Journey PPT

Shell Training
Week 3 – 04/9/2023 to 08/9/2023

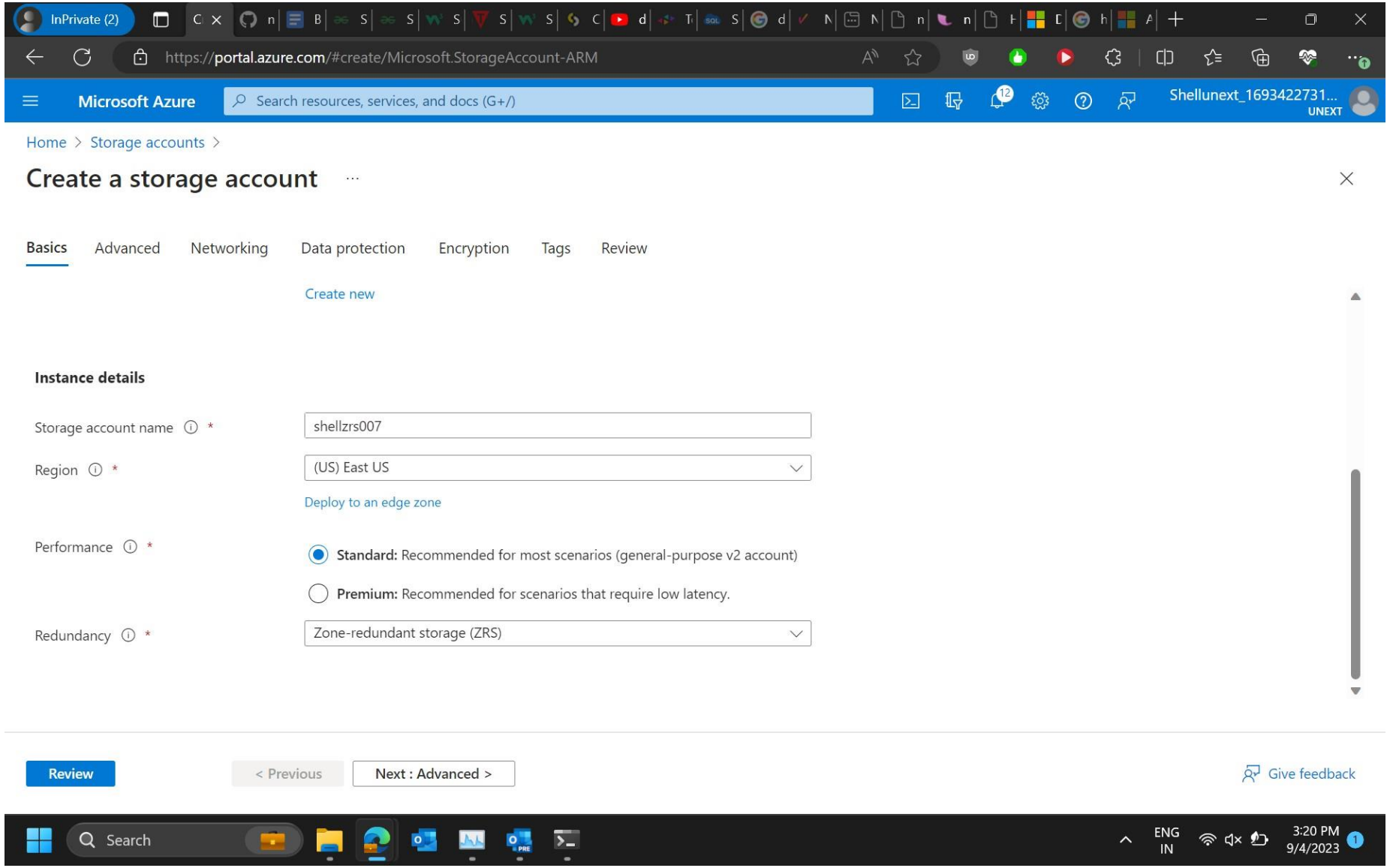
Gaurav Singh
Associate Data Engineer

Day 1 -

- Introduction to Azure Storage
- Benefits of Azure Storage
- Azure Storage data services
- Review options for storing data in Azure
- Creating a Container
- Blob Configuration
- Azure Storage Security

Day 2 -

- Azure File Storage
- Table & Queue Storage
- Azure Disk Storage
- Storage Monitoring
- Storage Resource Tools

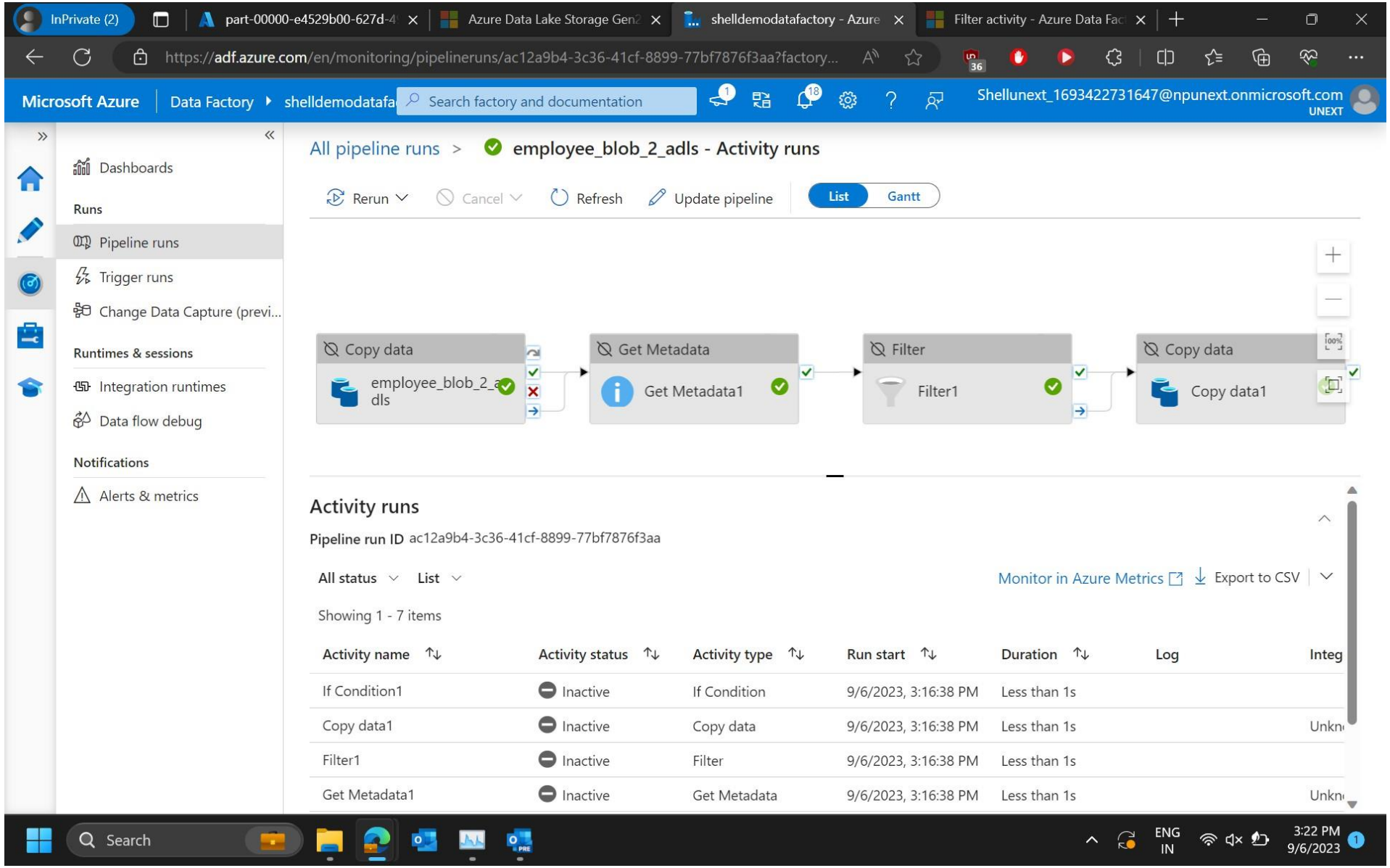

InPrivate (2)
https://portal.azure.com/#create/Microsoft.StorageAccount-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422731...
UNEXT
Home > Storage accounts >
Create a storage account
Basics
Advanced
Networking
Data protection
Encryption
Tags
Review
Create new
Instance details
Storage account name *
shellzrs007
Region *
(US) East US
Deploy to an edge zone
Performance *
Standard: Recommended for most scenarios (general-purpose v2 account)
Premium: Recommended for scenarios that require low latency.
Redundancy *
Zone-redundant storage (ZRS)
Review
< Previous
Next : Advanced >
Give feedback
Search
ENG
IN
3:20 PM
9/4/2023

Day 3 -

- Azure Data Lake
- Input Datasets
- Pipeline
- Output Datasets
- Linked Services

Day 4 -

- Control Flow Activity
- Get Metadata Activity
- Filter Activity
- Copy Data
- ForEach Loop
- If Condition
- Parameterization
- Derived Column
- Join
- Conditional Split
- Assessment / MCQ Quiz


InPrivate (2)
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Azure Data Lake Storage Gen2
shelldemodatafactory - Azure
Filter activity - Azure Data Fac
https://adf.azure.com/en/monitoring/pipelineruns/ac12a9b4-3c36-41cf-8899-77bf7876f3aa?factory...
Microsoft Azure
Data Factory
shelldemodatafa
Search factory and documentation
Shellunext_1693422731647@npunext.onmicrosoft.com
UNEXT
Dashboards
Runs
Pipeline runs
Trigger runs
Change Data Capture (previ...
Runtimes & sessions
Integration runtimes
Data flow debug
Notifications
Alerts & metrics
All pipeline runs > employee_blob_2_adls - Activity runs
Rerun
Cancel
Refresh
Update pipeline
List
Gantt
Copy data
employee_blob_2_adls
Get Metadata
Get Metadata1
Filter
Filter1
Copy data
Copy data1
Activity runs
Pipeline run ID ac12a9b4-3c36-41cf-8899-77bf7876f3aa
All status
List
Monitor in Azure Metrics
Export to CSV
Showing 1 - 7 items
Activity name
Activity status
Activity type
Run start
Duration
Log
Integ
If Condition1 Inactive If Condition 9/6/2023, 3:16:38 PM Less than 1s
Copy data1 Inactive Copy data 9/6/2023, 3:16:38 PM Less than 1s
Filter1 Inactive Filter 9/6/2023, 3:16:38 PM Less than 1s
Get Metadata1 Inactive Get Metadata 9/6/2023, 3:16:38 PM Less than 1s
Search
ENG
IN
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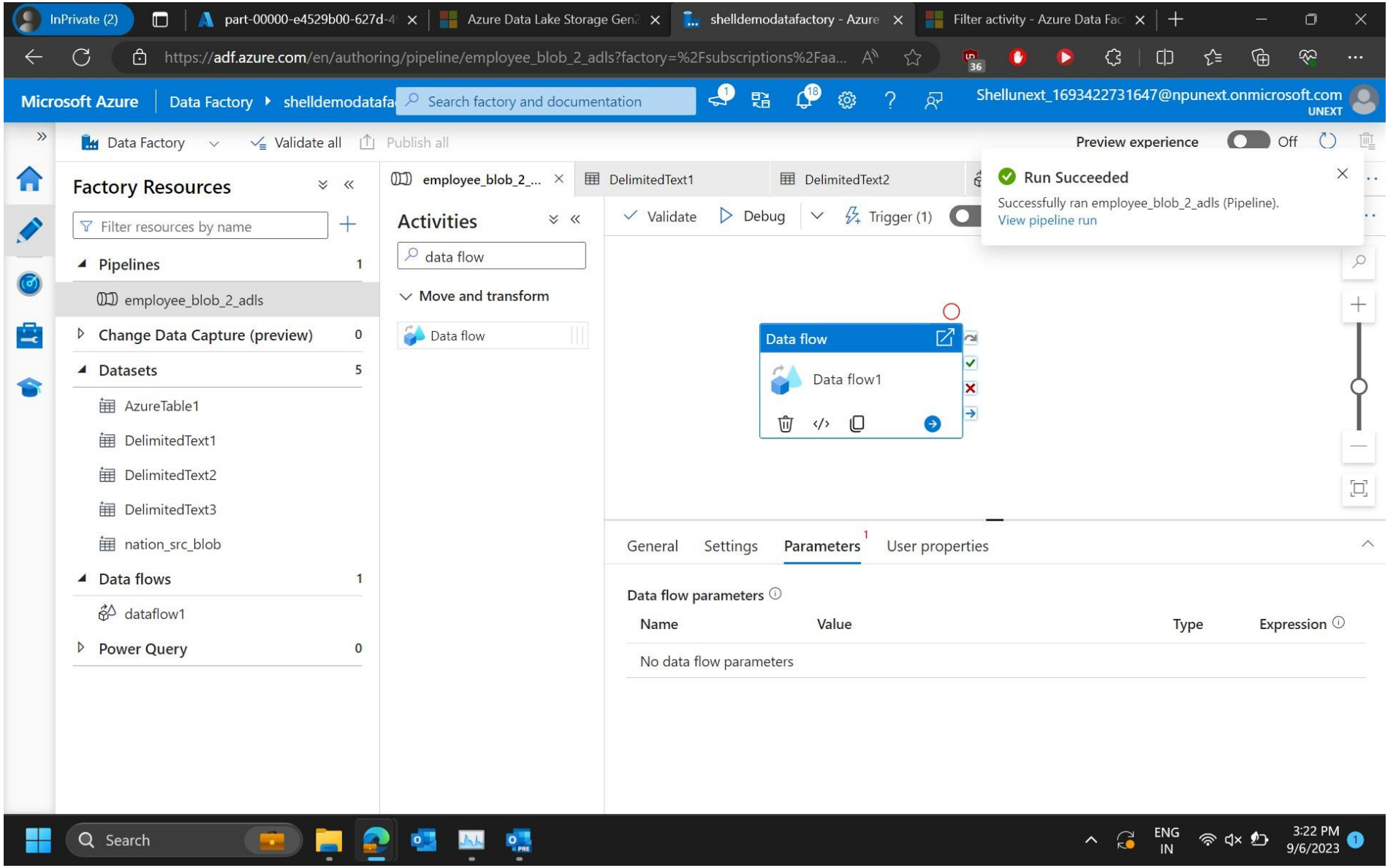
9/6/2023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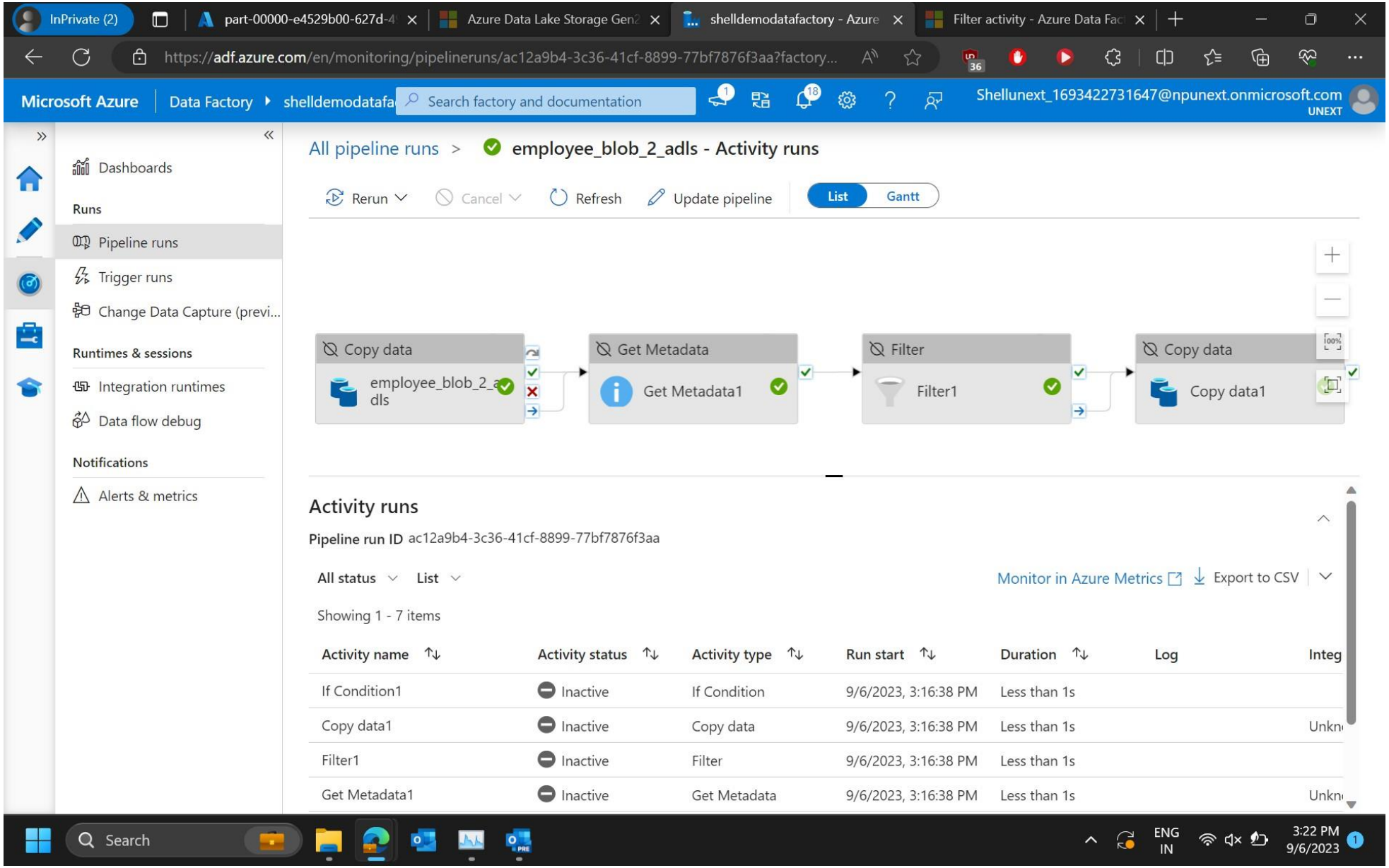
UNEXT
Data Factory
Validate all
Publish all
Preview experience
Off
Factory Resources
Filter resources by name
Pipelines 1
employee_blob_2_adls
Change Data Capture (preview) 0
Datasets 5
AzureTable1
DelimitedText1
DelimitedText2
DelimitedText3
nation_src_blob
Data flows 1
dataflow1
Power Query 0
employee_blob_2_...
DelimitedText1
DelimitedText2
Activities
data flow
Move and transform
Data flow
Validate
Debug
Trigger (1)
Run Succeeded
Successfully ran employee_blob_2_adls (Pipeline).
View pipeline run
Data flow
Data flow1
General
Settings
Parameters 1
User properties
Data flow parameters
Name
Value
Type
Expression
No data flow parameters
Search
ENG
IN
3:22 PM
9/6/2023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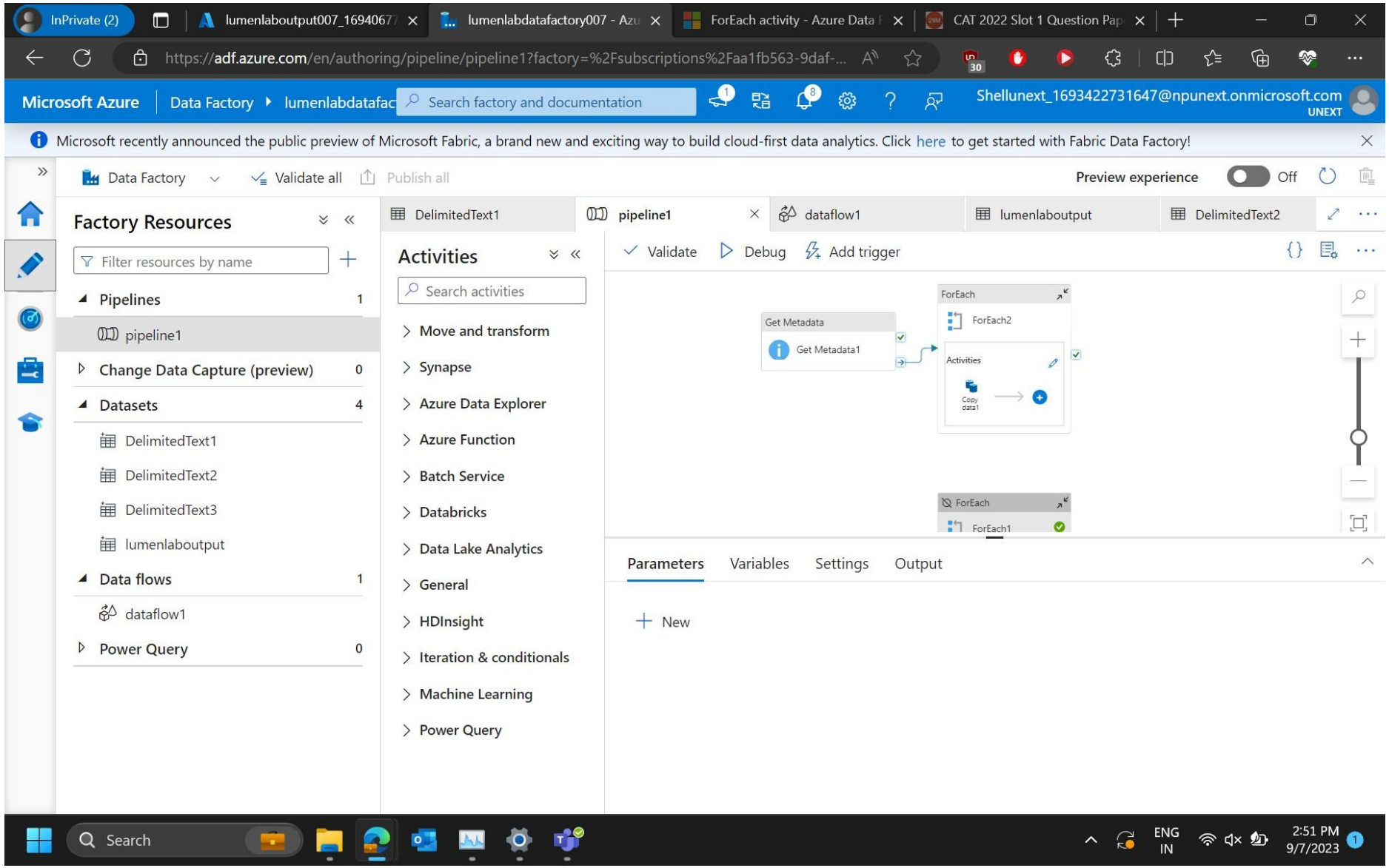
InPrivate (2)
lumenlaboutput007_1694067
lumenlabdatafactory007 - Azu
ForEach activity - Azure Data
CAT 2022 Slot 1 Question Pap
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lumenlabdatafac
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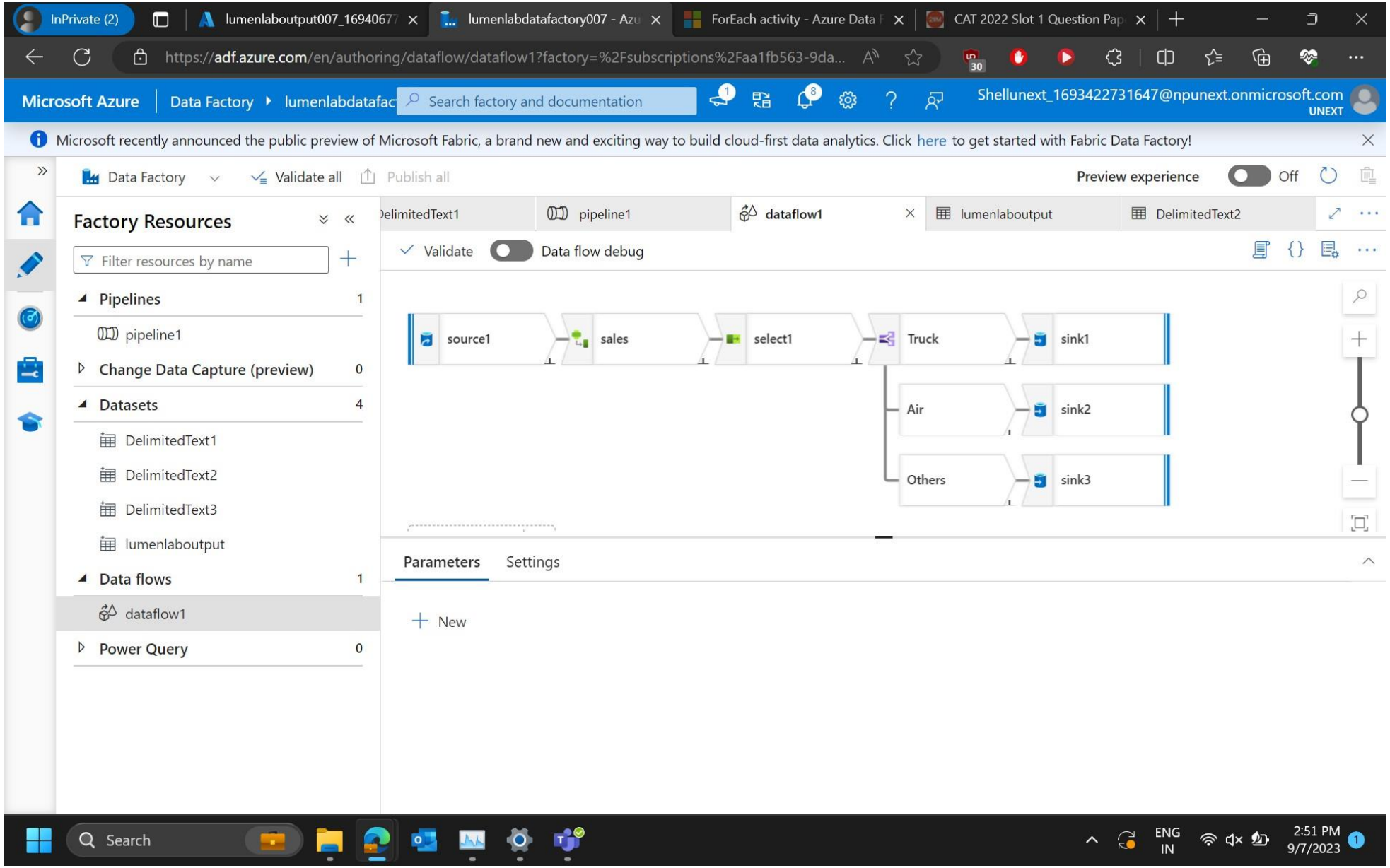
UNEXT
Microsoft recently announced the public preview of Microsoft Fabric, a brand new and exciting way to build cloud-first data analytics. Click here to get started with Fabric Data Factory!
Data Factory
Validate all
Publish all
Preview experience
Off
Factory Resources
Filter resources by name
Pipelines 1
pipeline1
Change Data Capture (preview) 0
Datasets 4
DelimitedText1
DelimitedText2
DelimitedText3
lumenlaboutput
Data flows 1
dataflow1
Power Query 0
DelimitedText1
pipeline1
dataflow1
lumenlaboutput
DelimitedText2
Activities
Search activities
Move and transform
Synapse
Azure Data Explorer
Azure Function
Batch Service
Databricks
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Validate
Debug
Add trigger
Get Metadata
Get Metadata1
ForEach
ForEach2
Activities
Copy data1
ForEach
ForEach1
Parameters
Variables
Settings
Output
New
Search
ENG
IN
2:51 PM
9/7/2023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pipeline1
dataflow1
lumenlaboutput
DelimitedText2
Validate
Data flow debug
source1
sales
select1
Truck
sink1
Air
sink2
Others
sink3
Parameters
Settings
New
Search
ENG
IN
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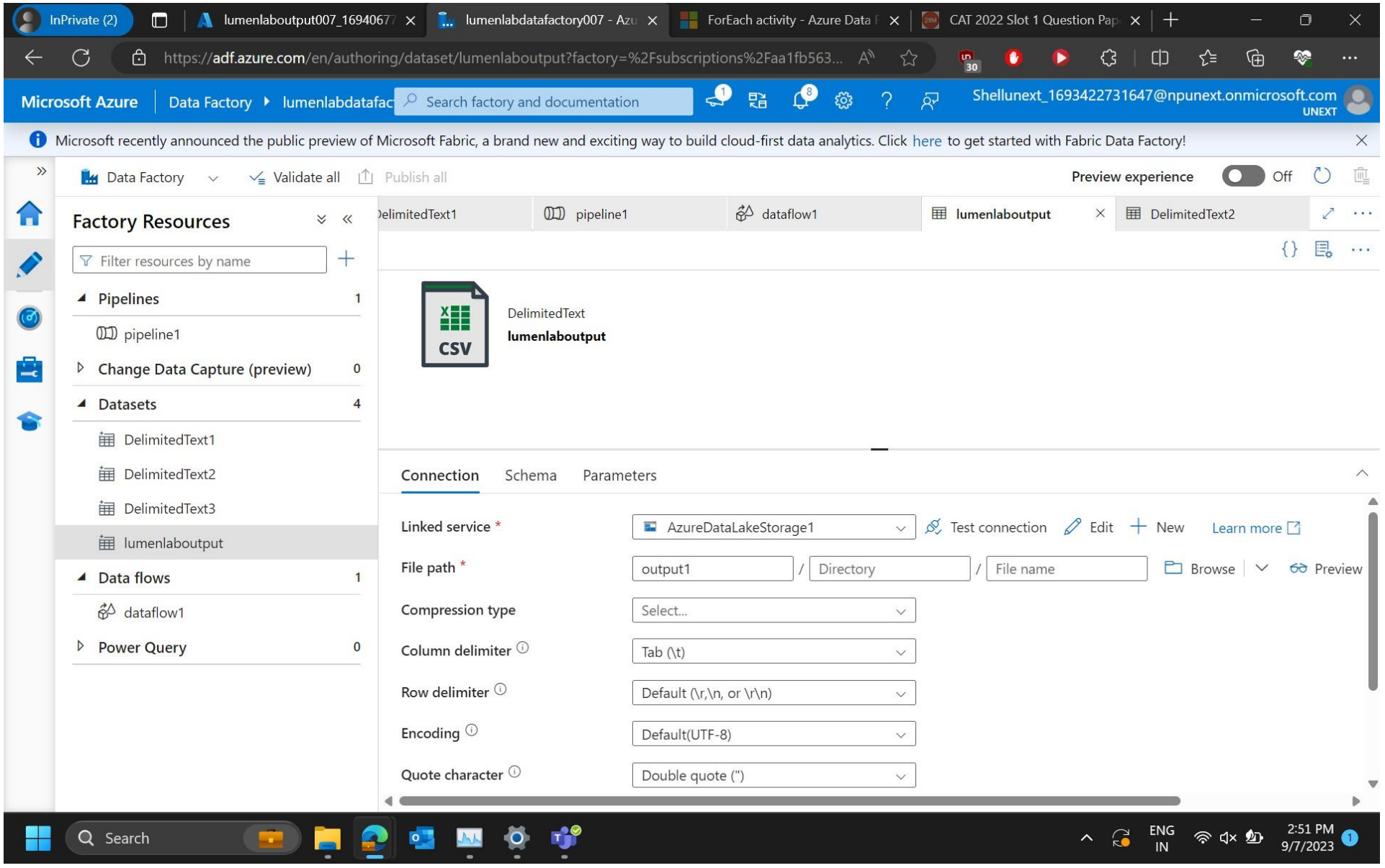
9/7/2023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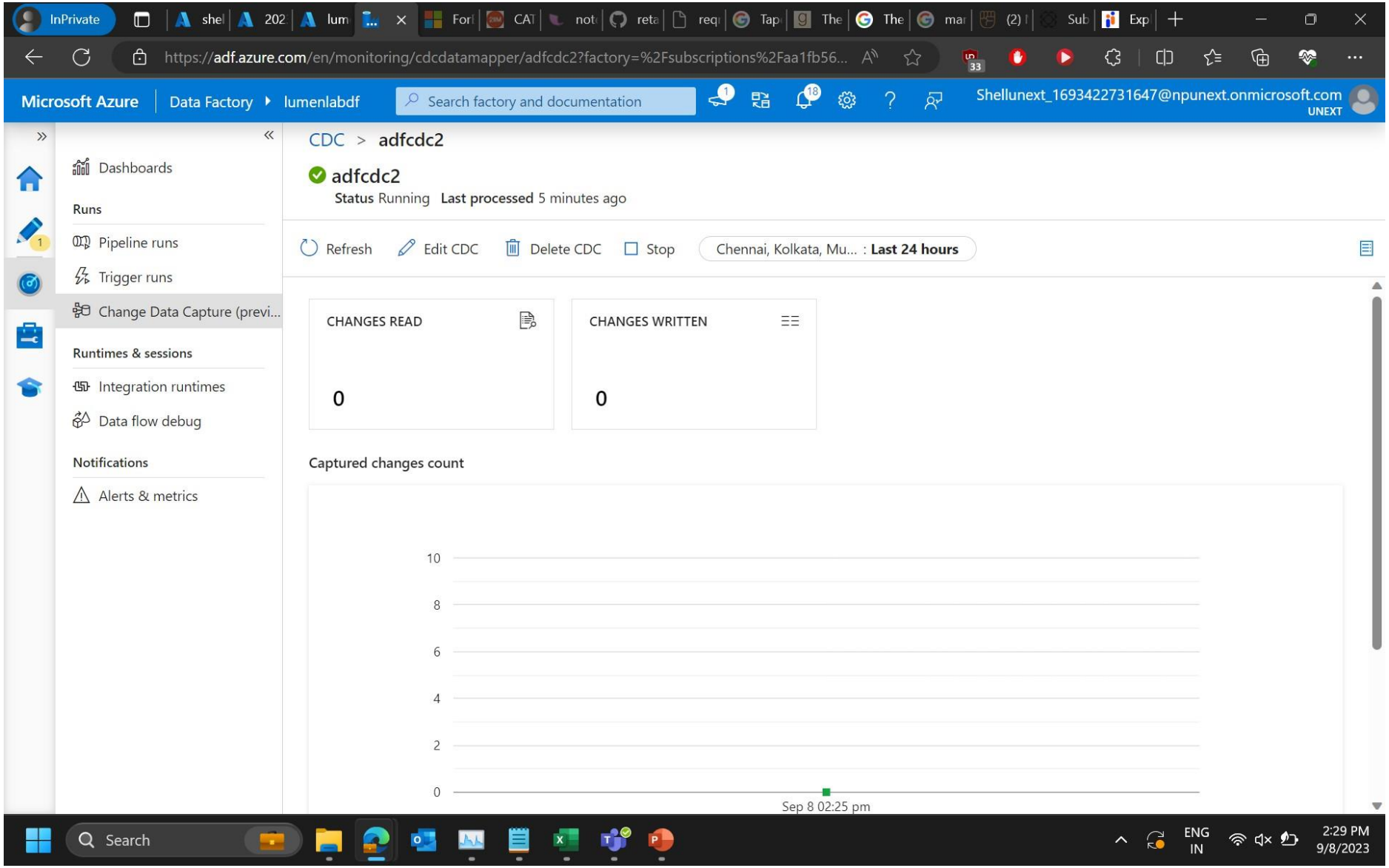
lumenlaboutput
DelimitedText2
DelimitedText
lumenlaboutput
Connection
Schema
Parameters
Linked service *
AzureDataLakeStorage1
Test connection
Edit
New
Learn more
File path *
output1
Directory
File name
Browse
Preview
Compression type
Select...
Column delimiter
Tab (\t)
Row delimiter
Default (\r,\n, or \r\n)
Encoding
Default(UTF-8)
Quote character
Double quote (")
Search
ENG
IN
2:51 PM
9/7/2023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Runtimes & sessions
Integration runtimes
Data flow debug
Notifications
Alerts & metrics
CDC > adfcdc2
adfcdc2
Status Running Last processed 5 minutes ago
Refresh
Edit CDC
Delete CDC
Stop
Chennai, Kolkata, Mu... : Last 24 hours
CHANGES READ
0
CHANGES WRITTEN
0
Captured changes count
10
8
6
4
2
0
Sep 8 02:25 pm
Search
ENG
IN
2:29 PM
9/8/2023

Day 5 -

- Mapping data flows in Azure Data Factory
- Change data capture in Azure Data Factory
- Mapping data flow Debug Mode

Thank you for your time.