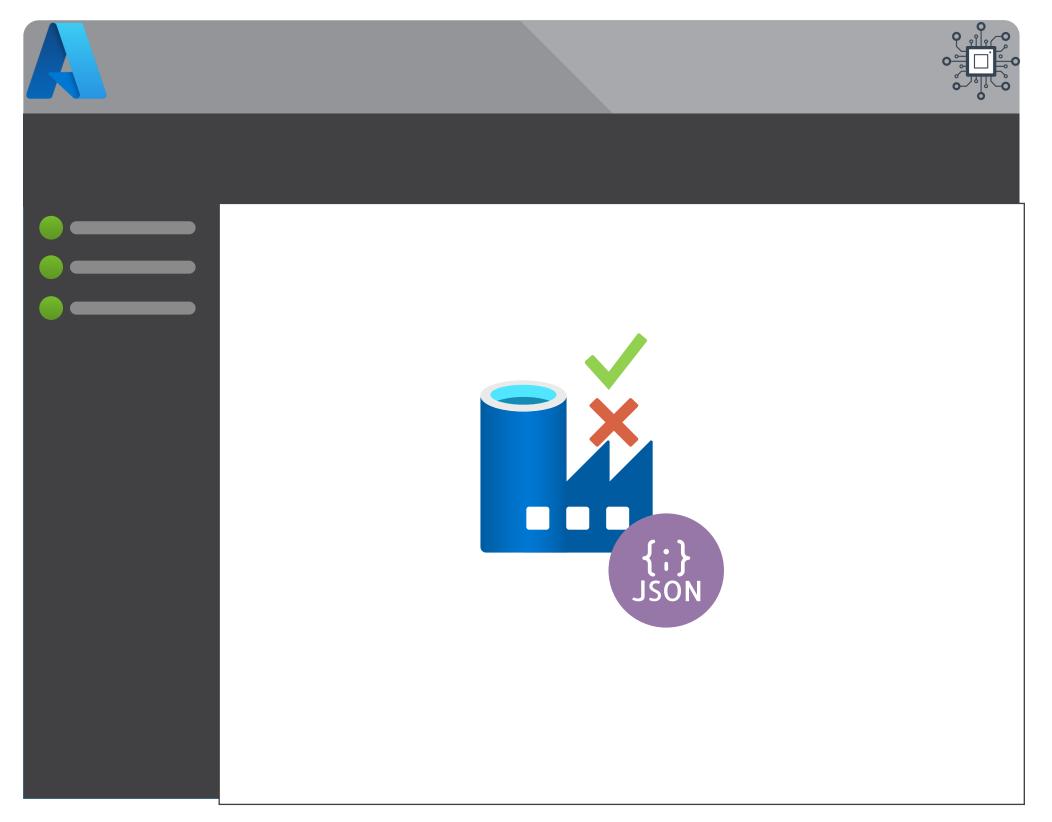


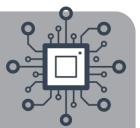
- Development Time Validation
- Test Coverage
- NUnit Tests

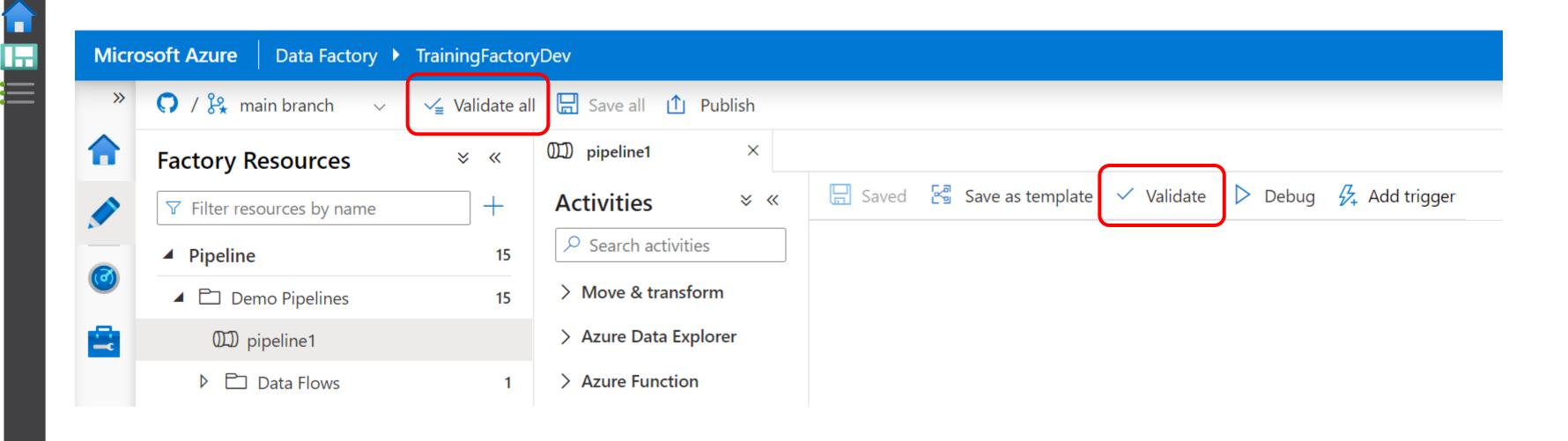


- Development Time Validation
- Test Coverage
- NUnit Tests



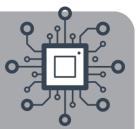
# Development Time Validation



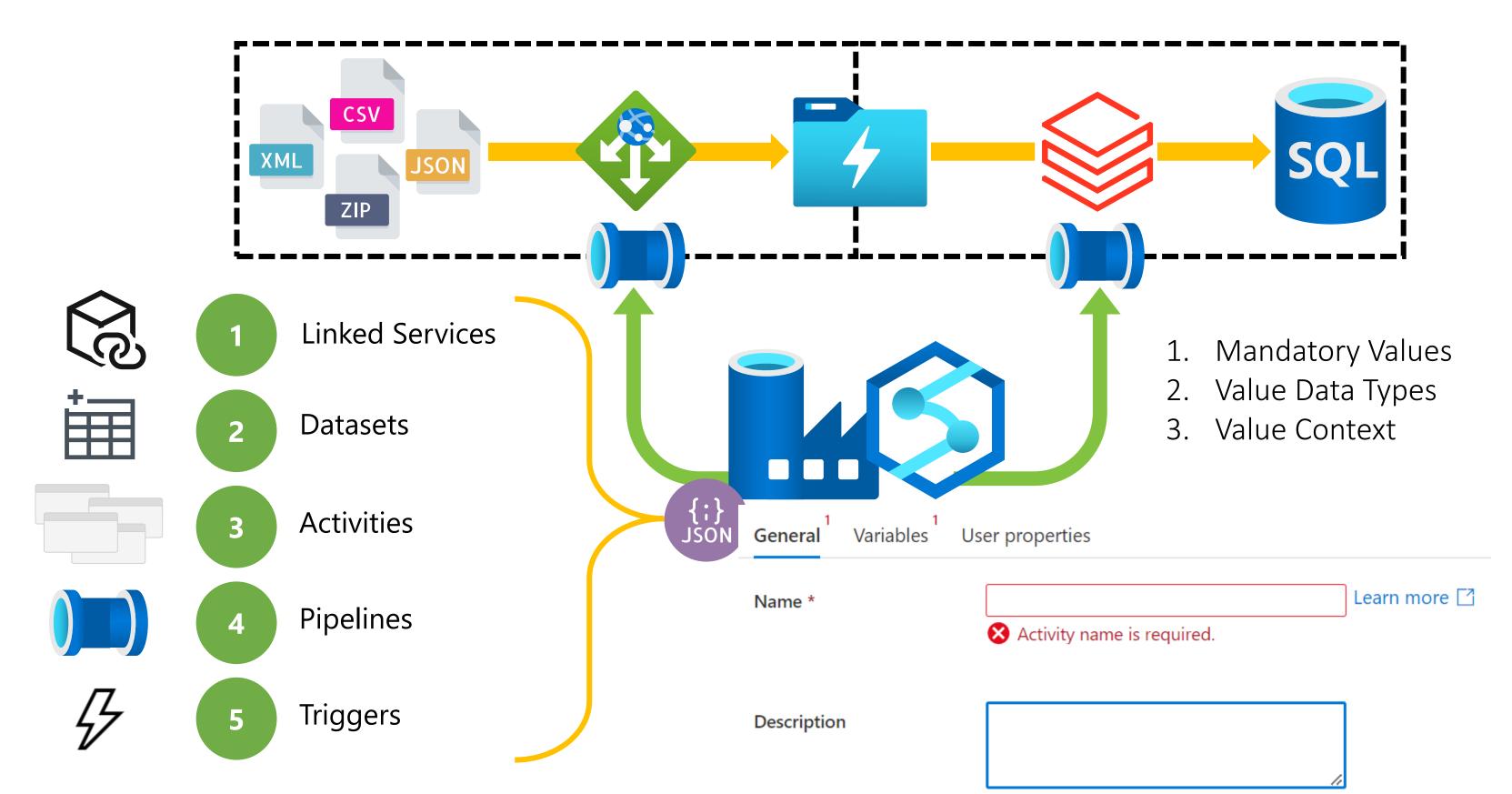




# Integration Pipelines Validation

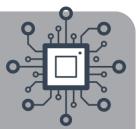


What is Data Factory actually checking for?

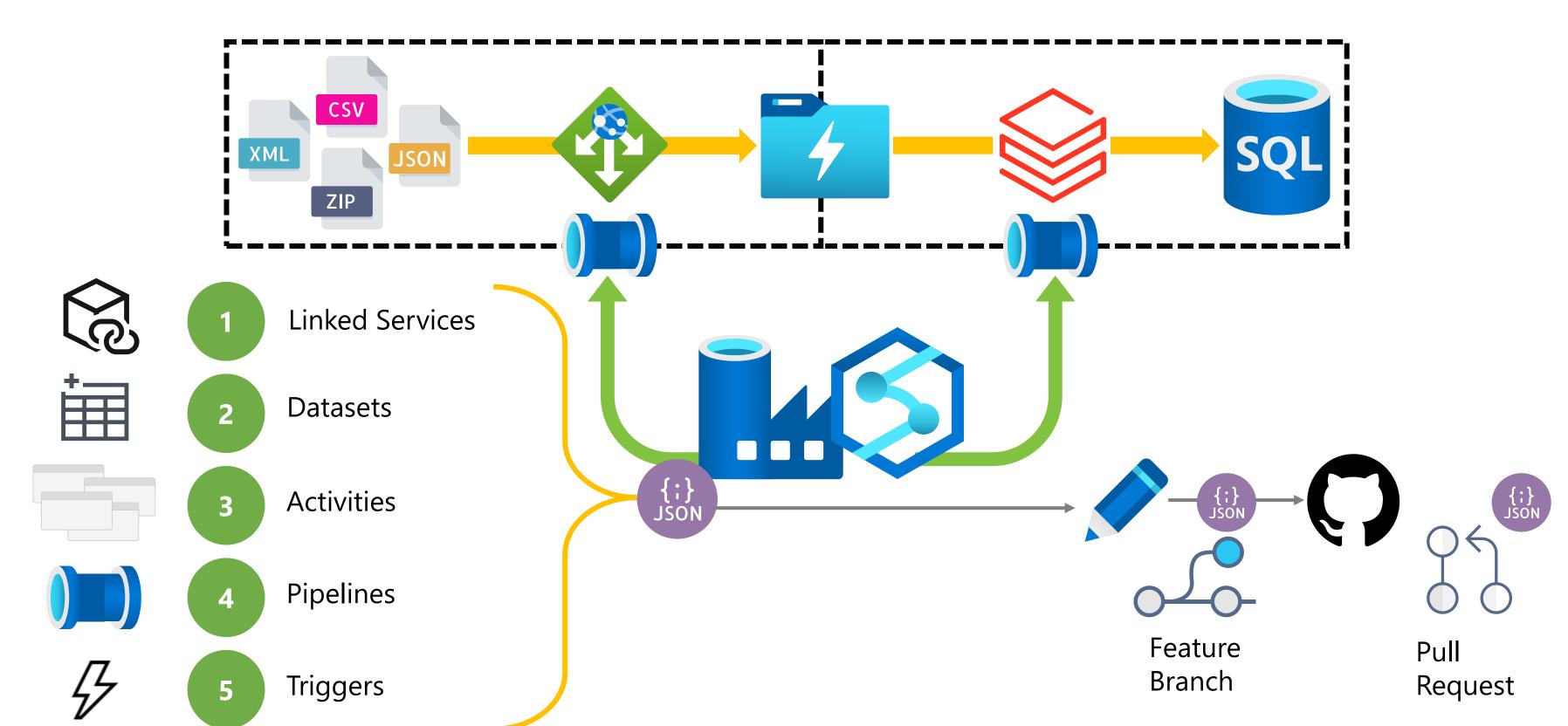




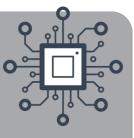
# Integration Pipelines Validation



What is Data Factory actually checking for?







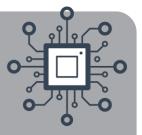




- Development Time Validation
- Test Coverage
- NUnit Tests



## Types of Testing





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

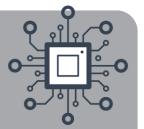
© Functional Tests - An isolated test of whether the pipeline is doing things right – is the pipeline producing the desired result?

**DDUnit 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?

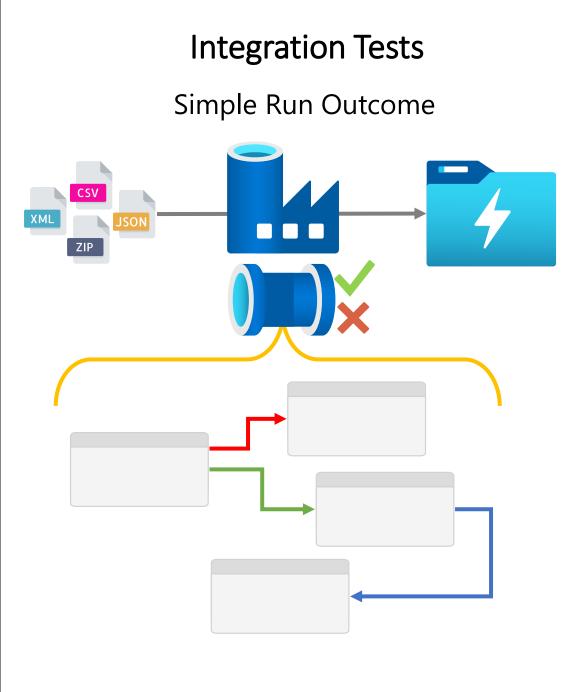
Source: Richard Swinbank <u>richardswinbank.net</u>

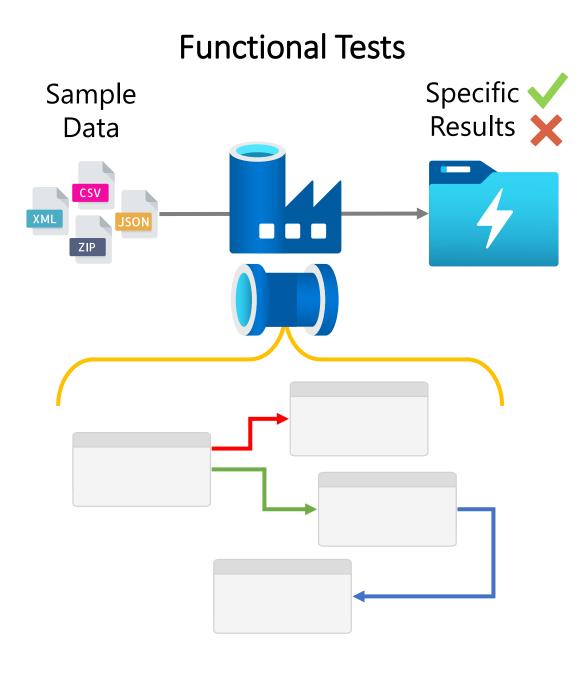


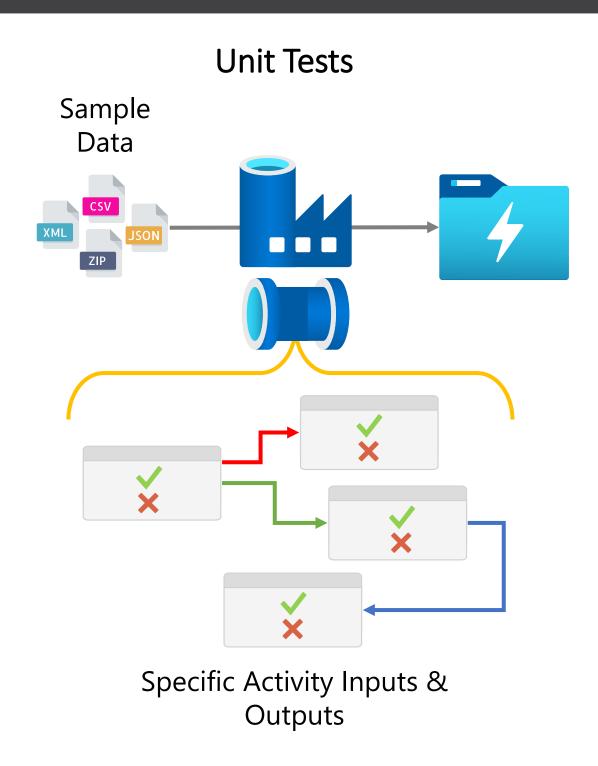
# Types of Testing



### What do they mean in our pipelines?

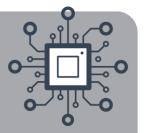






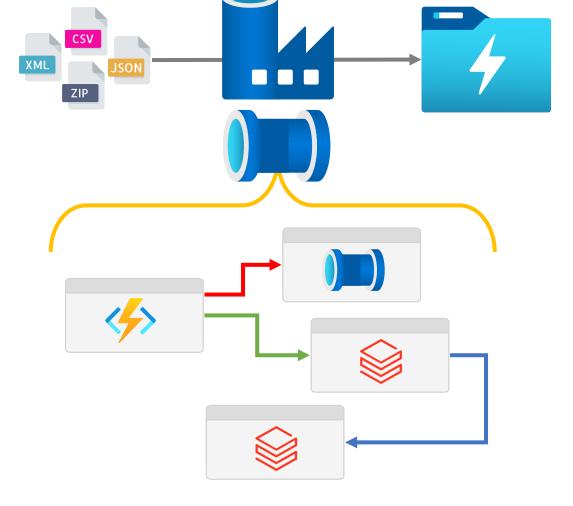


# Types of Testing

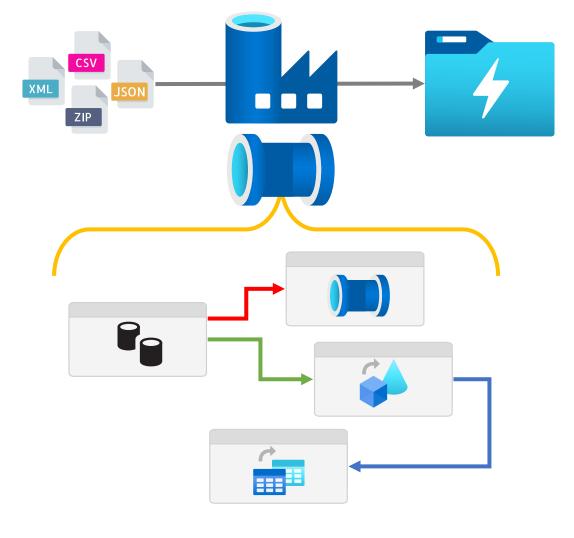


### Does it depend on external resources?

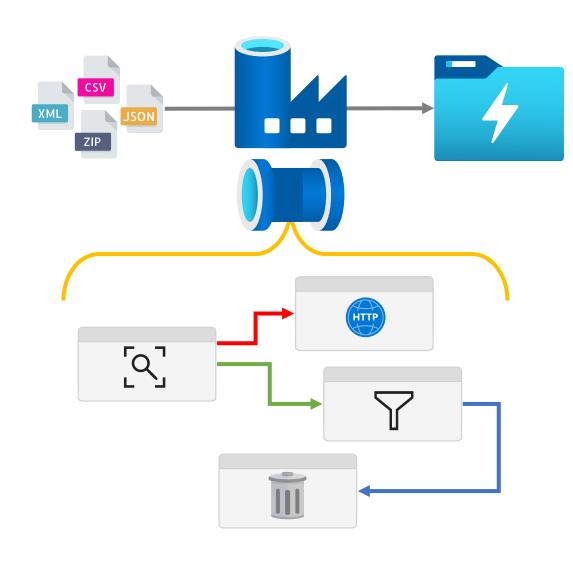




#### **Functional Tests**



#### **Unit Tests**

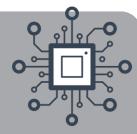


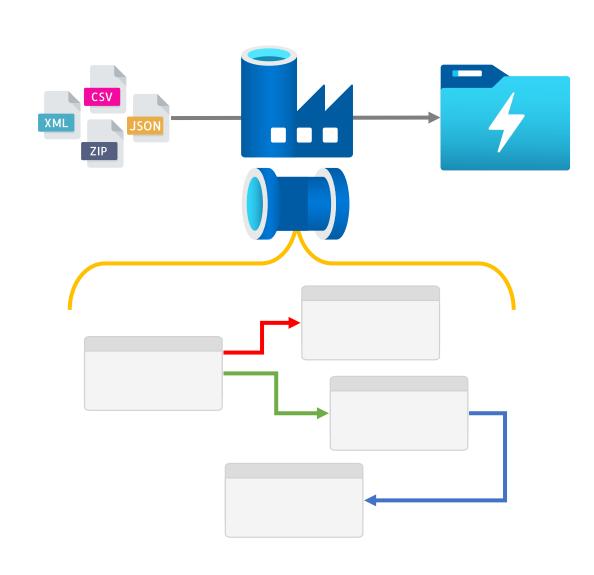


- Development Time Validation
- Test Coverage
- NUnit Tests

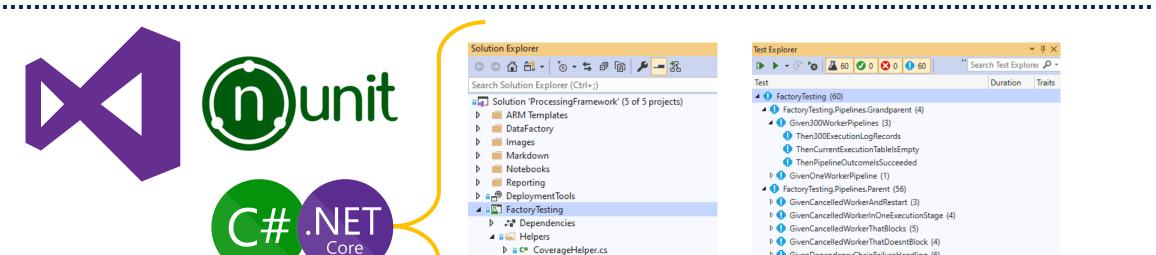


## How To Run & Automate Tests

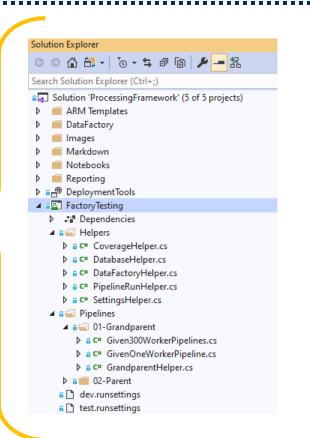


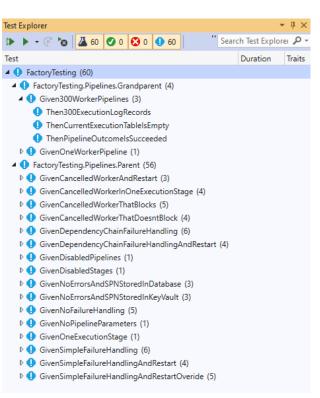




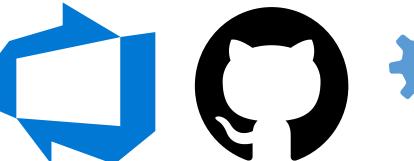








github.com/richardswinbank/community/tree/main/adf-testing-series

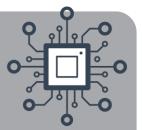




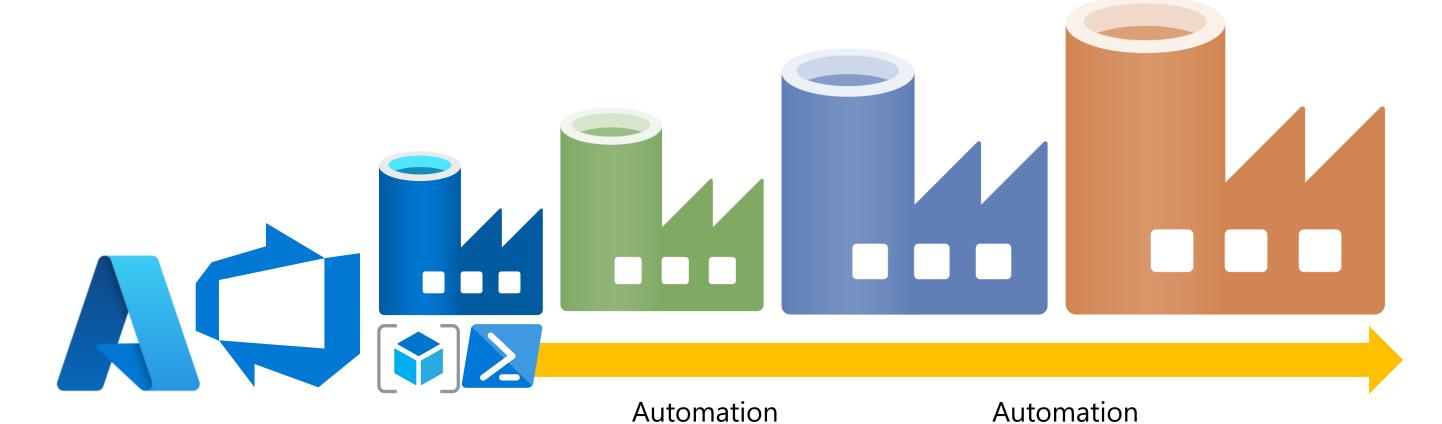




# Testing Code vs Actual Code



#### Data Factory – Chicken vs Egg



Gateways







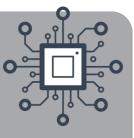
Gateways

Should automate this?

When should testing scripts run?

What if a test case fails?







```
SELECT
       [Contents]
  FROM
       [Training]
  WHERE
       [Module] = '10';
END; --module, fetch next
```

- Development Time Validation
- Test Coverage
- NUnit Tests