



Journey PPT

Shell Training Bootcamp (August 14 to October 6, 8 weeks)

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Safety and Health On Site



Ensure confidential discussions are not overheard



Make sure your workspace is ergonomically sound



Ensure adequate lighting in the room when you work



Clean surfaces frequently



Have an emergency and evacuation plan in place



Ensure understanding of fire safety

- Know what the fire alarm sounds like
- Make sure that you can hear the fire alarm
- Make sure your smoke alarms work
- Maintain clear walkways and fire exits

On the Move



Do not take this call, or any other call, while driving – ever



Do not use any hands-free device – Bluetooth, built-in, etc. – whilst driving



Continue to follow COVID guidelines



In the event of any kind of emergency, please leave the call – promptly and safely

A large, stylized yellow sunburst or shell-like graphic on the left side of the slide, with multiple concentric layers of varying shades of yellow and white. The central white area contains the text for Week 4.

Week 4

(Sep 4 – Sep 8)

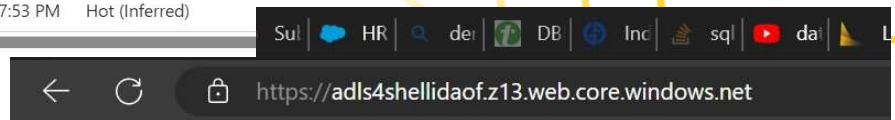
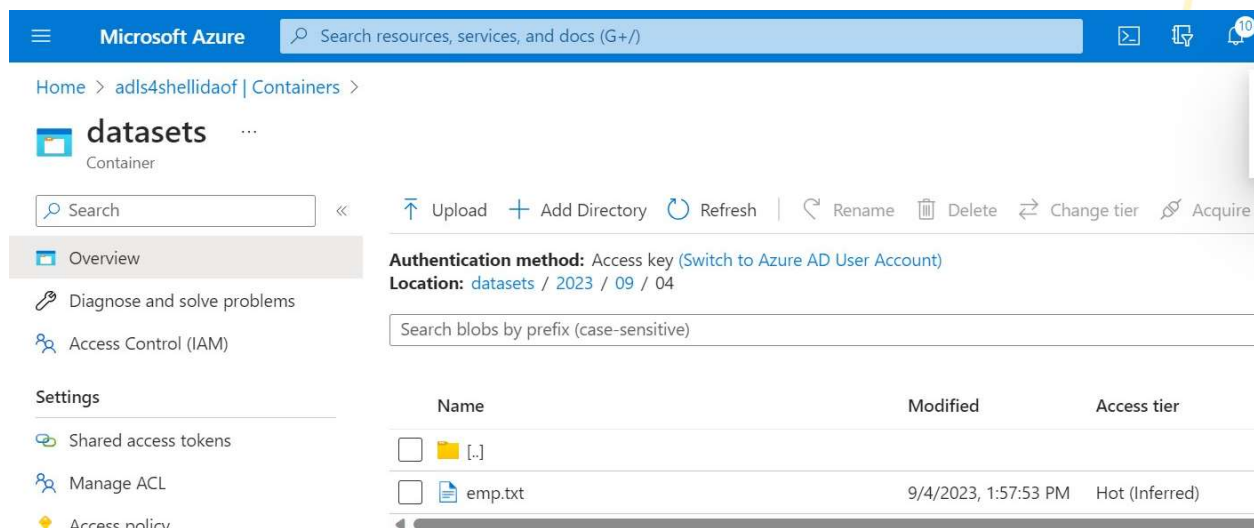
01 Azure Storage

02 Azure Data Factory

4.1 Basics of Azure Storage

Learnt about the following:

1. Azure Storage: Accounts, Redundancy Options, Storage Tiers
2. Blob Storage, Azure Data Lake Storage (ADLS) Gen2, Containers, File Share, Queue, Table
3. Hosting a static website



Azure Storage Static Website

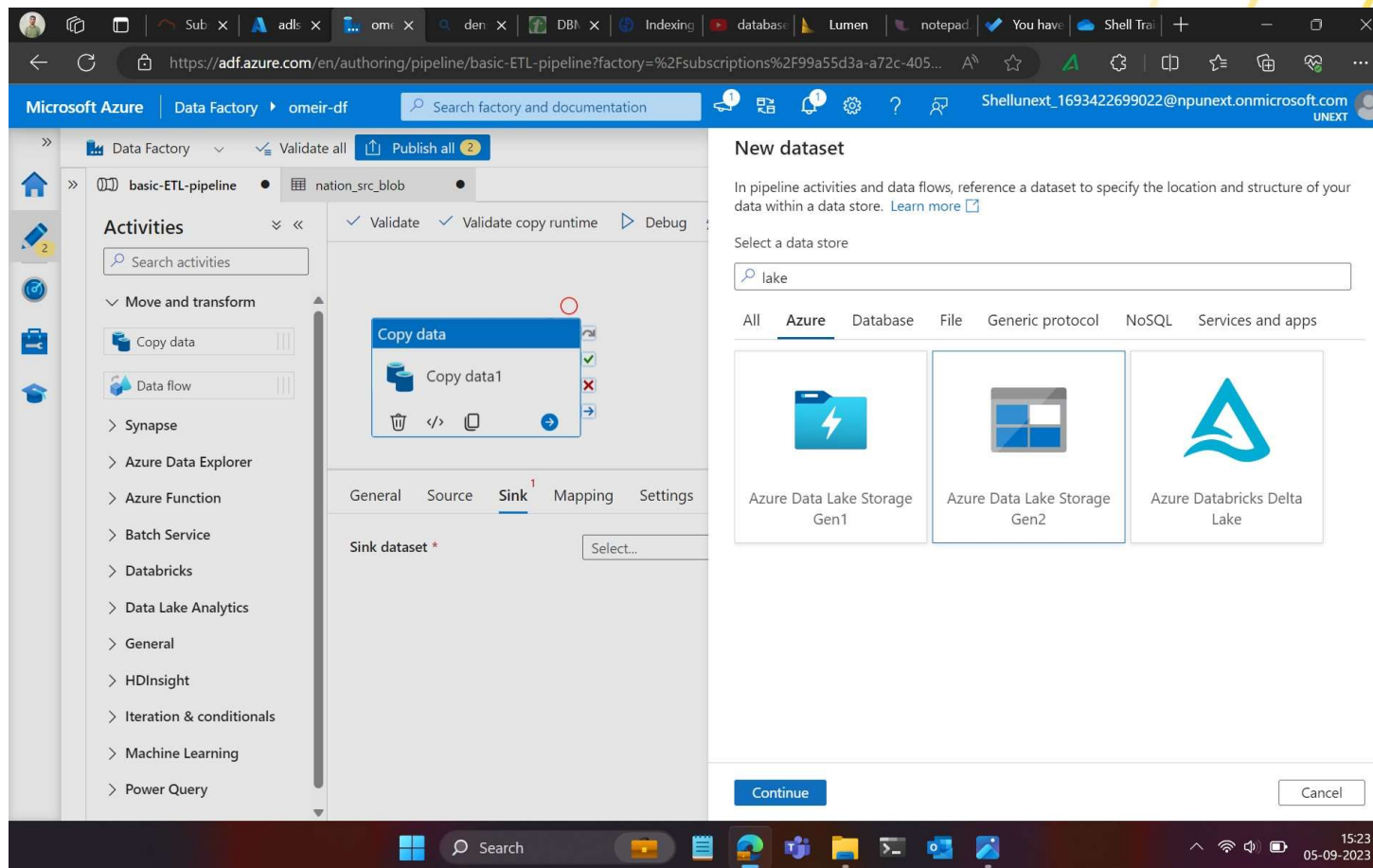
A static website hosted on Azure Storage

Made by Omeir Fawaz, as part of Shell Training Bootcamp

4.2 Basics of Azure Data Factory

Learnt about the following:

1. Introduction to ADF, datasets, pipelines



4.3 Components of Azure Data Factory

Learnt about the following:

1. Copy Data Flow Activity, Linked Services, Source and Sink, Get Metadata Activity
2. Filter Activity, If, Wait, For Each Activities

The screenshot displays the Azure Data Factory (ADF) portal interface. The top navigation bar shows the 'Data Factory' tab and the 'pipeline1' selected. The left sidebar contains the 'Activities' panel, which is currently showing the 'Get Metadata' activity. The main canvas displays a pipeline diagram with a 'Get Metadata' activity connected to a 'ForEach' activity. The 'Get Metadata' activity is selected, and its output is shown in a pop-up window. The output is a JSON array of child items, including 'customer.csv' and 'lineitem.csv'. The pipeline status is 'Succeeded'.

```
Output
```

```
{
  "childItems": [
    {
      "name": "customer.csv",
      "type": "File"
    },
    {
      "name": "lineitem.csv",
      "type": "File"
    }
  ]
}
```

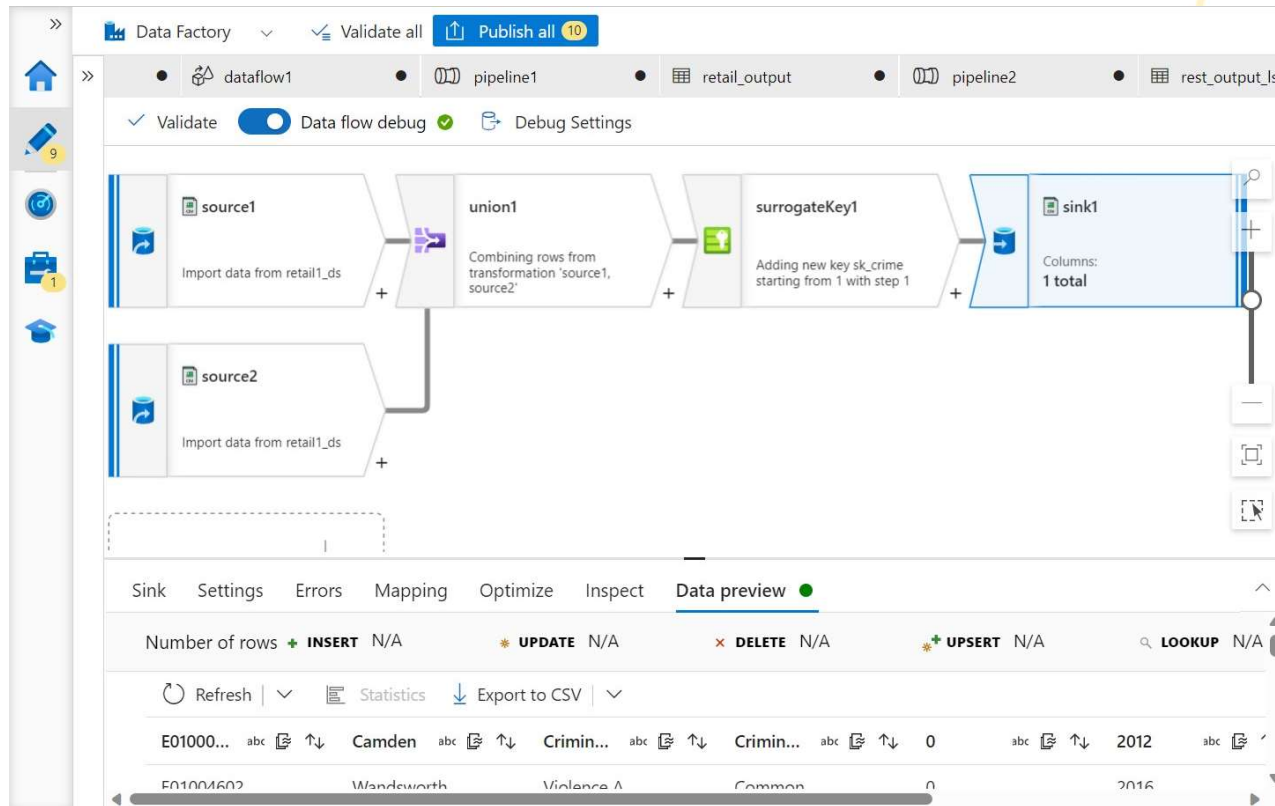
Pipeline status: Succeeded

Activity	Status	Duration	Integration runtime	User properties	Act
Get Metadata1	Succeeded	9/7/2023, 2:05:54 PM	14s	AutoResolveIntegration	c7e

4.4 Components of Azure Data Factory

Learnt about the following:

1. Transformations: Source, Sink, Surrogate Key, Conditional Split, Derived Column
2. API-based integration, authentication and authorization



4.5 Components of Azure Data Factory

Learnt about the following:

1. Change Data Capture, data synchronization
2. Moving data from CSV to Database with CDC
3. Monitoring

The screenshot displays the Azure Data Factory portal interface. The top navigation bar includes the Microsoft Azure logo, the Data Factory name 'omeir-df', and a search bar. The left sidebar shows the 'Factory Resources' tree with categories like Pipelines, Change Data Capture (preview), Datasets, Data flows, and Power Query. The main workspace shows a data flow pipeline named 'pipeline1' with a source 'source1' (Import data from superstore_src) and a sink 'superstoretable' (Columns: 24 total). The 'Data preview' tab is active, showing a table of data with columns: ID, OrderID, Order..., ShipD..., ShipM..., Custo..., and Rick H... The table contains 5 rows of data.

ID	OrderID	Order...	ShipD...	ShipM...	Custo...	Rick H...
32298	CA-20...	NULL	NULL	Same ...	RH-19...	Rick H...
26341	IN-201...	NULL	NULL	Secon...	JR-162...	Justin ...
25330	IN-201...	NULL	NULL	First Cl...	CR-127...	Craig R...
13524	ES-201...	NULL	NULL	First Cl...	KM-16...	Katheri...
47221	SG-201...	NULL	NULL	Same ...	RH-9495	Rick H...