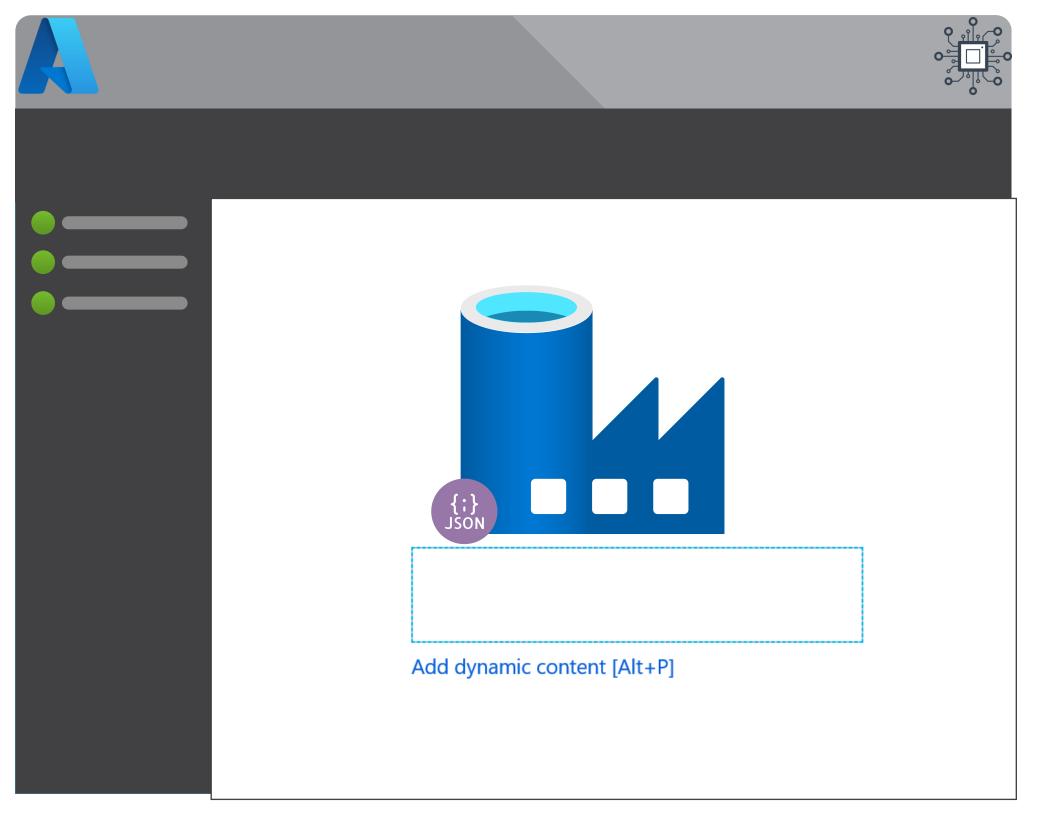
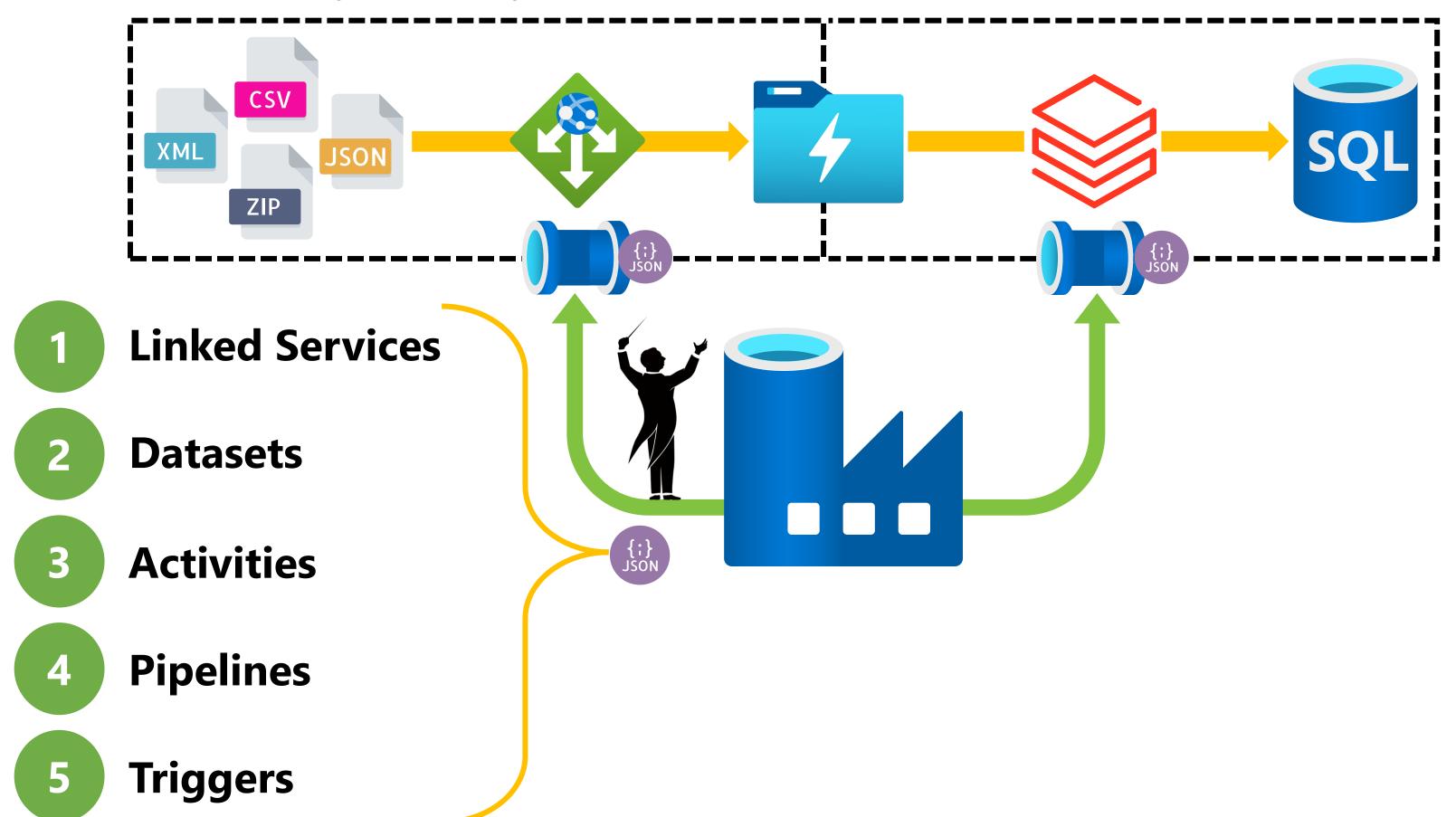


- Expressions & Interpolation
- Simple Metadata Driven Execution
- Dynamic Content Chains
- Reference Names

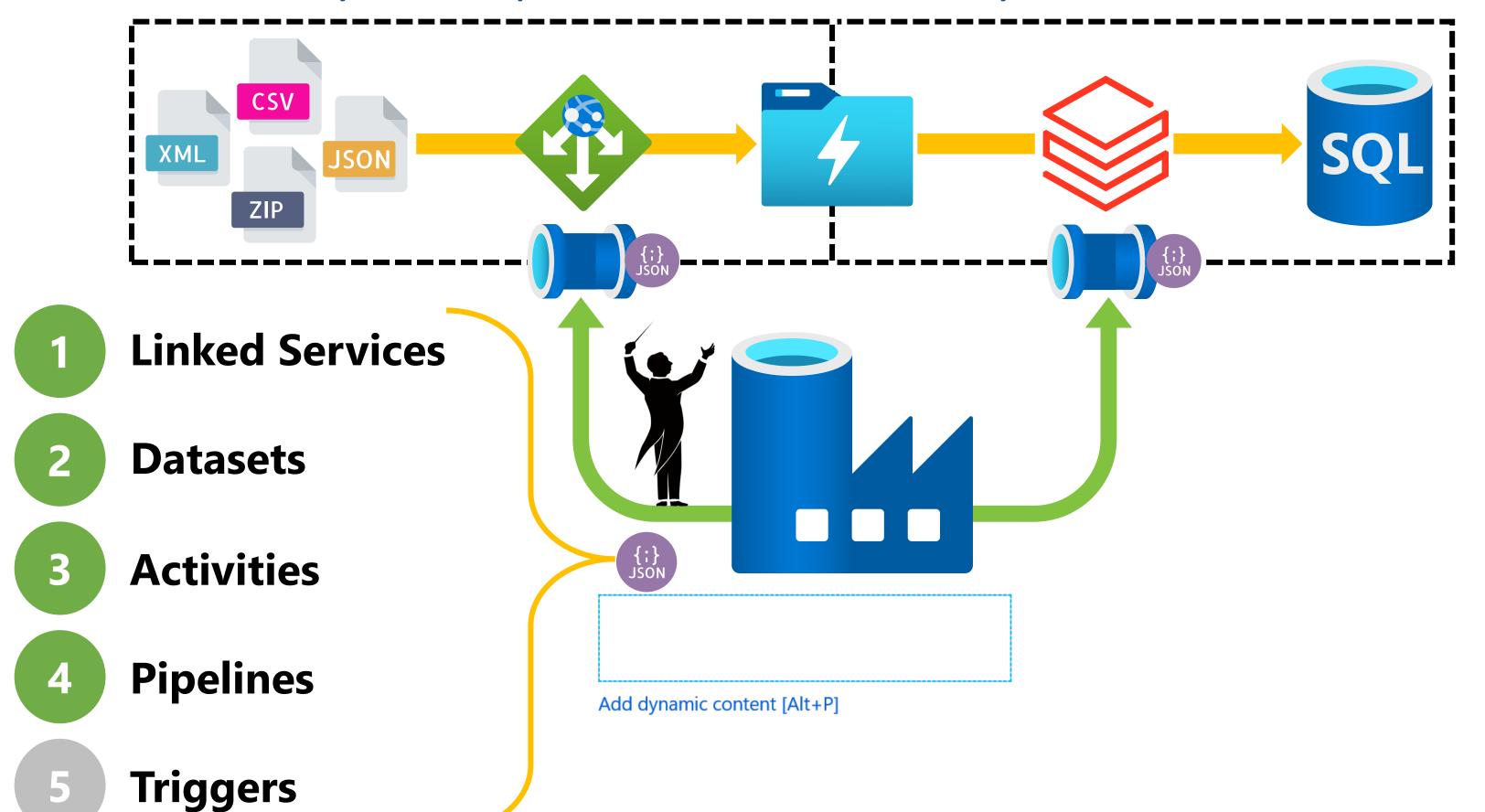


- Expressions & Interpolation
- Simple Metadata Driven Execution
- Dynamic Content Chains
- Reference Names

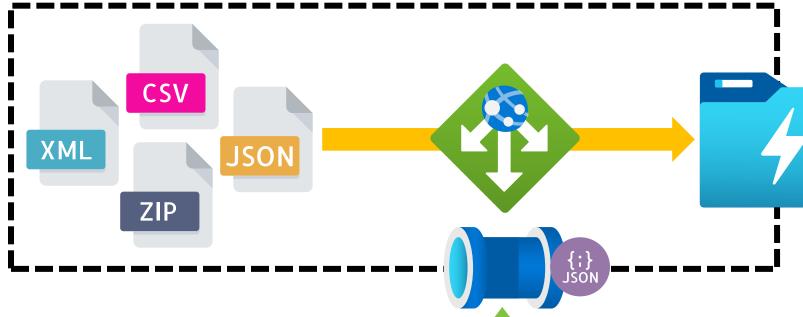
Data Factory Components



Data Factory Components – Add Dynamic Content



Control Flow Expressions



- 1 Linked Services
- 2 Datasets
- 3 Activities
- 4 Pipelines
- 5 Triggers



Add dynamic content

pipeline().parameters.DemoParam

Clear contents

> Filter...

Use expressions, functions or refer to system variables.

System variables

Data factory name

Name of the data factory the pipeline run is running within

Pipeline Name

Name of the pipeline

Pipeline run ID

ID of the specific pipeline run

Pipeline trigger ID

ID of the trigger that invokes the pipeline

Pipeline trigger name

Name of the trigger that invokes the pipeline

Pipeline trigger time

Time when the trigger that invoked the pipeline. The trigger time is the actual fired time, not the sch...

Pipeline trigger type

Type of the trigger that invoked the pipeline (Manual, Scheduler)

▲ Functions

- ▼ Expand all
- Collection Functions
- Conversion Functions
- Date Functions
- Logical Functions
- Math Functions
- String Functions

https://docs.microsoft.com/en-us/azure/data-factory/control-flow-expression-language-functions

Control Flow Expressions

Save Save as template

```
Validate
```



```
"SomethingDynamic": {
   "value": "@pipeline().parameters.DemoParam",
   "type": "Expression"
```

'SomethingDynamic": "@pipeline().parameters.DemoParam"



String Interpolation

```
"SomethingDynamic": "Hello World"
```

```
"parameters": {
   "DemoParam": {
  "type": "string",
  "defaultValue": "World"
```





Add dynamic content [Alt+P]

"SomethingDynamic": "Hello @{pipeline().parameters.DemoParam}"

Add dynamic content

@pipeline().parameters.DemoParam



Clear contents

Use expressions, functions or refer to system variables.

System variables

Data factory name

Name of the data factory the pipeline run is running within

Pipeline Name

Name of the pipeline

Pipeline run ID

ID of the specific pipeline run

Pipeline trigger ID

ID of the trigger that invokes the pipeline

Pipeline trigger name

Name of the trigger that invokes the pipeline

Pipeline trigger time

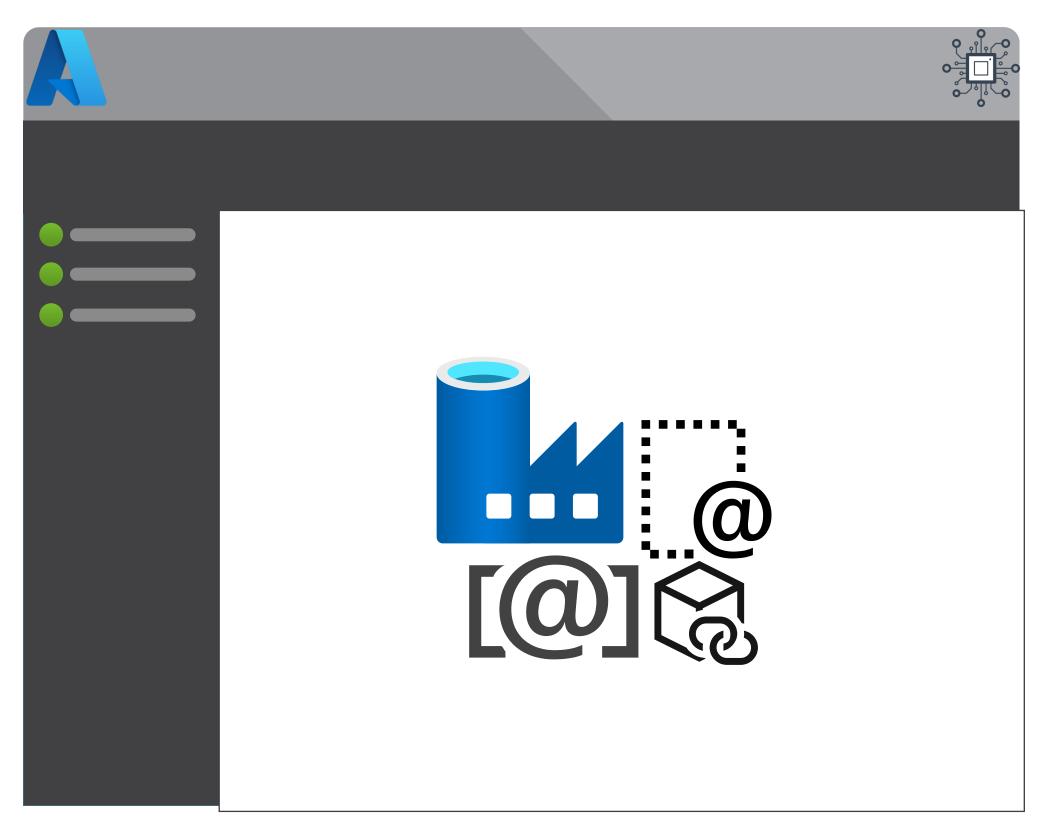
Time when the trigger that invoked the pipeline. The trigger time is the actual fired time, not the sch...

Pipeline trigger type

Type of the trigger that invoked the pipeline (Manual, Scheduler)

▲ Functions

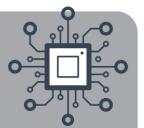
- ▼ Expand all
- Collection Functions
- Conversion Functions
- Date Functions
- Logical Functions
- Math Functions
- String Functions

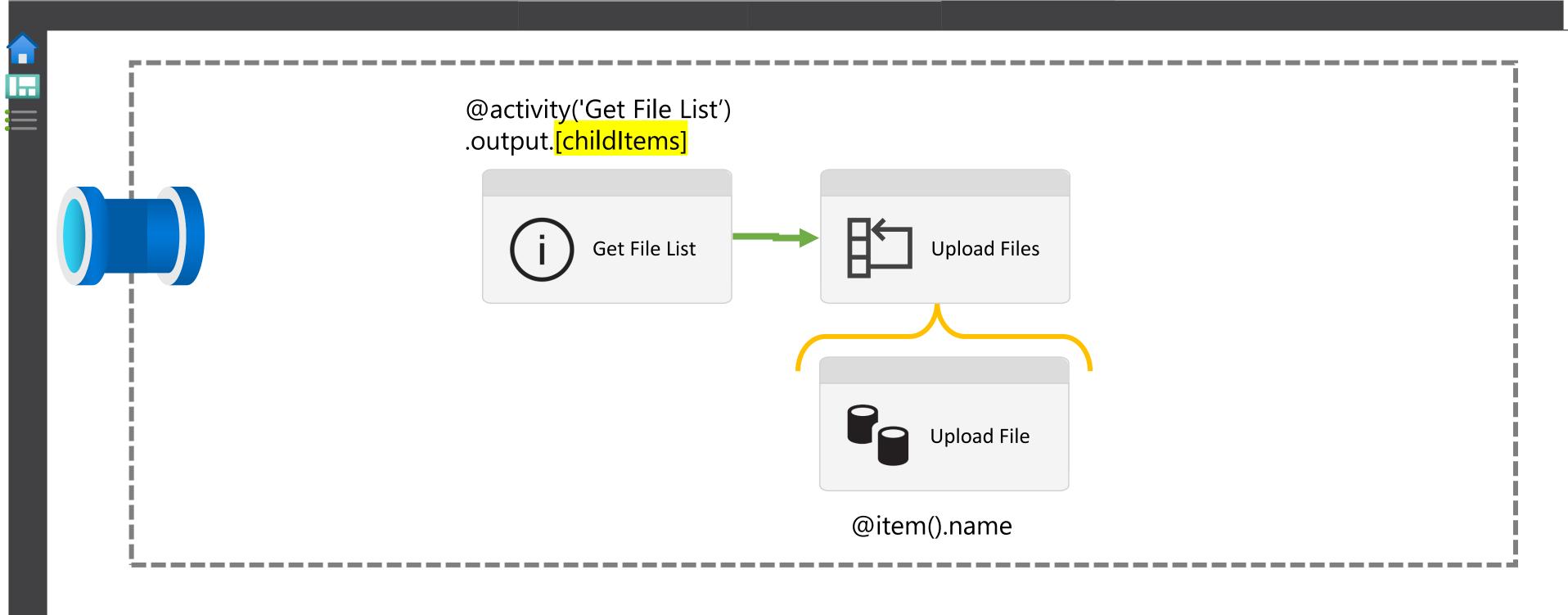


- Expressions & Interpolation
- Simple Metadata Driven Execution
 - Outputs
 - Global Parameters
 - Variables
- Dynamic Content Chains
- Reference Names



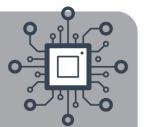
Data Discovery and Upload

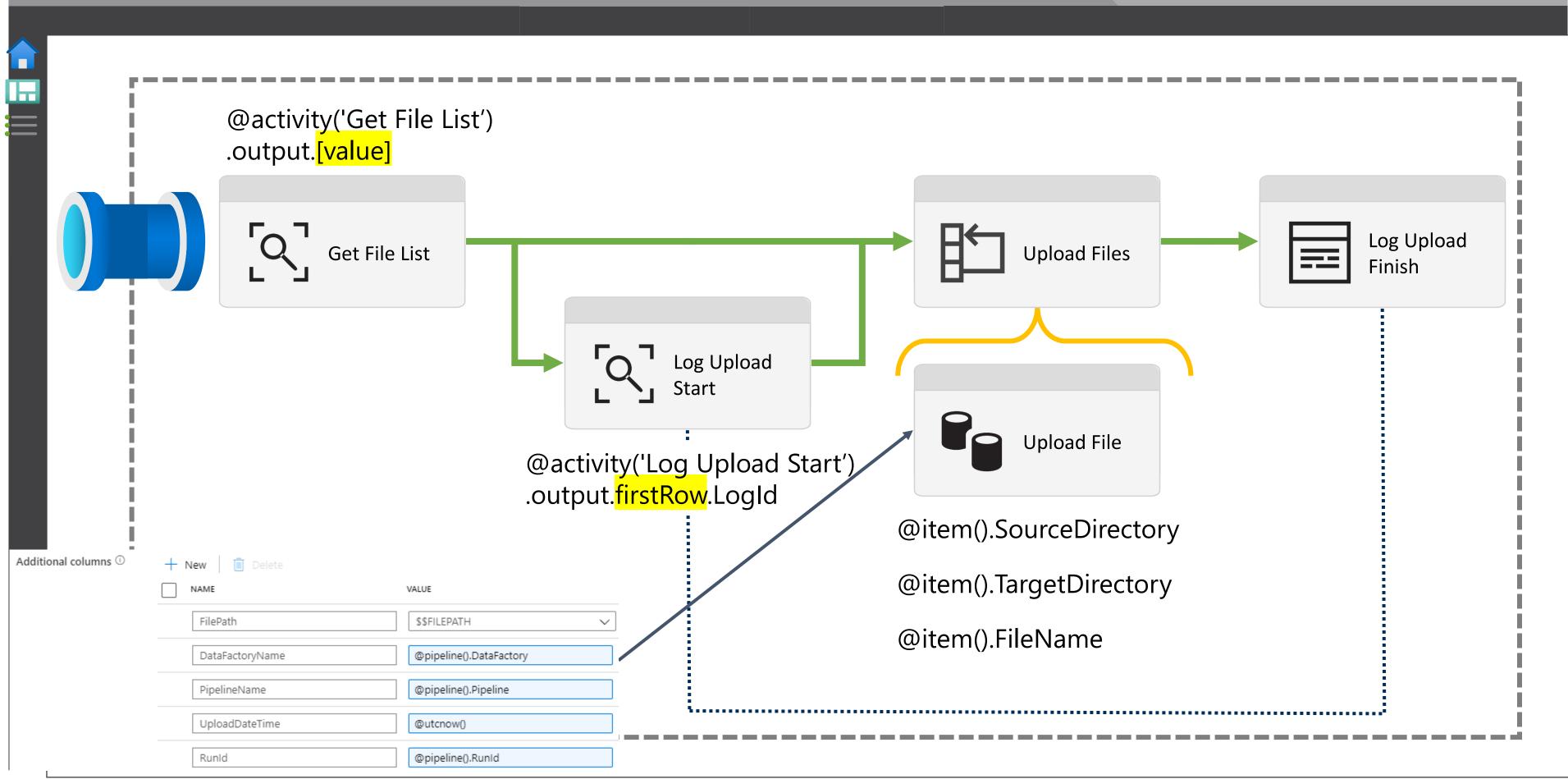






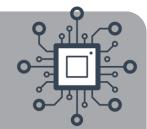
Simple Metadata and Upload

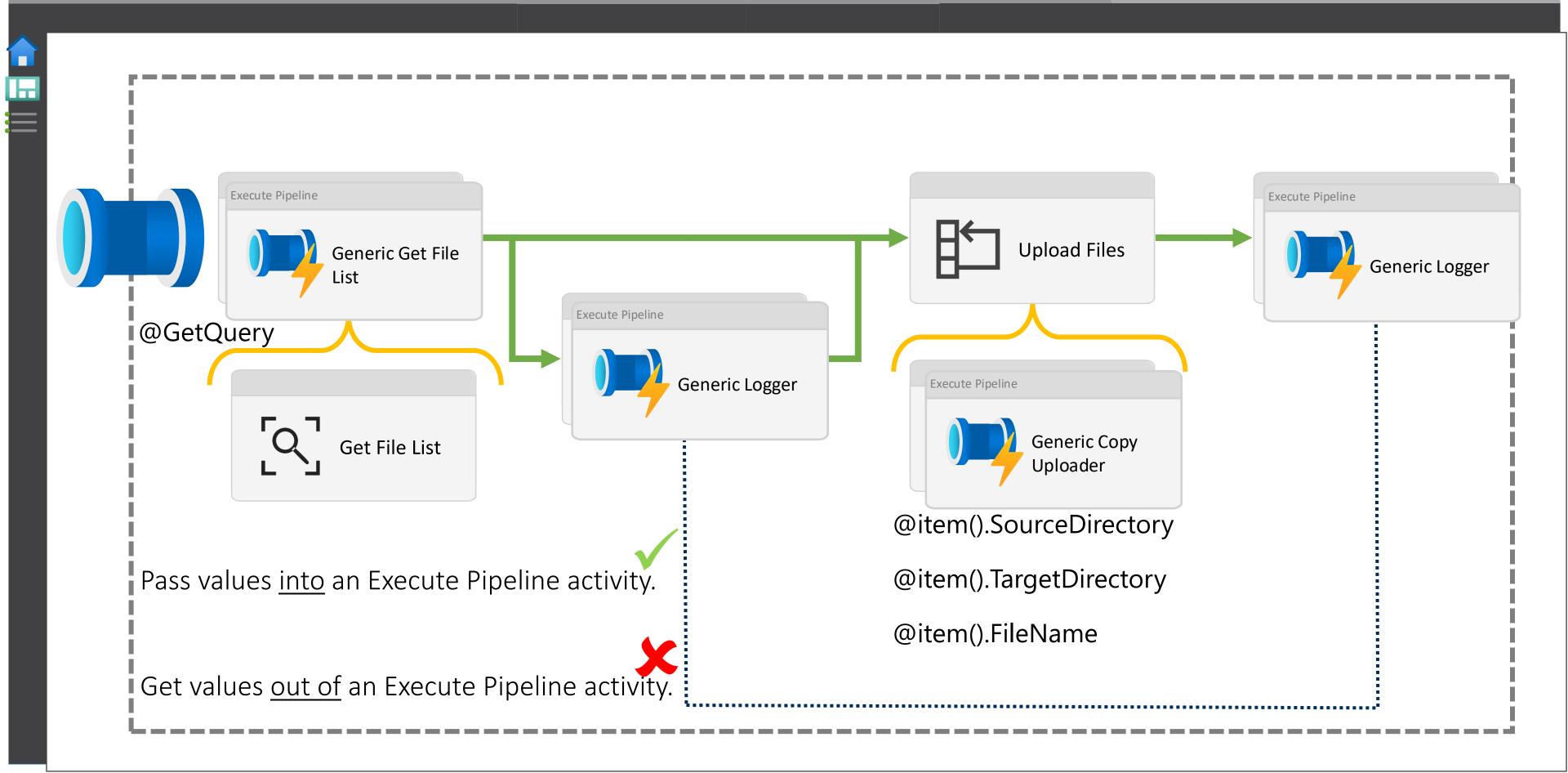






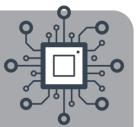
Using Pipelines as Worker Components



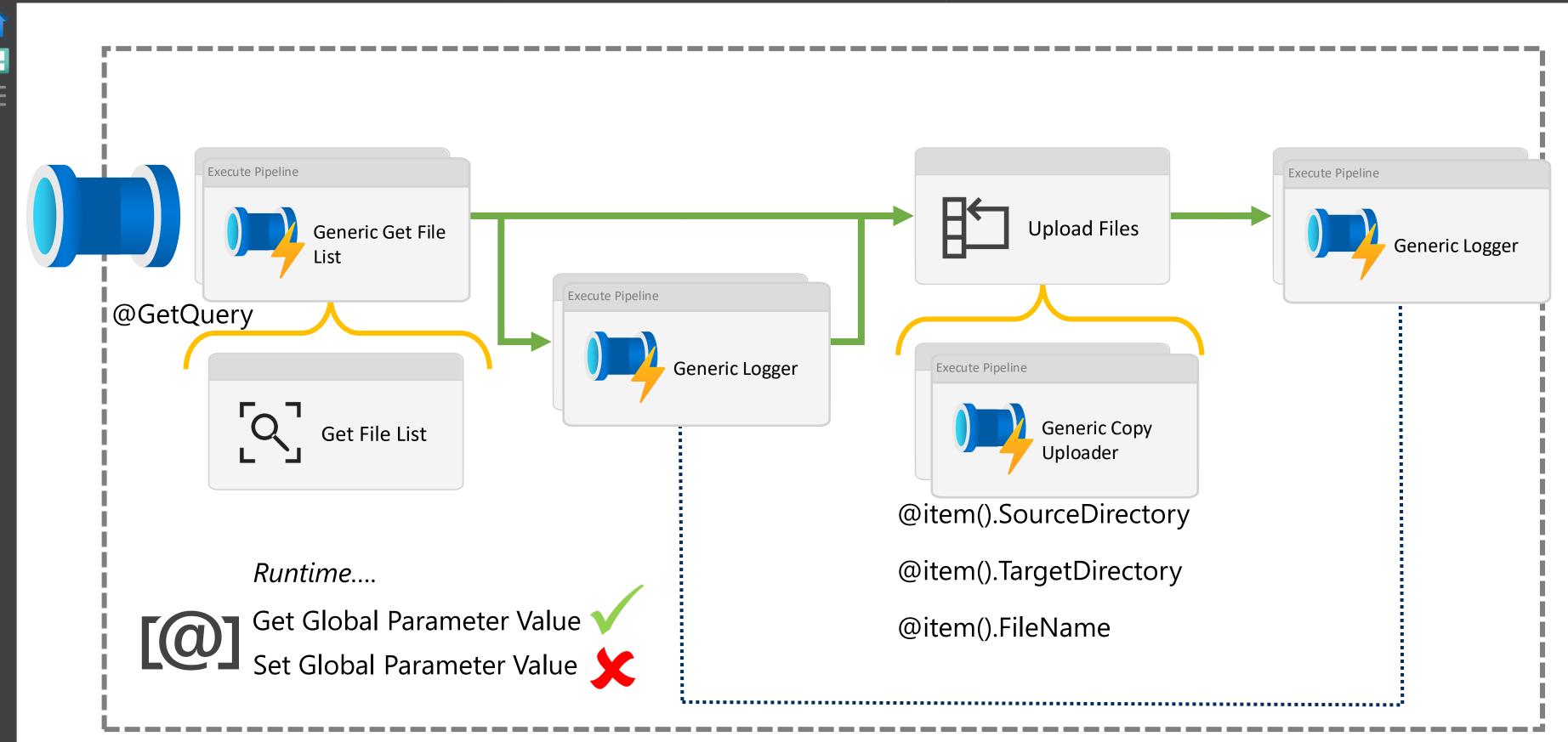




Using Pipelines as Worker Components

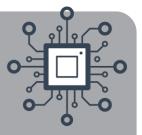


With a Global Parameters

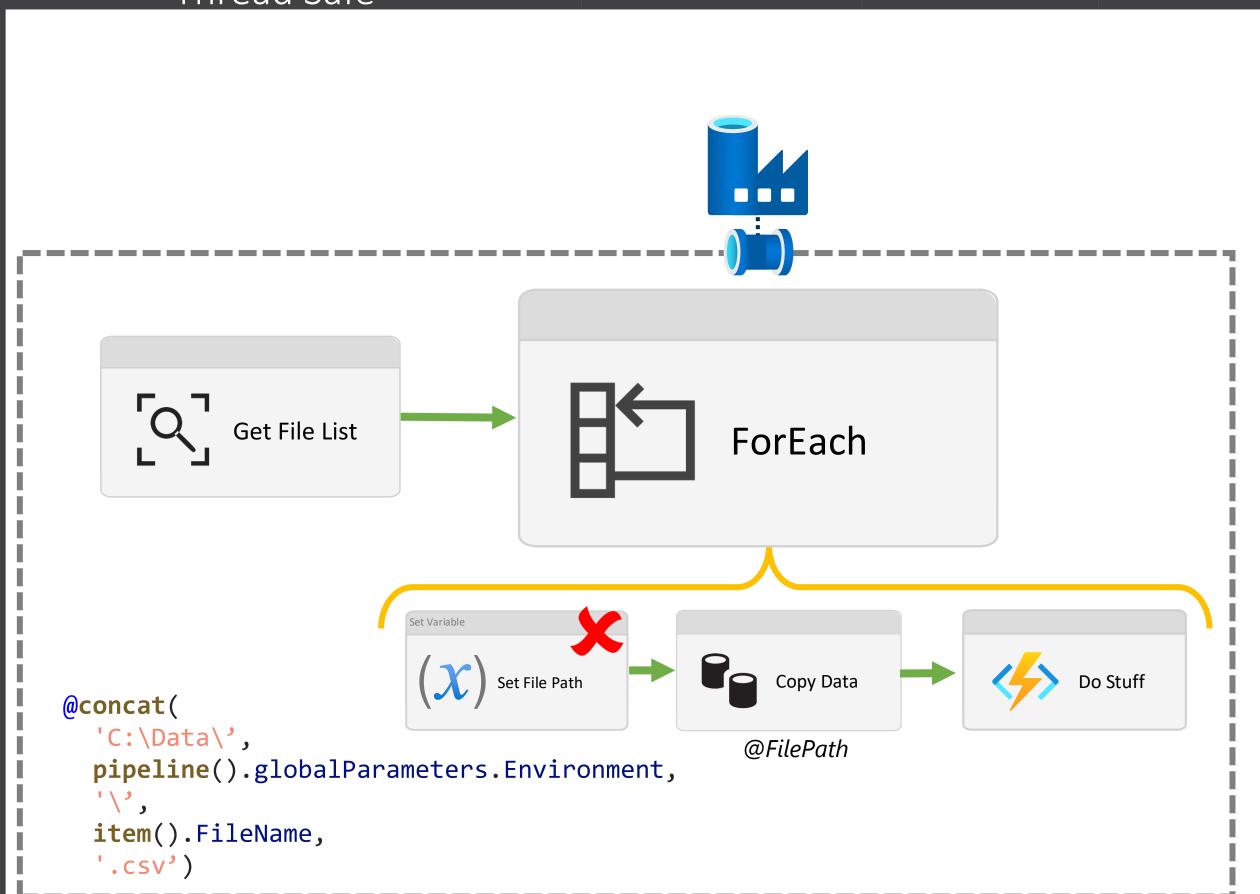


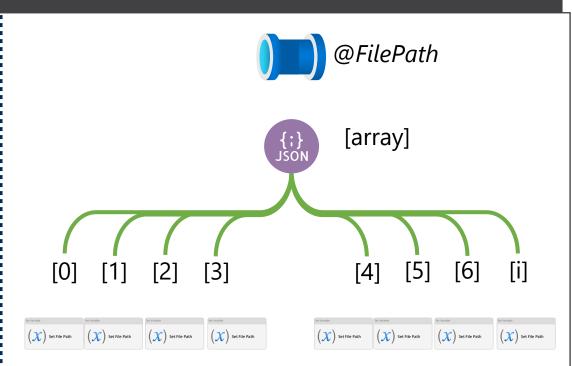


Variable Scope



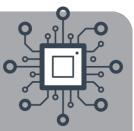




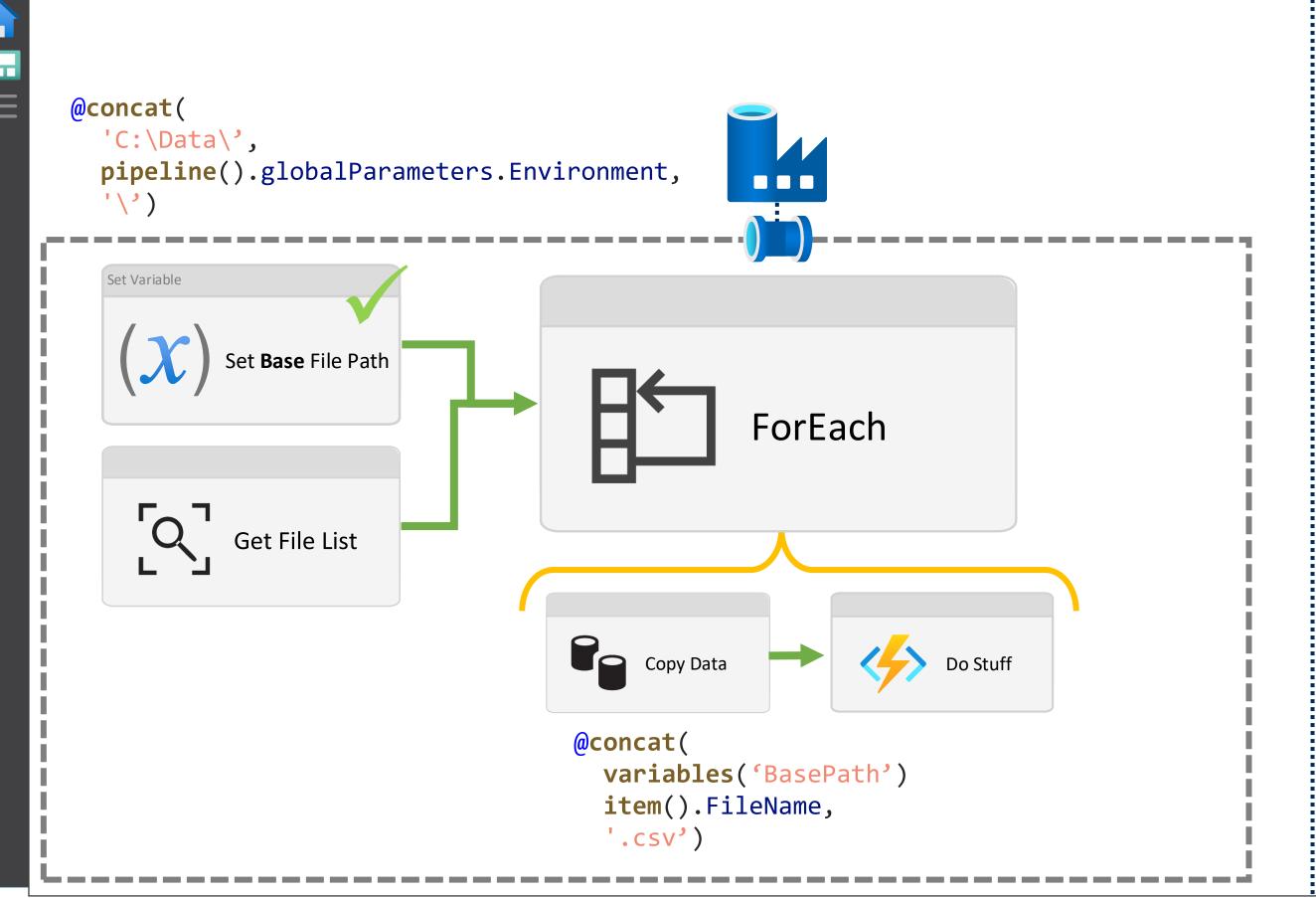


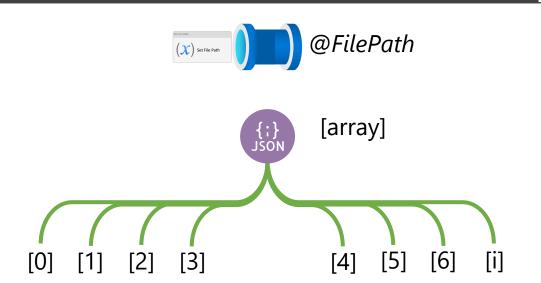


Variable Scope

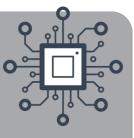


Layering Expressions

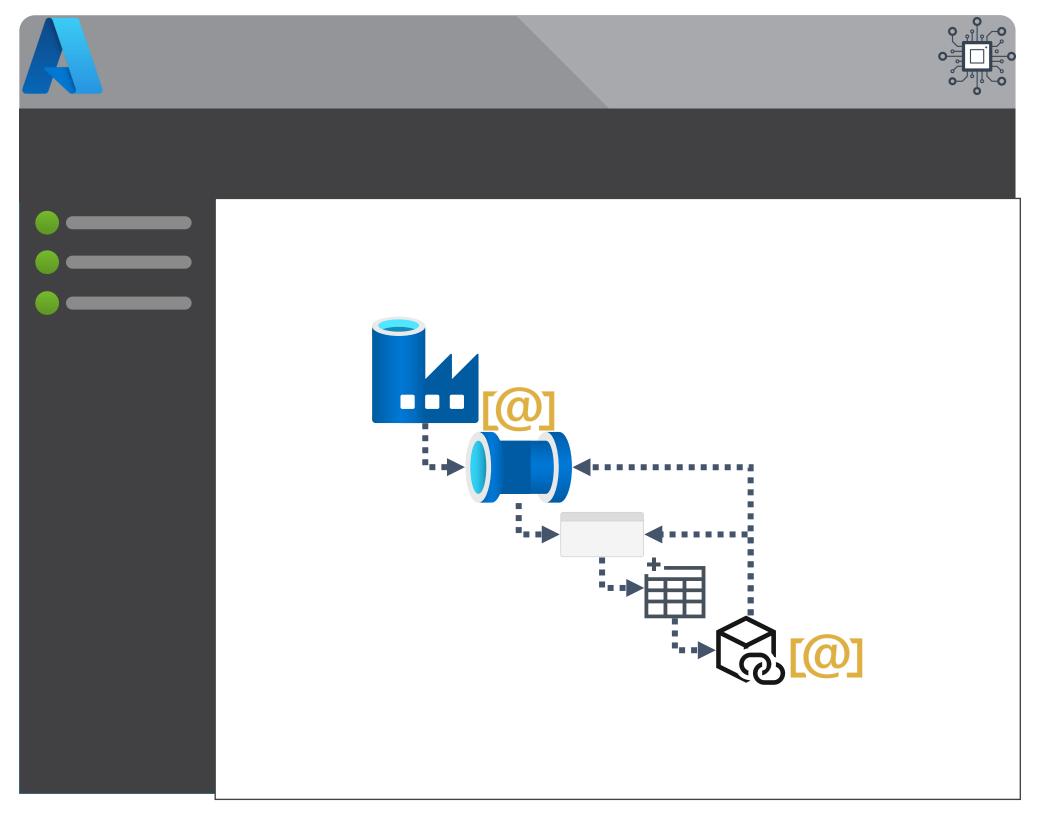








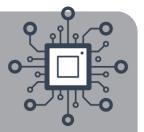


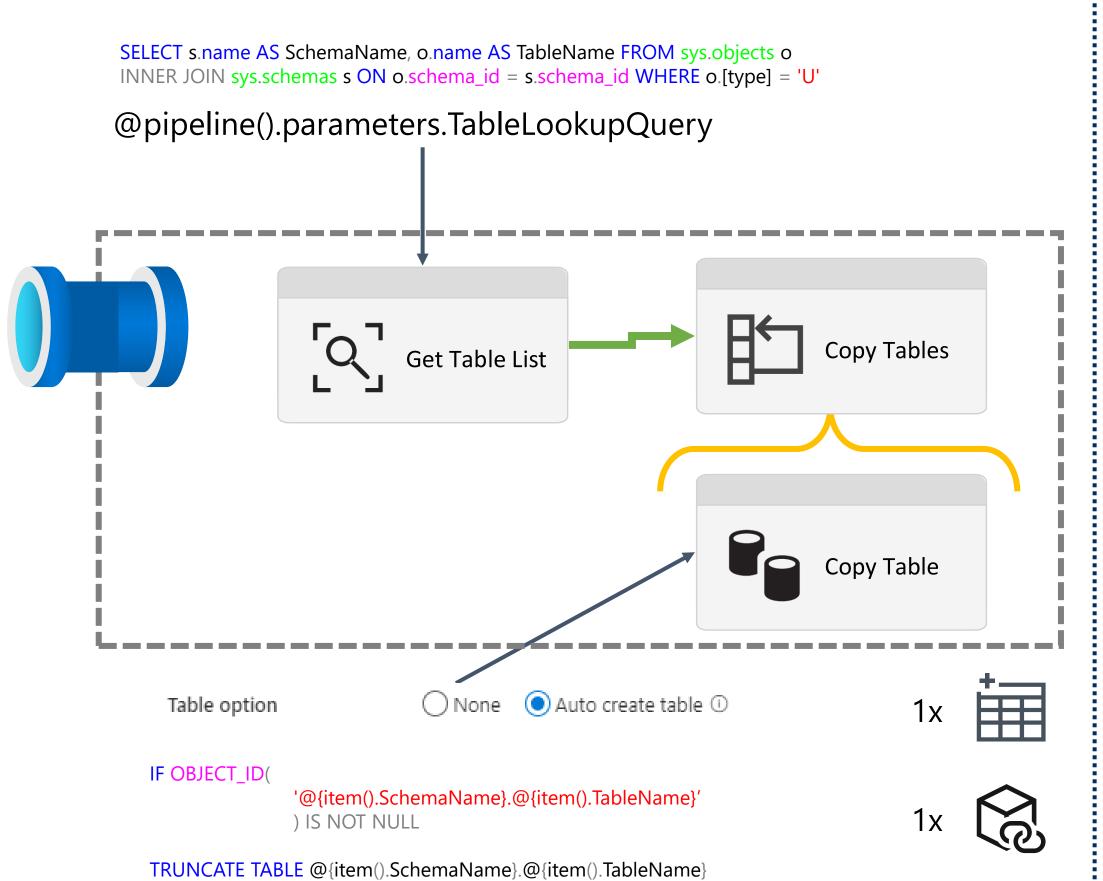


- Expressions & Interpolation
- Simple Metadata Driven Execution
- Dynamic Content Chains
- Reference Names



Lazy SQLDB Replication



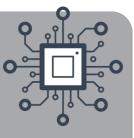


@pipeline().parameters.SourceConnectionSecret
@pipeline().parameters.TargetConnectionSecret

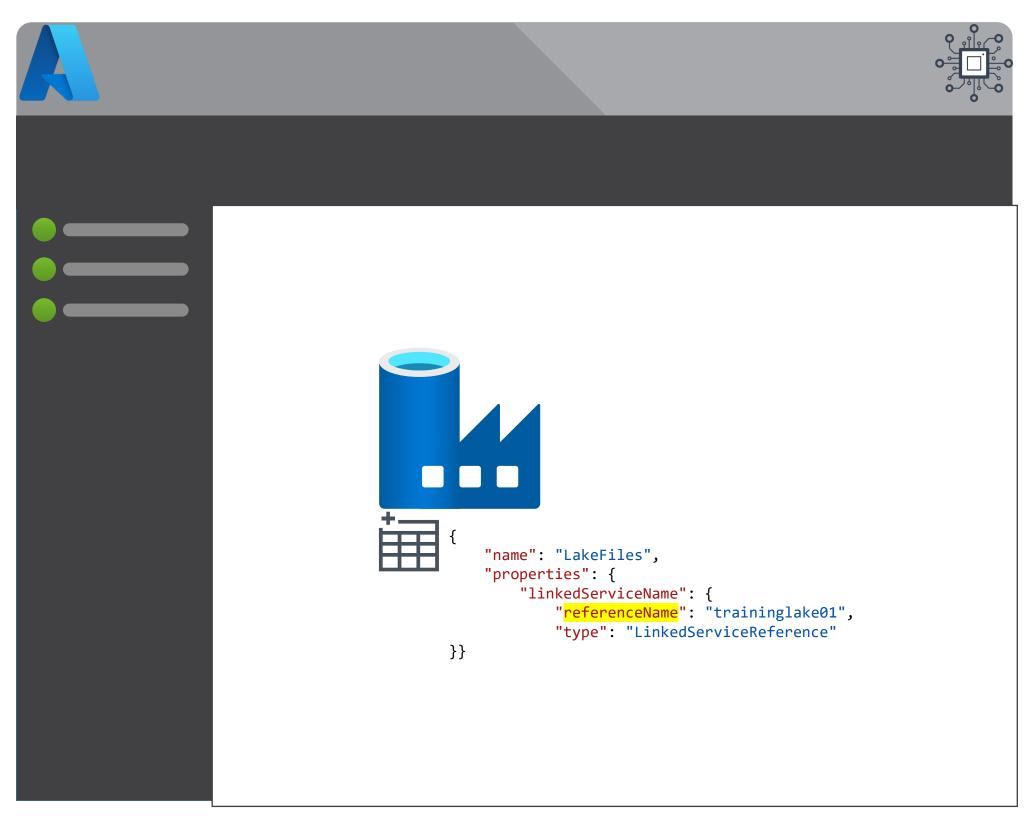
@dataset (). Linked Service Connection Secret

@linkedService().DBConnectionSecret





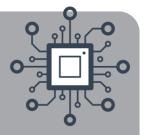


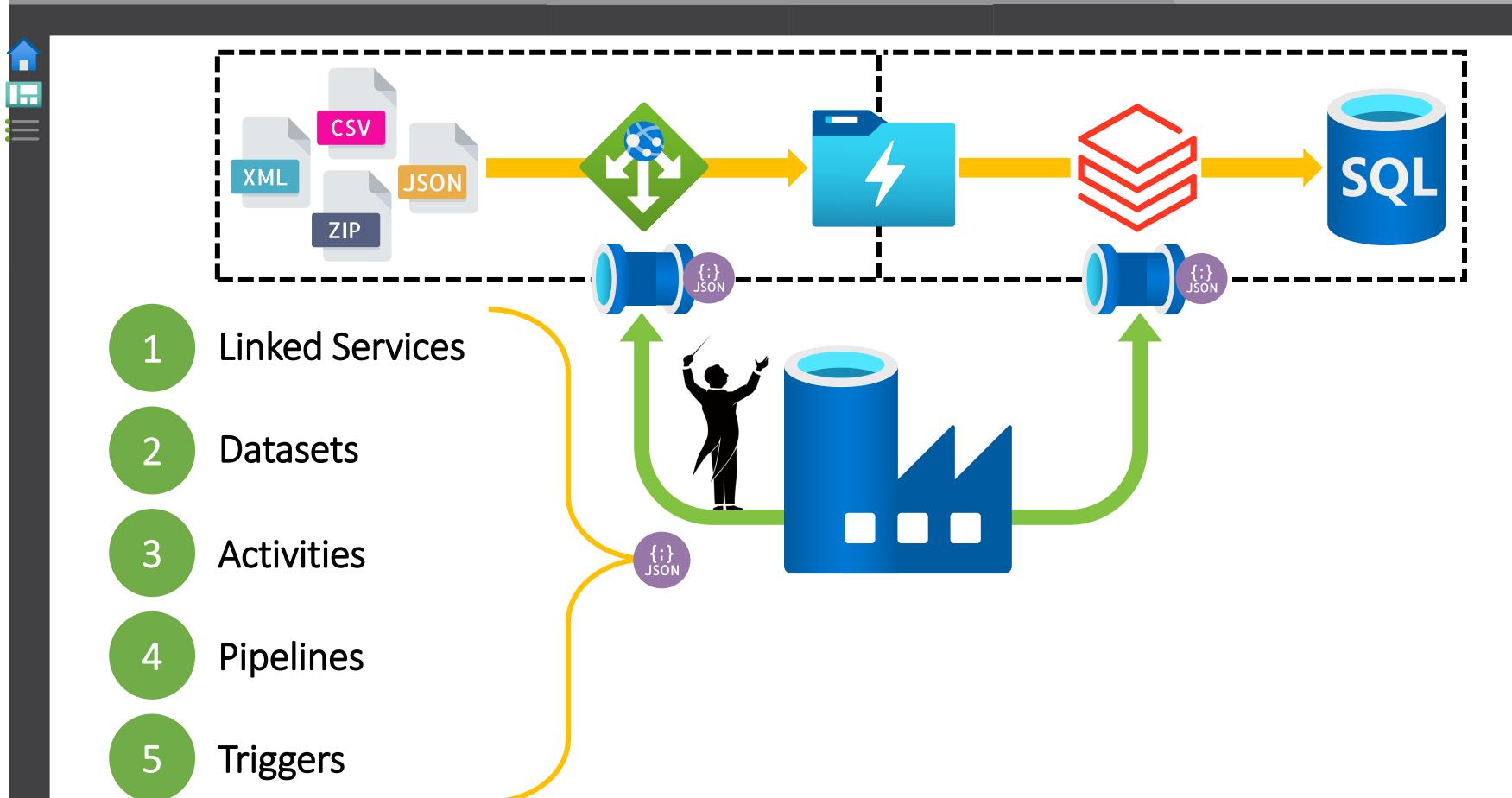


- Expressions & Interpolation
- Simple Metadata Driven Execution
- Dynamic Content Chains
- Reference Names



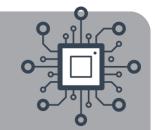
Reference Names

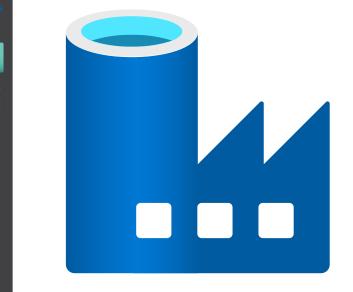






Reference Names





- 1 Linked Services
- 2 Datasets
- 3 Activities
- 4 Pipelines
- 5 Triggers

{;}





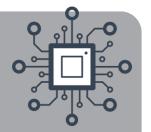


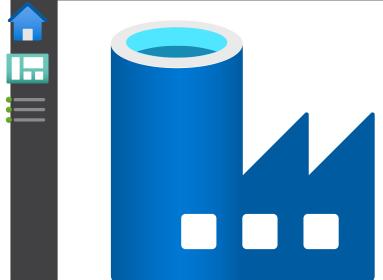


```
"name": "TrainingKeys01",
    "type": "Microsoft.DataFactory/factories/linkedservices",
    "properties": {
        "annotations": [],
        "type": "AzureKeyVault",
        "typeProperties": {
            "baseUrl": "https://TrainingKeys01.vault.azure.net/"
}}}
    "name": "traininglake01",
    "properties": {
        "typeProperties": {
            "accountKey": {
                "type": "AzureKeyVaultSecret",
                "store": {
                    "referenceName": "TrainingKeys01",
                    "type": "LinkedServiceReference"
}}}
    "name": "LakeFiles",
    "properties": {
        "linkedServiceName": {
            "referenceName": "traininglake01",
            "type": "LinkedServiceReference"
```



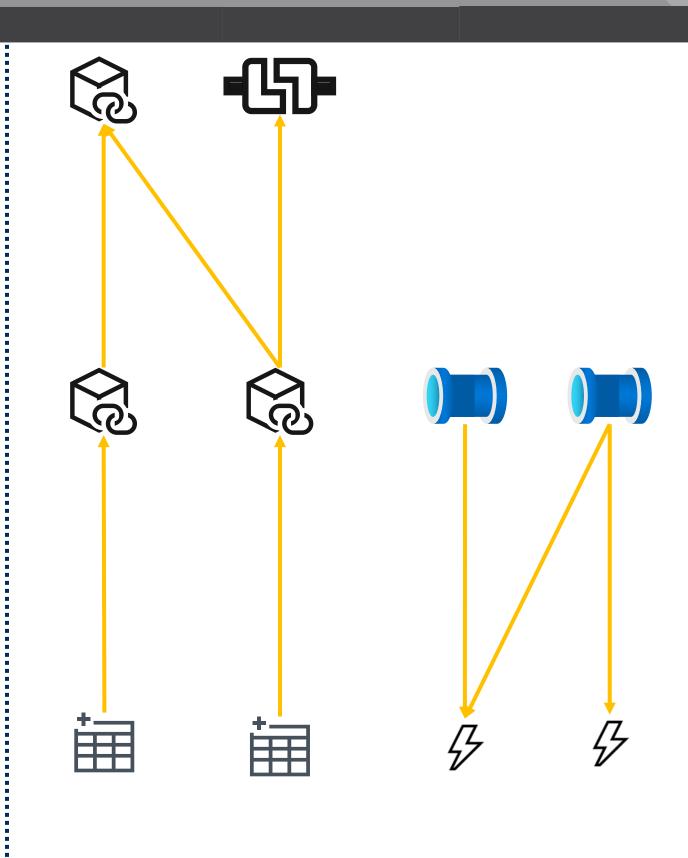
Reference Names





- 1 Linked Services
- 2 Datasets
- 3 Activities
- 4 Pipelines
- 5 Triggers

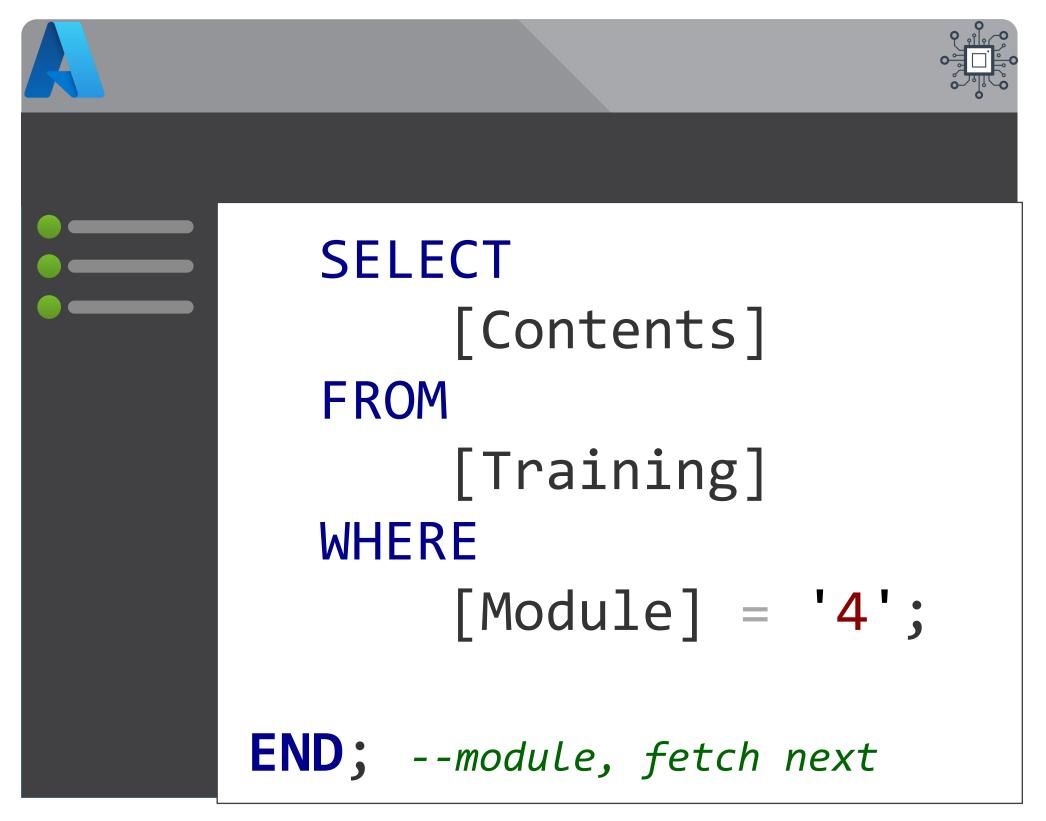




Reference Names cannot be dynamic.

- Not at development time.
- Not at runtime.
- At deployment time if being careful.

They are used internally by Data Factory to validate artifact dependencies.



- Expressions & Interpolation
- Simple Metadata Driven Execution
- Dynamic Content Chains
- Reference Names