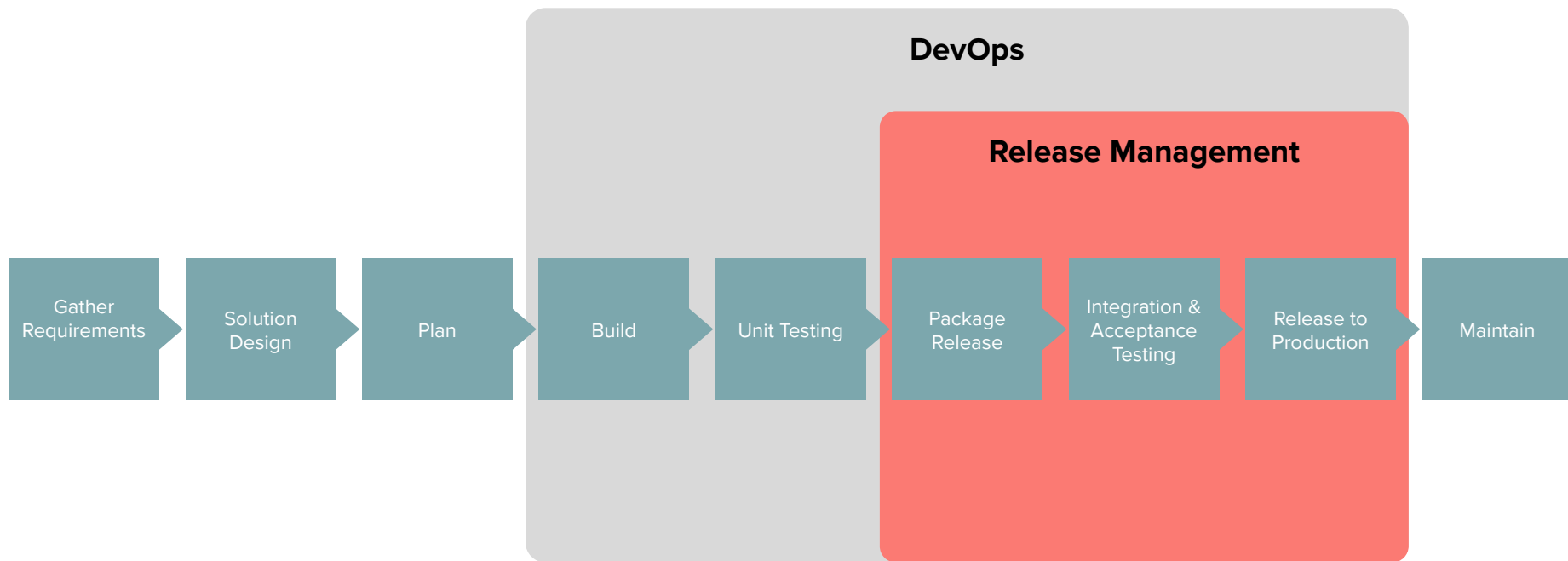
Release Management

When and where changes are promoted from one Salesforce org to another.

Release management is the practice of packaging tested and approved changes so you can make new functionality available in production.



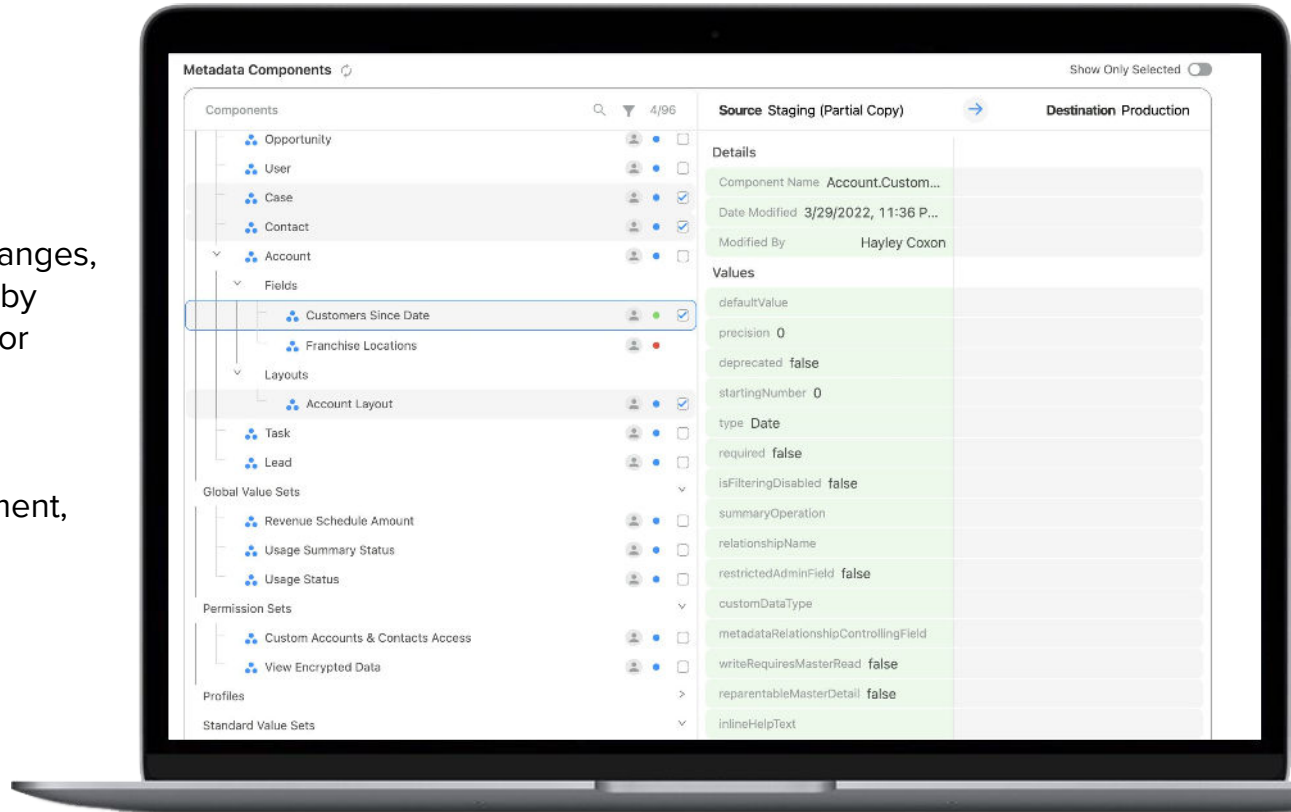
Release Management Within ALM



What is a Release?

A release consists of verified changes, linked to work items completed by Salesforce developers, admins, or contractors.

The changes in a release work together to deliver an enhancement, new feature, or bug fix.



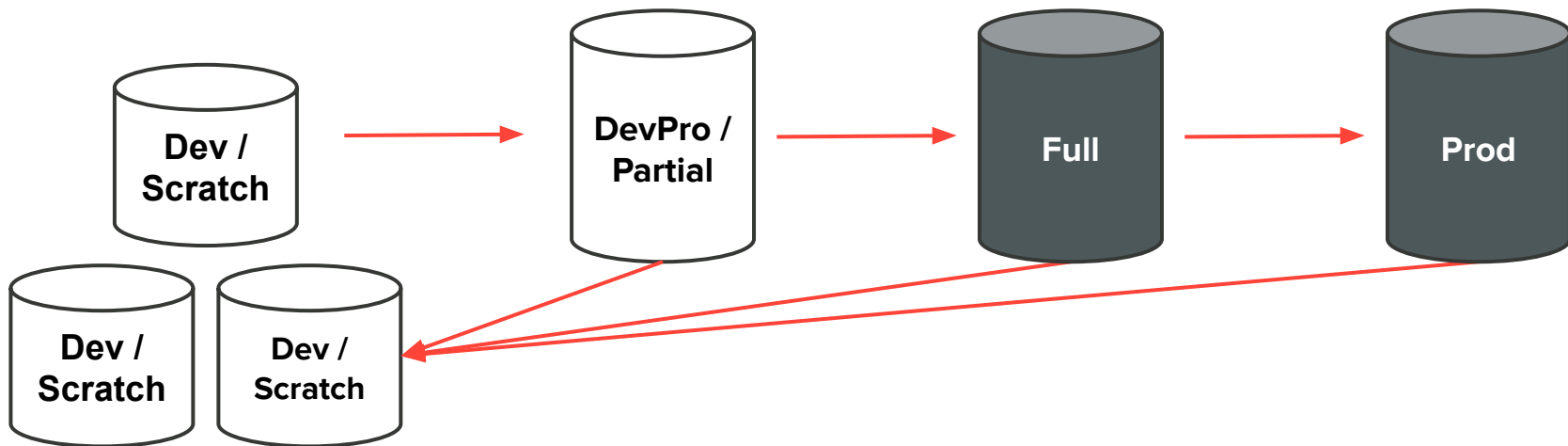
Packaged Release Deployment Flow

Develop & Unit Test

Package Release

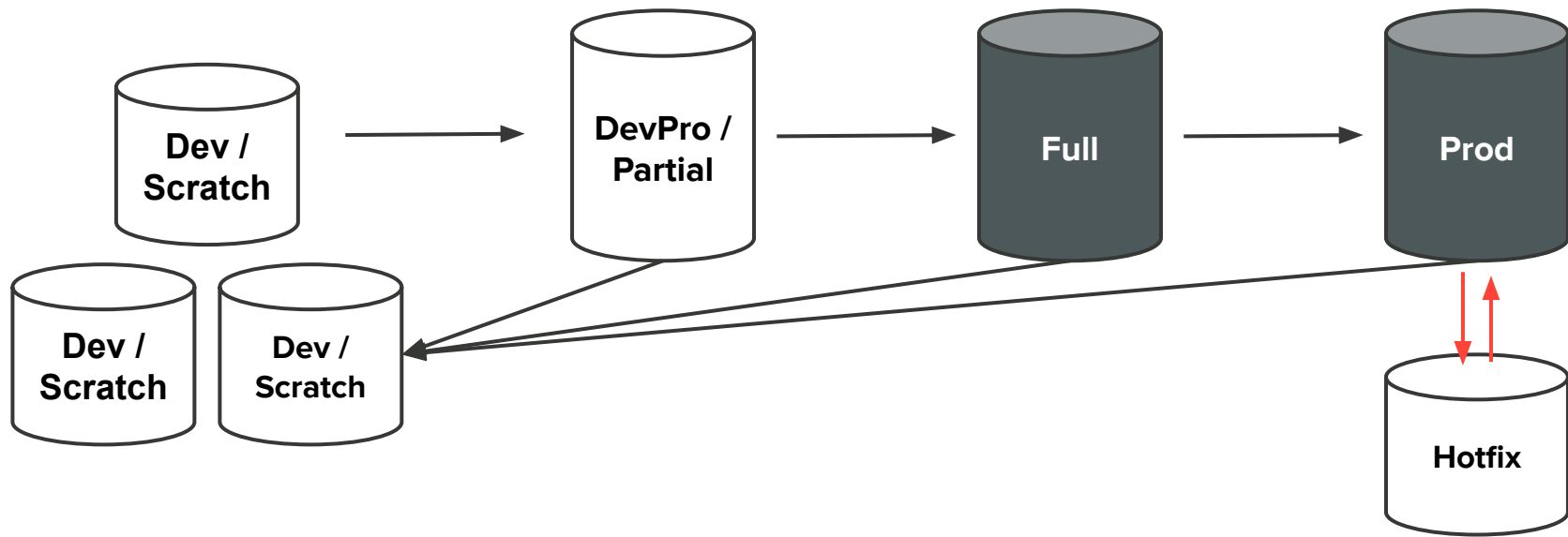
Integration &
Acceptance Testing

Released!



Hotfixes

Have a plan and strategy for when things go wrong.



Getting Started with Release Management

Beginner

Set release dates and build packaged deployments

Establish roles + responsibilities for production releases

Establish testing and approval standards

Intermediate

Align with “Environment per Feature” environment strategy as part of Release Management

Establish release paths for long-term and short-term development work

Start using SIT or Merge org to package releases

Expert

Integrate to source control for automatic audit trail and ability to rollback

Package releases in repository

Automate deployments in pipeline to production

Best in Class: Dedicated “Release Manager”

Based on team size you may or may not have a full time Release Manager, but some one should take on the responsibility of the role:

- Setting up environments
- Analyzing completed work
- Ensuring work passes required testing
- Building a packaged release
- Keeping environments in sync



Best in Class: “Environment per Feature” Development

1. Start every new feature, in a fresh environment
2. Collect features in an integration testing environment
3. Build release packages of tested and approved features
4. Seed release packages back into development environments as they are also promoted forward to UAT, Staging, and Production environments
5. Align release practices to environment management strategy to support both long and short term projects



Best in Class: Automated Release Management

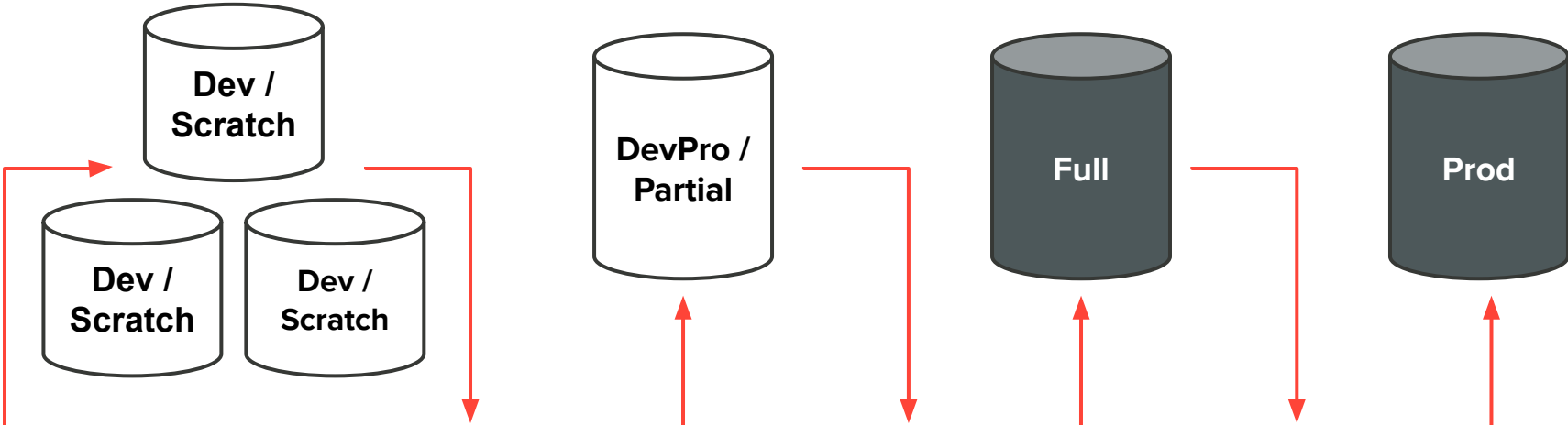
Continuous Integration: Feature branch releases are synchronized with all other active development environments.

Continuous Delivery: Approved release packages are automatically promoted to the next stage until they reach production.

Regression Testing: Automation detects business interrupting bugs or defects before they reach production and users.



Next Session: CI/CD + Version Control



Version Control System

Next Up: How to Implement These Strategies

April 21st: CI/CD & Version Control

May 5th: Testing

Catch Up on Previous Courses:

1. Governance
2. Environment Management

<https://prodly.co/devops-101-for-salesforce-admins-resources/>



Free Change Management Audit

Take a deep dive with Prodly's Change Management experts to examine:

- Your company's governance strategy
- How are change requests handled
- What your path to production look like
- How are your resources utilized

And see where you can make crucial improvements to your change management process!



Email: smoerland@prodly.co or
go to <https://info.prodly.co/audit>



Questions?

