IMPLEMENTING FLOWLETS

MODULE 8

SECTION 1

INTRODUCTION

INTRODUCTION

Overview of Flowlets

- *A reusable data flow that can be used in other pipelines*
- *Prevents logic duplication*

CONCEPT

01

IMPLEMENTATION

02

- *Can be implemented from scratch*
- *Can be implemented from an existing data flow*

03

DESIGN AND VALIDATION

- *Design is similar to mapping data flows*
- *Input, Output and debugging of a flowlet are different*
- *Test data input for debugging flowlets*

SCENARIOS

SCENARIOS

Common Use Cases for Flowlets

DEDUPLICATION

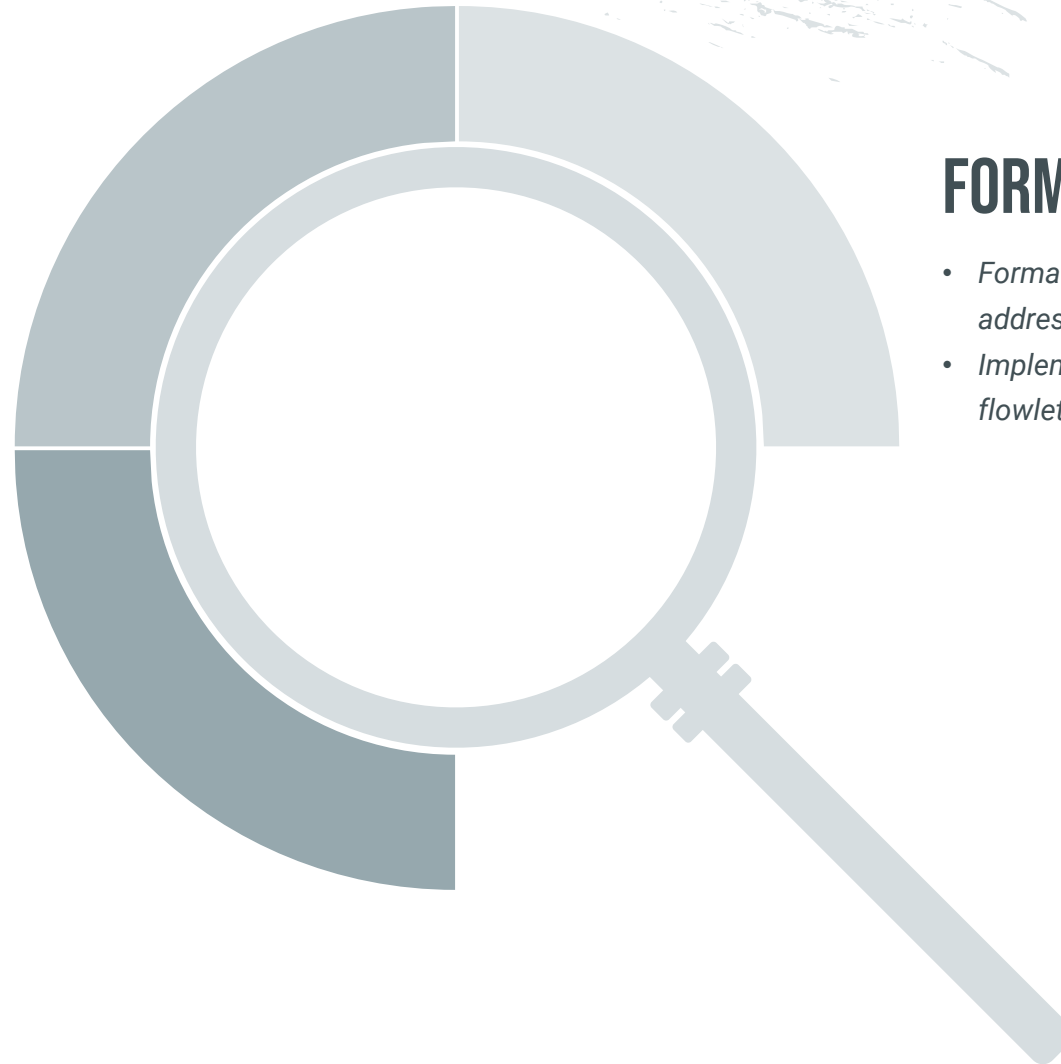- Removing duplicates is a common operation within a project
- Deduplication flowlet provides reusability within the project

FORMATTING

- Formatting operations such as - string trimming, address cleansing are a common need
- Implementing common formatting operations as a flowlet ensures reusability

VALIDATIONS

- Checking for nulls or specific data criteria is a common need
- Implementing common validation rules as a flowlets prevents logic duplication

USER INTERFACE

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Overview of Flowlet User Interface

Screencast

Show how to create a flowlet (where the menu is)

Show how to convert an existing data flow into a flowlet (show where the menu is)

Show where the flowlet is in the factory resources once it is created

Create a simple flowlet to trim a string

Show how to debug the flowlet

Point out the difference in the debug how to provide input data and that the preview is not available

Show how the flowlet can be used in a data flow

IMPLEMENTATION

IMPLEMENTATION

Implementing and Using the Flowlet

Screencast

Explain the use case by showing the data and where the nulls are

Explain that we could encounter this for other data fields

Show how to implement the flowlet

Show how to input test data and debug the flowlet

Show how to add the flowlet to a dataflow

MODULE SUMMARY

In this module we learnt

OVERVIEW

We got an overview of Flowlets

We took a look at the user interface of Flowlets

SCENARIOS

We learnt about the typical use cases where flowlets are used

HANDS-ON

We learnt how implement and use a flowlet

REFERENCES

Flowlets

https://learn.microsoft.com/en-us/azure/data-factory/concepts-data-flow-flowlet