

GLOBAL POWER PLATFORM BOOTCAMP 2023

HARARE, ZIMBABWE

Govern like a pro: Setting up an ALM governance framework for Power Platform

Nati Turtledove



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EDMONTON

February 25th, 2023

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Govern like a pro: Setting up an ALM governance framework for Power Platform



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Nati Turtledove

Solutions Lead @ Cloud2, a BCN Group company



- Currently live in Cape Town, South Africa.
- I've been developing with the Power Platform for over 6 years .
- I love building solutions that make day to day activities simpler.
- Love all sorts of technology (Don't get me started on Raspberry Pi's).



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Agenda

- What is ALM
- Building a Governance Framework
- Getting Started
- Q&A



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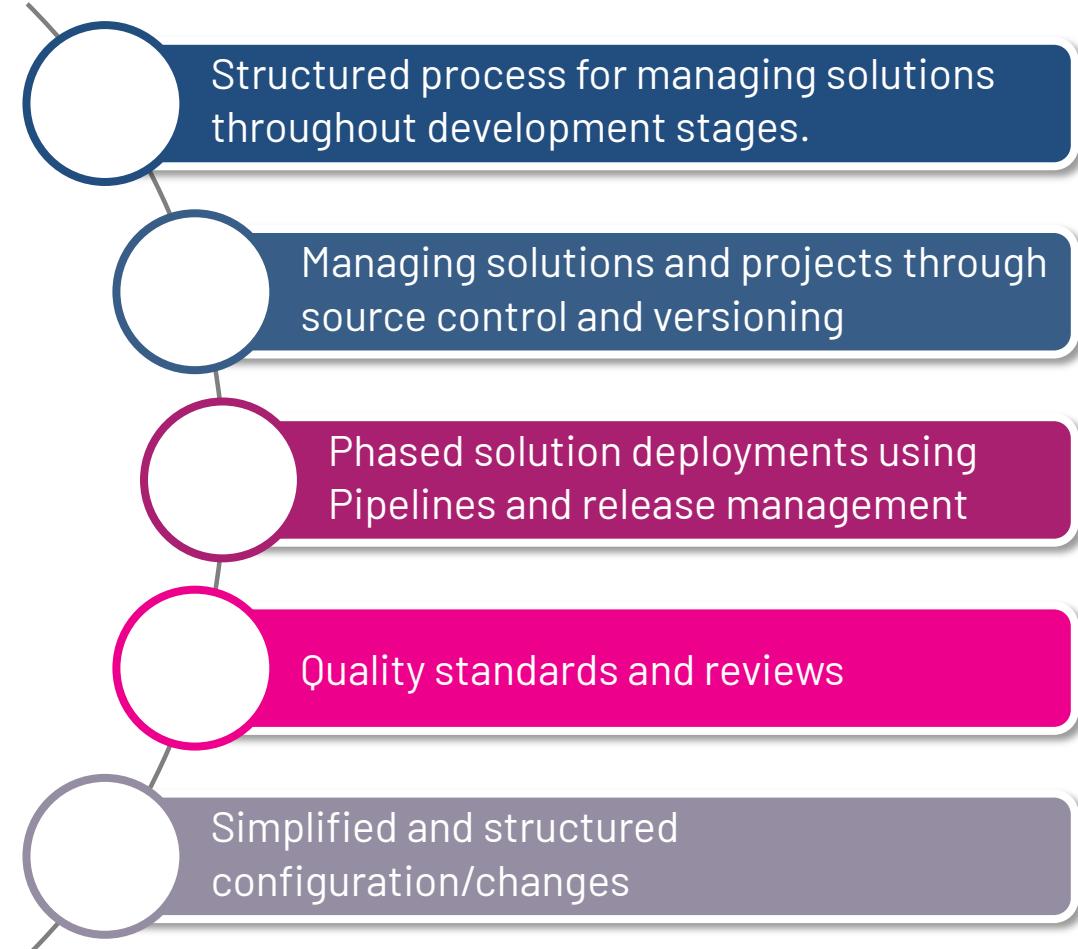
WHAT IS ALM (APPLICATION LIFECYCLE MANAGEMENT)



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What is Application Lifecycle Management (ALM)





- 1 Governance
- 2 Application Development
- 3 Maintenance





BUILDING A GOVERNANCE FRAMEWORK



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ALM Governance

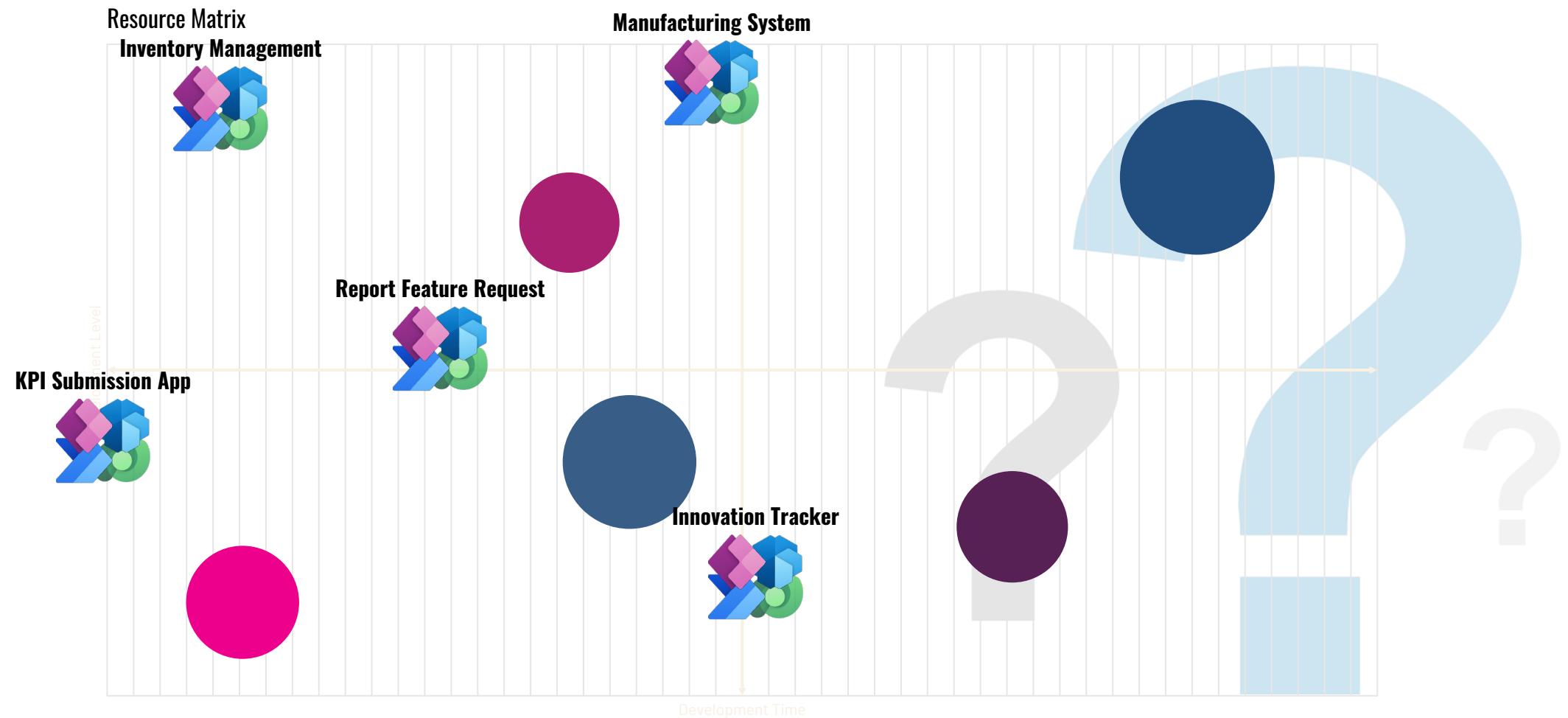
- Structured resource planning and management
- Documented development standards
- Environment strategy
- Source control and versioning
- Quality assurance alongside peer reviews
- Security compliance
- Dealing with change requests



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Resource Management



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Resource Allocation

60%



Manufacturing System



80%



Report Feature Request



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Development Standards



Naming Convention



Code Structure



Theme Control



Delegation Avoidance



Accessibility Accommodation



Error Handling



Security



Data Policies



Performance Alignment



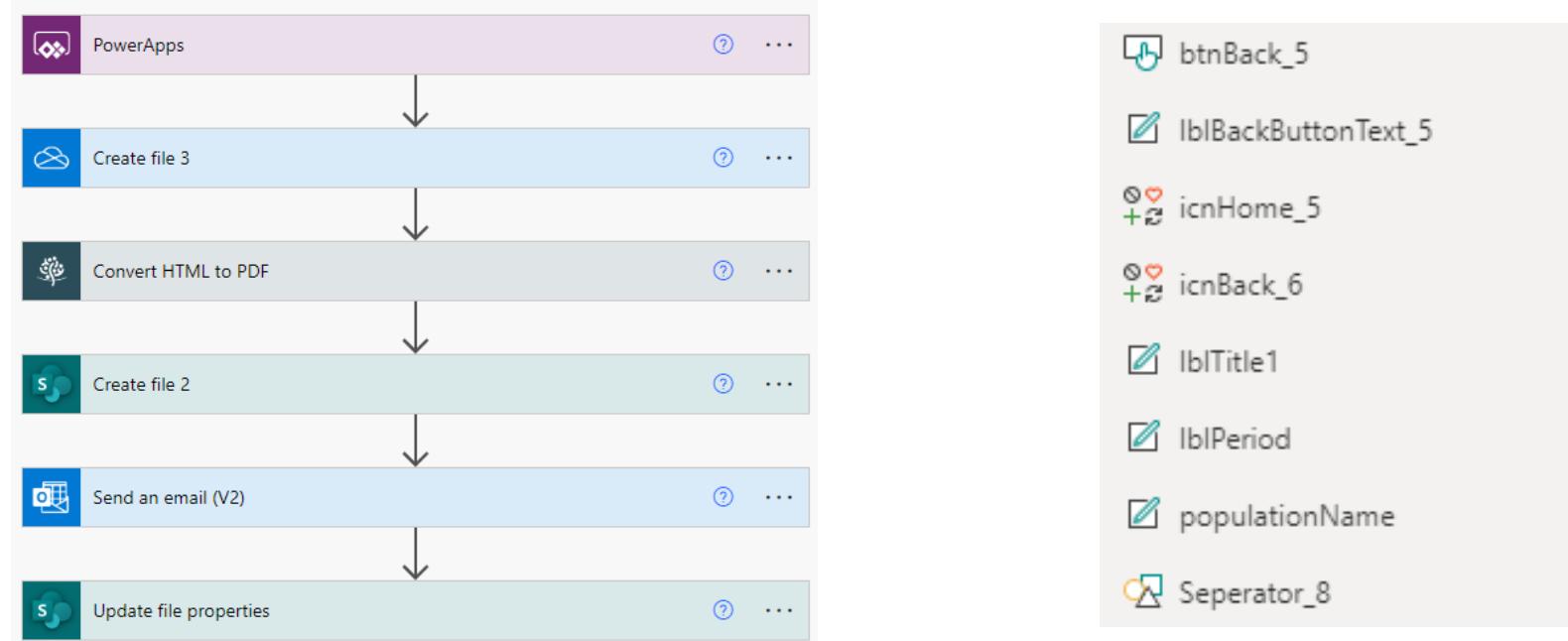
Branding Guidelines



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Development Standards - Bad



```
Collect (Quotation, {Title: CHName_1.SelectedText.Title, Date: CHDate_1.SelectedDate, Rate: Value(CHRates_1.Text), Hours: Value(CHHours_1.Text), 'Project Type': CHProjectType_1.SelectedText.Value, ProjectDetails: ChProjectDetails_1.Text, QuoteNumber: HTMLInvQuote.Text, TotalAmount: Value(CHTotal_1.Text)});
```

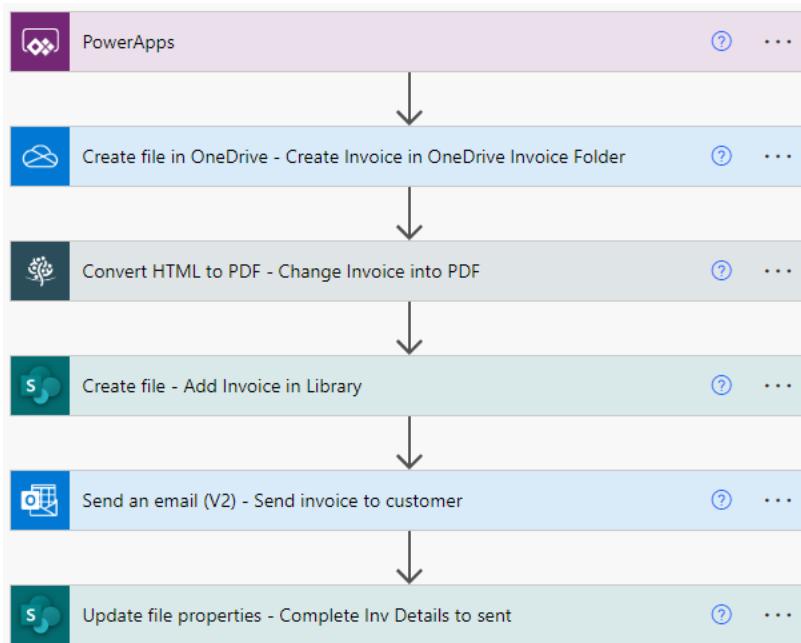
```
Reset(CHName_1);Reset(CHDate_1);Reset(CHRates_1);Reset(CHHours_1);Reset(CHProjectType_1);Reset(ChProjectDetails_1);Refresh(Quotation);
```



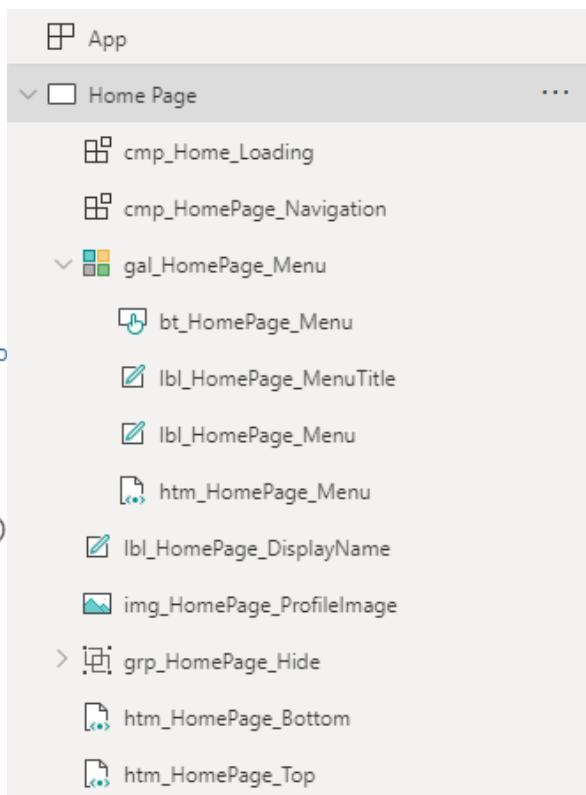
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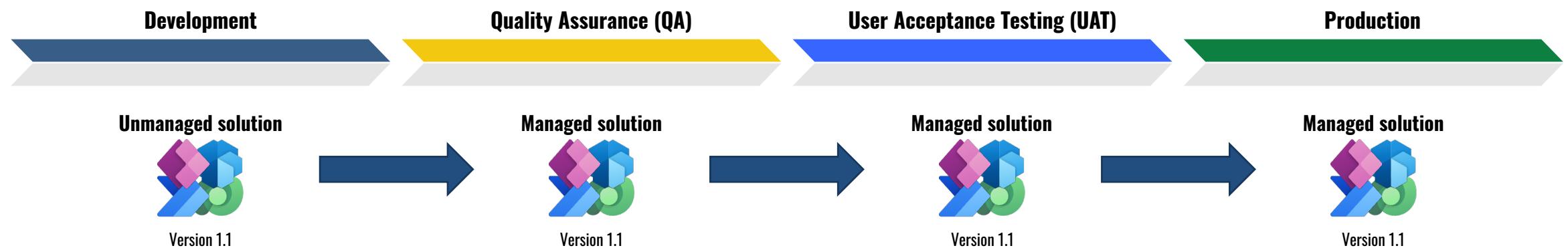
Development Standards - Good



```
//Collect Clients  
ClearCollect(col_Clients, Clients);  
  
//Collect Ledger  
ClearCollect(col_LedgerFull, Ledger);  
  
//Collect Ledger for month  
ClearCollect(col_LedgerForCurrentMonth, Filter(Ledger, Month = Text(To  
  
//Collect Invoices  
ClearCollect(col_Invoices, Invoices);  
Set(glb_NextInvoiceNumber, Sum(Max(col_Invoices,InvoiceNumber)+1));  
Set(glb_InvoiceNumber, "INV00"&Sum(Max(col_Invoices,InvoiceNumber)+1))  
  
//Collect Client Profile  
ClearCollect(col_ClientProfile, 'Client Profile');  
  
//Collect Client Contact Details  
ClearCollect(col_ClientContactDetails, 'Client Contact Details');
```



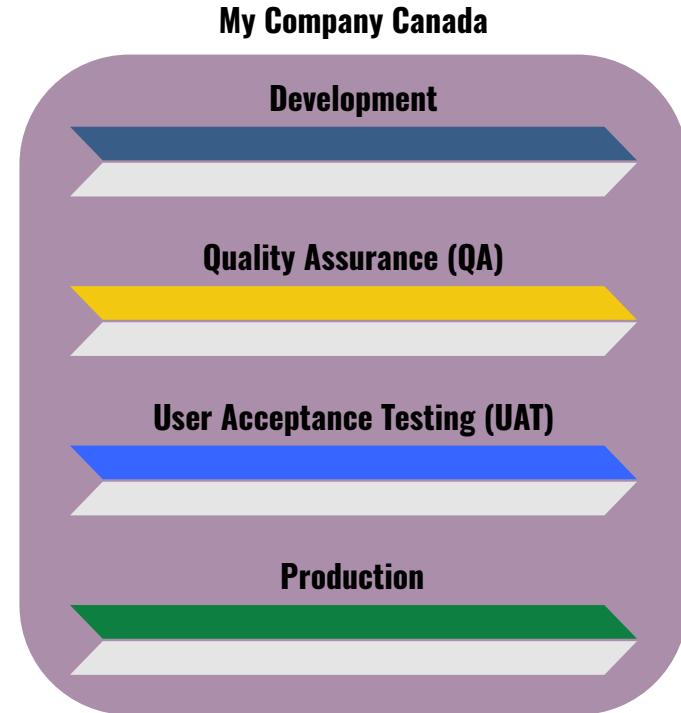
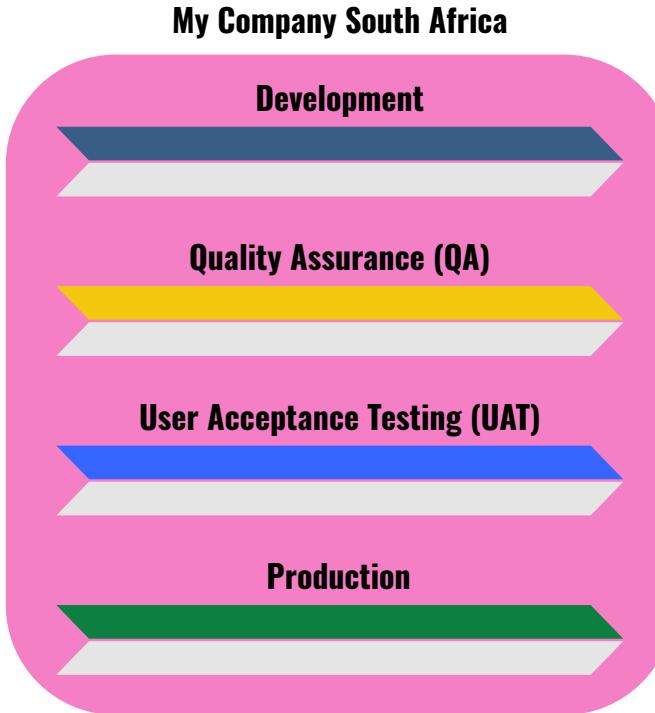
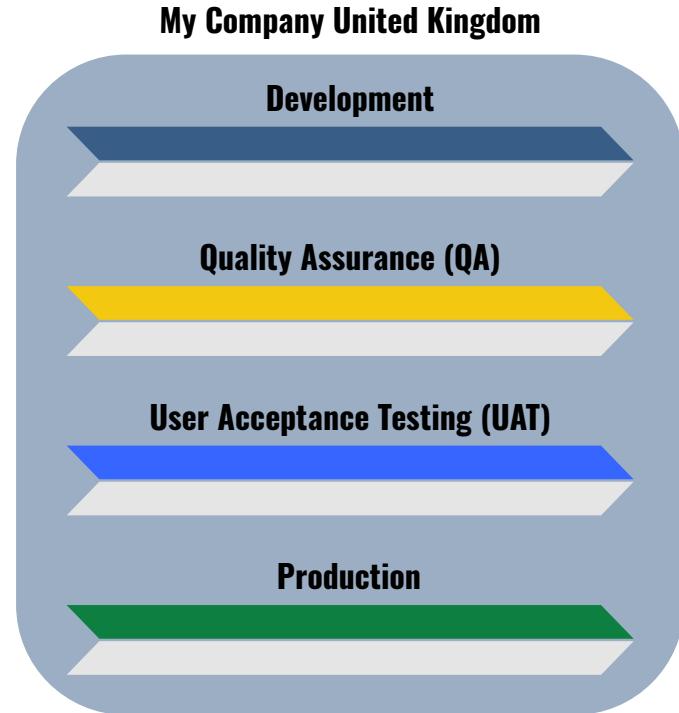
Environment Strategy



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Environment Strategy



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Source Control



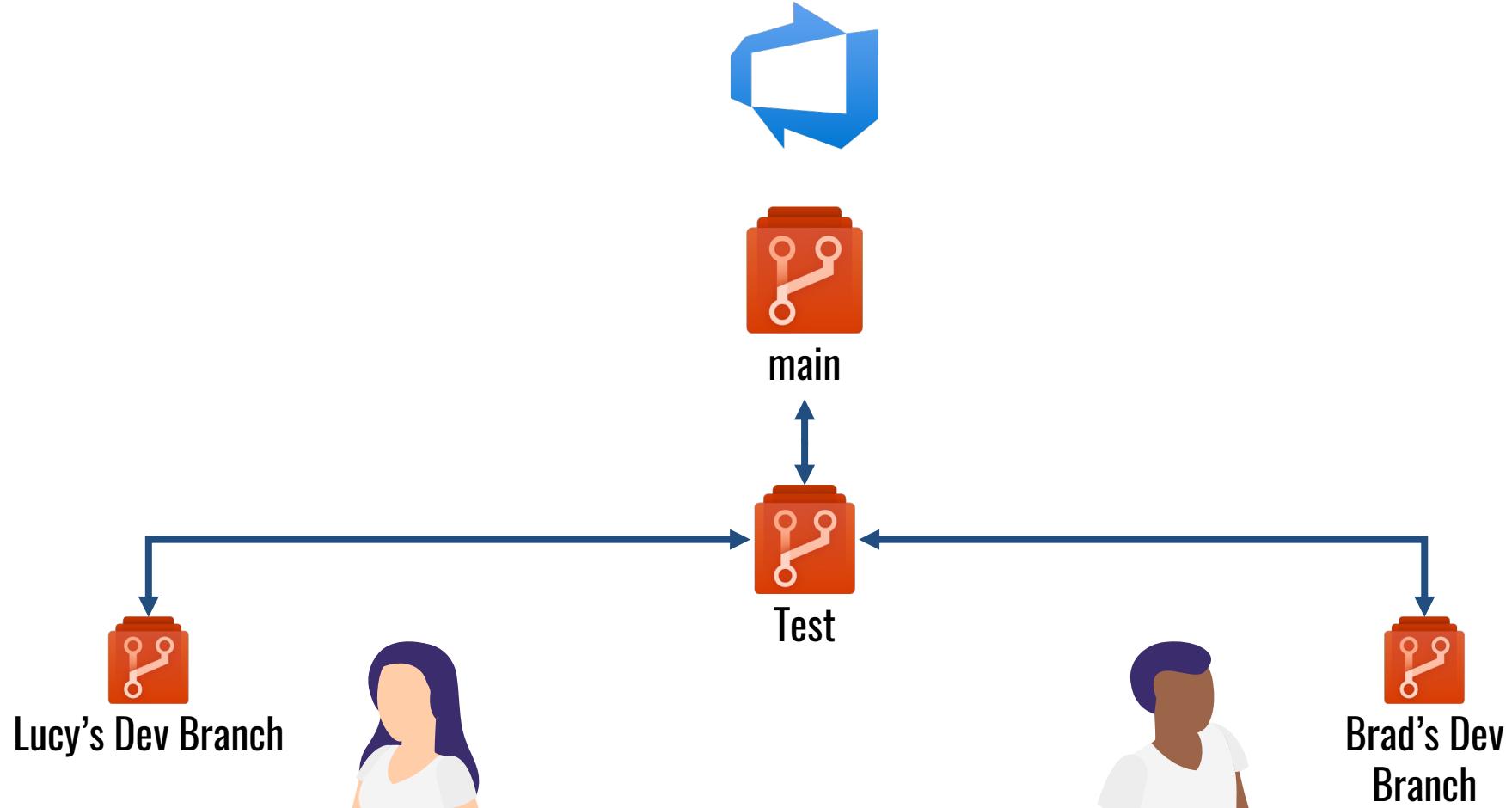
Source: <https://www.ecanarys.com/GitHub-DevOps-Consulting-Services>



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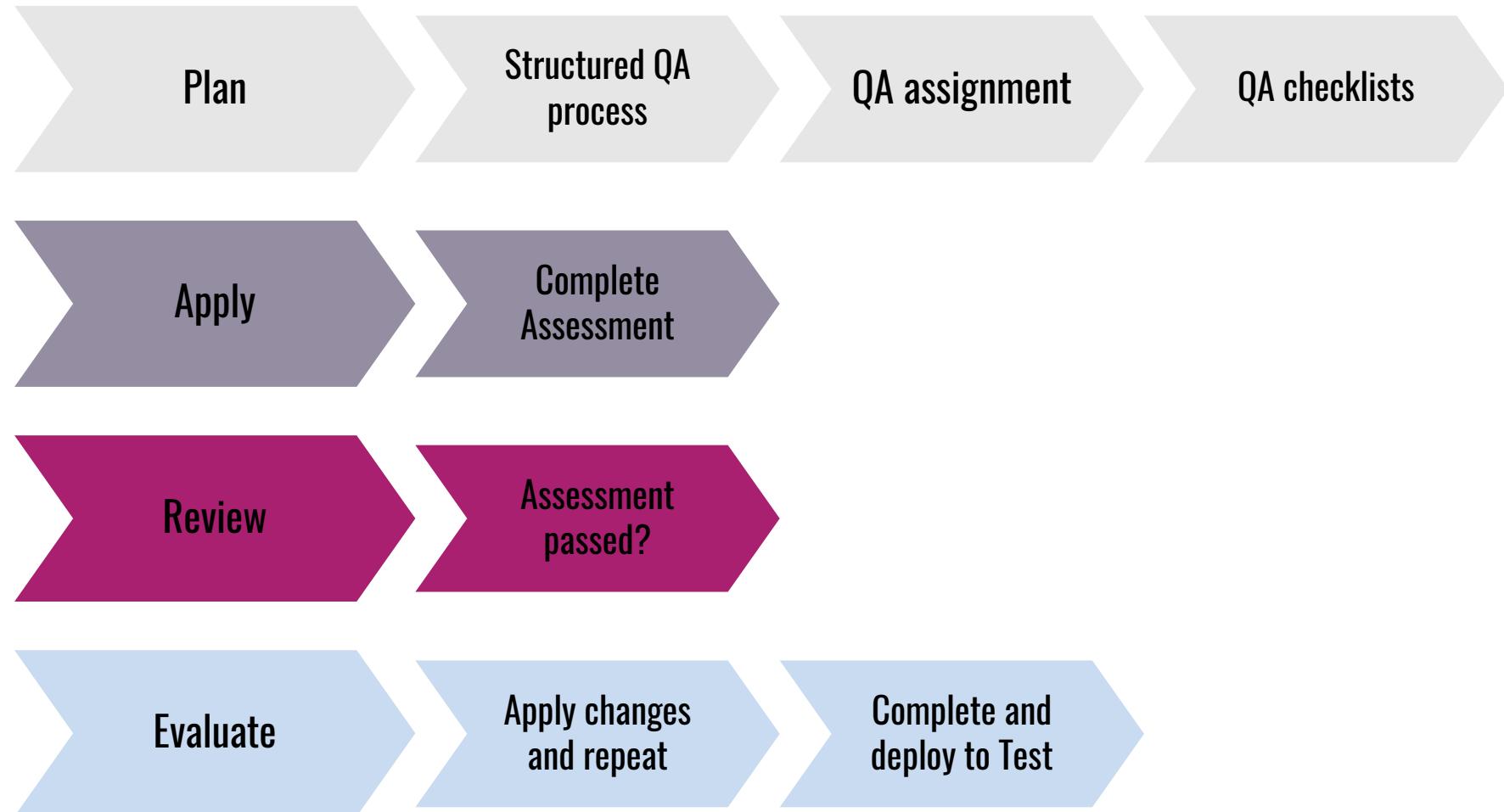
Source Control



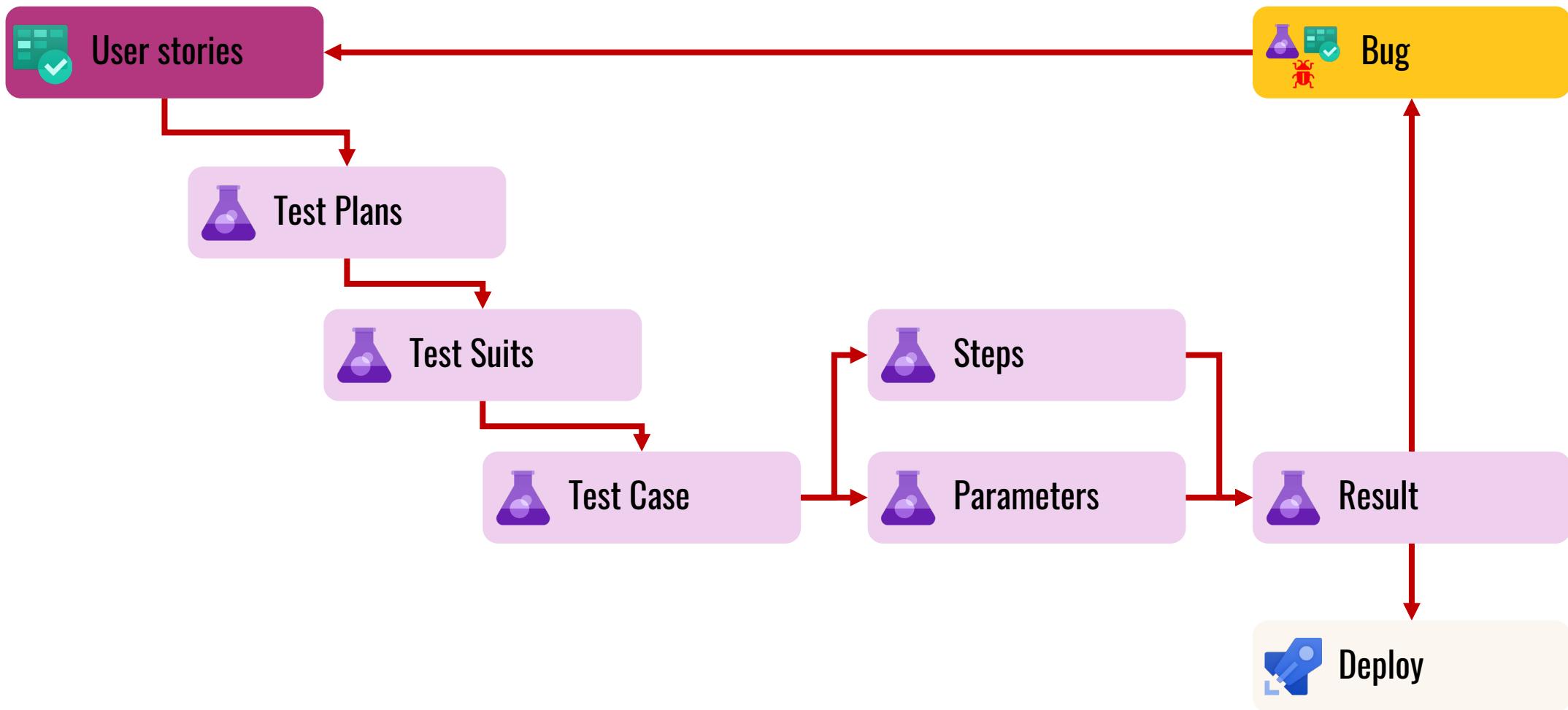
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Peer Review and Quality Assurance



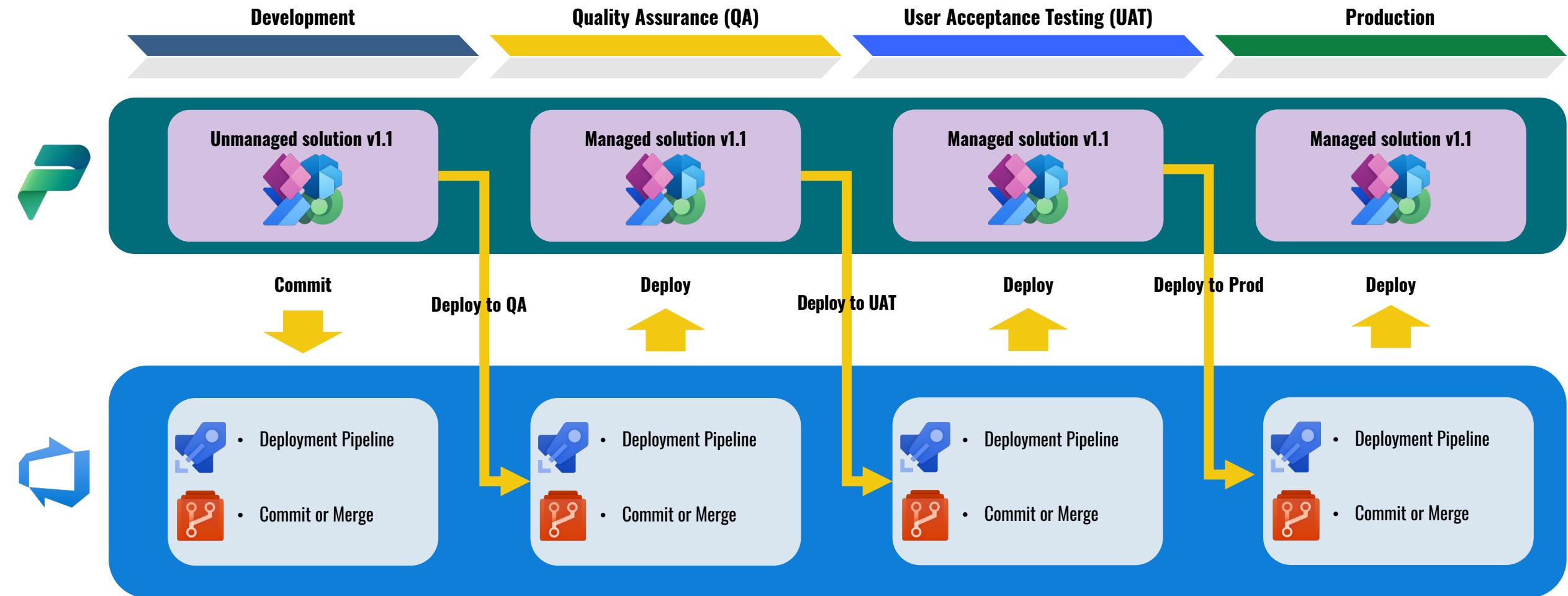
Testing



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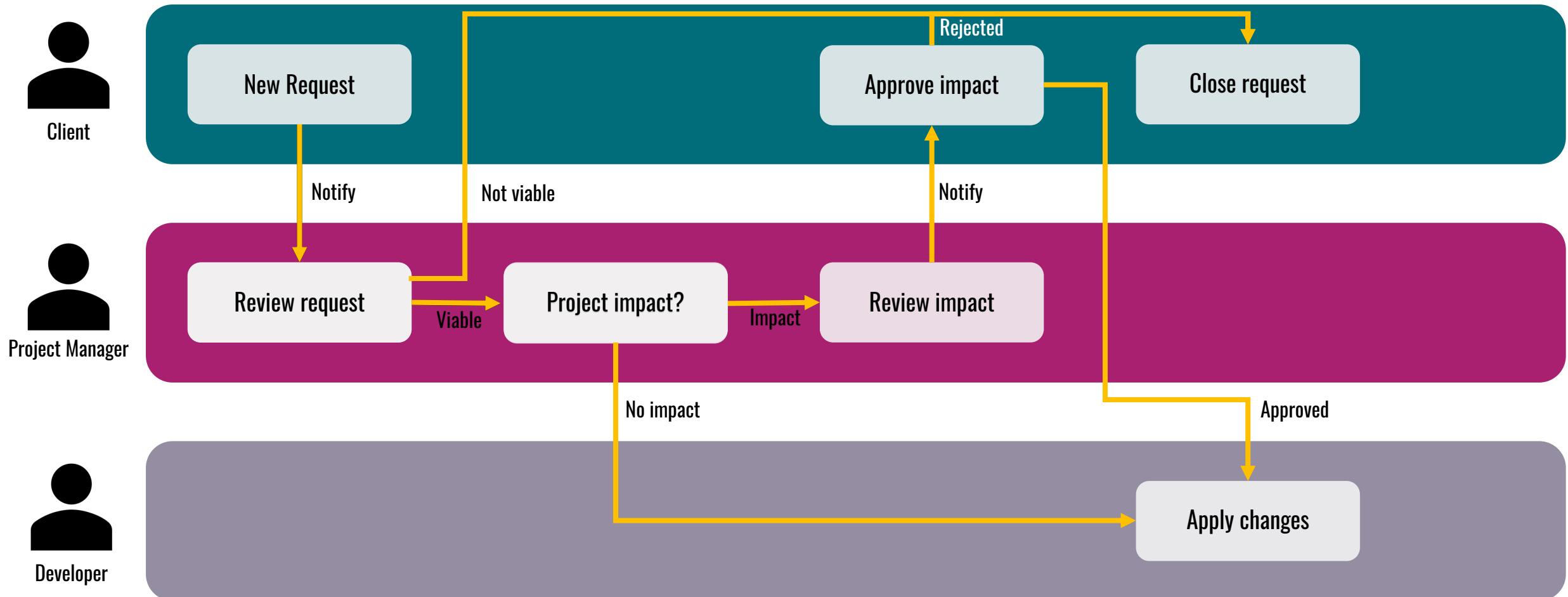
Release and Version Control



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Change Requests



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Link request to user story



Create new branch

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Applying Changes

Update

- Applies updates
- No new layer
- Cannot delete components

Patch

- Change piece only
- Can't delete components

Upgrade

- New layer
- Deletes patch layers
- Can delete components

Segment

- New Solution
- Segmented components



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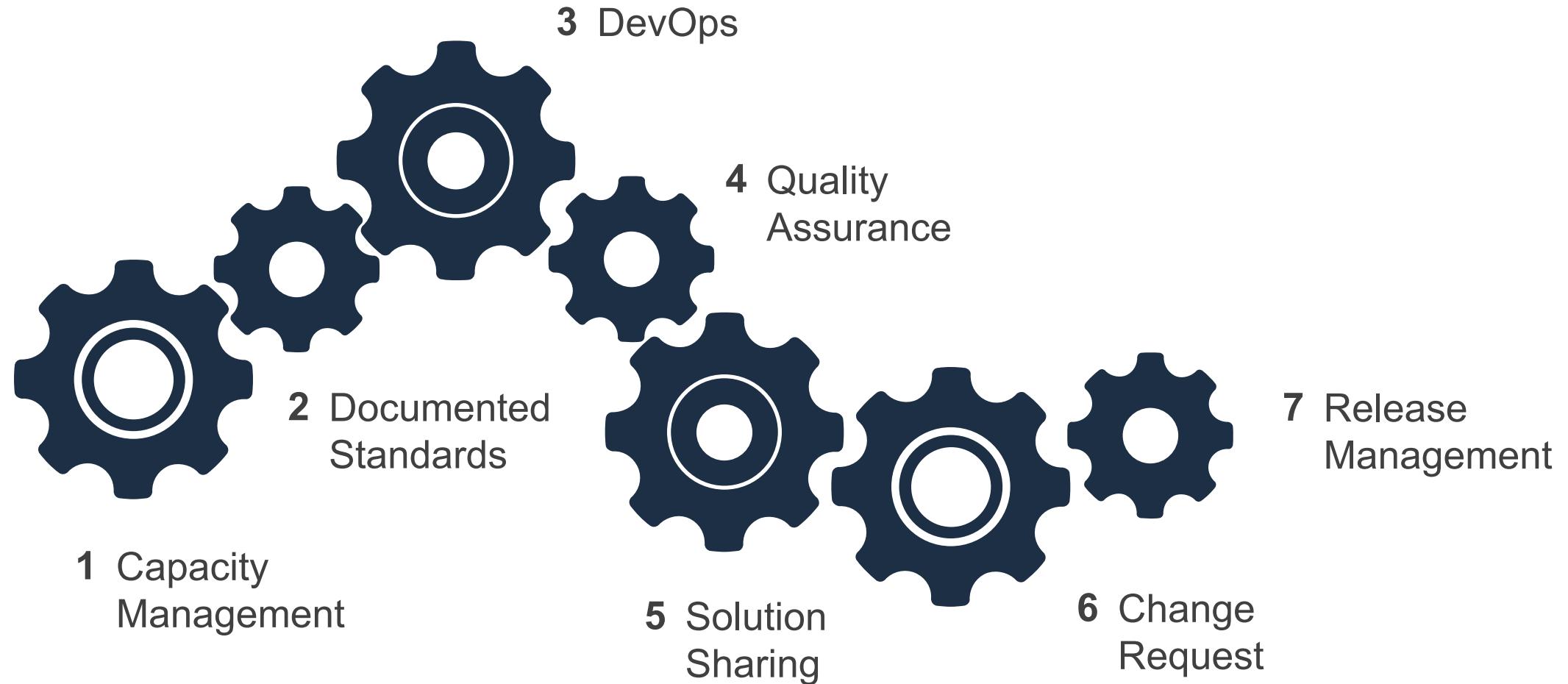
GETTING STARTED



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Aligning ALM Governance



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Existing Tools

- CoE Starter Kit
- Matthew Devaney's Development Standards Document
- Azure DevOps!!!
- Power Apps Code Reviewer by Rajeev Pentyala
- Quality Assurance Assessment Solution by me 😊
- Power Platform Pipelines / ALM Accelerator by PowerCat



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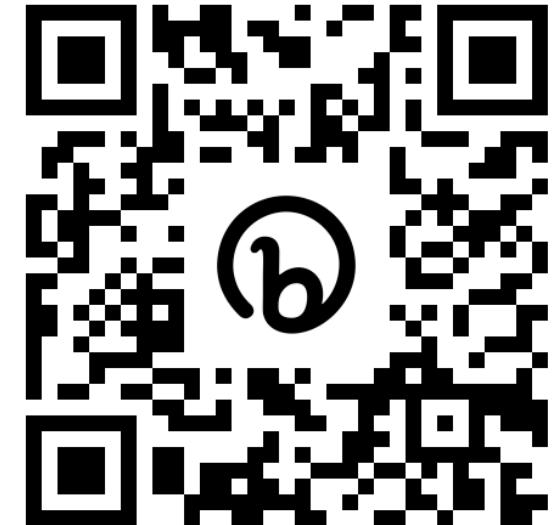
Links



Matthew Devaney's
Development Standards
Document



Power Apps Code
Reviewer by Rajeev
Pentyala



Quality Assurance
Assessment Solution by
me 😊



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Any Questions?



Nati Turtledove

Check out my profile



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