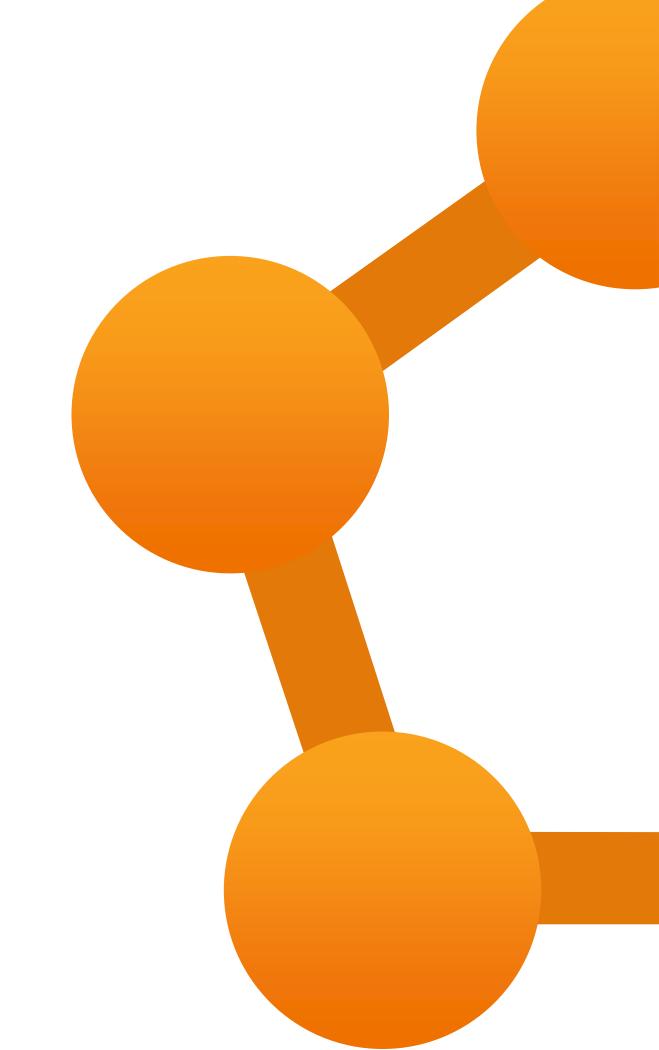


Proudly presents...

# Integration Pipelines

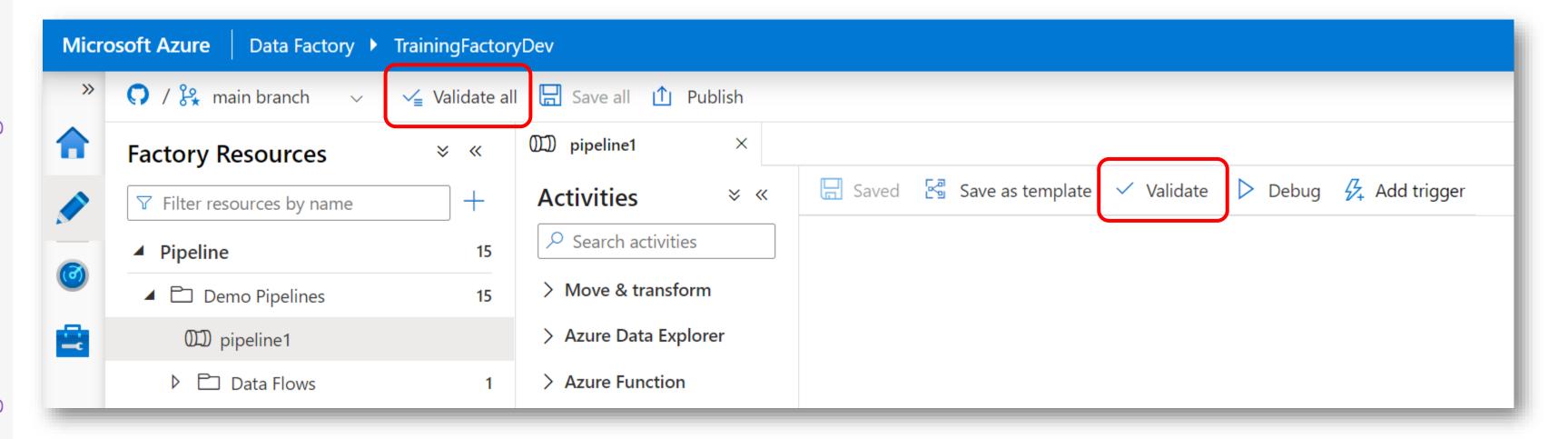
Module 10 – Testing

Development Time Validation



### Development Time Validation

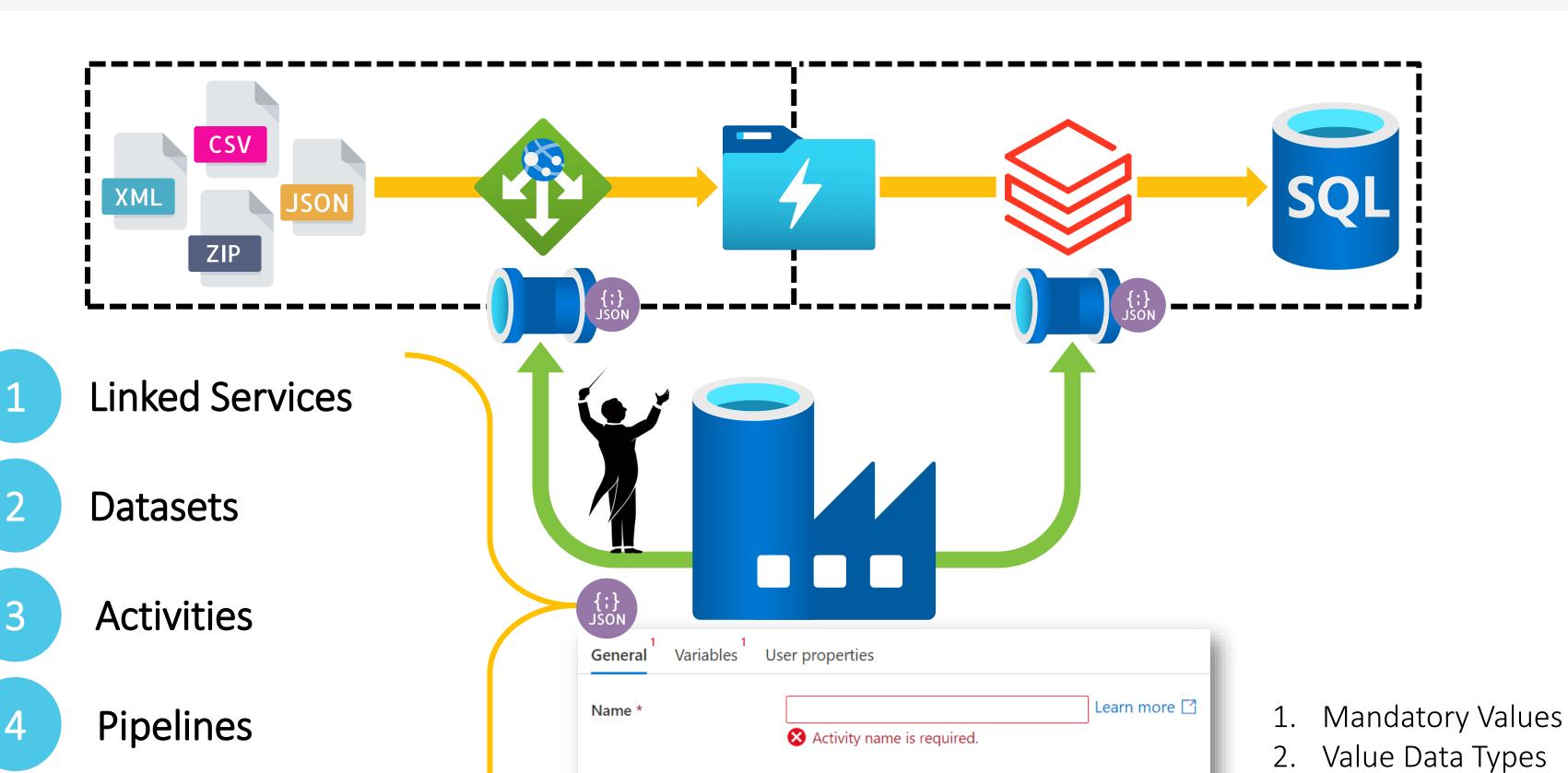




Triggers

### Integration Pipeline Validation





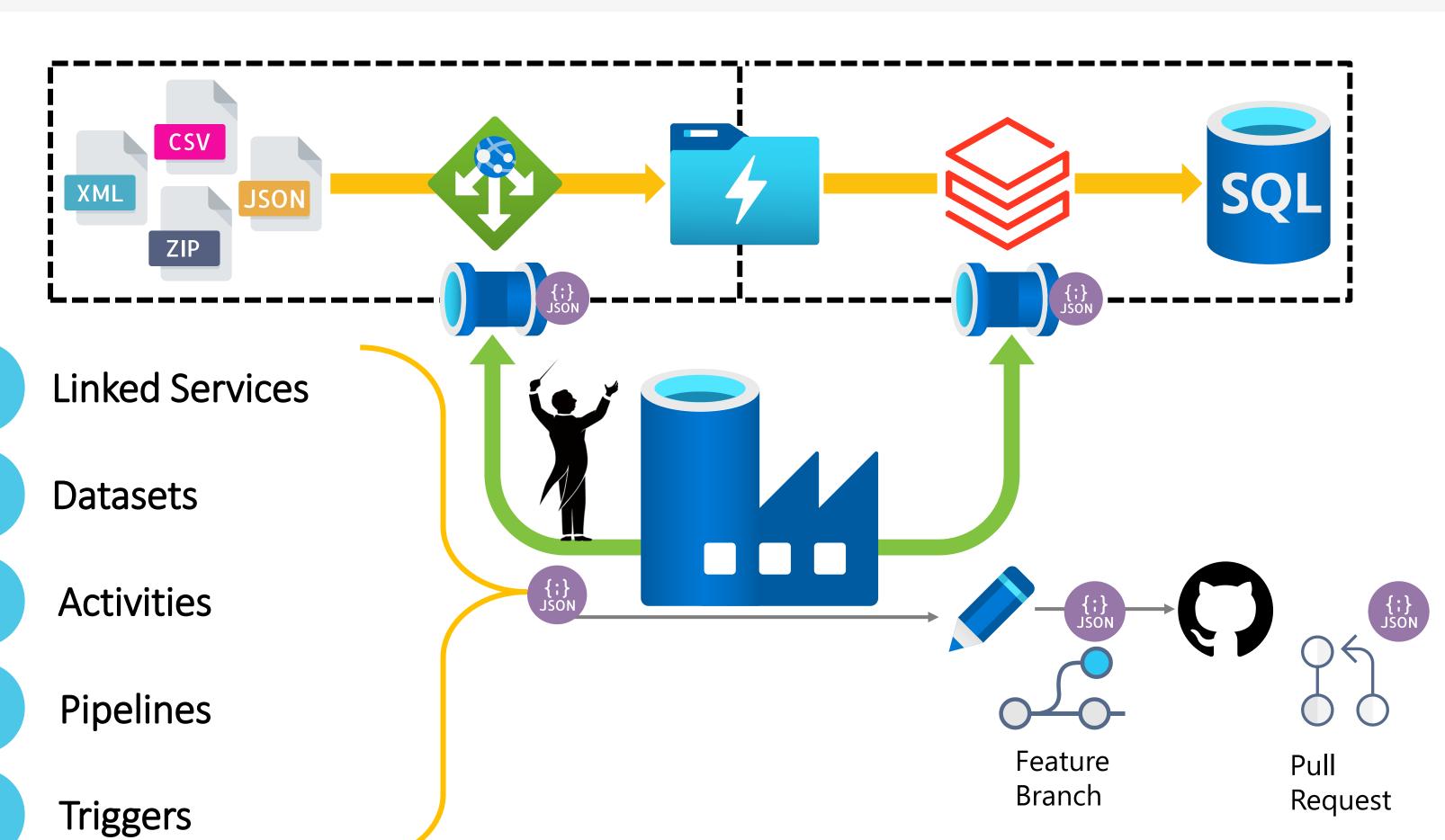
Description

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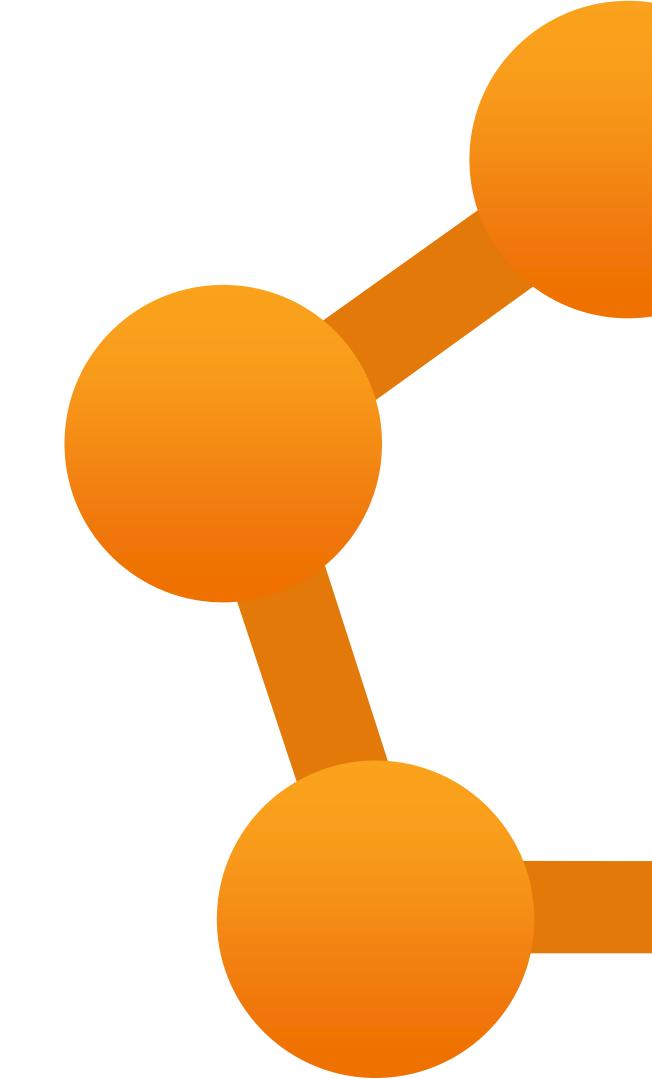
Value Context

### Integration Pipeline Validation





Module 10 – Testing
Test Coverage



### Types of Testing



Integration Tests - A test of a pipeline as-is, without eliminating any effects of external dependencies.

© Functional Tests - An isolated test of whether the pipeline is doing things right — is the pipeline producing the desired result?

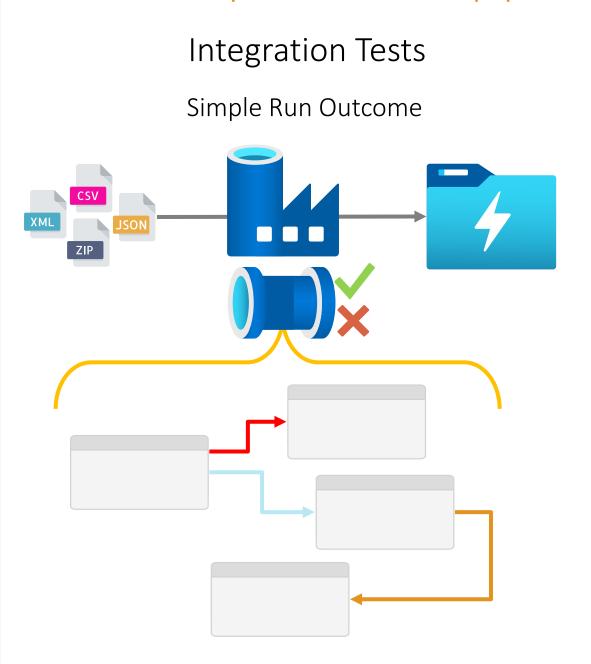
**Dunit Tests** - An isolated test of whether the pipeline is doing the right things — do the pipeline's activities get executed in the way you expect?

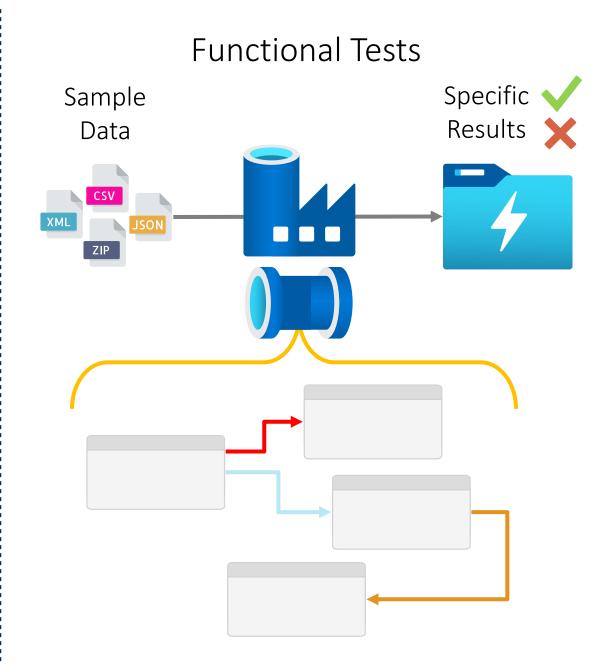
Source: Richard Swinbank <u>richardswinbank.net</u>

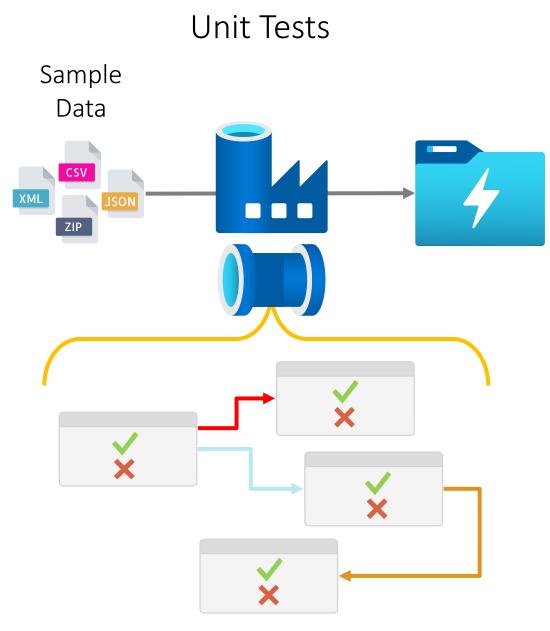
### Types of Testing



#### What do they mean in our pipelines?





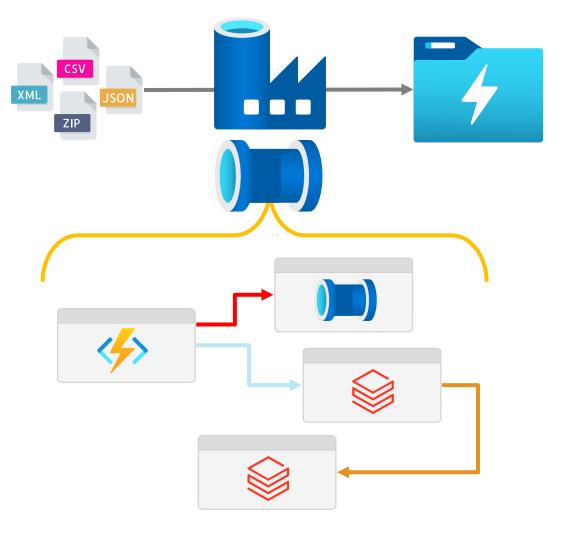


## Types of Testing

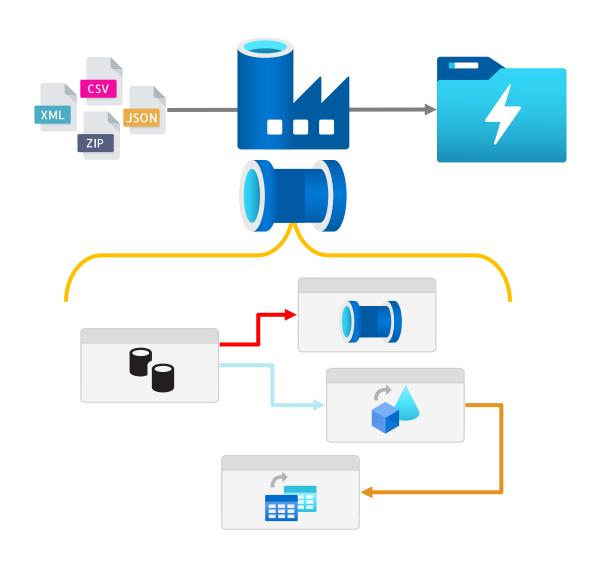


#### Does it depend on external resources?

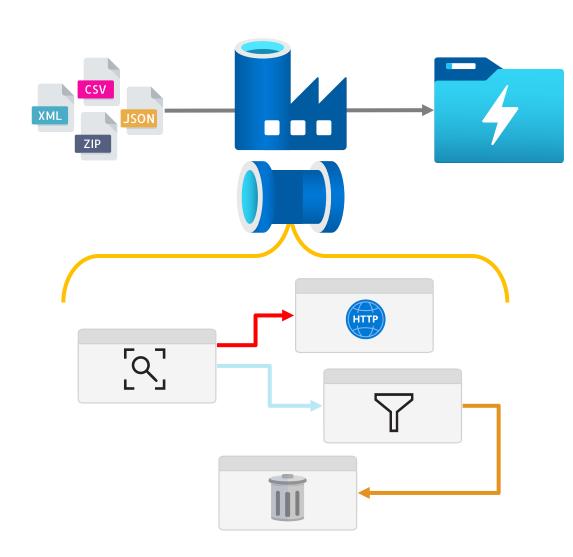
Integration Tests



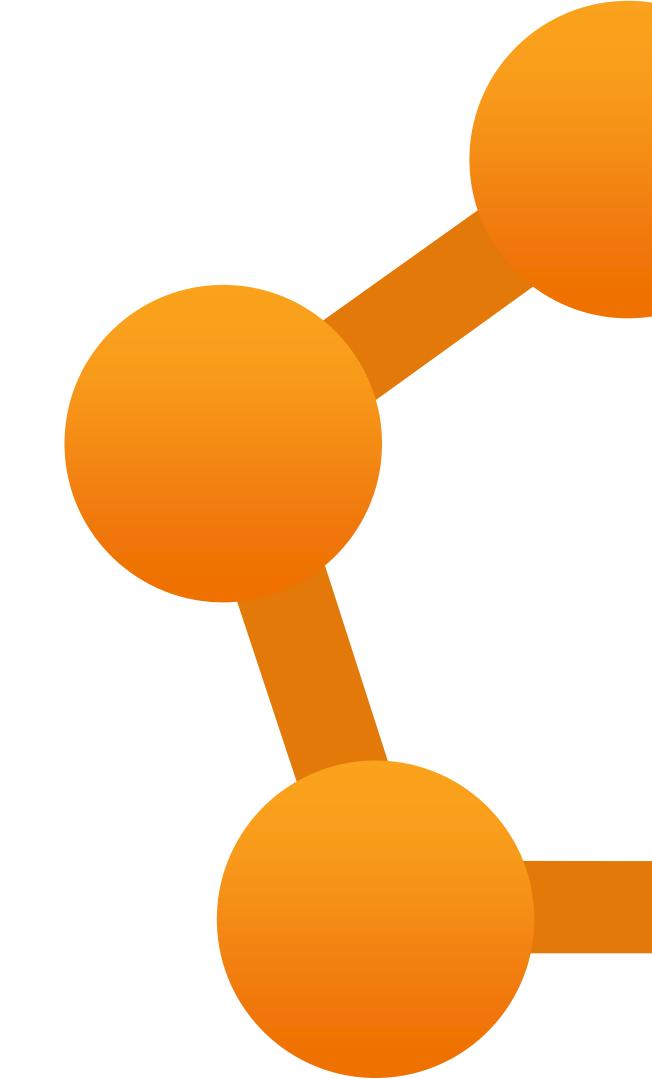
Functional Tests



**Unit Tests** 

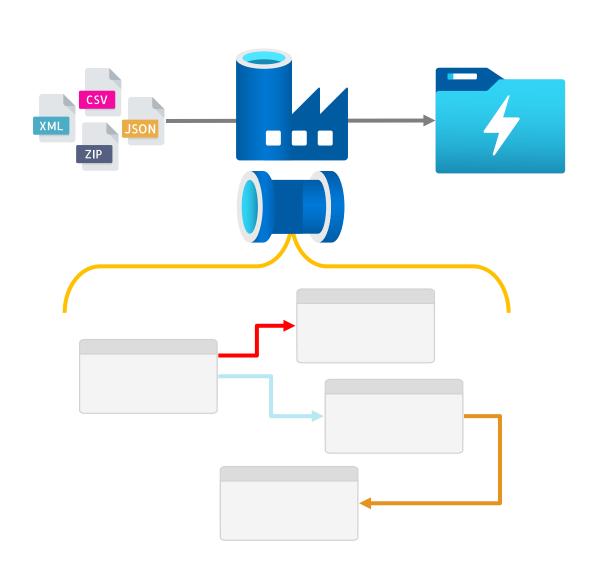


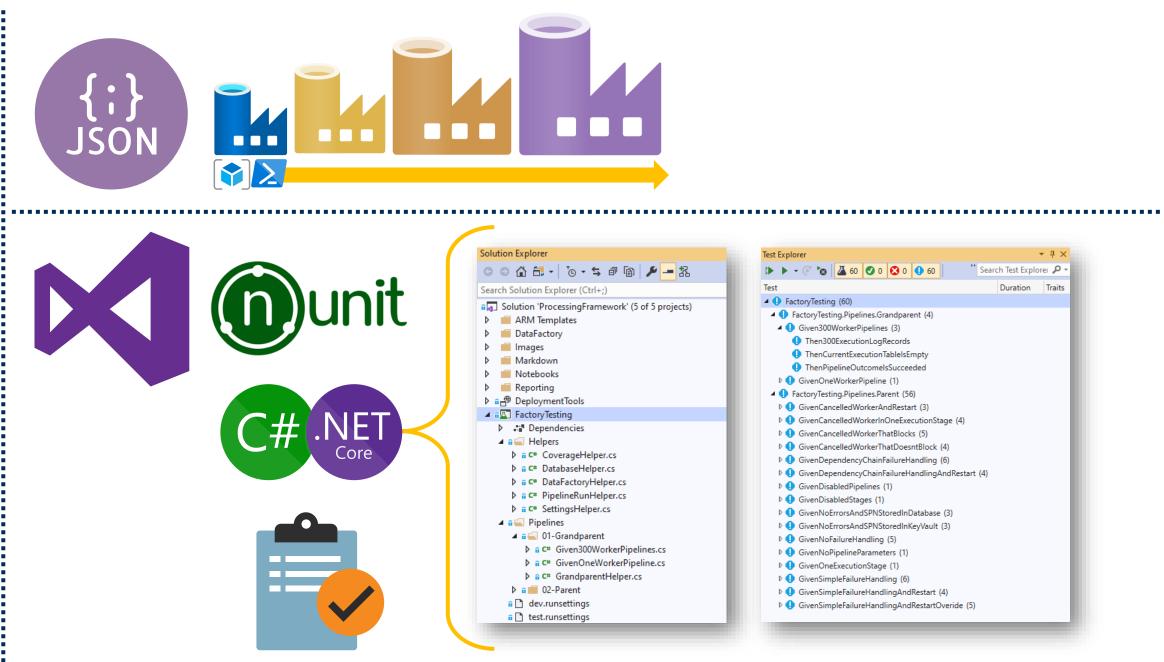
Module 10 – Testing
NUnit Tests



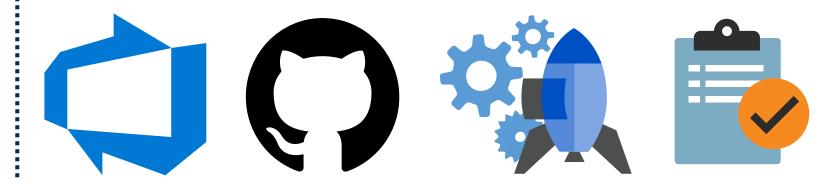
### How To Run & Automate Tests







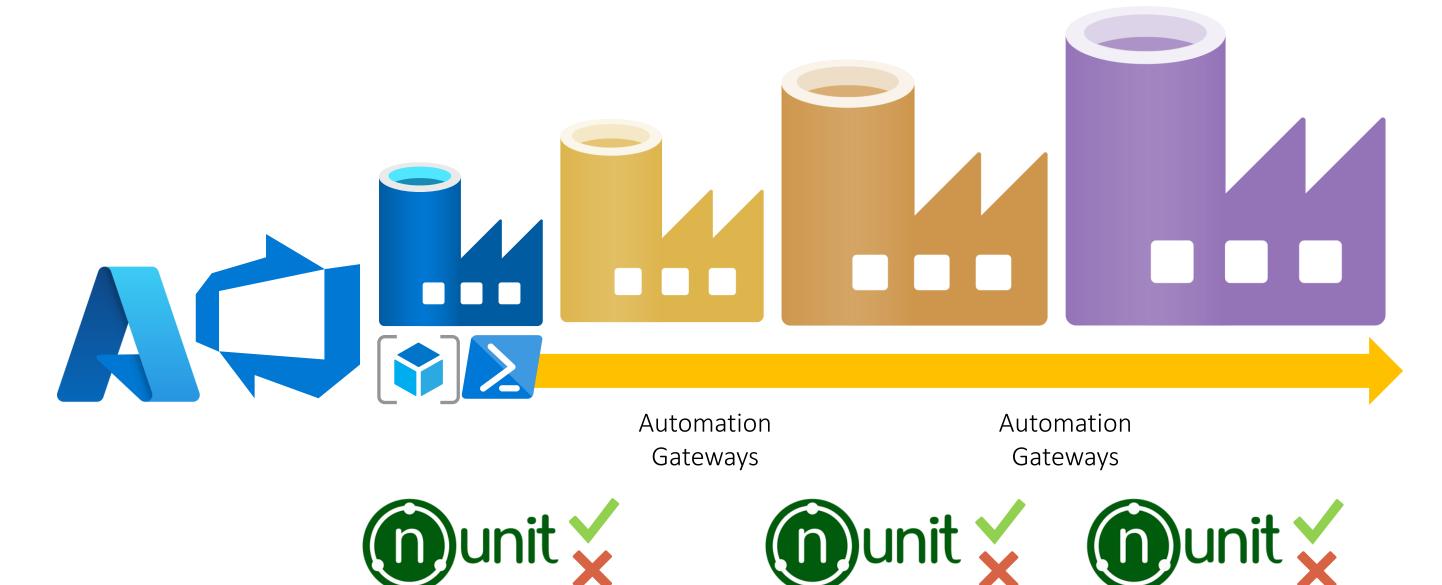
github.com/richardswinbank/community/tree/main/adf-testing-series



### Testing Code vs Actual Code



Data Factory – Chicken vs Egg



**ODS**hould automate this?

When should testing scripts run?

DDWhat if a test case fails?



