

Custom Bootcamp week 2

04-09-2023 to 08-09-2023

04-09-2023

- Redundancy level while storing the data in the azure storage account.
- Locally redundancy storage in which the data will be replicated and copy of the data will be stored in the same datacenter.
- Zone redundancy storage in which the data will replicated 3 times and each copy will be placed in different zones in the same datacenter
- Geo redundant storage here totally 6 copies will be maintained and 3 copies will be stored in the each datacenter
- Tiers of the storage
- Hot – this tier will be helpful when we want to access the data very frequently
- Cool – this tier will be used when there is infrequent access to the data
- If we select the cool tier data should reside in the storage account for at least 30 days

04-09-2023

- Cold is similar to the cool tier but the data should reside in the storage account minimum for 90 days.
- If we chose the archive then data should reside in the storage account for at least 150 days.
- For azure tables azure cosmos db would be best replacement
- Azure event hub could be best replacement for the azure queue
- File share can be used to share the file with multiple users if anyone makes any changes to the data then same will be reflected in the azure file also
- We can host the static website using the azure blob storage service we have to use the index html file

05-09-2023

- Access key
- In the azure portal we can use the access key concept to give permission to others to access the azure services and this can be used to provide the access to other azure services.
- Access key is not time bounded means the access same access key can be used for until the service is running on.
- Shared access signature provide the time bounded access to services of the azure services.
- Azure key vault service can be used store the password and secure the password using the azure key vault
- ETL e

05-09-2023

- Azure data factory can be used to transform the data using the various activity available in the azure data factory
- Azure data factory is one azure service.
- Integration runtime : it basically establish the connection between the services
- Linked service: this provides the high level access to the data.
- Dataset : this provides the actual data, using this we can extract the data from any file according to the linked service selected.

06-09-2023

- Azure file share

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, and Storage Mover. Under Data storage, File shares is selected. Under Security + networking, there are tabs for Firewall rules, Network security groups, and IP firewalls. The main content area displays 'File share settings' for 'shellstorage03 | File shares'. It shows Active Directory (SMB) as Not configured, Default share-level permissions as Disabled, Soft delete as 7 days, and Maximum capacity as 5 TiB. The Security section indicates Maximum compatibility. A search bar allows searching by file share prefix. A table lists existing file shares: fileshare01, created on 9/4/2023, 2:18:55 PM, in the Transaction optimized tier, with a 5 TiB quota. The bottom navigation bar includes icons for Cloud, Search, Task View, File Explorer, Task Manager, and Start.

Name	Modified	Tier	Quota
fileshare01	9/4/2023, 2:18:55 PM	Transaction optimized	5 TiB

06-09-2023

The screenshot shows a Microsoft Edge browser window with four tabs open:

- Sign in to your account
- Connect - Microsoft Azure
- lumen login - Search
- Lumen

The main content area displays the Microsoft Azure File Share configuration for a file share named "fileshare01".

File Share Overview:

- Storage account: shellstorage03
- Resource group: RG_Storage
- Location: East US
- Primary/Secondary location: Primary: East US, Secondary: West US
- Subscription: npunext-1680262156801
- Subscription ID: 79655689-ee06-486f-b131-c86

Properties:

- Size:**
 - Maximum capacity: 5 TiB
 - Used capacity: 5 KiB
 - Tier: Transactional
- Performance:**
 - Maximum IO/s: 1000

Connect:

Authentication method:
 Active Directory
 Storage account key

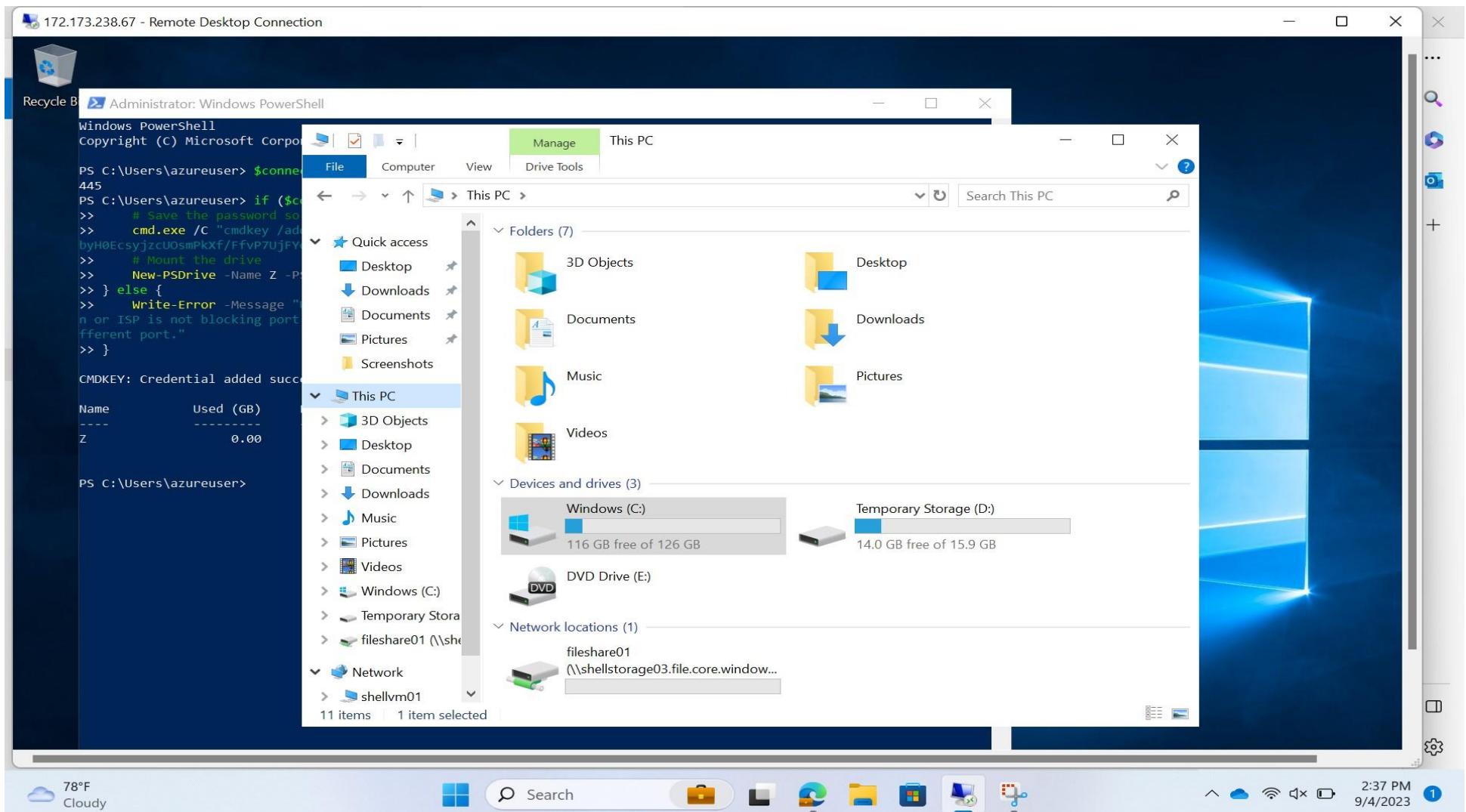
Connecting to a share using the storage account key is only appropriate for admin access. Mounting the Azure file share with the Active Directory identity of the user is preferred.
[Learn more](#)

Hide Script

```
$connectTestResult = Test-NetConnection -ComputerName shellstorage03.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:\"shellstorage03.file.core.windows.net\" /user:\"localhost\shellstorage03\" /pass:\"W4nnmbyH0EcsjzcUOsmPkXf/FfvP7UjFYoHOfir10m3DHLGdieMT/ziezkAUS
    toHjfUFgMTyi+AStYLiaMA==`"""
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
    "\shellstorage03.file.core.windows.net\fileshare01" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via port 445.
    Check to make sure your organization or ISP is not blocking port 445, or use Azure
    P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic over a different
    port."
}
```

At the bottom of the browser window, the taskbar shows the date and time as 2:39 PM 9/4/2023.

06-09-2023



06-09-2023

The screenshot shows a Microsoft Edge browser window with four tabs open:

- Sign in to your account
- fileshare01 - Microsoft Azure
- lumen login - Search
- Lumen

The main content area displays the Microsoft Azure portal interface for the fileshare01 resource. The left sidebar shows navigation options like Home, Overview, Diagnose and solve problems, Access Control (IAM), Browse, Operations (selected), Snapshots (selected), and Backup.

The right pane shows the "fileshare01 | Snapshots" page for an SMB file share. It includes a search bar, buttons for "Add snapshot", "Refresh", and "Delete", and a table listing four snapshots:

Name	Date created	Initiator	Comment
2023-09-04T09:15:33.0000000Z	9/4/2023, 2:45:33 PM	Manual	first snapshot
2023-09-04T09:27:28.0000000Z	9/4/2023, 2:57:28 PM	Manual	changed vm
2023-09-04T09:28:27.0000000Z	9/4/2023, 2:58:27 PM	Manual	bootcamp

The taskbar at the bottom shows system icons for weather (77°F Cloudy), search, file explorer, and other applications, along with the date and time (3:01 PM 9/4/2023).

07-09-2023

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Subscription', 'shellstorage0001', 'shelldatafact...', 'Transform da...', 'delete activit...', and a '+' button. The main title is 'Microsoft Azure' with a search bar. Below it, the breadcrumb navigation shows 'Home > shellstorage0001_1693978407204 | Overview >'. The left sidebar lists 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Access Control (IAM)', 'Data migration', 'Events', and 'Storage browser'. Under 'Data storage', there are links for 'Containers', 'File shares', 'Queues', and 'Tables'. Under 'Security + networking', there is a 'Networking' link. The main content area displays the 'shellstorage0001' storage account details. The 'Essentials' section shows the following properties:

Property	Value
Resource group (move)	: RG_shell
Location	: East US
Subscription (move)	: npunext-1680262156801
Subscription ID	: 79655689-ee06-486f-b131-c8697b3e0096
Disk state	: Available
Performance	: Standard
Replication	: Locally-redundant storage (LRS)
Account kind	: StorageV2 (general purpose v2)
Provisioning state	: Succeeded
Created	: 9/6/2023, 11:03:44 AM

The 'Properties' tab is selected, showing sections for 'Data Lake Storage' and 'Security'. The 'Data Lake Storage' section includes settings like 'Hierarchical namespace' (Enabled), 'Default access tier' (Hot), 'Blob anonymous access' (Enabled), 'Blob soft delete' (Enabled (7 days)), 'Container soft delete' (Enabled (7 days)), 'Versioning' (Disabled), and 'Change feed' (Disabled). The 'Security' section includes 'Require secure transfer for REST API operations' (Enabled), 'Storage account key access' (Enabled), 'Minimum TLS version' (Version 1.2), and 'Infrastructure encryption' (Disabled). The 'Networking' section shows 'Allow access from' set to 'All networks'.

07-09-2023

The screenshot shows the Microsoft Azure portal interface for a storage account named "shellstorage0001". The left sidebar contains navigation links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, and Storage browser. Under Data storage, "Containers" is selected. The main content area displays a table of containers with the following data:

Name	Last modified	Anonymous access level	Lease state
\$logs	9/6/2023, 11:04:07 AM	Private	Available
container01	9/6/2023, 11:04:46 AM	Container	Available

The status bar at the bottom shows the weather as 73°F Mostly cloudy, a search bar, and various system icons.

07-09-2023

The screenshot shows the Microsoft Azure Storage Container blade for 'container01'. The top navigation bar includes tabs for 'lumen login', 'Lumen', 'Subscription', 'container01', 'shelldatafact...', 'Transform da...', 'delete activit...', and several others. The main title is 'Microsoft Azure' with a search bar. Below it, the breadcrumb navigation shows 'Home > shellstorage0001_1693978407204 | Overview > shellstorage0001 | Containers > container01'. The left sidebar has sections for 'Overview', 'Diagnose and solve problems', 'Access Control (IAM)', 'Settings' (with options for 'Shared access tokens', 'Manage ACL', 'Access policy', 'Properties', and 'Metadata'), and a 'Search' bar. The main content area displays blob objects with columns for 'Name', 'Modified', 'Access tier', 'Archive status', and 'Blob type'. Two blobs are listed: 'input' and 'output'. A search bar at the bottom allows searching by prefix. The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, and various applications.

Name	Modified	Access tier	Archive status	Blob type
input				
output				

Authentication method: Access key (Switch to Azure AD User Account)
Location: container01

Search blobs by prefix (case-sensitive)

Show deleted objects

73°F Mostly cloudy

Search

File Explorer

Task View

Windows Start

Power User

File

Copy

Paste

Find

Replace

Open

Save

Print

Exit

11:05 AM
9/6/2023

07-09-2023

lumen login | Lumen | Subscription | sheldatafactory001 | sheldatafactory001 | Transform da | delete activit | +

Microsoft Azure Search resources, services, and docs (G+)

Home > Microsoft.DataFactory-20230906110553 | Overview >

shelldatafactory001

Data factory (V2)

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Managed identities

Properties

Locks

Getting started

Quick start

Monitoring

Alerts

Metrics

73°F Mostly cloudy

Subscription (move) RG_shell

Type Data factory (V2)

Status Succeeded

Location East US

Subscription (move) npunext-1680262156801

Subscription ID 79655689-ee06-486f-b131-c8697b3e0096

JSON View

Essentials

Resource group (move) RG_shell

Getting started Quick start

Azure Data Factory Studio

Launch studio

11:07 AM 9/6/2023 8

07-09-2023

The screenshot shows the Microsoft Azure Data Factory interface. The left sidebar menu is open, showing various options like General, Connections, Linked services, and Integration runtimes, with 'Integration runtimes' currently selected. The main content area is titled 'Integration runtimes' and describes it as the compute infrastructure for data integration. It shows one item listed: 'AutoResolveIntegrationR...' which is an Azure type, Public sub-type, and is currently Running. The status bar at the bottom indicates it's 11:08 AM on 9/6/2023.

Microsoft Azure | Data Factory > shelldat Search factory and documentation

Validate all Publish all

Preview experience Off

Integration runtimes

The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across different network environment.

Learn more

+ New Refresh

Filter by name

Showing 1 - 1 of 1 items

Name ↑	Type ↑	Sub-type ↑	Status ↑	Related ↑	Region ↑	Version ↑
AutoResolveIntegrationR...	Azure	Public	Running	0	Auto Resolve	---

73°F Mostly cloudy

Search

11:08 AM 9/6/2023 8

07-09-2023

The screenshot shows the Microsoft Azure Data Factory interface for configuring a dataset named 'DS_sourcedata'. The dataset is defined as a 'DelimitedText' type with a 'CSV' file extension. The 'Parameters' tab is selected, showing a single parameter named 'filename' of type 'String' with a default value of 'Value'. The interface includes a left sidebar with icons for Home, New, Delete, and other data management tasks. The top navigation bar shows the URL as https://adf.azure.com/en/authoring/dataset/DS_sourcedata?factory=%2Fsubscriptions... and the user Shellunext_1693422231860@npunext.onmicrosoft.com.

Microsoft Azure | Data Factory > shelldata | Search factory and documentation

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 > DS_sourcedata > DS_outputdata > PL_IDA_DL

Preview experience: Off

DS_sourcedata

DelimitedText
DS_sourcedata

Parameters

Name	Type	Default value
filename	String	Value

75°F Mostly cloudy

Search

11:59 AM 9/6/2023 8

07-09-2023

The screenshot shows the Microsoft Azure Data Factory interface for configuring a dataset named 'DS_sourcedata'. The top navigation bar includes tabs like 'shelldata', 'Transform', 'delete ac', 'notepad.', 'zipcodes', 'invoice_c', and a '+' icon. The main header displays the URL 'https://adf.azure.com/en/authoring/dataset/DS_sourcedata?factory=%2Fsubscriptions...' and the user 'Shellunext_1693422231860@npunext.onmicrosoft.com'.

A banner at the top informs users about the public preview of Microsoft Fabric. The left sidebar features icons for Home, Edit, Delete, and New.

The dataset 'DS_sourcedata' is listed under 'DS_outputdata' and 'PL_IDA_OL'. The 'Connection' tab is selected, showing the following configuration:

- Linked service ***: LS_Gen2
- File path ***: container01 / input / @dataset().filename
- Compression type**: Select...
- Column delimiter**: Comma (,)
- Row delimiter**: Default (\r,\n, or \r\n)
- Encoding**: Default(UTF-8)
- Quote character**: Double quote (")

The 'Schema' and 'Parameters' tabs are also visible. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 11:59 AM on 9/6/2023.

07-09-2023

The screenshot shows the Microsoft Azure Data Factory interface for configuring a dataset named 'DS_outputdata'. The dataset is defined as a 'DelimitedText' type with a 'CSV' file extension. The 'Parameters' tab is selected, showing a single parameter named 'outfile' of type 'String' with a default value field.

Microsoft Azure | Data Factory > shelldata | Search factory and documentation

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Data Factory | DS_sourcedata | DS_outputdata | PL_IDA_OL

Preview experience: Off

DelimitedText
DS_outputdata

Connection Schema Parameters

New Delete

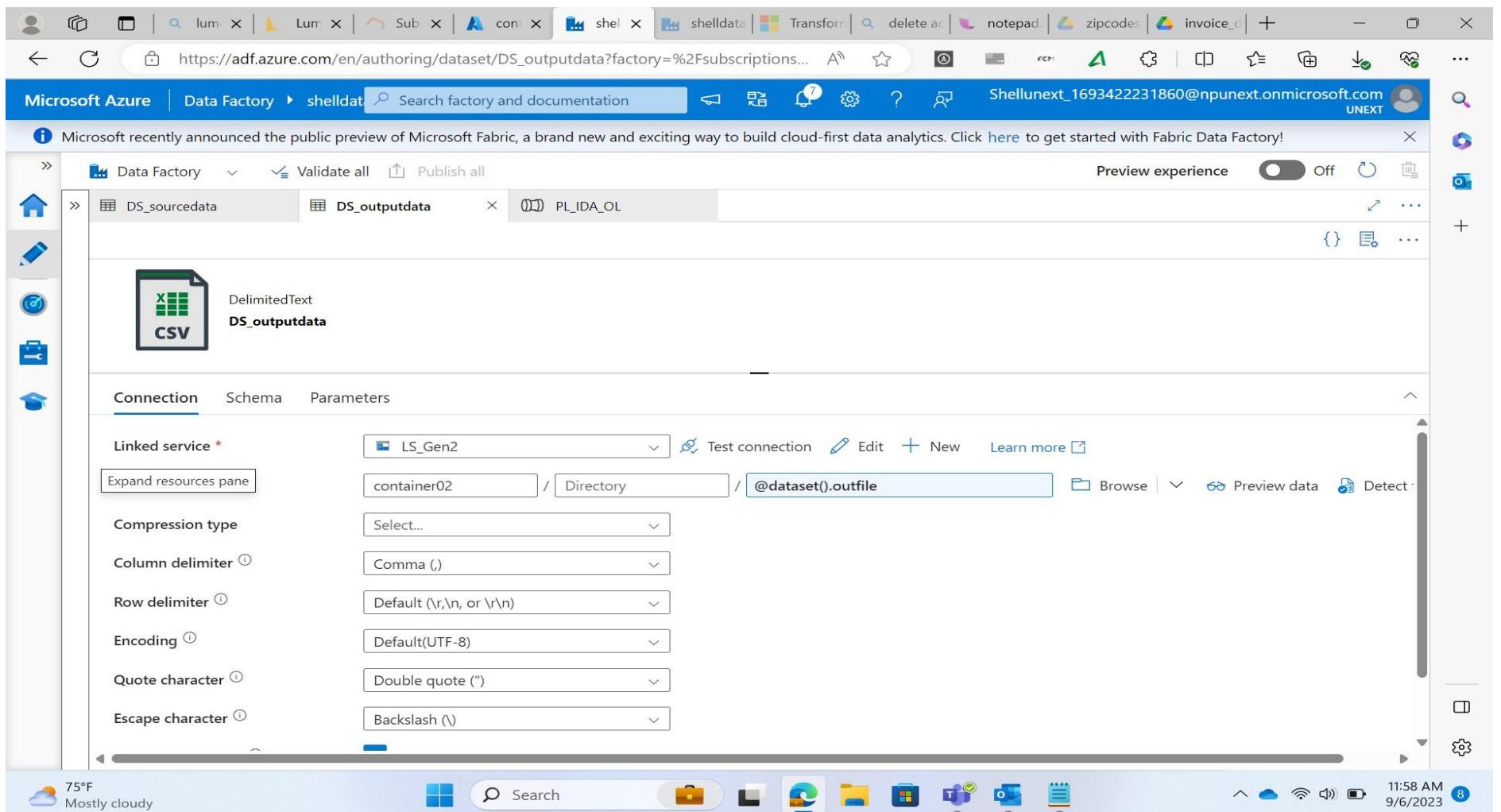
Name	Type	Default value
outfile	String	

75°F Mostly cloudy

Search

11:59 AM 9/6/2023 8

07-09-2023



The screenshot shows the Microsoft Azure Data Factory interface for configuring a dataset named 'DS_outputdata'. The dataset type is set to 'DelimitedText' and is associated with a 'CSV' file. The 'Connection' tab is selected, showing the following configuration:

- Linked service:** LS_Gen2
- Container:** container02 / Directory / @dataset().outfile
- Compression type:** Select...
- Column delimiter:** Comma (,)
- Row delimiter:** Default (\r,\n, or \r\n)
- Encoding:** Default(UTF-8)
- Quote character:** Double quote ("")
- Escape character:** Backslash (\)

The top navigation bar shows multiple tabs like 'shelldata', 'Transform', and 'Delete ac'. The status bar at the bottom indicates it's 11:58 AM on 9/6/2023.

07-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline authoring interface. The top navigation bar includes links for 'lum', 'Sub', 'shell', 'sheldata', 'Transform', 'delete ac', 'notepad', 'zipcodes', and 'invoice_c'. The main title is 'Microsoft Azure | Data Factory > sheldata'. A search bar says 'Search factory and documentation'. The top right shows the user's email 'Shellunext_169342231860@npunext.onmicrosoft.com' and 'UNEXT'. A message from Microsoft about the public preview of Microsoft Fabric is displayed. The left sidebar has icons for Data Factory, Data Flow, Pipeline, and Integration Runtime. The main workspace shows a pipeline named 'PL_IDA_OI' with three datasets: 'DS_sourcedata', 'DS_outputdata', and 'PL_IDA_OI'. A 'Copy data' activity named 'Copy data1' is selected. Below it, the 'Source' tab of the 'Copy data' activity configuration is visible. It shows the 'Source dataset' as 'DS_sourcedata', 'File path type' set to 'File path in dataset', and a parameter 'filename' set to '@pipeline().parameters.inputfile'. The bottom status bar shows the date and time as '11:59 AM 9/6/2023'.

07-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline editor interface. The top navigation bar includes tabs for 'shelldata', 'Transform', 'delete ac', 'notepad', 'zipcodes', 'invoice_d', and a '+' icon. The main title bar displays the URL https://adf.azure.com/en/authoring/pipeline/PL_IDA_DL?factory=%2Fsubscriptions%2F.... The user's email, 'Shellunext_169342231860@npunext.onmicrosoft.com', is shown in the top right corner.

The pipeline is named 'PL_IDA_DL' and consists of three stages: 'DS_sourcedata', 'DS_outputdata', and 'PL_IDA_DL'. The 'DS_sourcedata' stage has validation status: '✓ Validate' and '✓ Validate copy runtime'. The 'DS_outputdata' stage has validation status: '✓ Validate all' and 'Publish all'. The 'PL_IDA_DL' stage is currently selected.

The 'Sink' tab is active in the pipeline configuration pane. Under 'Sink dataset *', the 'DS_outputdata' dataset is selected. The 'Dataset properties' section shows a single entry: 'outfile' with the value '@pipeline().parameters.output' of type 'string'. Other sections include 'Copy behavior' (set to 'Select...'), 'Max concurrent connections' (empty), and 'Block size (MB)' (empty).

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, and other system applications. The system tray indicates a weather of 75°F, 'Mostly cloudy', the date '9/6/2023', and the time '11:59 AM'.

07-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline editor. The top navigation bar includes links for 'lum', 'Sub', 'con', 'shel', 'sheldata', 'Transform', 'delete ac', 'notepad', 'zipcodes', 'invoice_c', and '+'. The main title is 'Microsoft Azure | Data Factory > sheldata'. A banner at the top right announces the public preview of Microsoft Fabric. The left sidebar has icons for Home, Create, Monitor, Schedule, and Parameters. The main workspace shows a pipeline named 'PL_IDA_DL' with two datasets: 'DS_sourcedata' and 'DS_outputdata'. A 'Copy data' activity is selected, with its details pane open, showing a single step named 'Copy data1'. Below the activity, the 'Parameters' tab is active, displaying two parameters: 'inputfile' (String type) and 'output' (String type). The bottom status bar shows the date and time as '12:00 PM 9/6/2023'.

Microsoft Azure | Data Factory > sheldata Search factory and documentation

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Data Factory Validate all Publish all

Preview experience Off

DS_sourcedata DS_outputdata PL_IDA_DL

Validate Debug Add trigger

Copy data

Copy data1

Parameters Variables Settings Output

New Delete

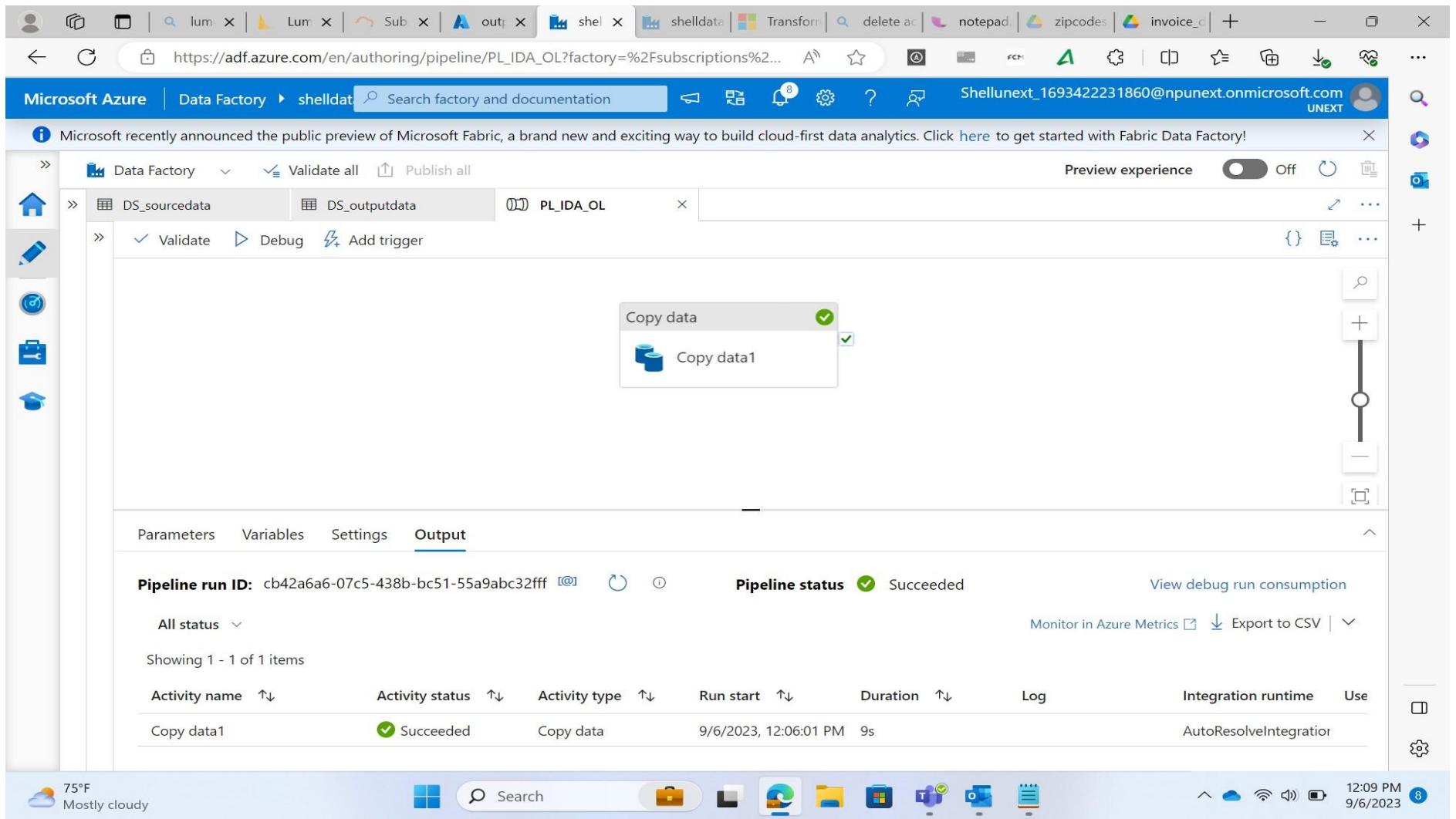
Name	Type	Default value
inputfile	String	Value
output	String	Value

75°F Mostly cloudy

Search

12:00 PM 9/6/2023

07-09-2023



The screenshot shows the Microsoft Azure Data Factory pipeline run status page. The pipeline run ID is cb42a6a6-07c5-438b-bc51-55a9abc32fff, and the Pipeline status is Succeeded. The pipeline, named PL_IDA_DL, contains one activity, "Copy data1", which also succeeded. The activity was run on 9/6/2023 at 12:06:01 PM and took 9 seconds. The pipeline interface includes tabs for Parameters, Variables, Settings, and Output, along with sections for Validate, Debug, and Add trigger. A preview experience toggle is set to Off. The browser address bar shows the URL https://adf.azure.com/en/authoring/pipeline/PL_IDA_DL?factory=%2Fsubscriptions%2... . The system tray at the bottom indicates it's 12:09 PM on 9/6/2023, with a weather icon showing 75°F and mostly cloudy.

Microsoft Azure | Data Factory > shelldata | Search factory and documentation

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Data Factory > DS_sourcedata > DS_outputdata > PL_IDA_DL

Validate all | Publish all | Preview experience: Off

Copy data

Copy data1

Parameters | Variables | Settings | Output

Pipeline run ID: cb42a6a6-07c5-438b-bc51-55a9abc32fff

Pipeline status: Succeeded

Activity name: Copy data1

Activity status: Succeeded

Activity type: Copy data

Run start: 9/6/2023, 12:06:01 PM

Duration: 9s

Log: AutoResolveIntegratio

Integration runtime: AutoResolveIntegratio

75°F Mostly cloudy

Search

12:09 PM 9/6/2023

08-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline editor interface. The pipeline, named PL_IDA_DL, consists of three activities: Copy data, Get Metadata, and Set variable, connected sequentially. The pipeline run ID is 3568113f-d349-41ac-a364-7a3e5edfae77, and the status is Succeeded. The pipeline run details table shows the status of each activity: Set variable1, Get Metadata1, and Copy data1, all of which succeeded.

Pipeline run ID: 3568113f-d349-41ac-a364-7a3e5edfae77

Pipeline status: Succeeded

Activity name	Activity status	Activity type	Run start	Duration
Set variable1	Succeeded	Set variable	9/6/2023, 2:32:46 PM	Less than 1s
Get Metadata1	Succeeded	Get Metadata	9/6/2023, 2:32:37 PM	6s
Copy data1	Succeeded	Copy data	9/6/2023, 2:32:27 PM	9s

08-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline editor interface. The pipeline consists of three main components: a 'Get Metadata' activity, an 'If Condition' activity, and a 'Copy data' activity. The 'Get Metadata' activity is connected to the 'If Condition' activity. The 'If Condition' activity has a 'True' branch leading to the 'Copy data' activity. The pipeline run status is 'Succeeded'. The pipeline run ID is 1138d133-a3ca-4ed4-98c9-00aad1d5296c.

Pipeline run ID: 1138d133-a3ca-4ed4-98c9-00aad1d5296c

Pipeline status: Succeeded

Activity name	Activity status	Activity type	Run start	Duration	Log	Integration runtime	User
Copy data1	Succeeded	Copy data	9/6/2023, 2:56:05 PM	9s		AutoResolveIntegratio	
Get Metadata1	Succeeded	Get Metadata	9/6/2023, 2:56:01 PM	3s		AutoResolveIntegratio	
If Condition1	Succeeded	If Condition	9/6/2023, 2:56:05 PM	11s			

81°F Partly sunny

Search

2:57 PM 9/6/2023

08-09-2023

Microsoft Azure | Data Factory > shelldata | Search factory and documentation

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Preview experience: Off

Data Factory: Validate all | Publish all

Validate | Data flow debug | Debug Settings

dataflow1

DS_source_orderdetail | DS_destination | DS_source_orders | pipeline1

source1: Import data from DS_source_orders | source2: Import data from DS_source_orderdetail

join1: Inner join on 'source1' and 'source2'

filter1: Filtering rows using expressions on columns 'Amount'

derivedColumn1: Creating/updating the columns 'Order ID', 'Order Date', ...

aggregate1: Aggregating data by 'State' producing columns 'Amount'

sink1: Columns: 2 total

Sink | Settings | Errors | Mapping | Optimize | Inspect | Data preview

Number of rows: 18

State	Amount
Gujarat	6052
Maharashtra	23569
Madhya Pradesh	26358
Tamil Nadu	1361

78°F Partly sunny | Search | 12:07 PM 9/7/2023

08-09-2023

The screenshot shows the Microsoft Azure Data Factory pipeline editor interface. The left sidebar displays 'Factory Resources' with sections for Pipelines, Datasets, Data flows, and Power Query. The 'Pipelines' section shows 'pipeline1' selected. The main workspace shows a pipeline structure with a 'Data flow' activity named 'Data flow1'. The 'Activities' pane on the left lists various options like Move and transform, Synapse, Azure Function, etc. Below the pipeline structure, the 'Output' tab of the Pipeline run details is selected, showing a successful run with ID: 235bedcb-2982-4c87-8b8ab21768aca777, started on 9/7/2023 at 12:05:46 PM, and a duration of 1m 6s. The status is 'Succeeded'.

Microsoft Azure | Data Factory > shelldat | Search factory and documentation

Shellunext_1693422231860@npunext.onmicrosoft.com UNEXT

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Data Factory | Validate all | Publish all | Preview experience: Off

Factory Resources | Filter resources by name | +

Pipelines: pipeline1 | Change Data Capture (preview) | Datasets: DS_destination, DS_source_orderdetail, DS_source_orders | Data flows: dataflow1 | Power Query: 0

Activities: Move and transform, Synapse, Azure Function, Batch Service, Databricks, Data Lake Analytics, General, HDInsight, Iteration & conditionals, Machine Learning, Power Query

Validate | Debug | Add trigger | Data flow debug: ✓ | { } | ...

Data flow: Data flow1

Parameters | Variables | Settings | Output

Pipeline run ID: 235bedcb-2982-4c87-8b8ab21768aca777

All status | Monitor in Azure Metrics | Export to CSV

Showing 1 - 1 of 1 items

Activity name	Activity status	Run start	Duration
Data flow1	✓ Succeeded	9/7/2023, 12:05:46 PM	1m 6s

78°F Partly sunny | Search | Taskbar icons | 12:07 PM 9/7/2023

08-09-2023

Screenshot of the Microsoft Azure Data Factory pipeline editor showing a successful run.

The pipeline consists of the following steps:

```
graph LR; Lookup1[Lookup] --> ForEach1[ForEach]; ForEach1 --> CopyData1[Copy data1]
```

Pipeline Run Details:

- Pipeline run ID:** d2c51ded-a555-43ae-8247-bfd4052fd50c
- Pipeline status:** Succeeded
- Run duration:** 11:27 AM 9/8/2023

Activity Status:

Activity name	Activity status	Run start	Duration	Integration runtime	User properties
Copy data1	Succeeded	9/8/2023, 5:54:48 AM	8s	AutoResolveIntegratio	
Coov data1	Succeeded	9/8/2023, 5:54:48 AM	10s	AutoResolveIntegratio	

08-09-2023

The screenshot shows the Microsoft Azure portal interface. The main title bar displays "Subscription Details | Nuvepro" and the URL "https://wai.nuvepro.com/guacamole/#/client/a50wNTk1ODMwNjE0MjIwOGYzOABjAG5...". The top navigation bar includes "Microsoft Azure", a search bar, and user information "Shellunext_1693422231... UNEXT (NPUNEXT.ONMICROSOFT.COM)". Below the navigation is a breadcrumb trail: "Home > shellautomationaccount | Runbooks > idashellrunbook02 (shellautomationaccount/idashellrunbook02)".

The left sidebar contains a navigation menu with the following items:

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Resources
 - Jobs
 - Schedules
 - Webhooks
- Runbook settings
 - Properties
 - Description
 - Logging and tracing
- Settings
 - Locks
- Automation

The main content area is titled "idashellrunbook02 (shellautomationaccount/idashellrunbook02)" and shows the following details:

Essentials	
Resource group	Subscription ID RG_shellresource 79655689-ee06-486f-b131-c8697b3e0096
Account	Status shellautomationaccount New
Location	Runbook type East US Graphical PowerShell
Subscription	Runtime version npunext-1680262156801 5.1
	Last modified 9/8/2023, 10:41 AM

Below the essentials section, there are "Tags (edit)" and "Add tags" buttons.

The "Recent Jobs" section shows a table with columns: Status, Created, and Last updated. The message "No jobs found." is displayed.

At the bottom of the page, the Windows taskbar shows the date and time "4:34 PM 9/8/2023" and various system icons.

08-09-2023

The screenshot shows the Microsoft Azure Runbook Test interface. At the top, there are four tabs: "Lumen", "Subscription Details | Nuvepro", "i-05958306142208f38", and "shortcut to make chrome page t". The main content area has a header "Microsoft Azure" with a search bar "Search resources, services, and docs (G+/-)". Below the header, the URL is https://wai.nuvepro.com/guacamole/#/client/a50wNTk1ODMwNjE0MjlwOGYzOABjAG5... . The navigation path is Home > shellautomationaccount | Runbooks > idashellrunbook02 (shellautomationaccount/idashellrunbook02) > Test.

The "Test" section displays the following details:

- Test Name:** idashellrunbook02
- Status:** Completed
- Run Settings:** Run on Azure
- Parameters:** No input parameters
- Activity-level tracing:** Using a hybrid runbook worker can increase test performance. [Learn more](#)
- Trace level:** Detailed (selected)
- Output:** 900

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Microsoft Edge, and other applications. The system tray shows the date and time as 4:34 PM 9/8/2023.