

# INTRODUCTION TO AZURE DATA FACTORY

1

## WHY?

Business case for Azure Data Factory

2

## WHAT?

What is Azure Data Factory

3

## SO?

What are the benefits of Azure Data Factory

4

## AZURE ACCOUNT

Sign up for an Azure Account

5

## USER INTERFACE

Understand the Azure Portal Interface



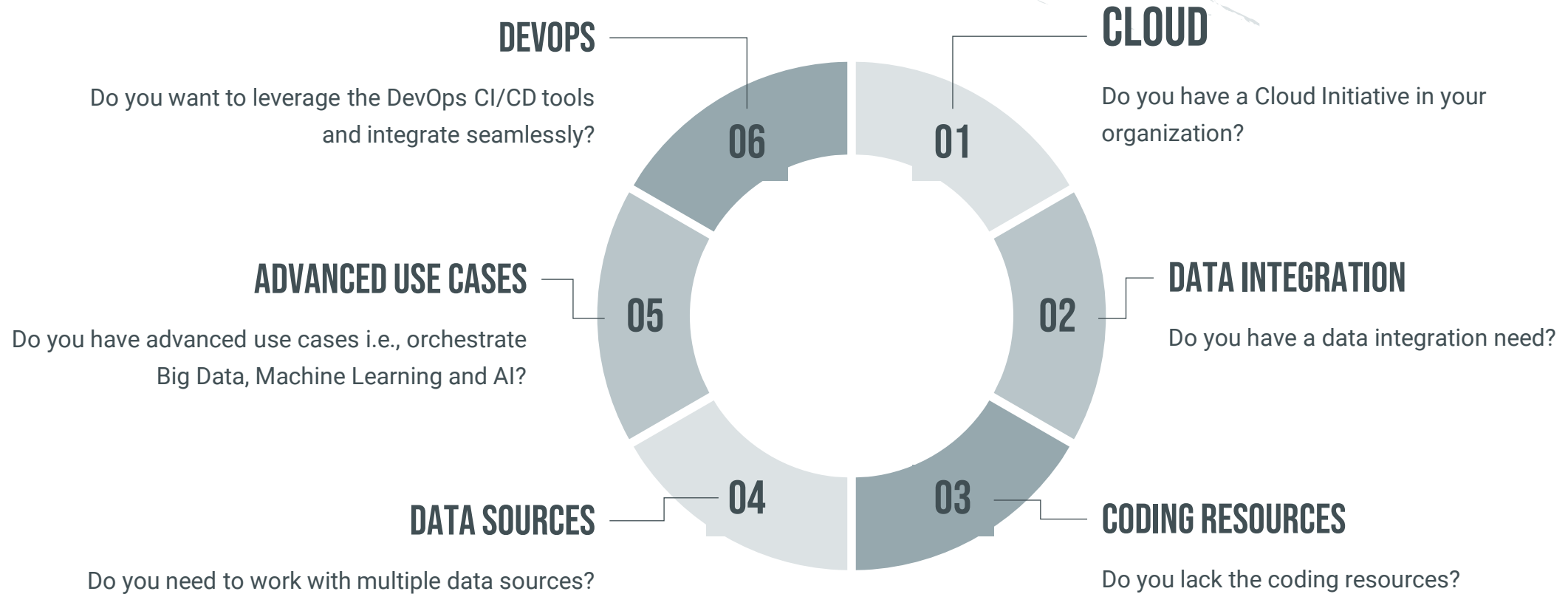
SECTION 1

# WHY AZURE DATA FACTORY?

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# WHY?

## Why Azure Data Factory?





SECTION 2

# WHAT IS AZURE DATA FACTORY?

# WHAT?

*What is Azure Data Factory?*

*Managed service in the cloud for scale-out serverless data integration, data transformation and orchestration*

## MANAGED SERVICE IN THE CLOUD

*software is fully managed by Microsoft i.e., we don't bother about the upgrades, etc.*

## SERVERLESS SOLUTION

*data integration solution that is completely cloud based and requires no on-premise assets*

01

02

03

## SCALE-OUT

*ability to scale compute and storage resources on demand*



SECTION 3

**SO, WHAT ARE THE BENEFITS?**

# SO?

*What are the benefits of Azure Data Factory?*

## DATA TRANSFORMATION

*Code free visual transformations run on Spark*

## ORCHESTRATION

*Flexible and rich pipeline orchestration*

## DATA INTEGRATION

*Cloud, Hybrid , Over 100+ connectors (ability to integrate disparate data sources)*

*It is a powerful data integration tool with no-code data transformation capabilities that provides rich orchestration capabilities*



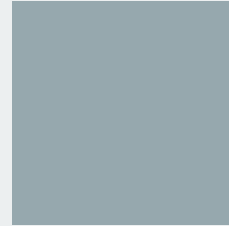
# SO?

*What are the benefits of Azure Data Factory?*

*...and there's more*

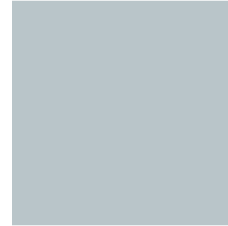
## INTEGRATE EXTERNAL SERVICES

*Azure HDInsight Hadoop, Azure Databricks, etc. for complex transformations*



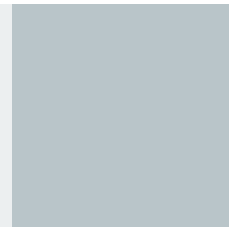
## YOUR LANGUAGE

*Code in your favourite language – Python, SQL, Scala, R*



## PUBLISH & MONITOR

*Integration with AzureDevOps, Visual Monitoring tools*



## LIFT & SHIFT

*Bring your SSIS packages into a managed cloud environment*







## SECTION 4

# AZURE ACCOUNT

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# AZURE ACCOUNT

*Creating your Azure Account*

Screencast

How to create an Azure account



SECTION 5

# USER INTERFACE

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# USER INTERFACE

## *Understanding the Azure Portal*

### **What we learnt?**

- *Getting familiar with the Azure Portal*
- *Understanding the Azure Terminology*
- *Creating a Resource Group and a Resource*
- *Deleting the Resource Group*

# MODULE SUMMARY

In this module we learnt



## OVERVIEW

Why we need Azure Data Factory and what is Azure Data Factory.



## BENEFITS

We got an understanding of the benefits of Azure Data Factory.

We got an insight into what services are available within Azure.



## HANDS-ON

Creating an Azure Account.

Getting familiar with the Azure Portal and learning how to create a resource group and a resource.

# REFERENCES

Creating an Azure Account

[Create Your Azure Free Account Today | Microsoft Azure](#)

Azure fundamental concepts

[Azure fundamental concepts - Cloud Adoption Framework | Microsoft Learn](#)

Introduction to Azure Data Factory

[Introduction to Azure Data Factory - Azure Data Factory | Microsoft Learn](#)