

SPEAKER



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— Solutions Lead @ Cloud2, a BCN Group company —

Power Platform Pipelines vs ALM Accelerator

AGENDA

1. What is ALM
2. ALM Accelerator by PowerCAT Team
3. Power Platform Pipelines (Preview)
4. Key Takeaway
5. Q&A

What is ALM

(Application Lifecycle Management)

What Is Application Lifecycle Management (ALM)?



Structured process for managing solutions throughout development stages.

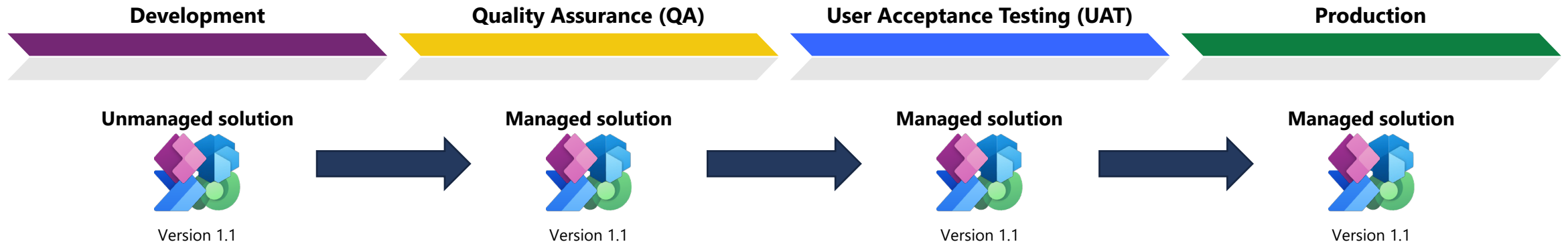
Managing solutions and projects through source control and versioning

Phased solution deployments using Pipelines and release management

Quality standards and reviews

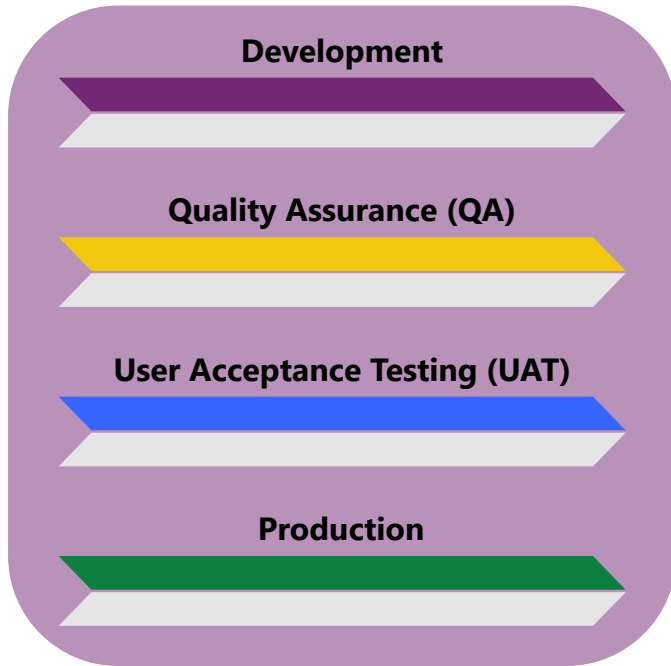
Simplified and structured configuration/changes

ALM basics

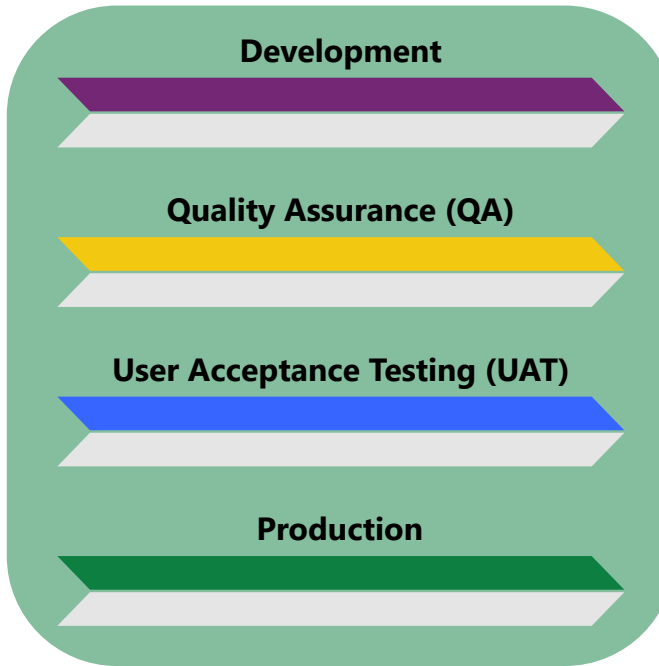


ALM basics

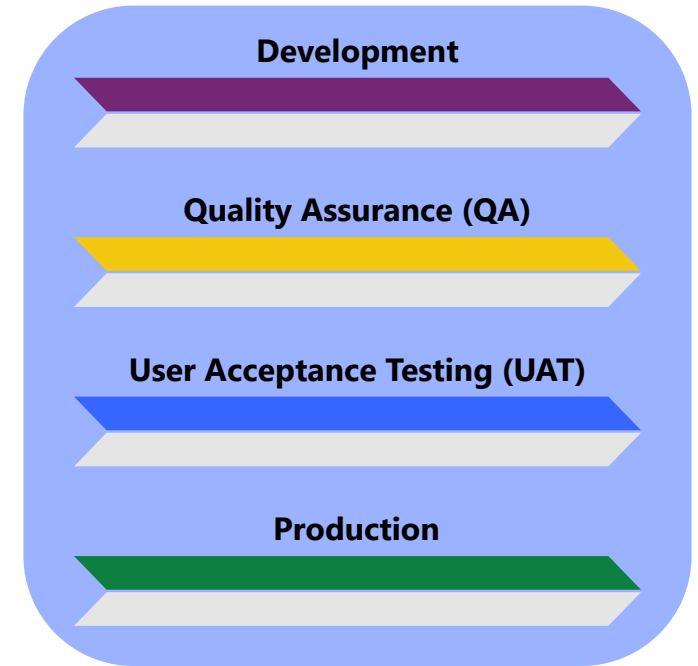
My Company United Kingdom



My Company South Africa



My Company Canada



ALM Accelerator

What is the ALM Accelerator

- — ● Power Platform ALM solution built by the PowerCAT team.
- — ● Forms part of the CoE Starter Kit
- — ● Consists of a Power App Canvas and Model-Driven application. (Admin and maker apps)
- — ● DevOps integrated solution for solution source control.
- — ● Configured pipelines for deployment across ALM environments
- — ● Offers a streamlined project creation tool.
- — ● Pre-built ALM process that can be expanded on.

Setting up the ALM Accelerator



Setting up the ALM Accelerator



Configure a Development, Validation, Test and Production environment (with Dataverse)



Azure DevOps Parallelism for pipelines (request for a free grant also available)



Create new Azure App Registration



Apply appropriate permissions to new App Registration (Azure DevOps, Dynamics CRM, Power Apps-Advisor)



Grant admin consent for App Registration permissions



Create new Client Secret in App Registration



Store copies of Application (Client) ID, Azure DevOps ID, Directory Tenant ID, Client Secret value



Add redirect URL to App Registration



Grant Power Apps Management permissions in tenant through PowerShell



Install DevOps extensions



Create App users for App Registrations in all ALM environment



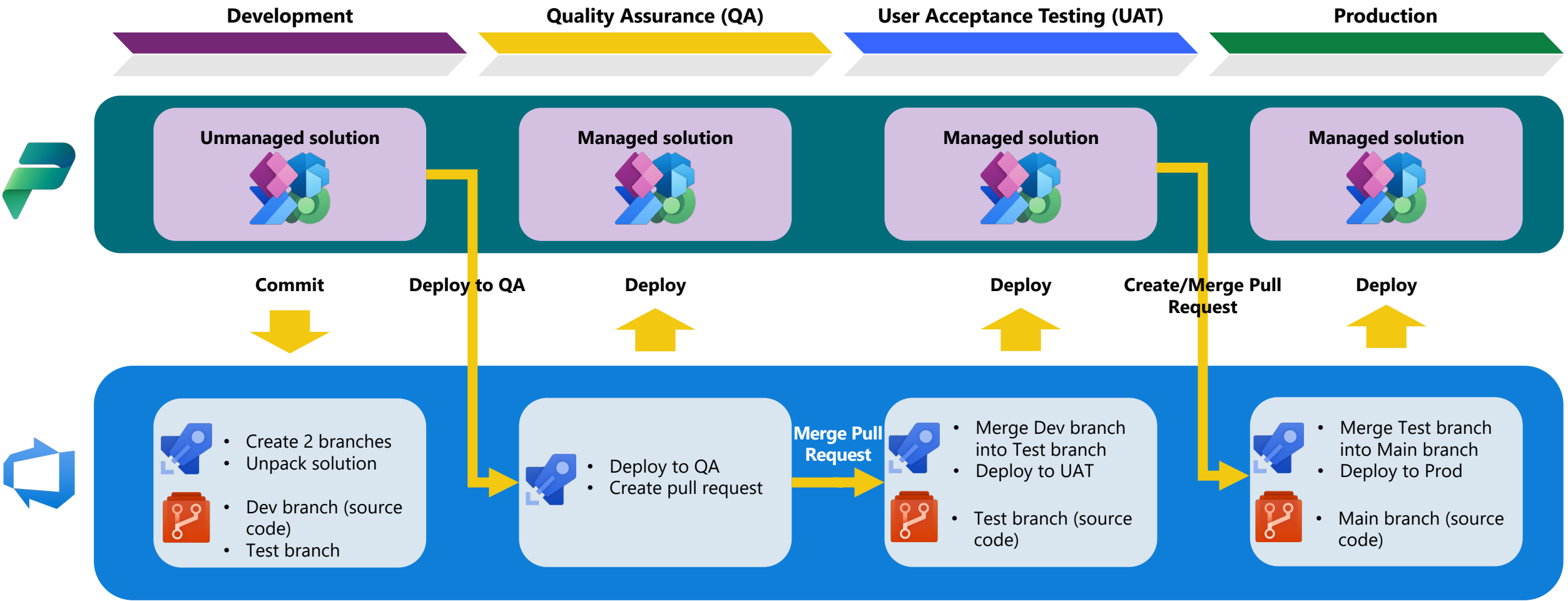
Update custom connector

Hands on ALM

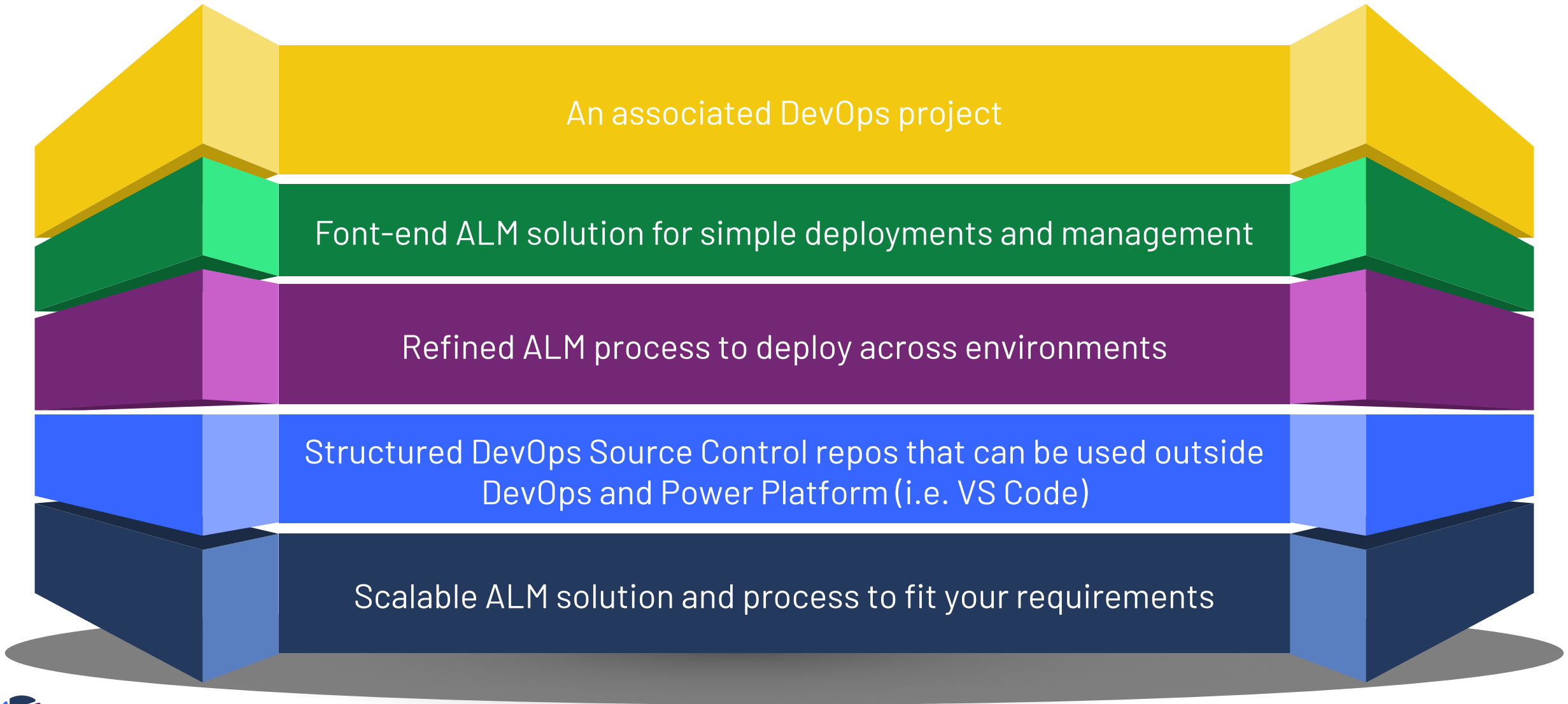
The screenshot displays the Microsoft Power Apps environment interface. The top navigation bar includes the user profile 'Nati Turtledove', the 'Power Apps' title, a search bar, and environment details 'Environment: Center of Excellence (C...)'. The left sidebar contains navigation options: Home, Learn, Apps (selected), Create, Dataverse, Flows, Chatbots, AI Builder, and Solutions. The main content area is titled 'Apps' and shows a list of applications. A yellow banner at the top of the list states: '8 environment variables need to be updated. See environment variables'. The list table has columns for Name, Modified, Owner, and Type.

Name	Modified	Owner	Type
ALM Accelerator for Power Platform	6 d ago	Nati Turtledove	Canvas
ALM Accelerator for Power Platform Administration	1 wk. ago	Nati Turtledove	Model-driven
Creator Kit Reference App	3 wk ago	Nati Turtledove	Canvas
Creator Kit Reference App	3 wk ago	Nati Turtledove	Model-driven
Fluent Theme Designer	3 wk ago	Nati Turtledove	Canvas
Canvas Template	3 wk ago	Nati Turtledove	Canvas
Power Platform Admin View	1 mo. ago	Nati Turtledove	Model-driven
CoE Setup Wizard (Preview)	1 mo. ago	Nati Turtledove	Model-driven
Admin - Environment Request	1 mo ago	Nati Turtledove	Canvas
Maker - Environment Request	1 mo ago	Nati Turtledove	Canvas
Set App Permissions	1 mo ago	Nati Turtledove	Canvas
Set Flow Permissions	1 mo ago	Nati Turtledove	Canvas
Maker - Command Center	1 mo ago	Nati Turtledove	Canvas
DLP Editor V2	1 mo ago	Nati Turtledove	Canvas

ALM Accelerator Process



Summarized



Power Platform Pipelines

What are Power Platform Pipelines

- — ● Preview ALM feature by in the Power Platform.
- — ● Dynamics 365 application tool for cross environment deployment.
- — ● Consists of a Model-Driven App for configuration.
- — ● Simplified ALM process for makers to deploy with minimum ALM knowledge.
- — ● Pipeline security role

Setting up Power Platform Pipelines



Configure a Development, Validation , Test and Production Environment (with Dataverse)



Enable Managed Environments for above environments



Store copies of Environment ID's



Install Power Platform Pipelines in Host (Prod) environment



Assign Pipeline security roles

Hands on ALM

Nati Turtledove

Power Platform admin center

?

Nati Turtledove

Home

Environments

Analytics

Billing (Preview)

Settings

Resources

Help + support

Data integration

Data (preview)

Policies

Admin centers

Ask virtual agent

Details

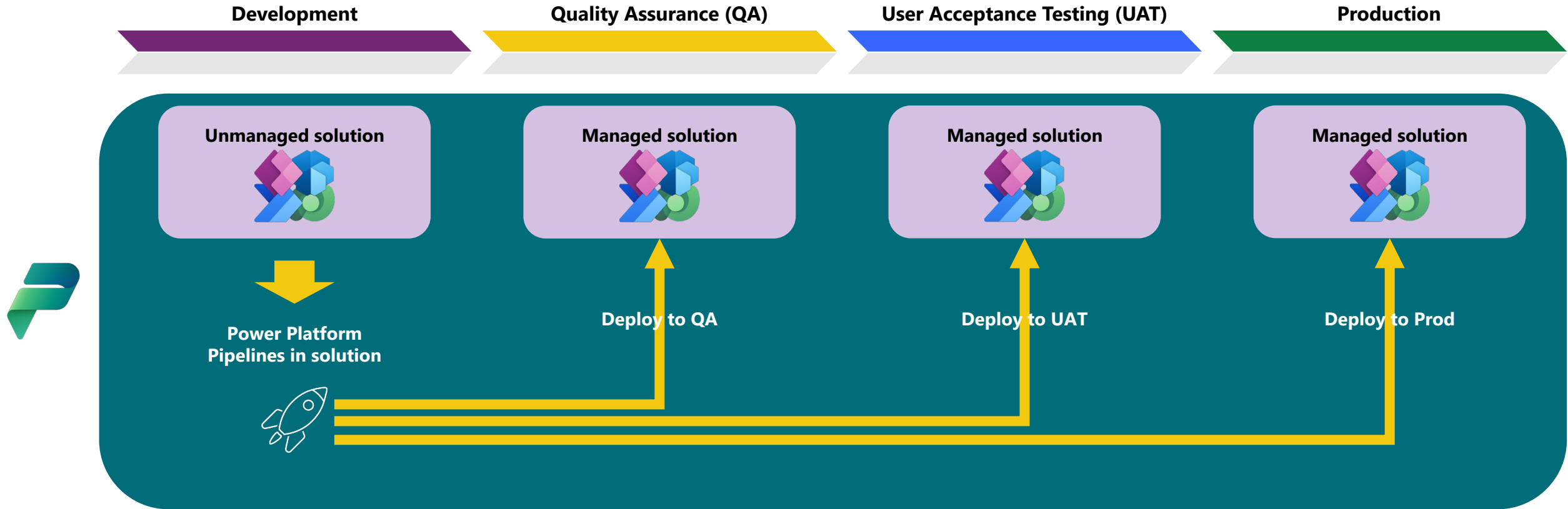
Environments > Internal Production > Dynamics 365 apps

Check the status of Dynamics 365 apps and manage them across your org. [Learn more](#)

Name ↑		Status	Publisher
Dynamics 365 ContextualHelp	...	Installed	Microsoft Dynamics 365
Environment variables	...	Installed	Microsoft Dynamics 365
Microsoft Dynamics 365 - Insights App Platform	...	Installed	Microsoft Dynamics 365
Microsoft Flow Extensions	...	Installed	Microsoft Dynamics 365
OData v4 Data Provider	...	Installed	Microsoft Dynamics 365
Power Apps Actions	...	Installed	Microsoft Dynamics 365
Power Apps Checker	...	Installed	Microsoft Dynamics 365
Power Automate Process Mining	...	Installed	Microsoft Dynamics 365
Power BI Extensions (Preview)	...	Installed	Microsoft Dynamics 365
Power Platform Connection References	...	Installed	Microsoft Dynamics 365
Power Platform Pipelines	...	Installed	Microsoft Dynamics 365
Virtual connectors in Dataverse	...	Update available	Microsoft Dynamics 365

Feedback

Power Platform Pipelines process








Summarized








Key Takeaway

Benefits

ALM Accelerator

-  **Associated DevOps projects**
-  **Structure source control**
-  **Pre-defined ALM process**
-  **Two front end applications for configuration and deployments**
-  **Extremely scalable**

Power Platform Pipelines



-  **Built in Power Platform ALM process**
-  **Ability to configure multiple deployment stages per project**
-  **Two security roles for makers and admins**
-  **Multiple deployment environments**
-  **Structure versioning**

Cons

ALM Accelerator

-  Setup & configuration is complicated
-  Various permission alignment
-  Versioning changes
-  Limited to 3 deployment environments
-  Active bugs & issues / manual updates

Power Platform Pipelines

-  Not associated with DevOps projects
-  No source control
-  No front-end deployment manager for all solutions
-  Minimum scalability

Comparison

	Small Team	Large Team	Environment Deployment	Source Control	Objects & Connections	Usability	Suitable For	Setup
ALM Accelerator	No	Yes	Yes	Yes	Yes	Medium	Pro Devs	Medium
Power Platform Pipelines	Yes	No	Yes	No	Yes	Easy	Citizen Dev	Easy

Which direction to go in

ALM Accelerator

- Utilize DevOps projects
- Require & familiar with source control
- Pro code
- Customer projects
- Collaboration
- Need a unified tool



Power Platform Pipelines

- Simple ALM process
- Small internal projects
- Not familiar with source control
- Limited to free connectors

Q&A



Nati Turtledove
Check out my profile

