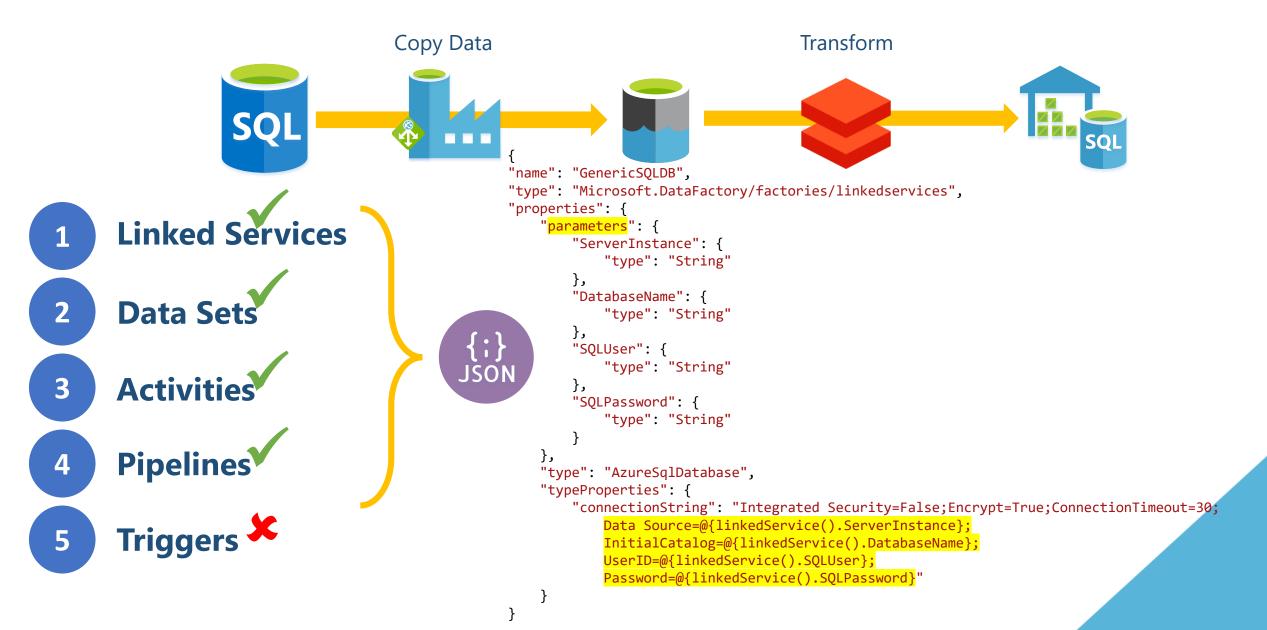
Module 2: Dynamic Pipelines & Advanced Patterns

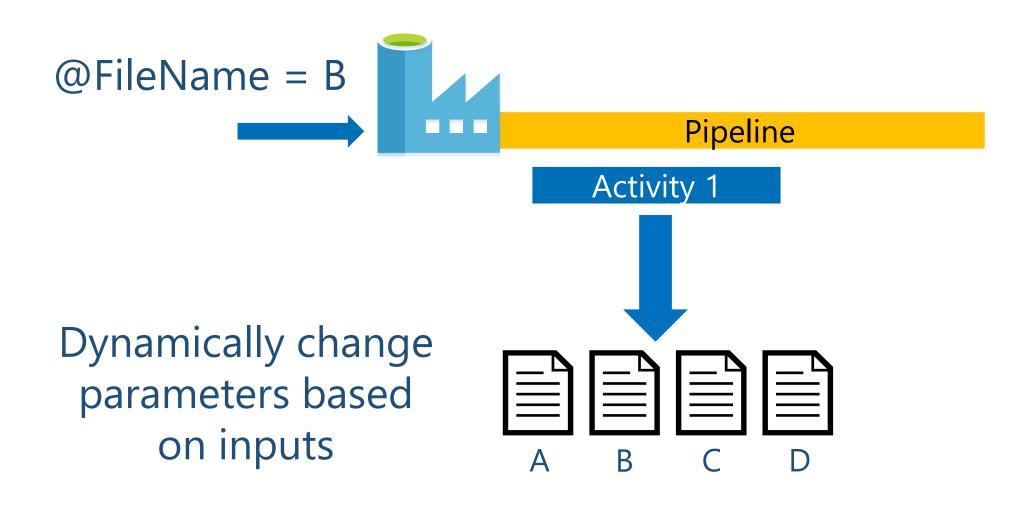
- Lookups, Foreach, Child Pipelines
- Alerting & Error Handling
- Templates

Lookups, For Each, Child Pipelines

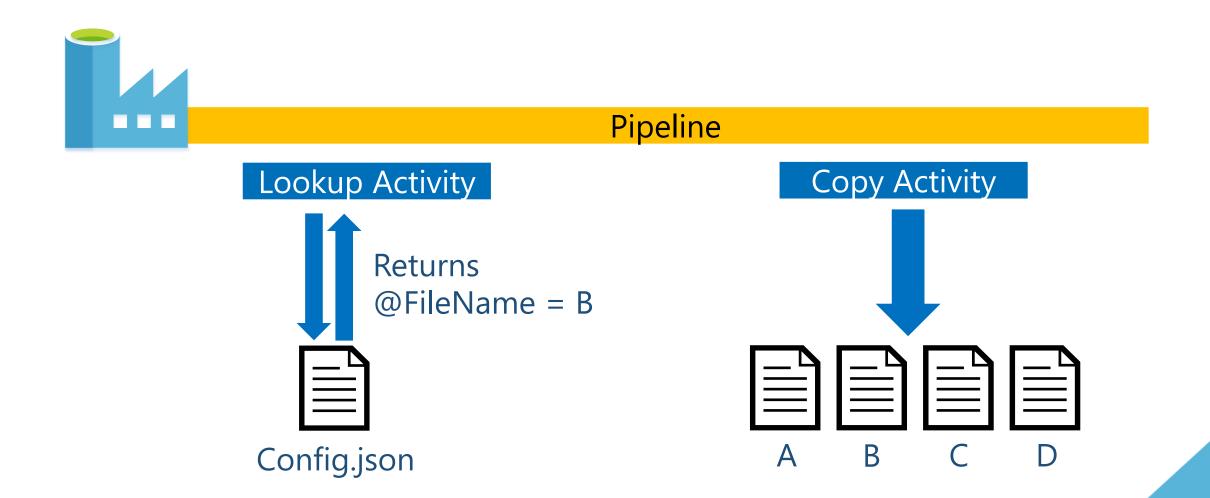
Data Factory Components – Recap



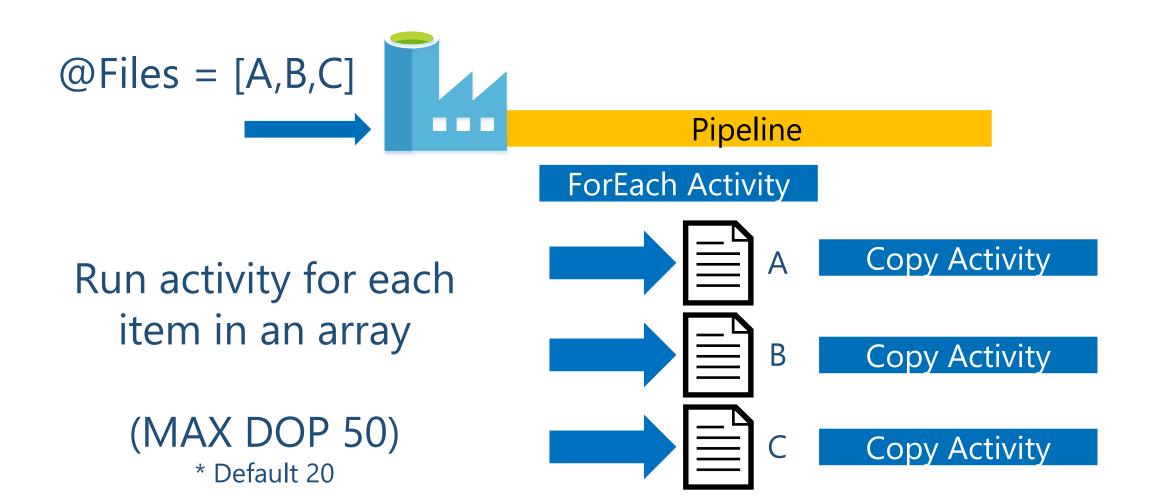
Dynamic Pipelines using Parameters & Expressions



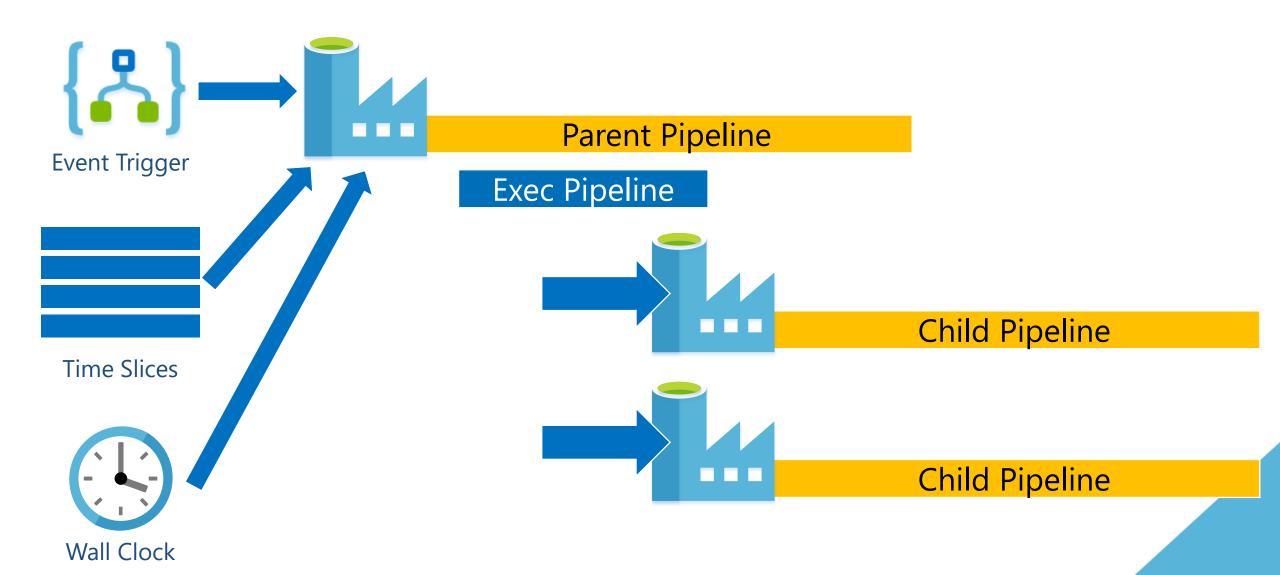
Dynamic Pipelines using Lookup Activity



For Each Pipelines



Parent/Child Pipelines & Triggering

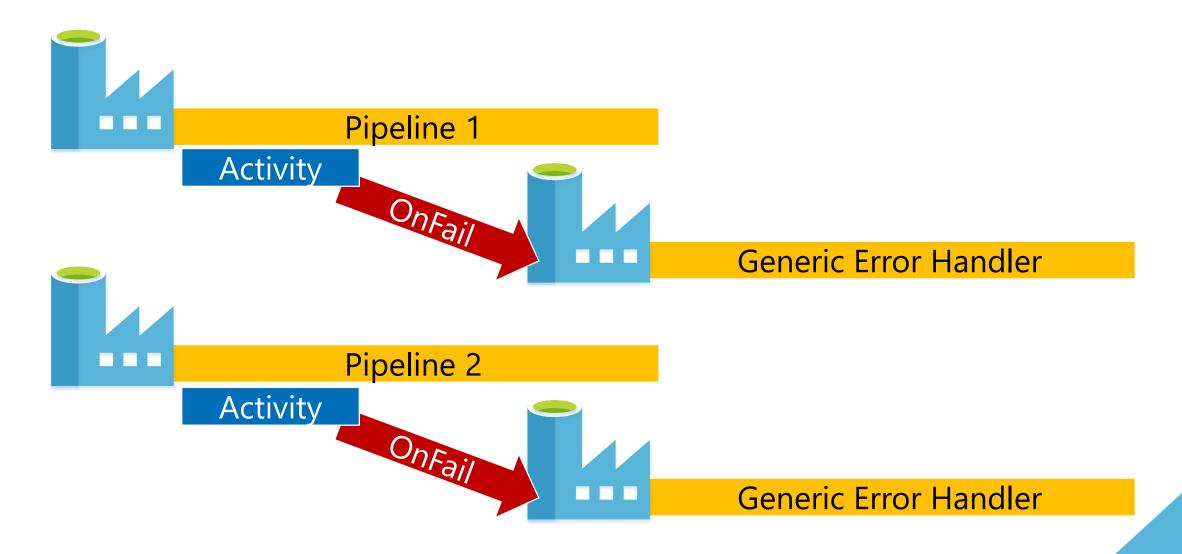


Event Driven Loading

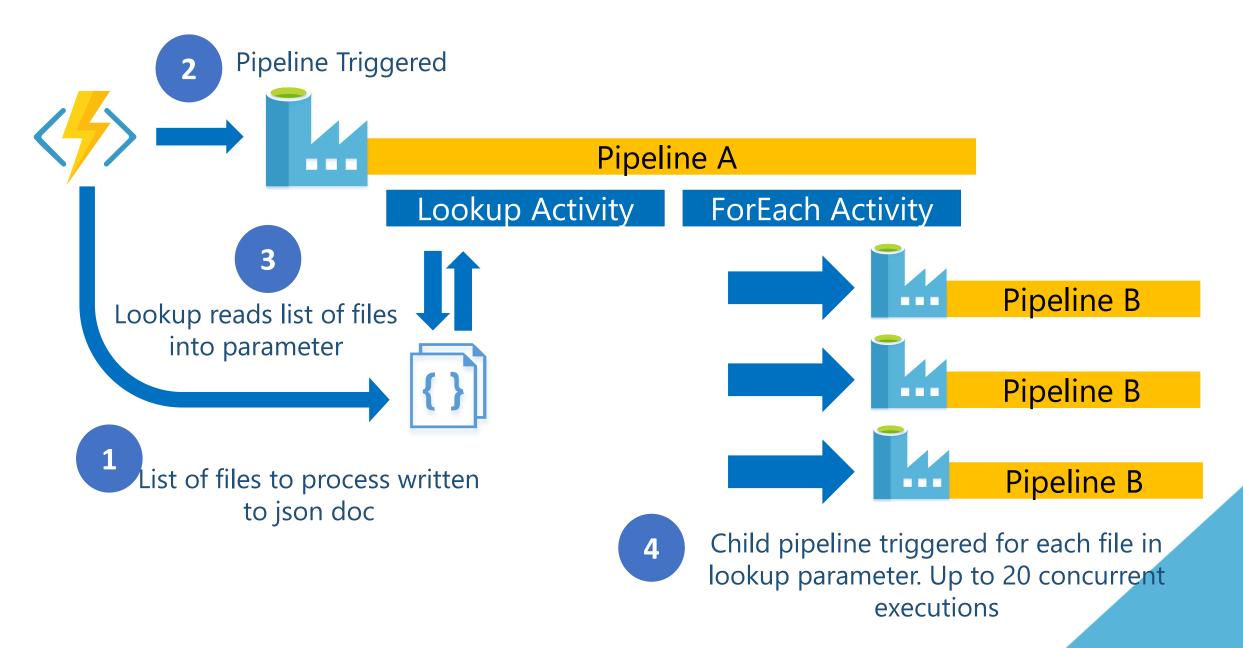


Logic App watches folder, triggering at the next polling interval Pipeline runs, processing file as soon as it is available. Only one ADF Pipeline required

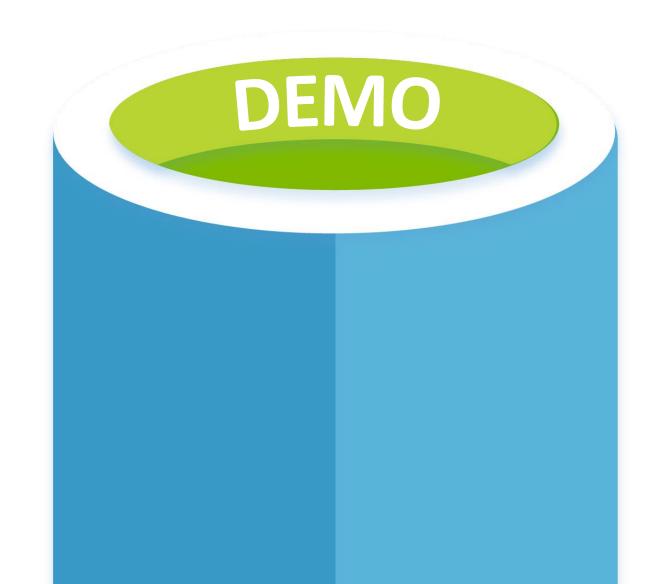
Reusable Pipelines with Conditional Logic



Design Pattern Combinations

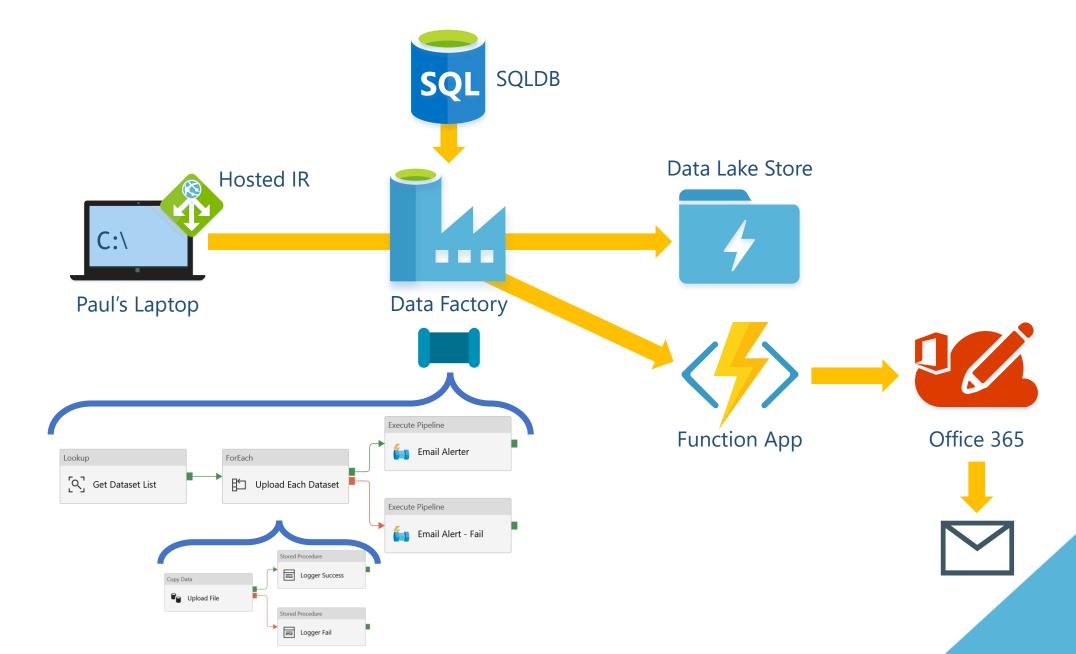


Working with Dynamic Pipelines

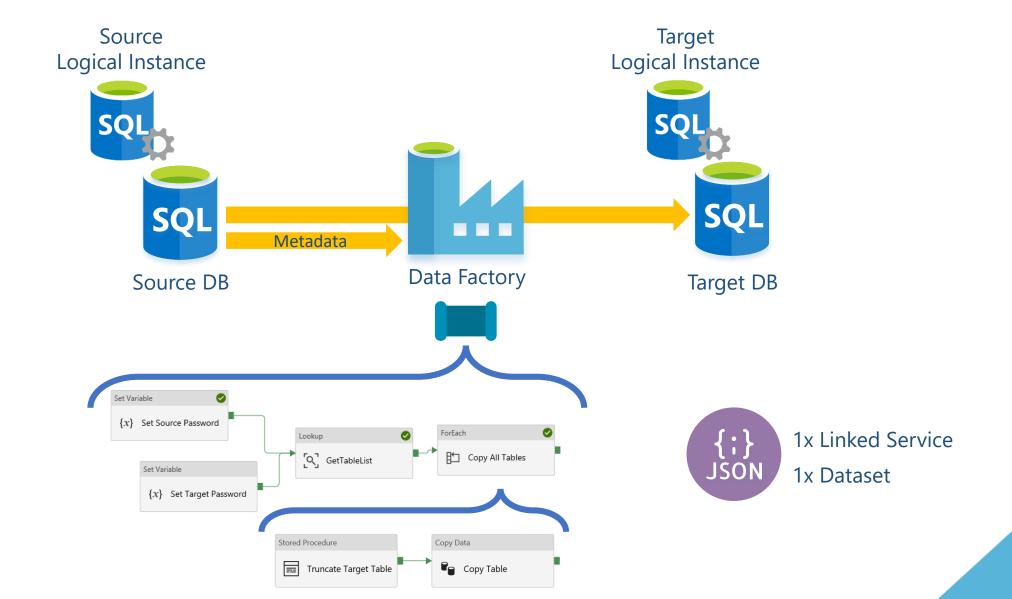


Some common dynamic architectures...

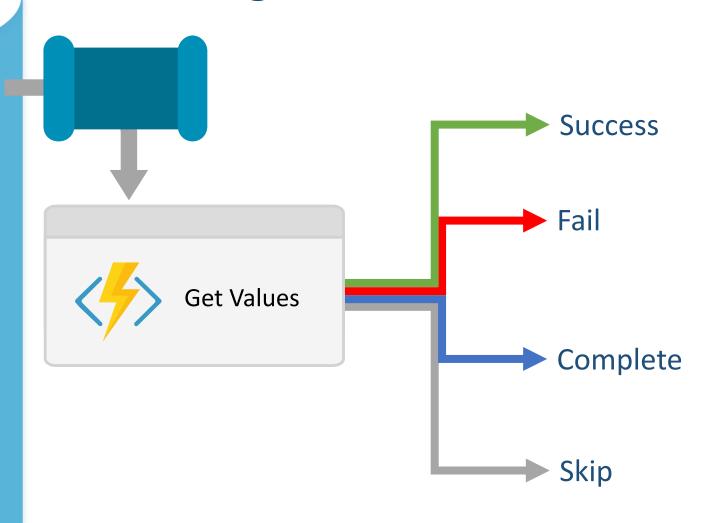
Demo Architecture 1

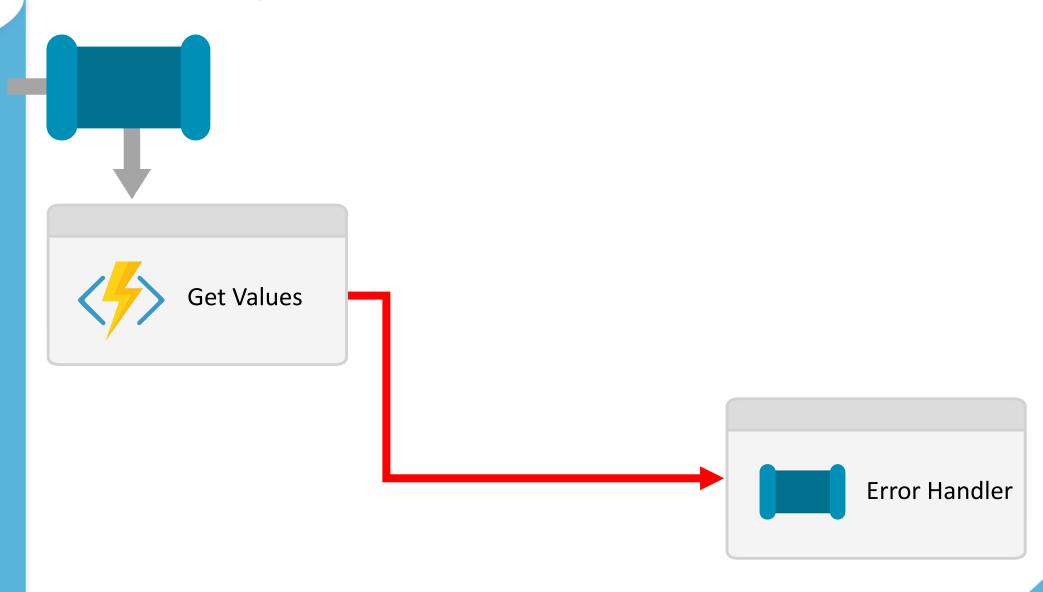


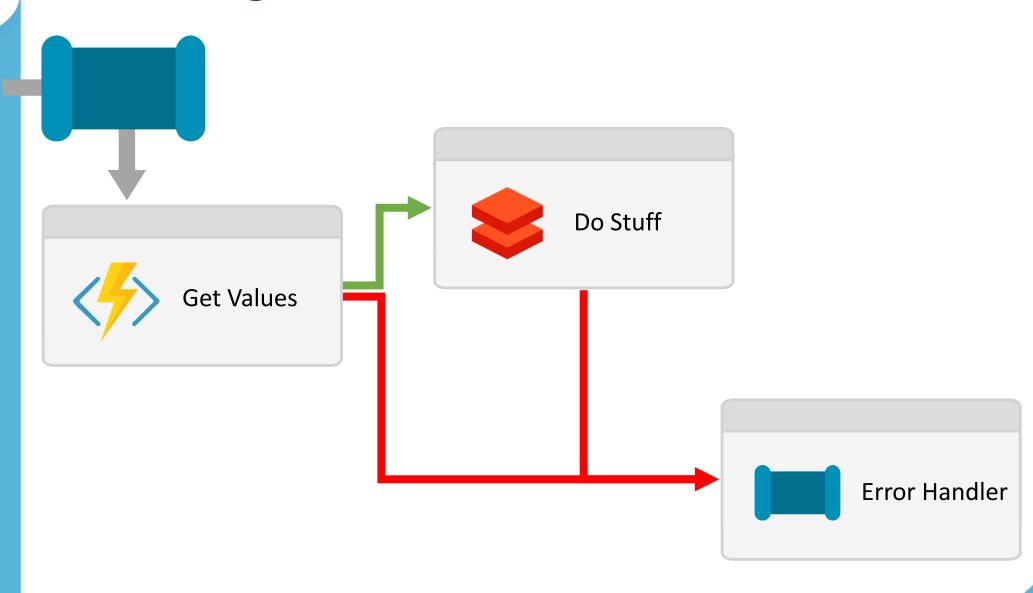
Demo Architecture 2

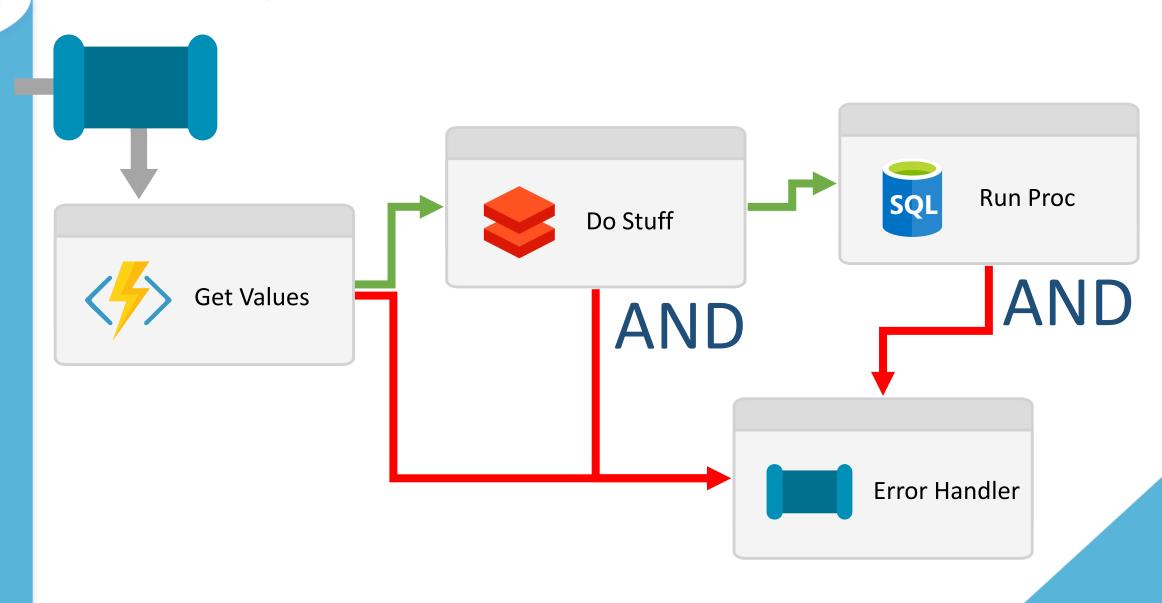


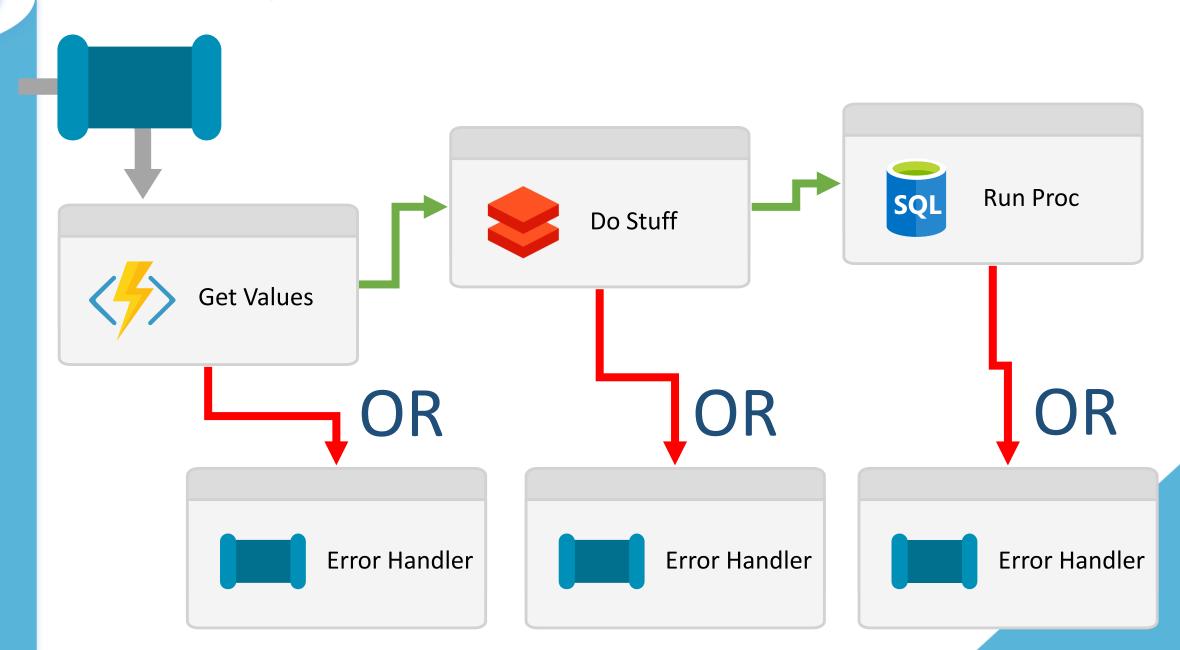
Alerting & Error Handling









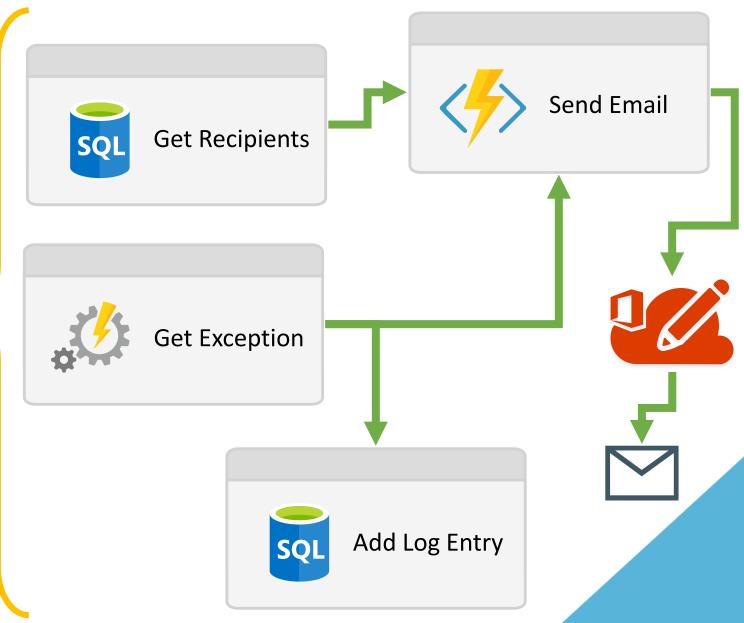


Error Handling & Custom Alerts



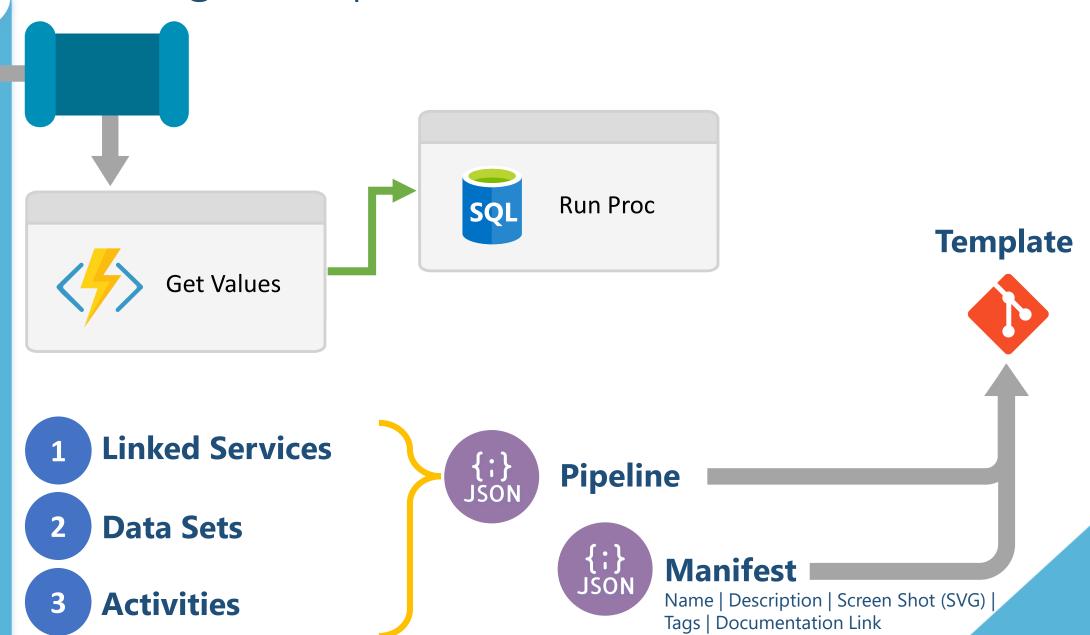
Error Handling & Custom Alerts

```
"parameters": {
"CallingPipeline": {"type": "String"},
"RunId": {"type": "String"},
"OtherDetails": {"type": "String"}
          Error Handler
```

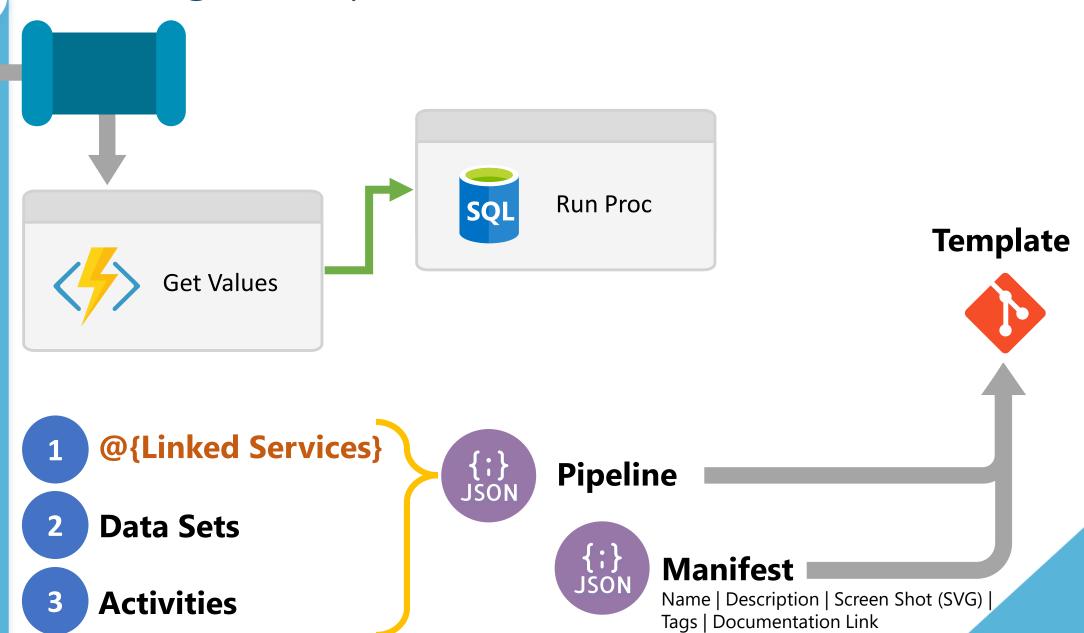


Templates

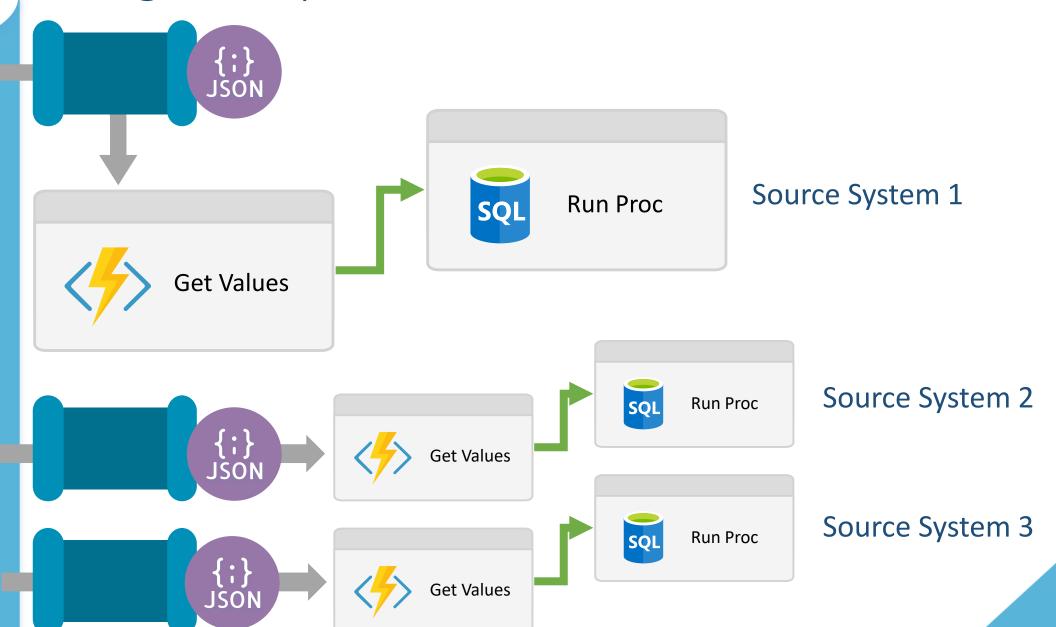
Creating a Template



Creating a Template



Using a Template



Module 2: Dynamic Pipelines & Advanced Patterns

- Lookups, Foreach, Child Pipelines
- Alerting & Error Handling
- Templates