Introduction to Power Platform ALM for non technical

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Agenda

- What is ALM?
- ALM Power Platform
- Limitations

What is ALM?

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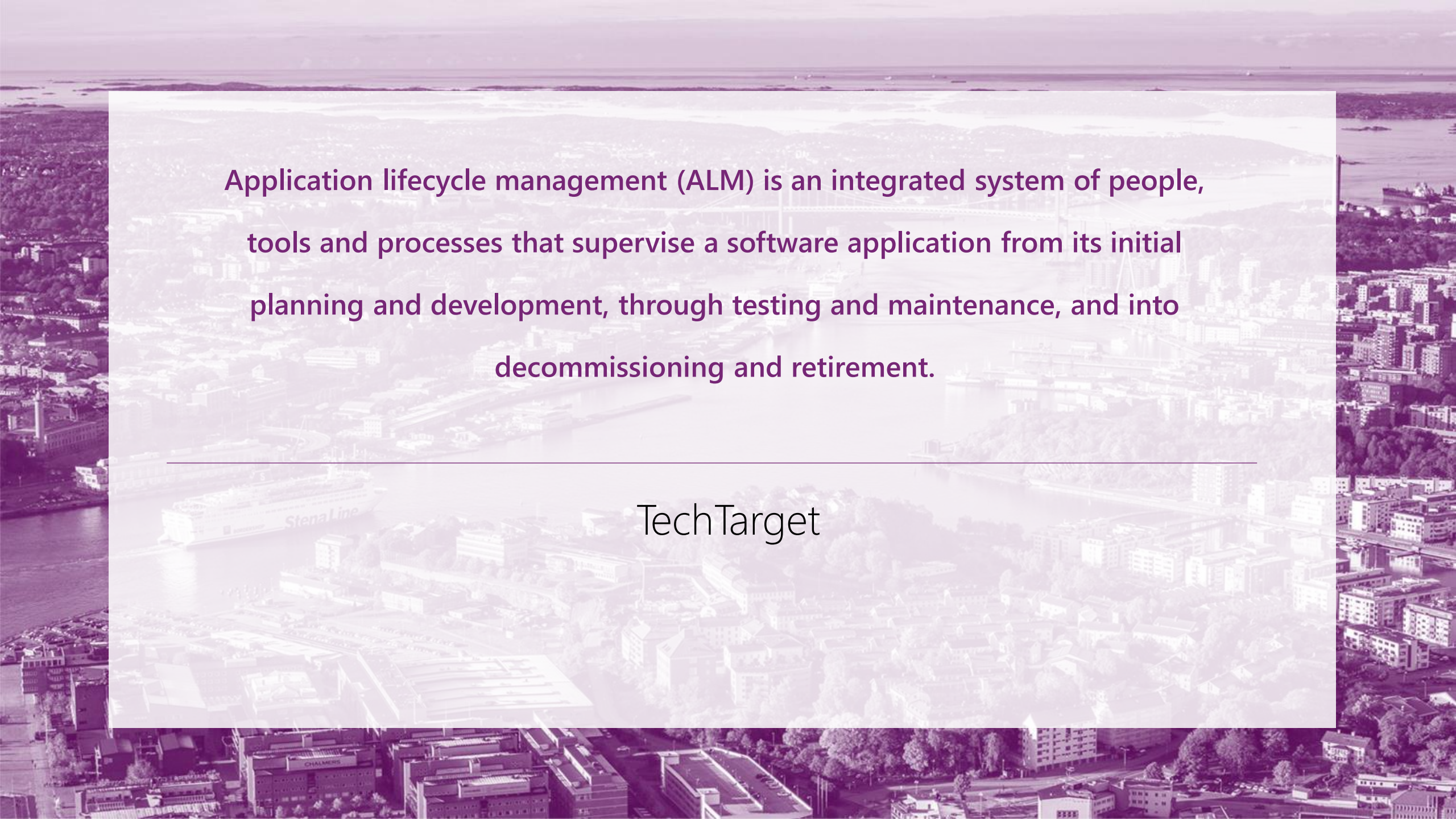
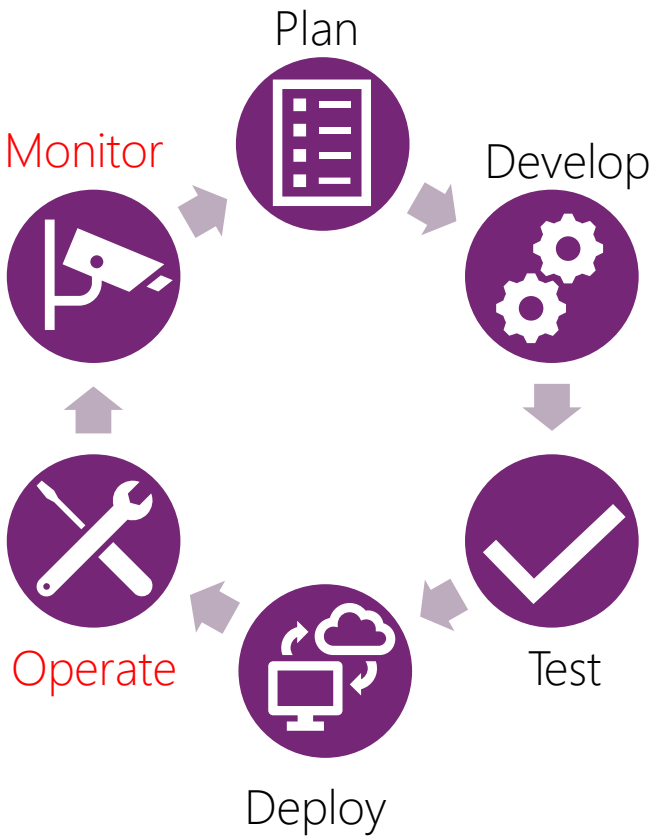


Application lifecycle management (ALM) is an integrated system of people, tools and processes that supervise a software application from its initial planning and development, through testing and maintenance, and into decommissioning and retirement.

TechTarget

What is ALM?

- Application Lifecycle Management
- Automation



Why ALM?

- Increased visibility into workflow
- Enhanced compliance
- Faster deployments
- Higher-quality products

- Automation

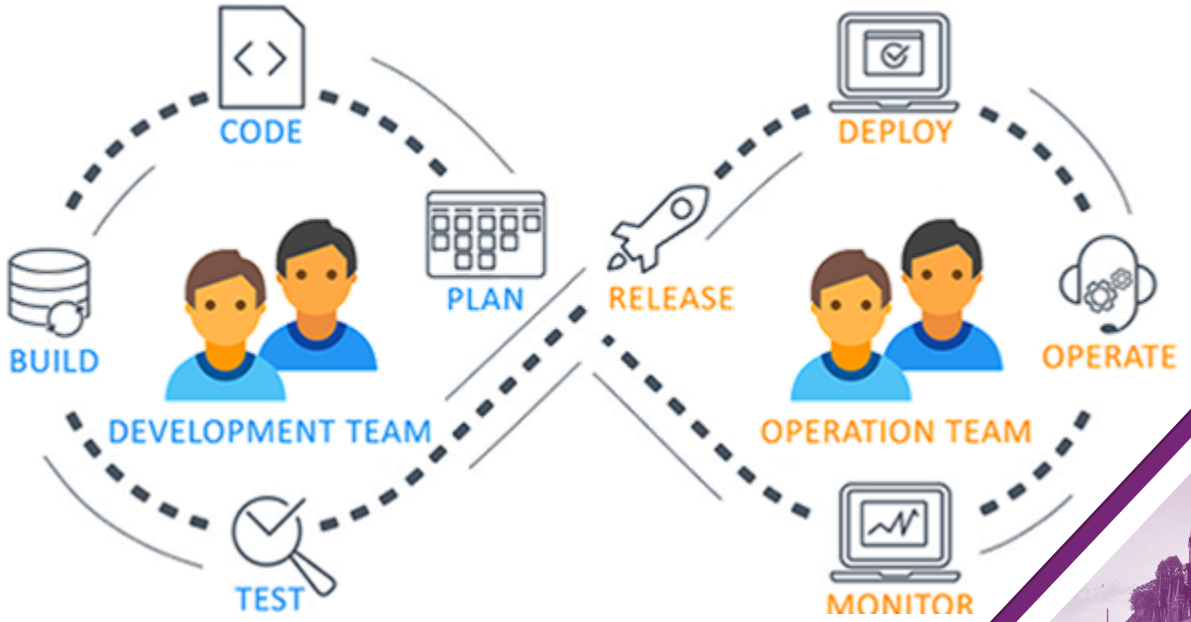
- Minimize manual work
- Increase Quality

Tools ALM

- Version Control
- Team communication
- Estimation and planning
- Requirement management
- Test management
- Maintenance and support
- Automated deployment
- …

What is DevOps?

- Development & Operations
- Set of practices
- Union of
  - Process
  - People
  - Working Product
- Enables
  - Continuous Integration
  - Continuous Delivery



ALM Power Platform

Solutions

- Only Containers
- Never use ”Include all components”
- Configurable
- Contains ”only” customization
- Purpose/Supplier separation
  - Note publisher
- Patching & Cloning

Customization vs. Data

Customization

- Table
- Column
- Business Rules
- …

Data

- Table Records

Exception

- Environment Variables
- Duplication Detection Rules
- …

Unmanaged vs. Managed

Unmanaged

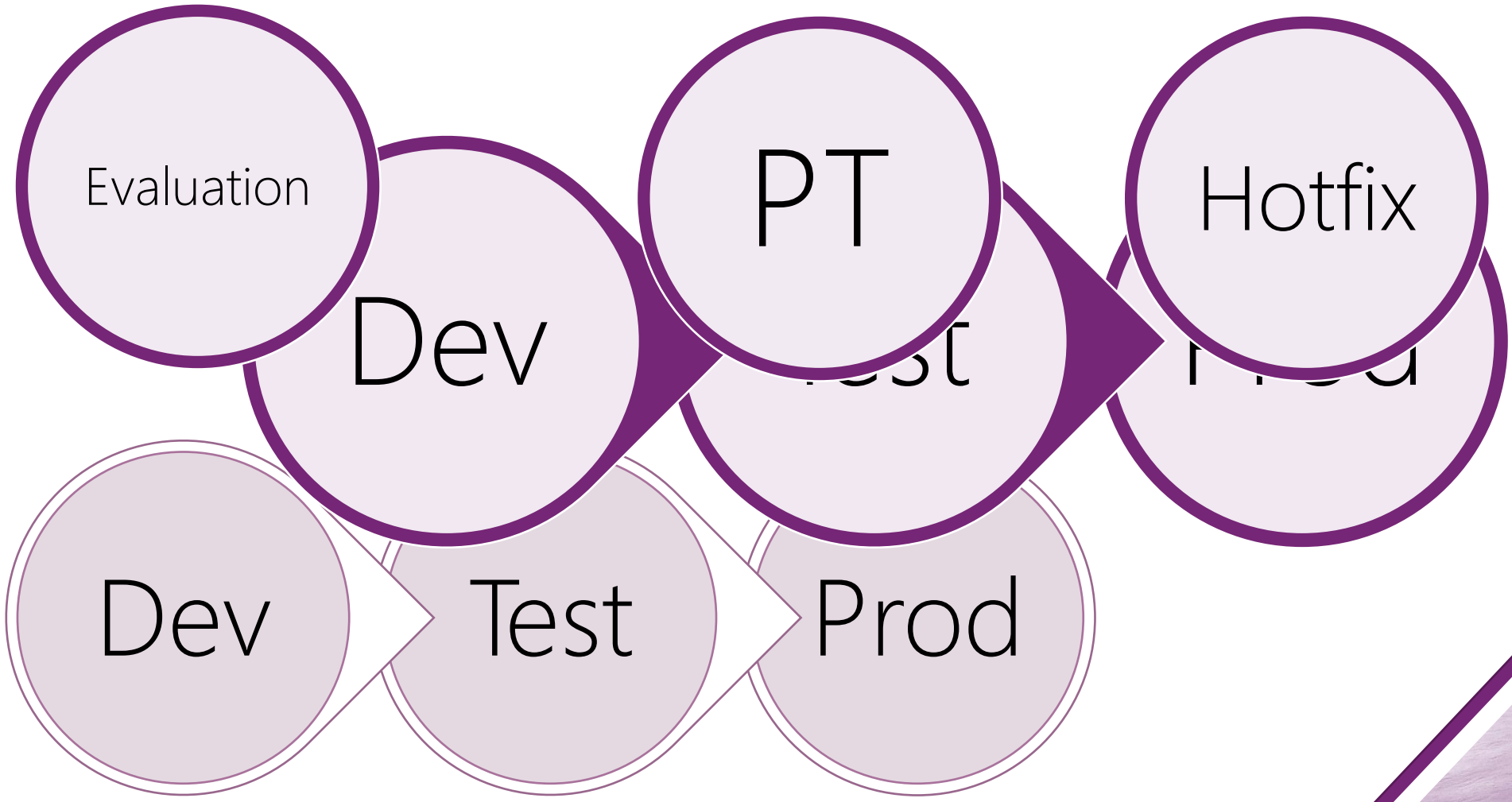
- Add components
- Remove components
- (Delete components)
- Export to Unmanaged
- Export to Managed
- Can be deleted without uninstalling components

Managed

- Unable to add components
- Unable to remove components
- Can not be exported
- Deleting will uninstall all components

Environments

Environments



DevOps in the Power Platform 1/2

- Configuration Tables
  - Environment Variables
- Automated access
  - Team assignment
  - Sharing Apps
- Different Types of users
  - Non-Interactive Users
  - Application Users

DevOps in the Power Platform 2/2

- Notification per environment
- Activity Logging
- Data Loss Prevention (DLP) policies
- Center of Excellence (StarterKit)
- Azure Application Insights

Approaches

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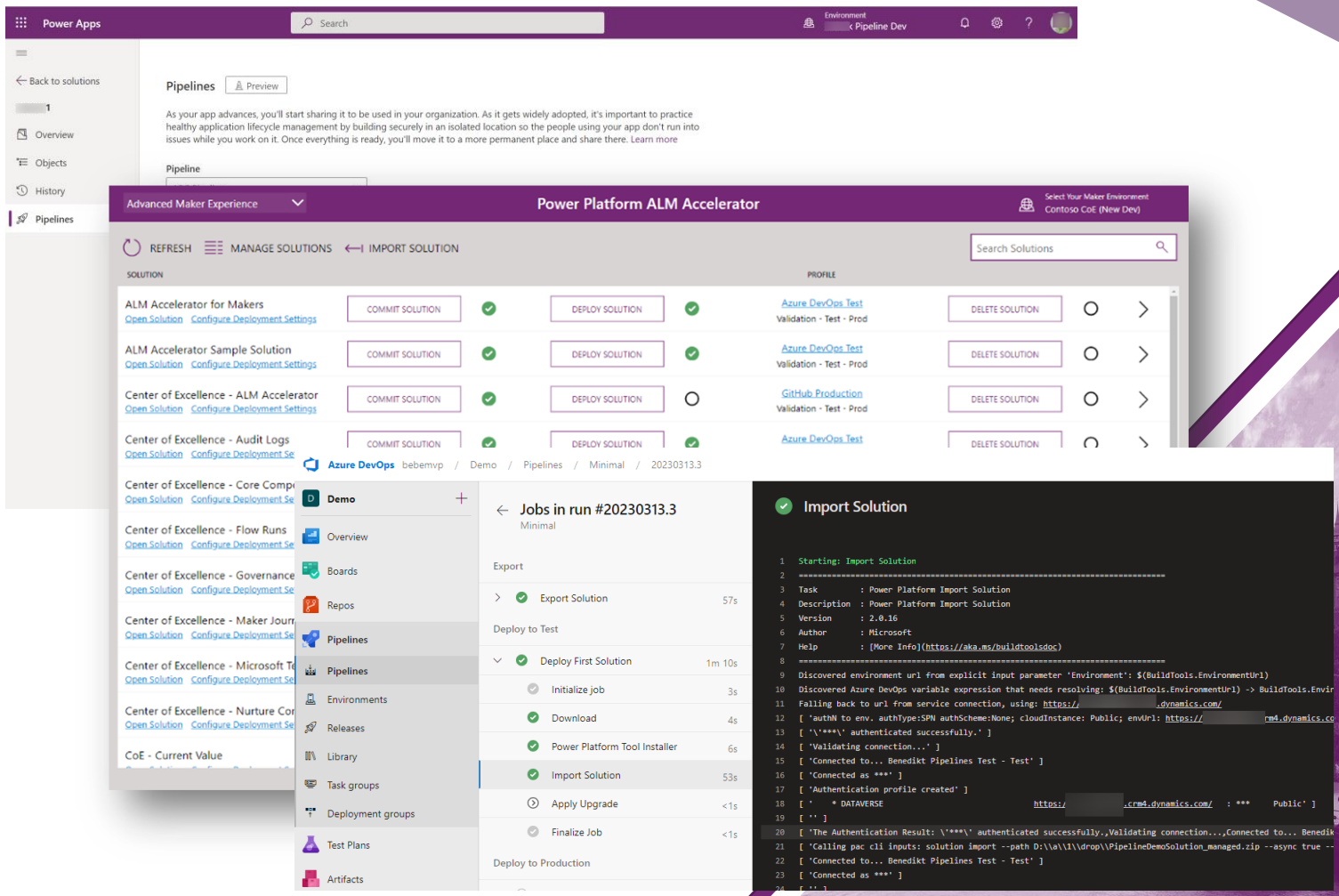
Approaches

- Manuel
- Automated
  - Azure DevOps
  - GitHub
  - …

Pipeline ≠ Pipeline

- Power Platform Pipelines
- ALM Accelerator
- Azure DevOps Pipelines



Limitations

- Embedded Canvas Apps
- SLA
- ARC
- Custom Connectors
- Custom Table must be included first
- Managed Plugins

Licensing enforcement

- Owner doesn't have sufficient license
  - Service Principal
  - Trial
  - No license longer
- Relate to App
  - Automatically
  - Manual (Script or UI)

Thank you

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