



Nati Turtledove



Aligning QA with Power Platform Pipelines



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THE PLAN

The start, middle and end



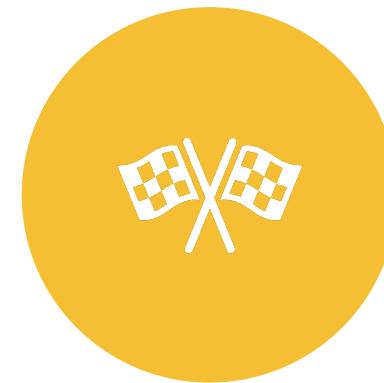
Quality Assurance

What is QA



Power Platform Pipelines

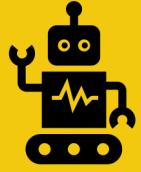
The details



The Demo

What else needs to be said...

What is Quality Assurance (QA)



Quality Assurance (QA) is the process of ensuring that a software product meets its specified requirements and quality standards through planning, designing, executing, and reporting tests to detect and prevent defects or errors in the software.

-ChatGPT





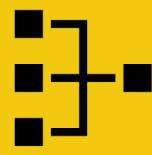
**Requirements &
Standards**



**Code Review &
Testing Prep**



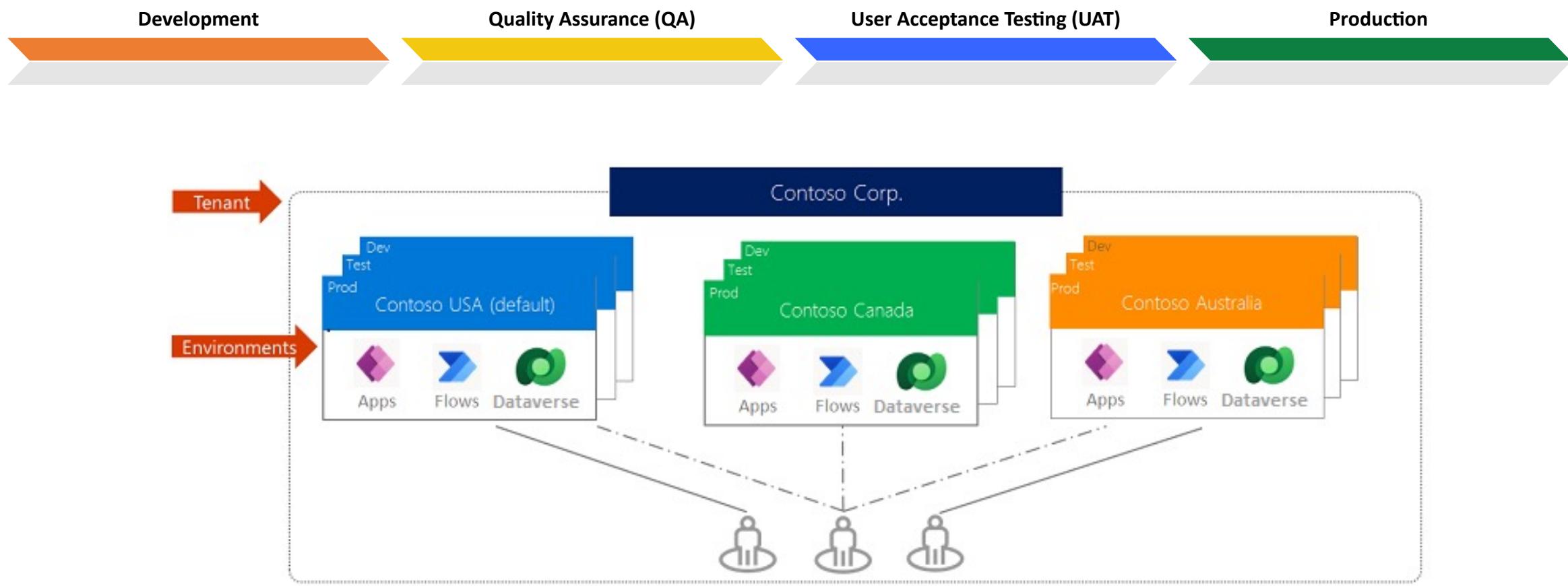
**Performance,
Usability & Security**

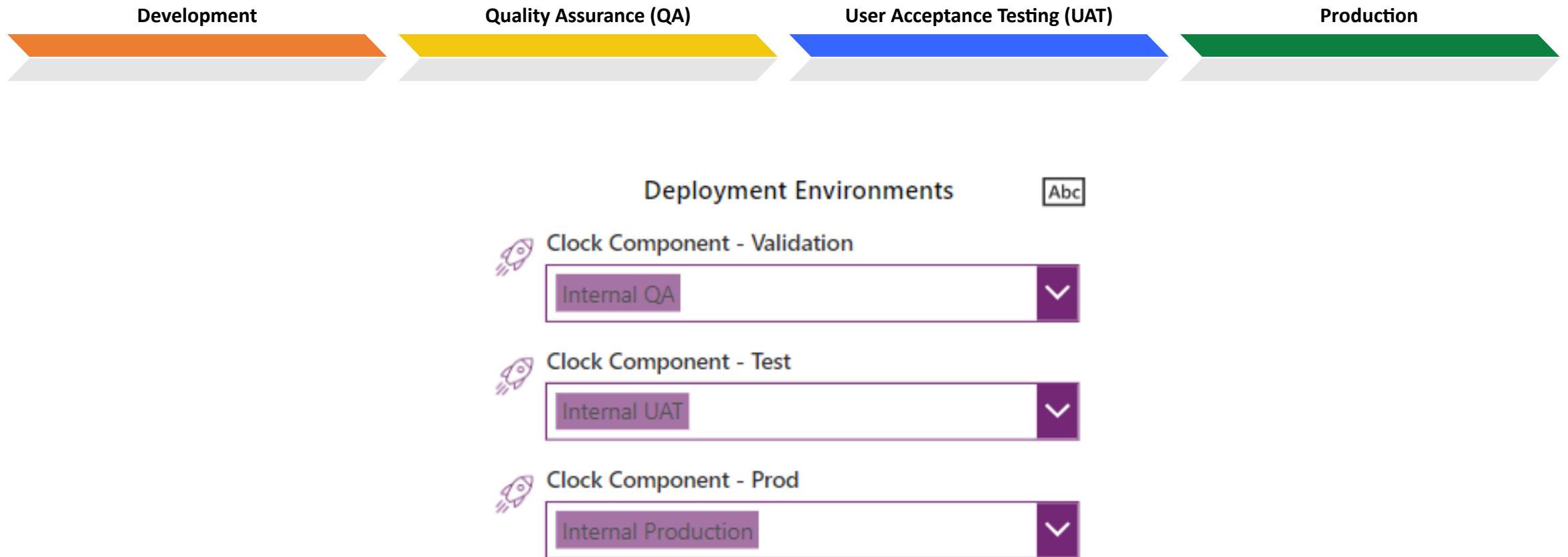


**Standards &
Procedures**

When & Where



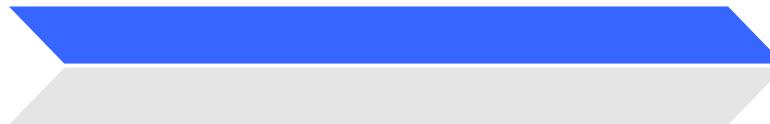




Quality Assurance (QA)



User Acceptance Testing (UAT)



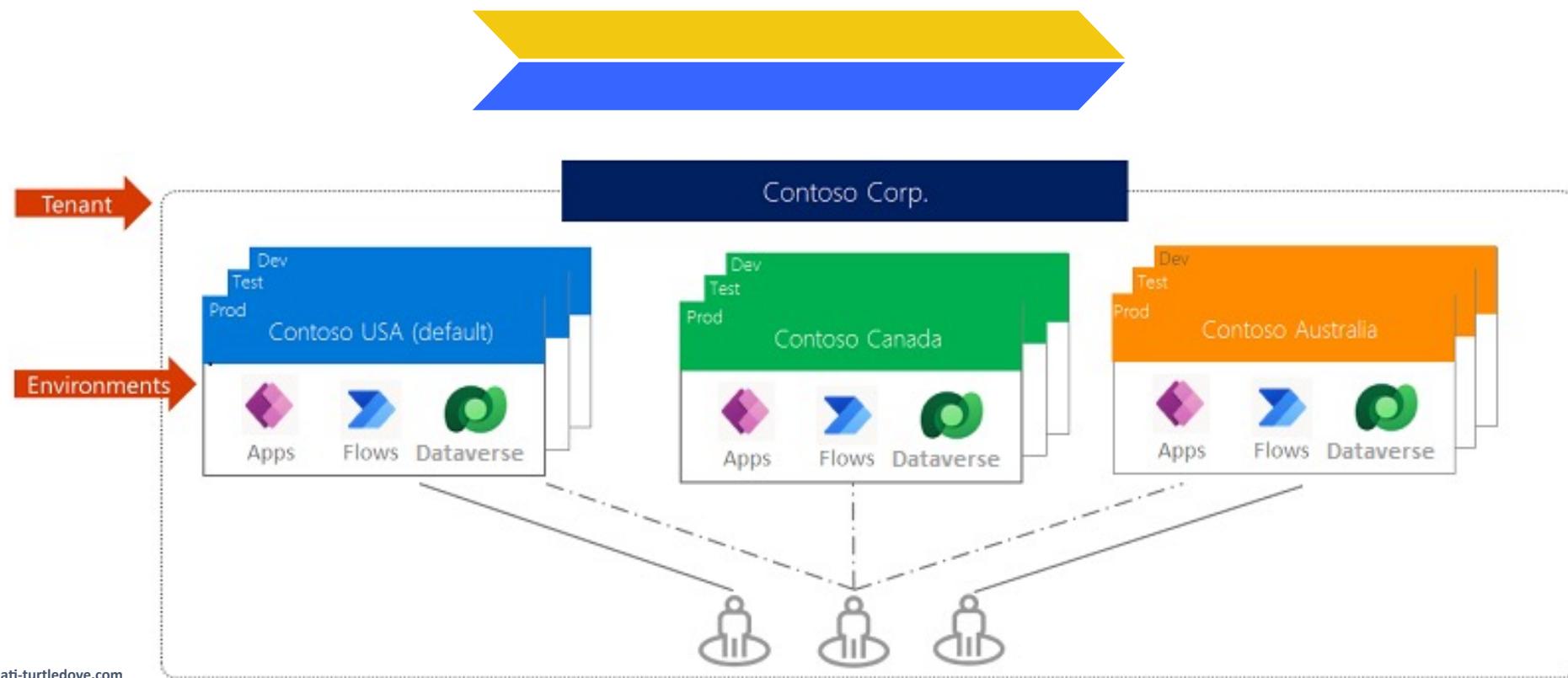
User Acceptance Testing (UAT)



Quality Assurance (QA)



QA/UAT





Test

QA



- Performed by QA team or peers (peer reviews are more subjective)
- Meets specified requirements
- Meets quality standards
- Prevent/Detect defects or errors
- Internal testing (functional, design, security & integration)
- Objective approach





- • Performed by end-user/product owner
- • Usually after QA
- • Can be done through automation and Test Plans
- • Vetted against user stories
- • Meets technical requirements
- • Formal approach

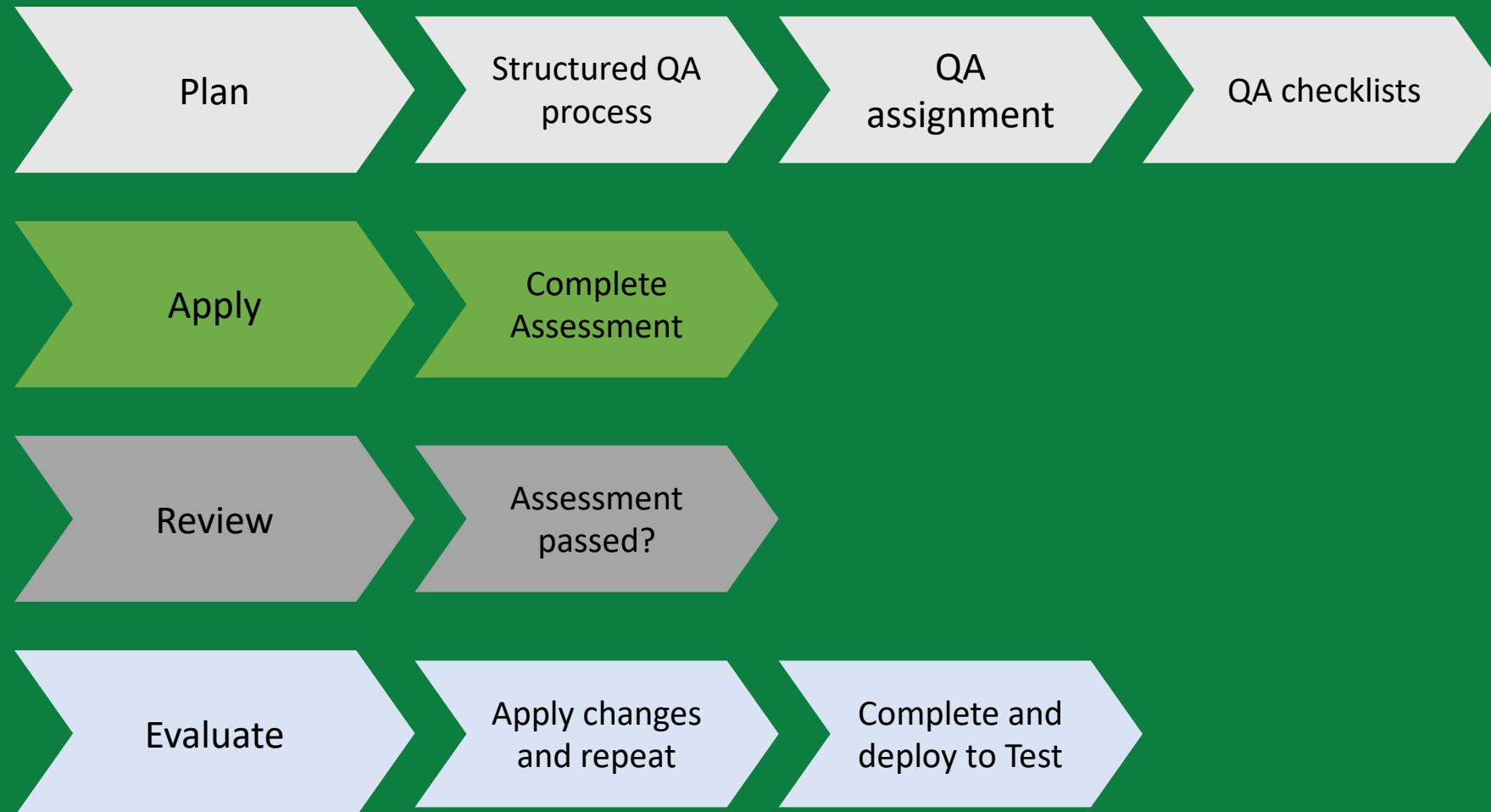
Peer Review

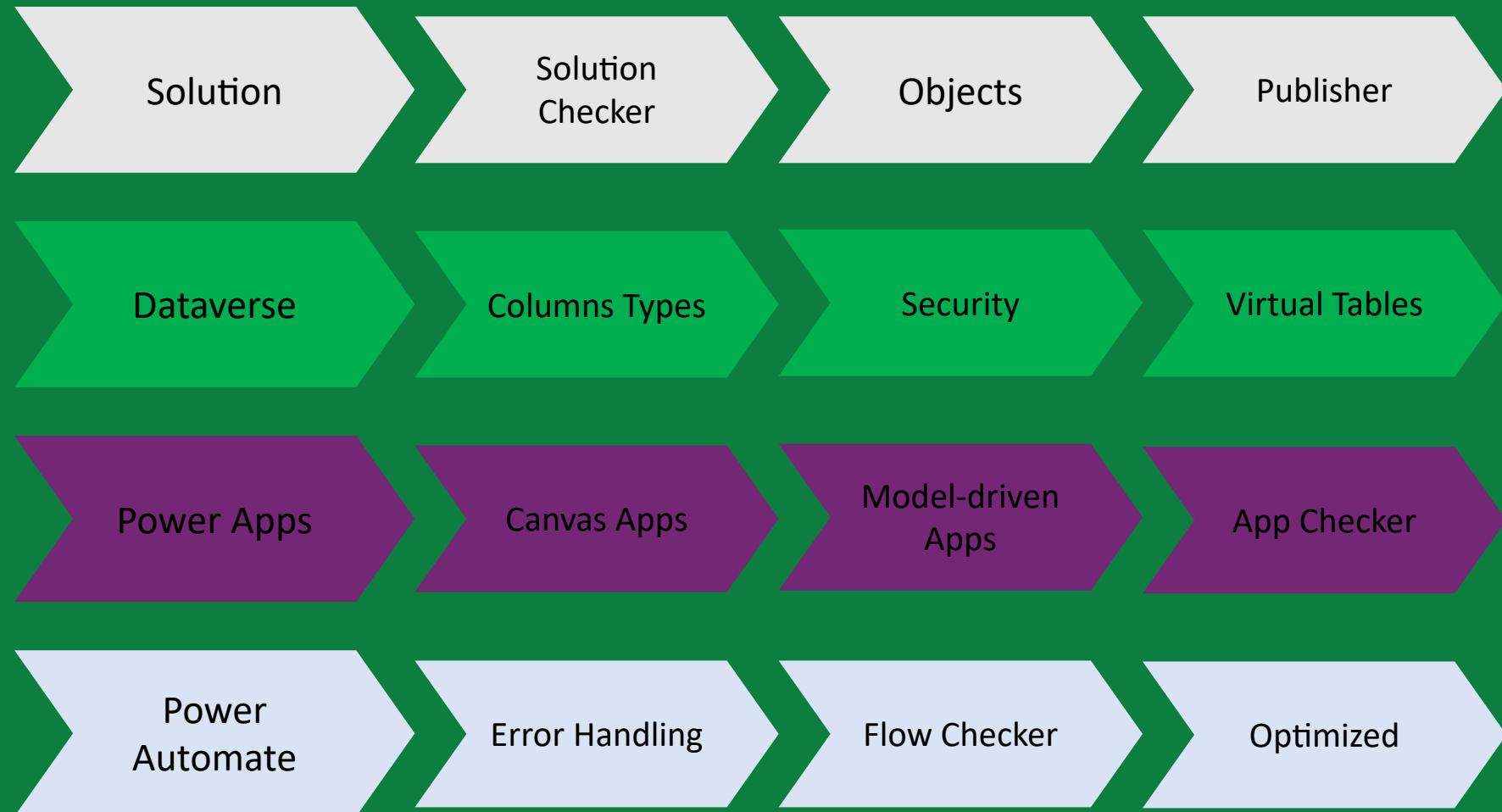


- **Performed by peers**
- **Usually before QA**
- **Quick checks/advice**
- **Feedback**

Building Quality Assurance





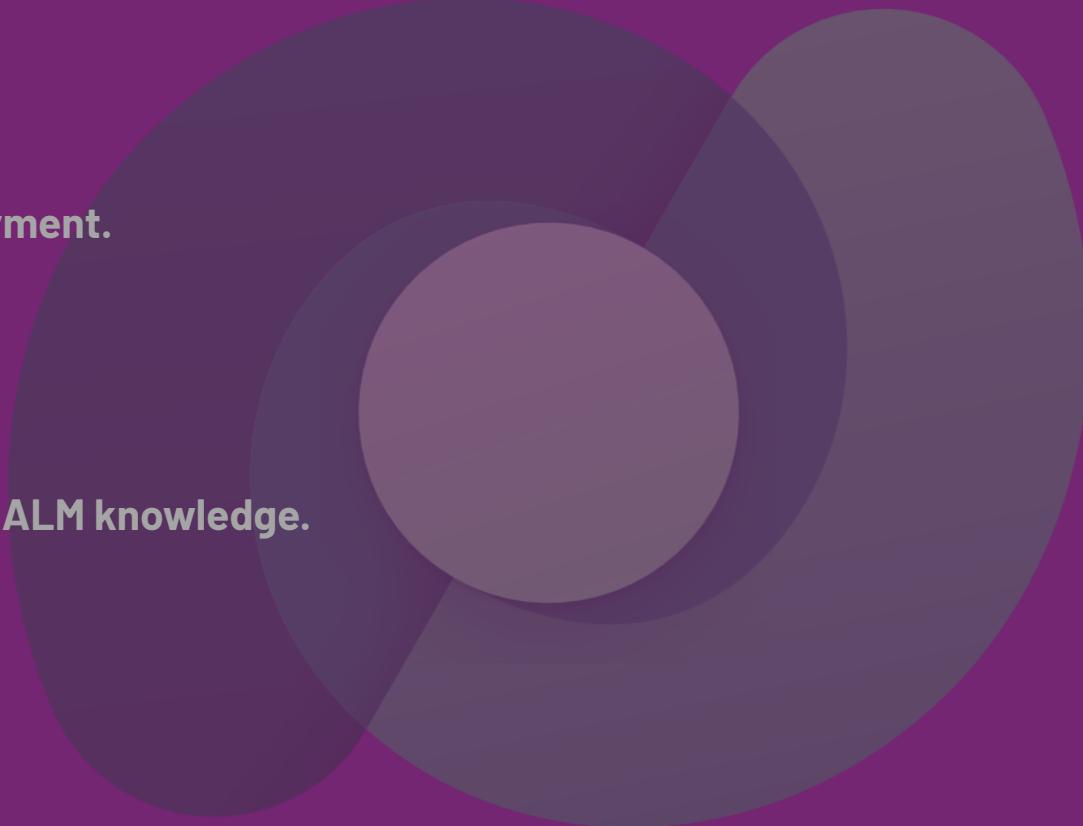


Power Platform Pipelines

Power Platform Pipelines



- ALM tool 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
- Built in Dataverse



Power Platform Pipelines



Deployment Artifacts Table



Deployment Environment Table



Deployment Pipelines Table



Deployment Stage Table

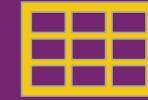


Deployment Stage Run Table

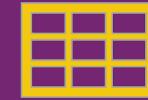


Deployment Stage Run Suboperations Table

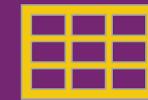
ALM Accelerator



Deployment Environment Table



Deployment Profile Table



Deployment Request Table



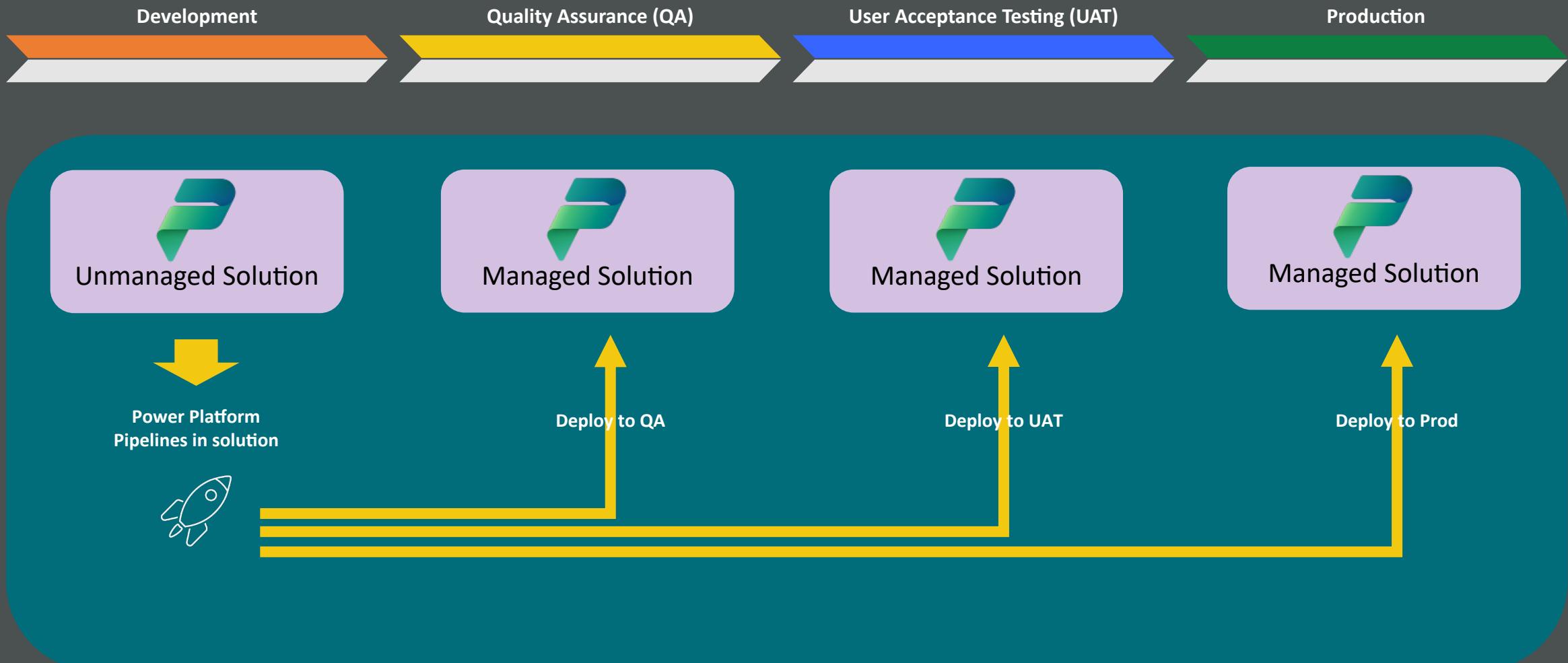
Deployment Step Table

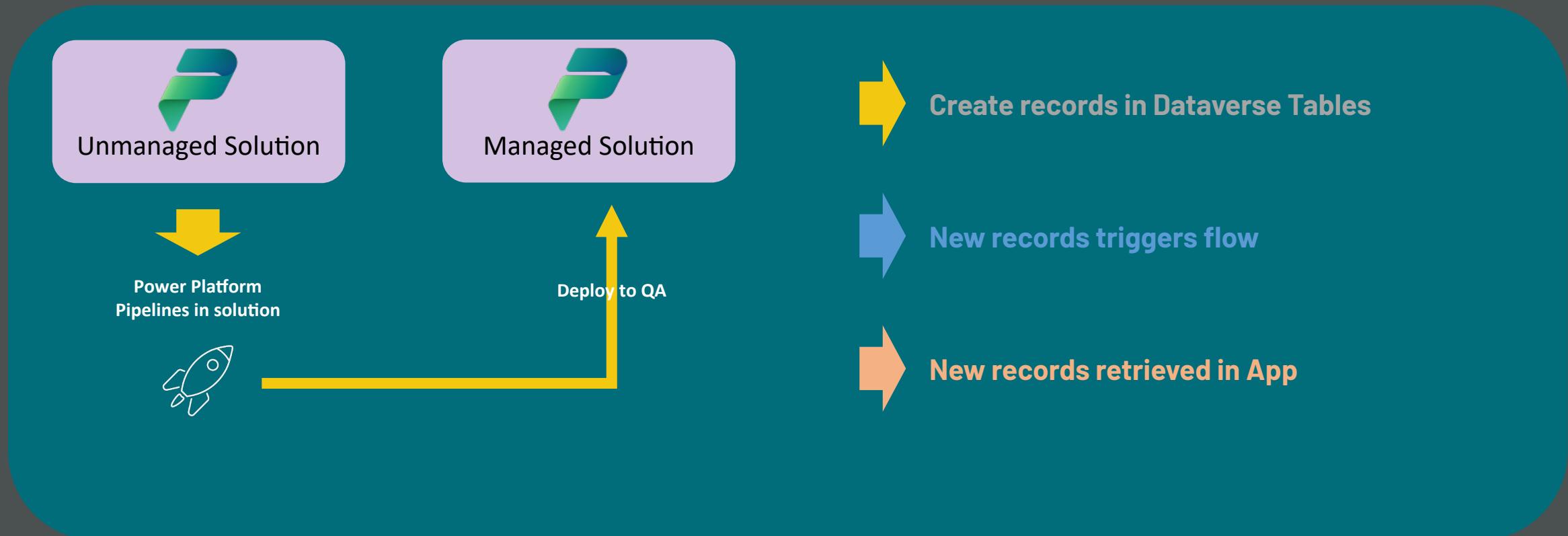


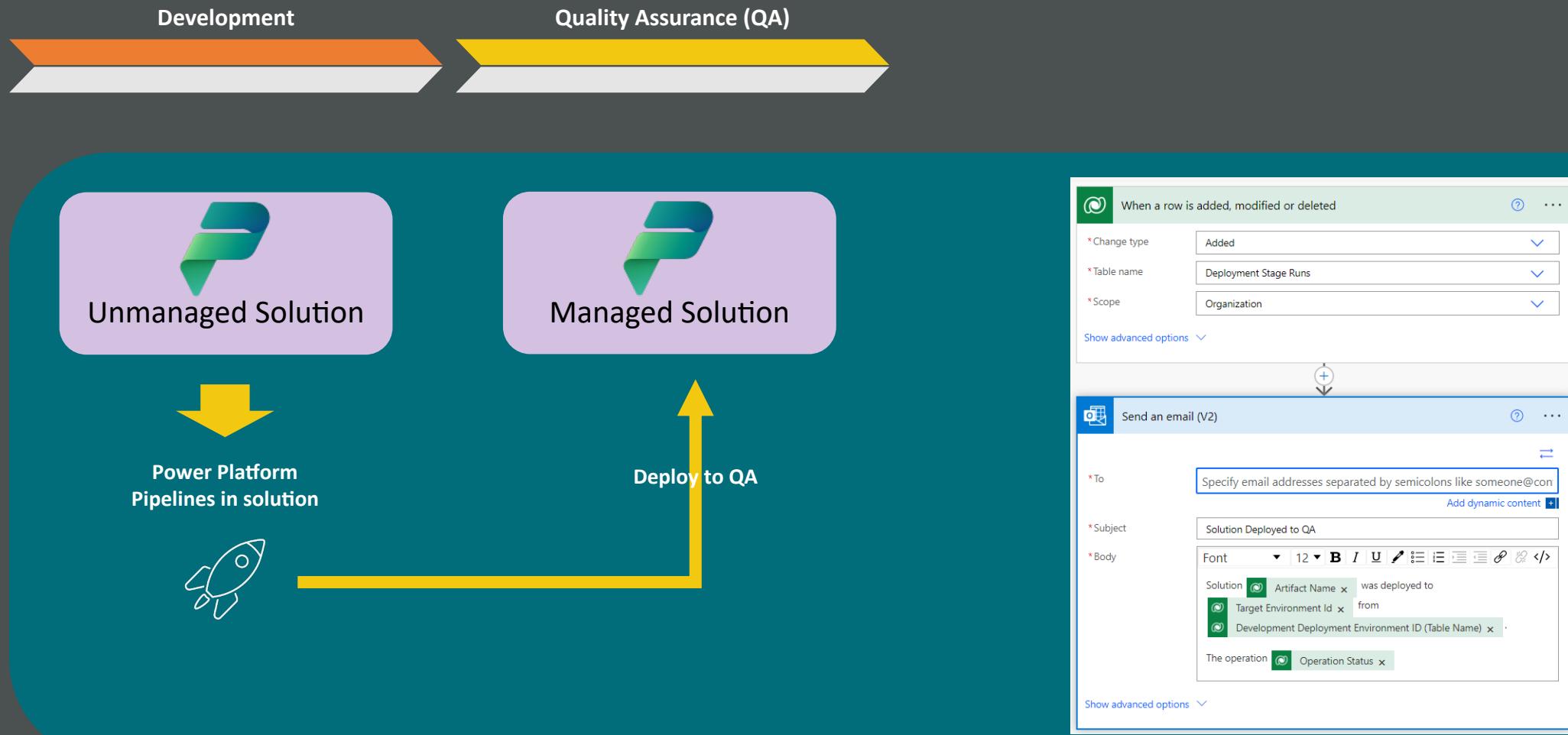
Deployment User Setting Table



Release History Table







What's New?





Scheduled Deployments



Before & After Executions



Approvals



Can associated with DevOps projects

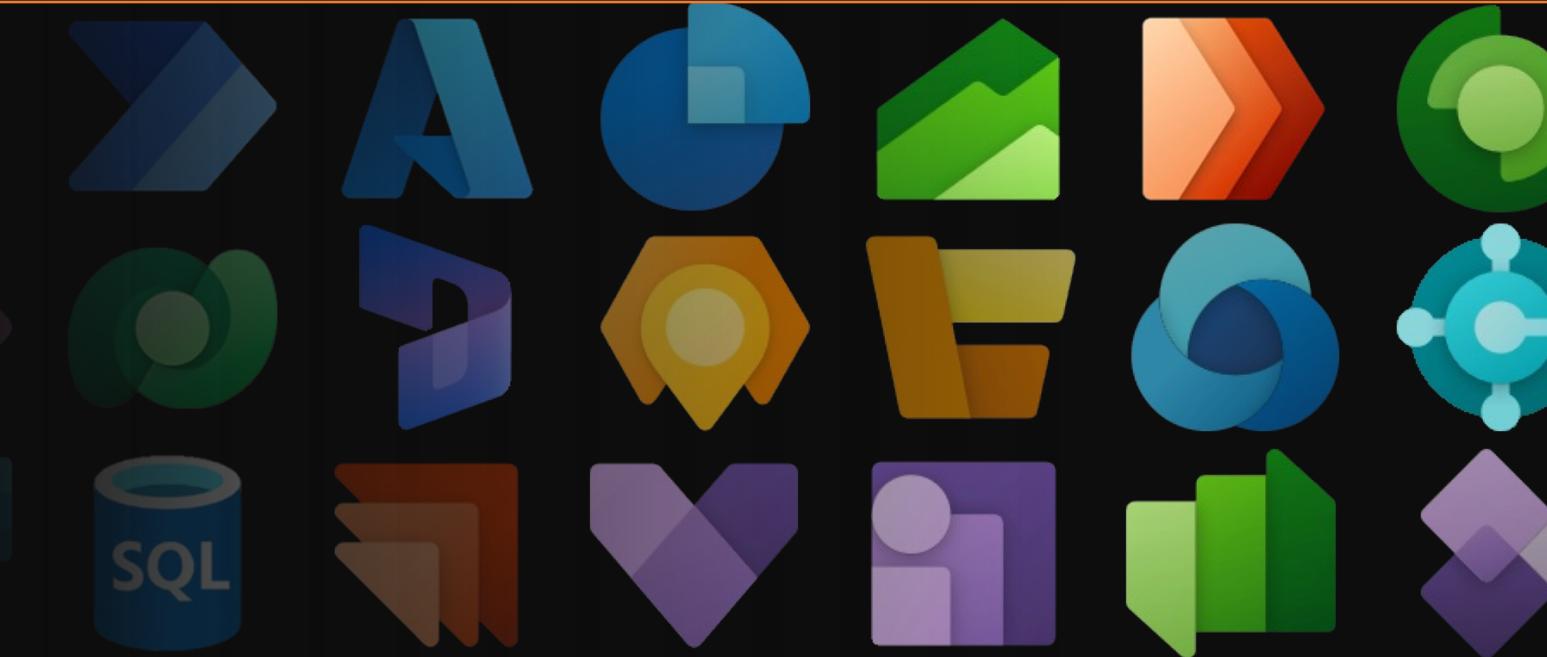


Greater scalability

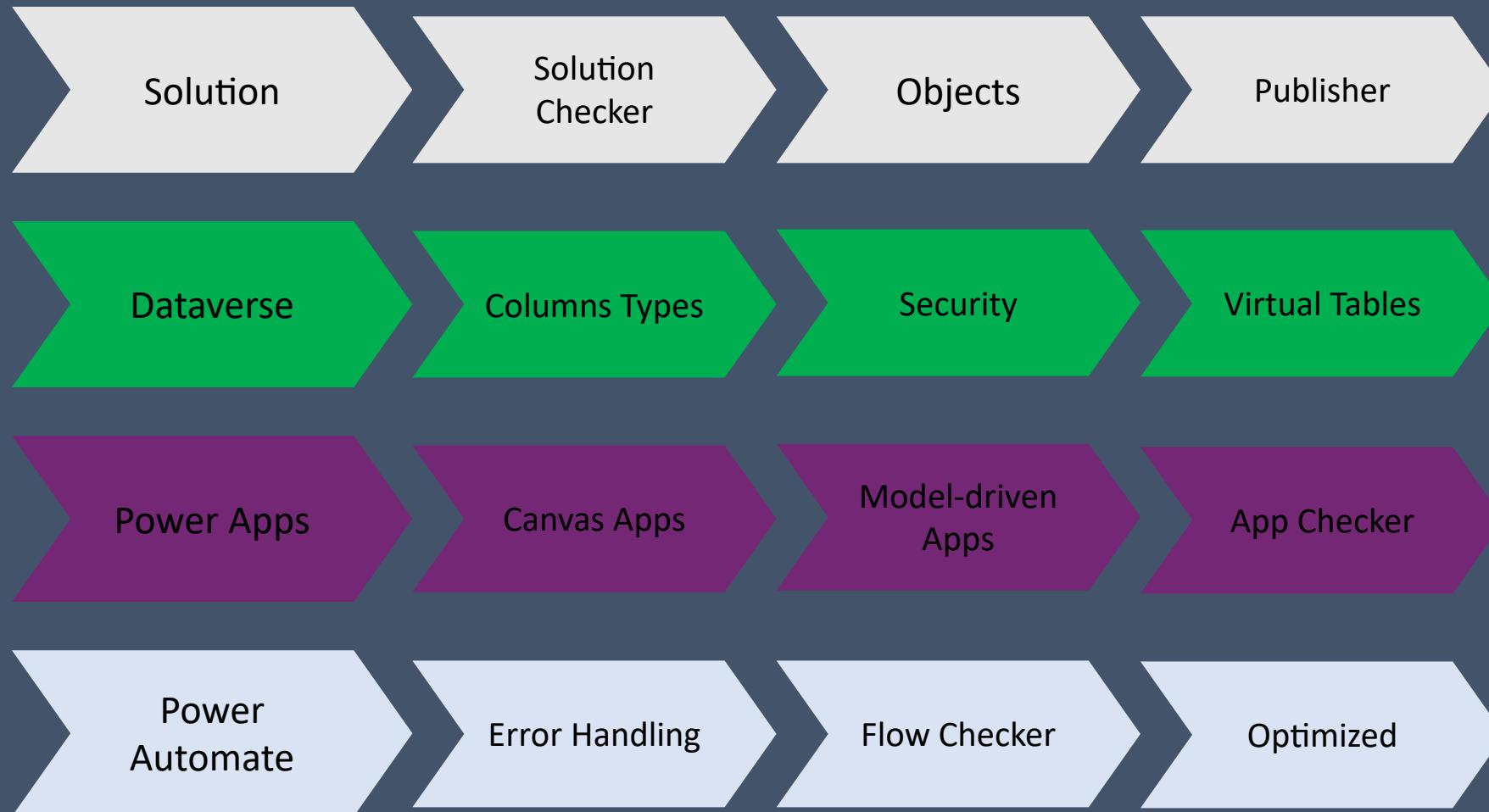


Custom front-end deployment manager for all solutions

Yay, a demo 



Building a Quality Assurance



The Build



QA Assessment Choices Table



QA Assessment Items Table



QA Assessment Details Table



QA Assessments Table



Deployment Environment Table



Deployment Stage Table



Deployment Stage Run Table

QA Items

What's To Come

- Multiple QA Environments
- Assessment Notifications
- Additional Security
- ALM Accelerator Version
- Assessment Approvals
- Deployment Automation (with PPP extensibility)



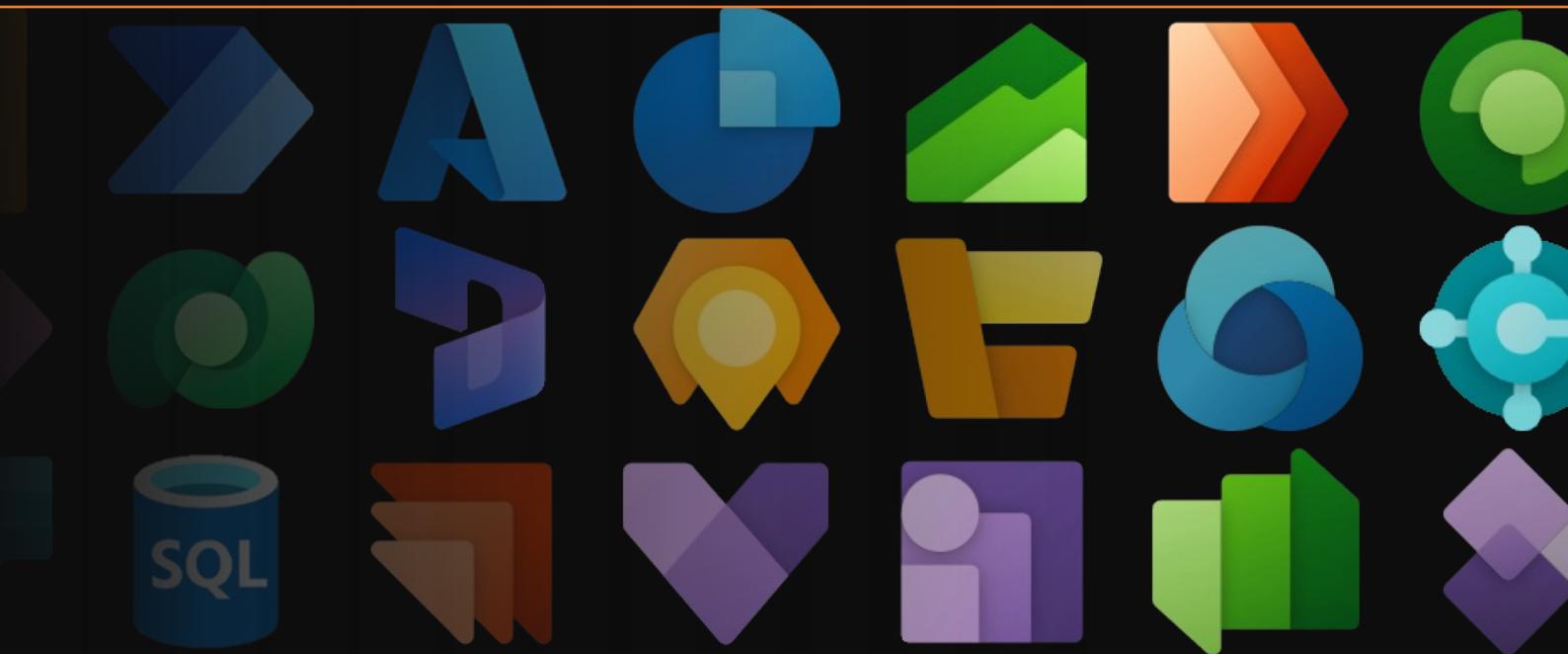
Code Review Tool



- Customizable checklist
- View on App Checker results
- Free search code reviewer
- Dataverse solutions or msapp upload
- Solution results



QNA





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Solution Download



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