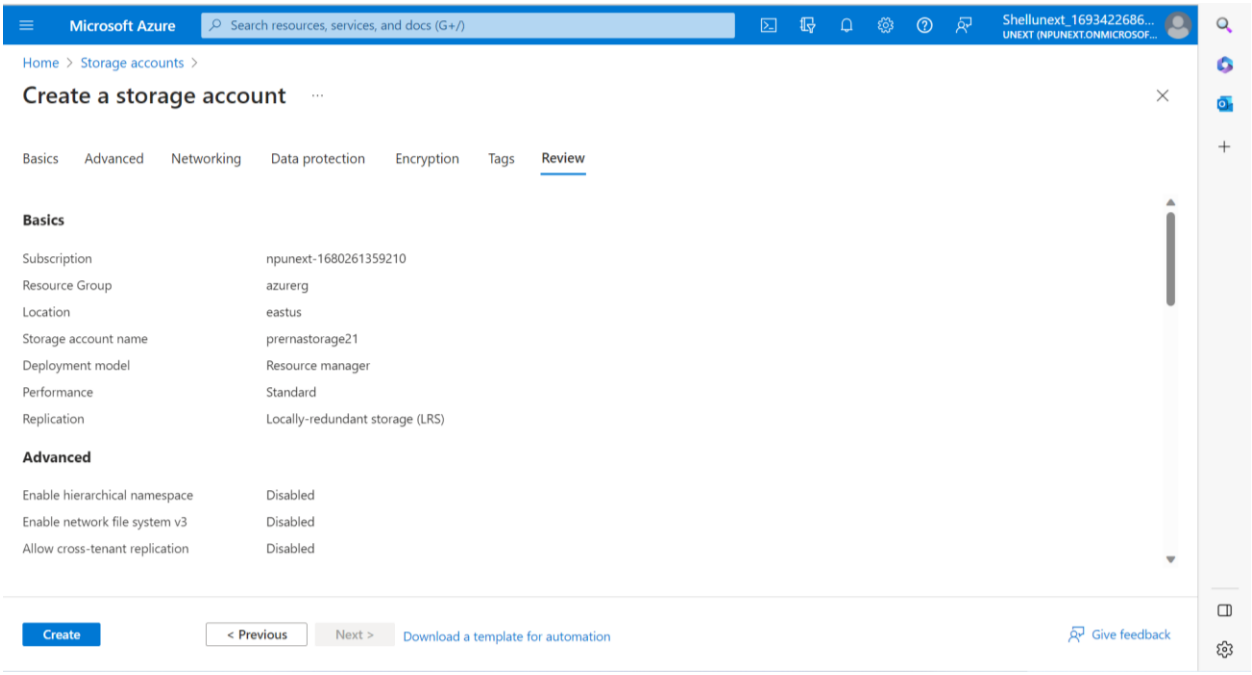
Prerna Singh **Day-6**

Emp Code- 654870

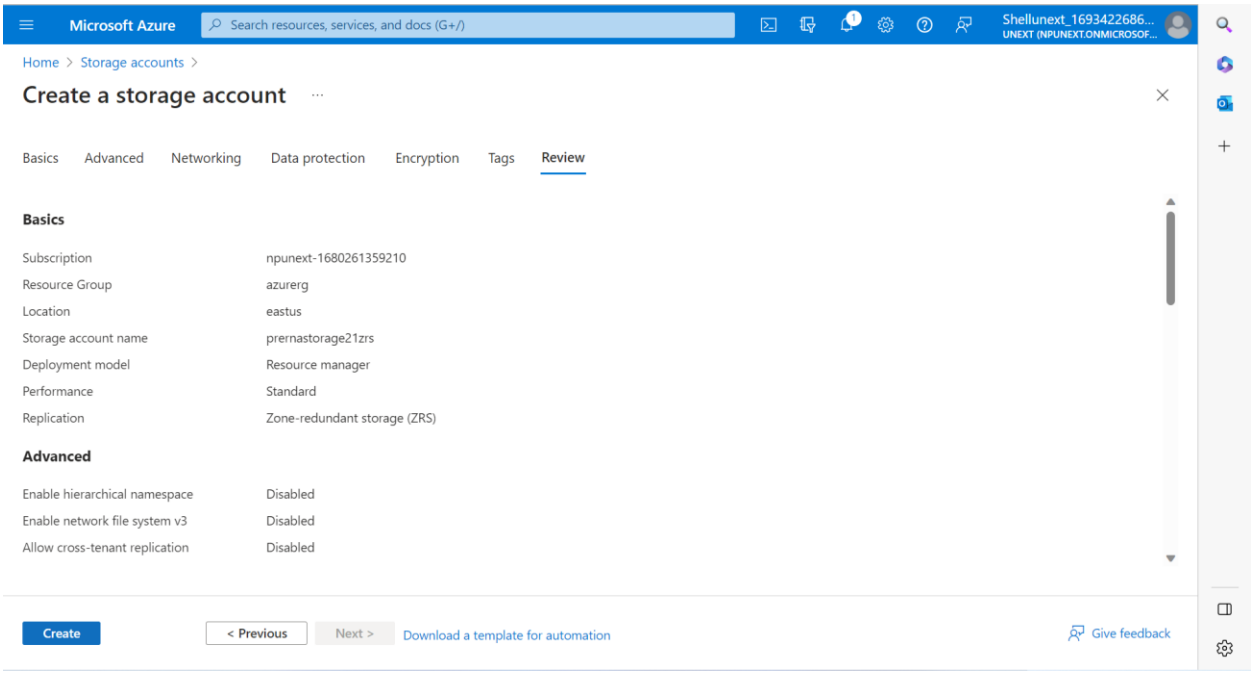
AZURE Storage

Create storage account-

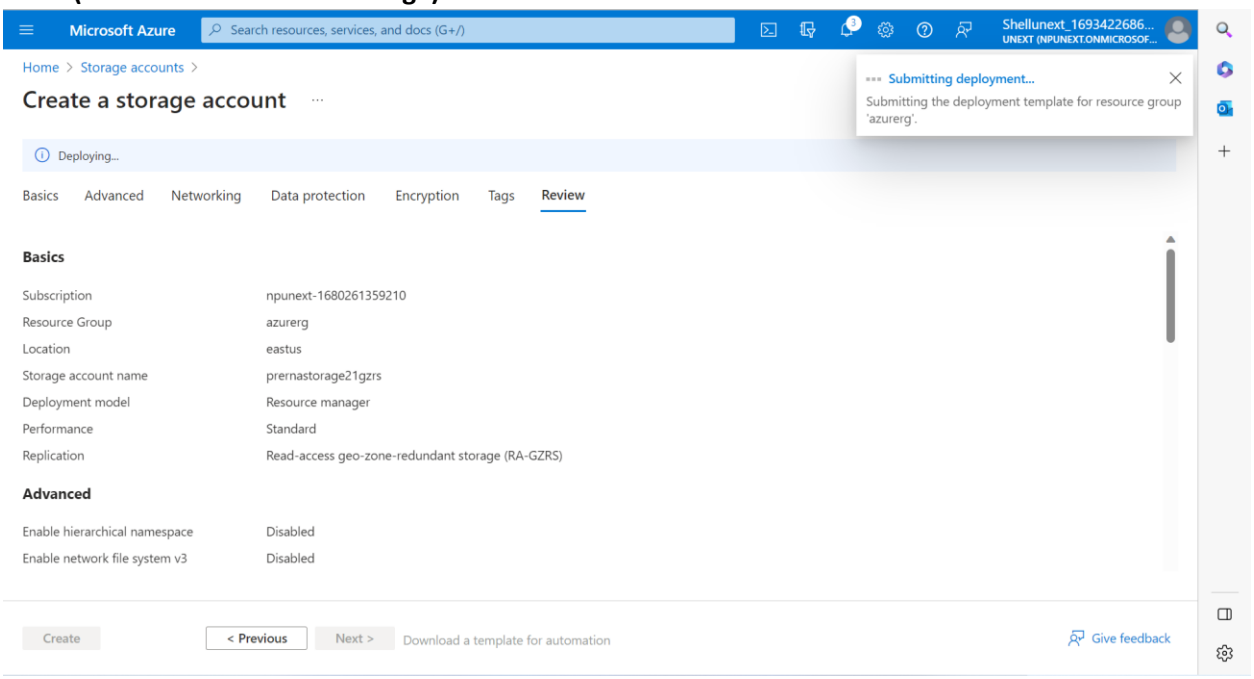
LRS (Locally redundant storage)-



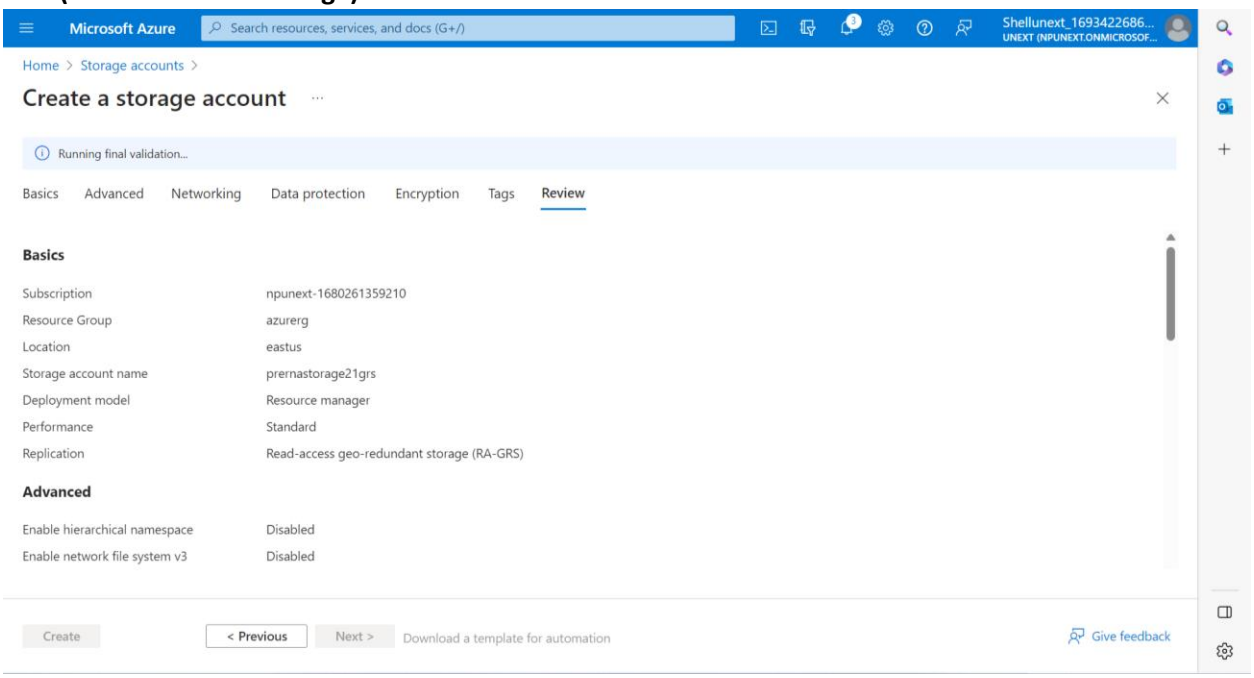
ZRS (Zone redundant storage)-



GZRS (Geo-zone redundant storage)-

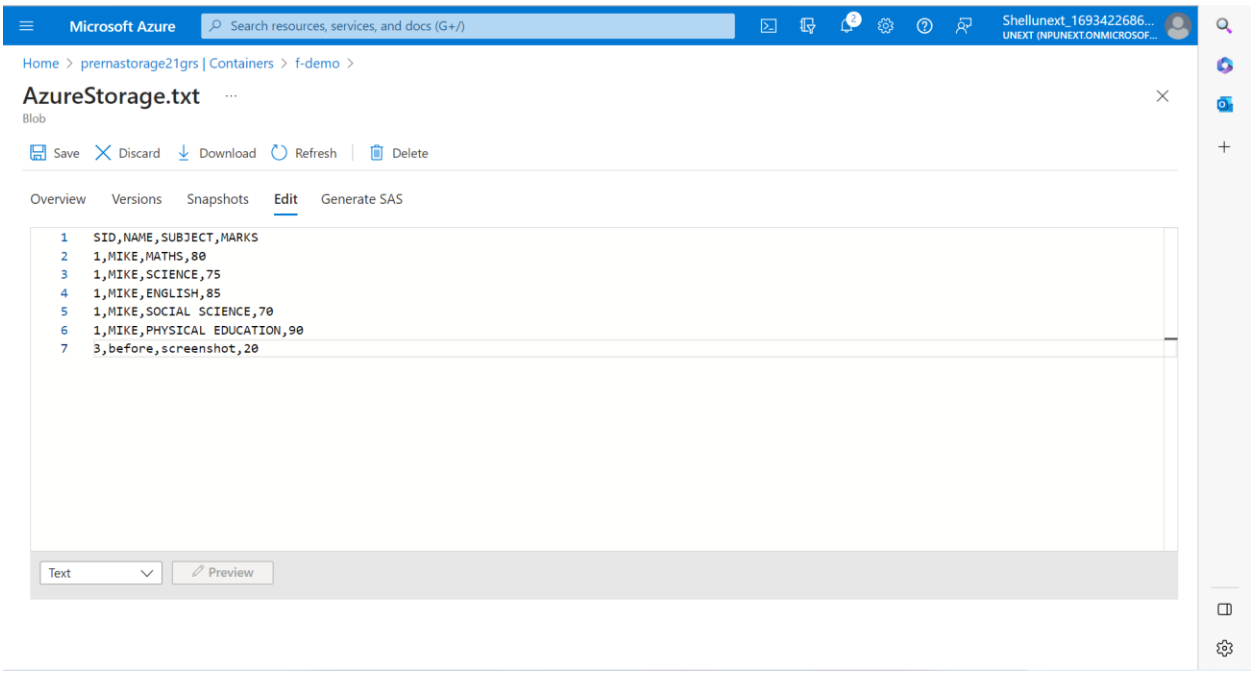


GRS (Geo redundant storage)-

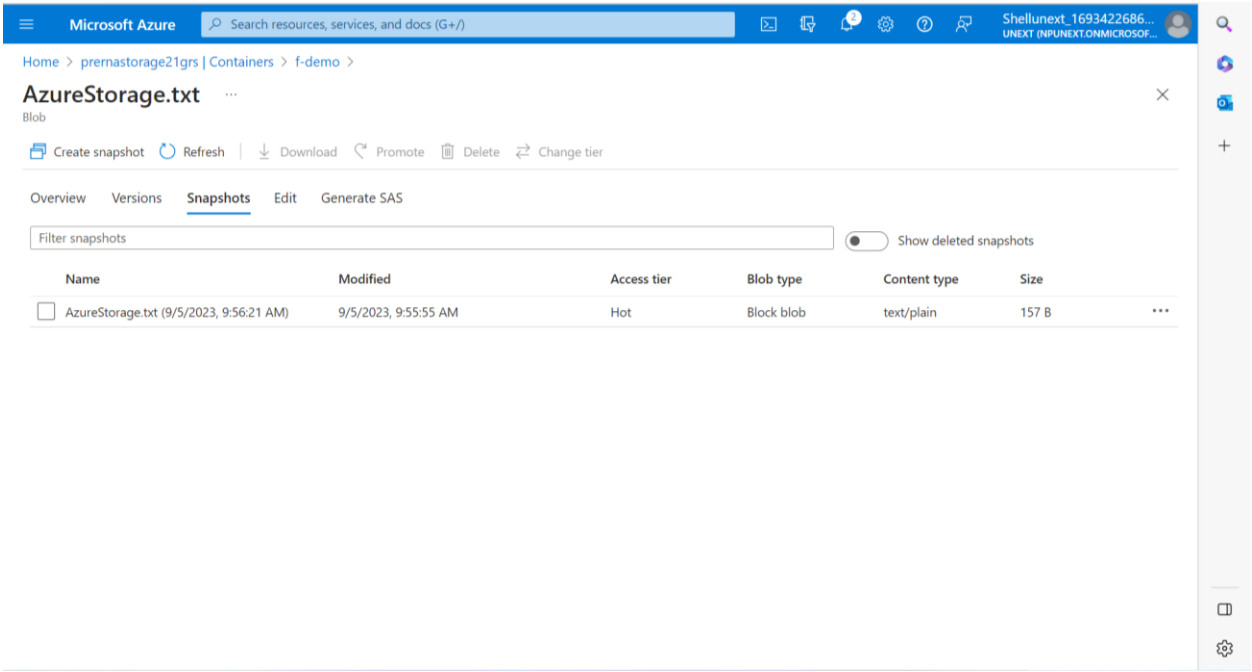


Create container and upload file from local system-

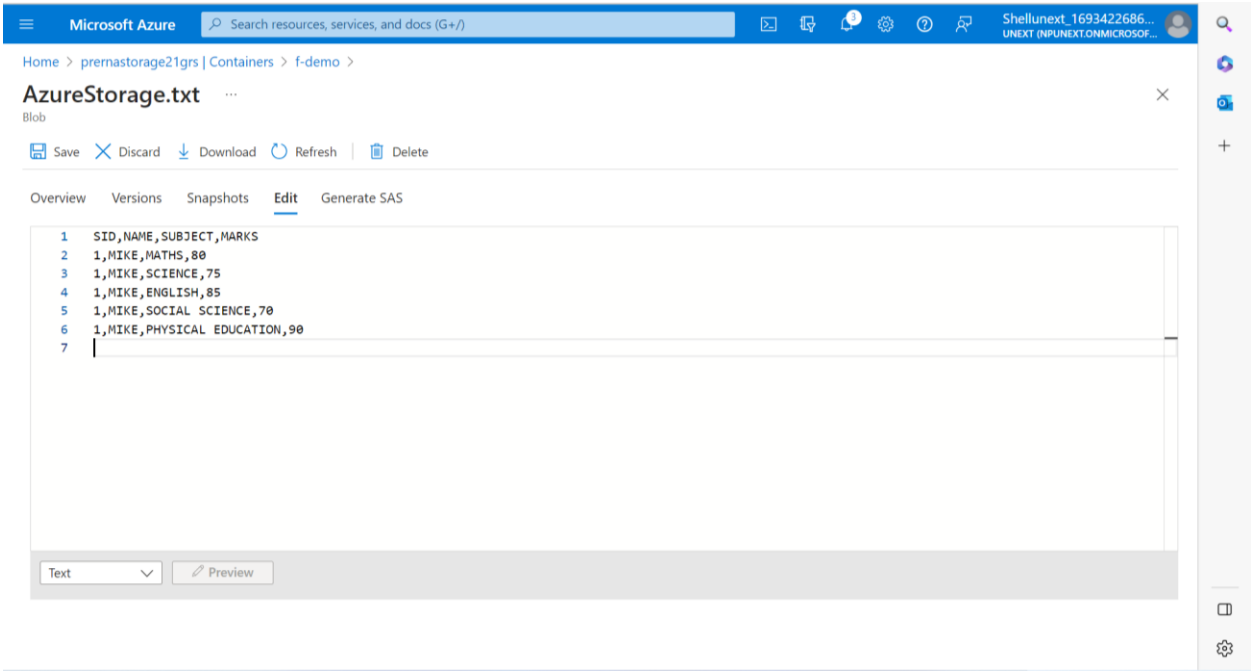
Edit and add one more row.



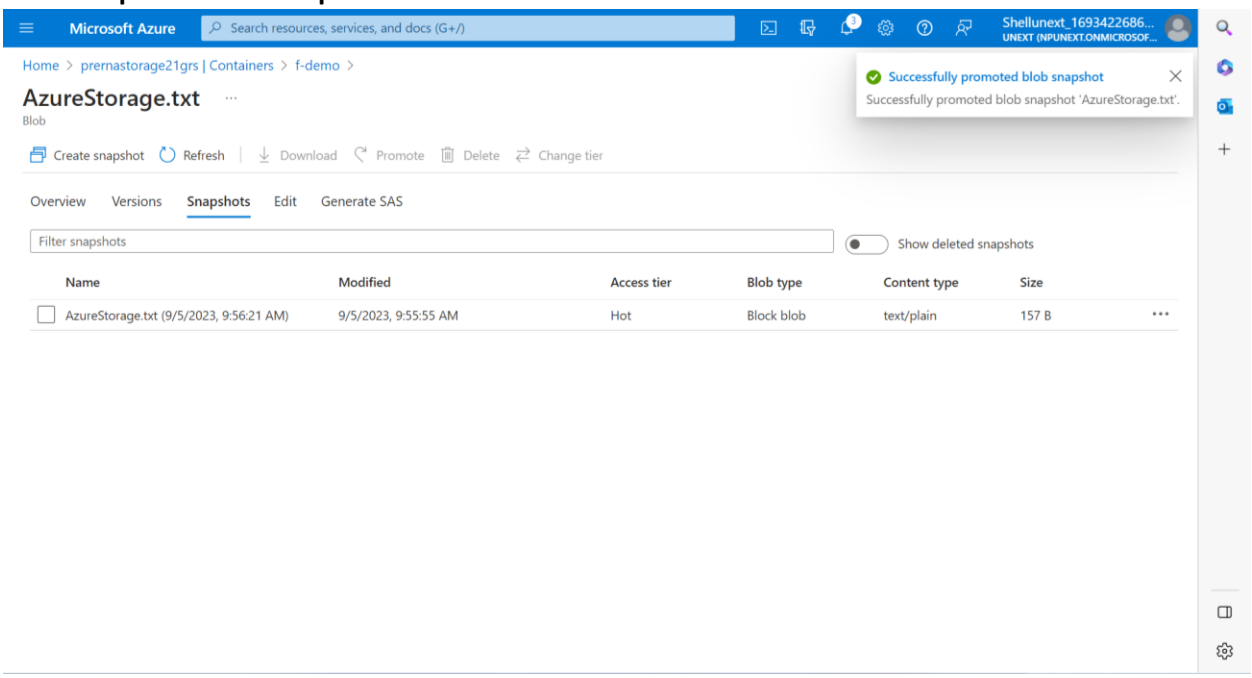
Create a snapshot of the data-



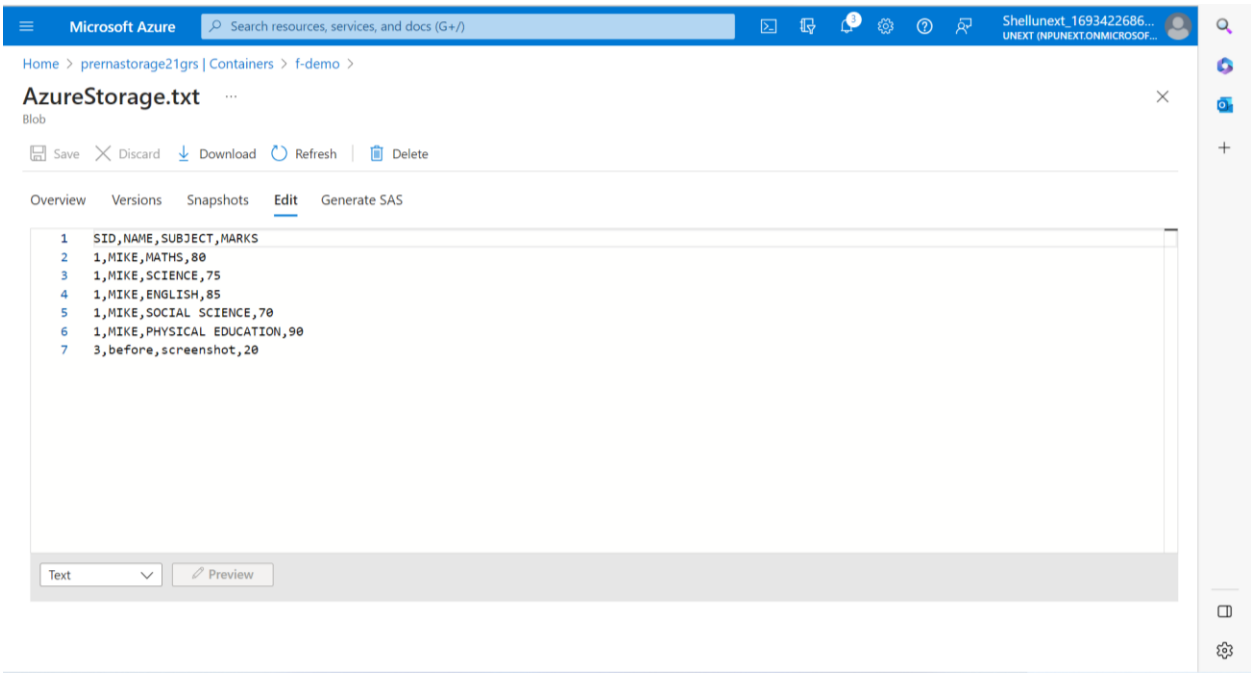
Remove the row we updated and then save-



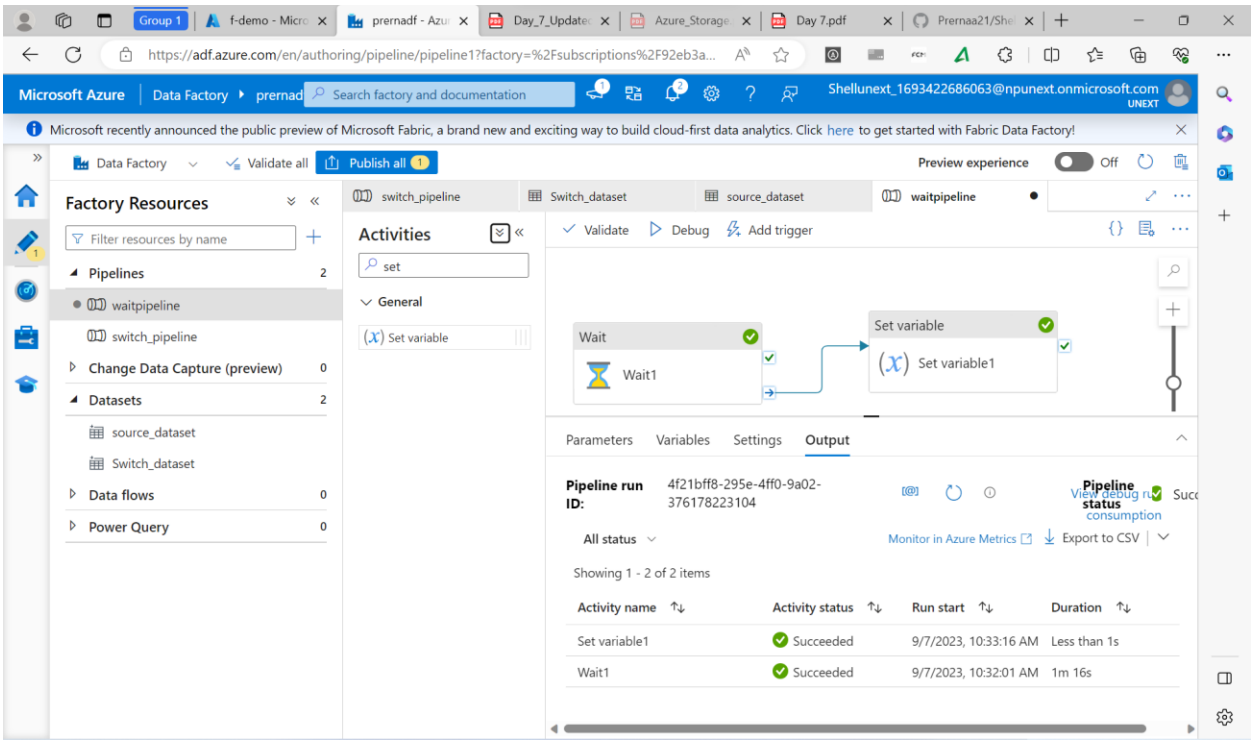
Go to snapshots and click promote-

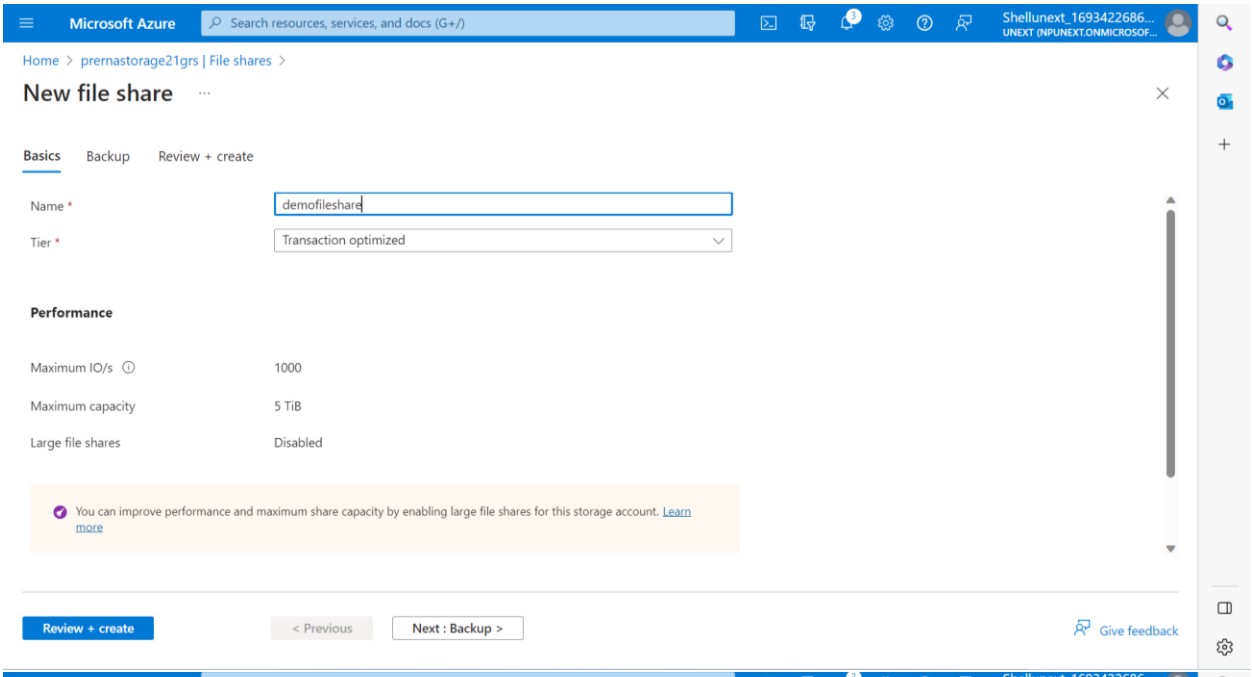


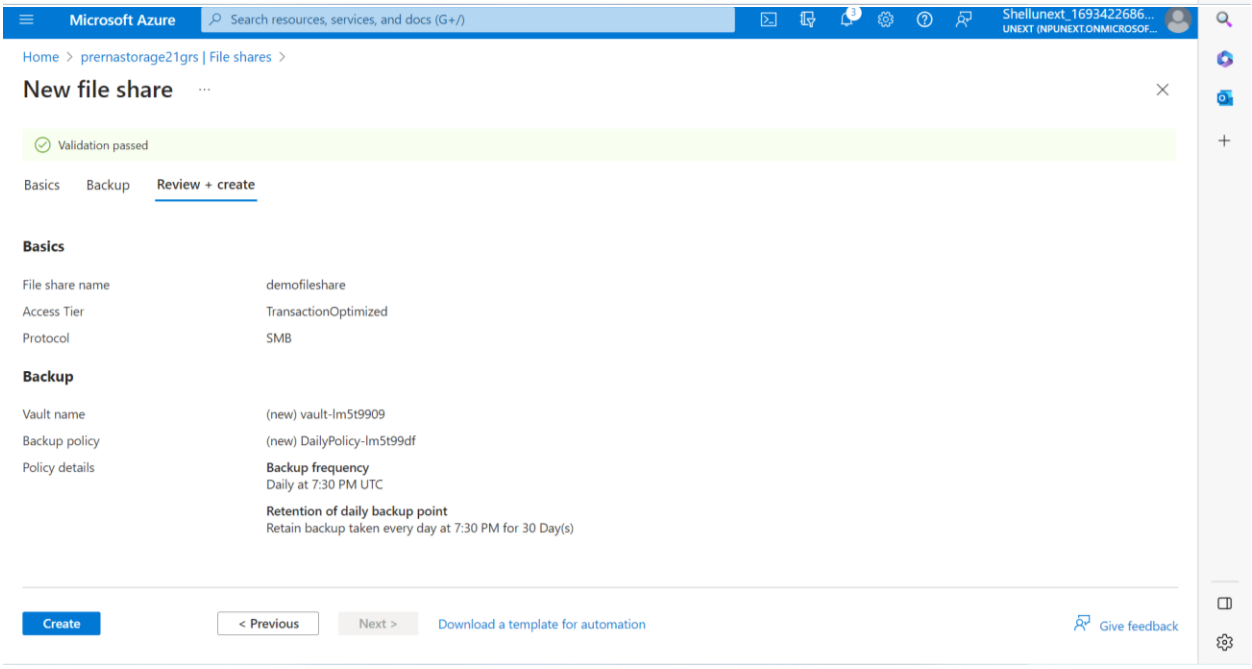
Update data saved-

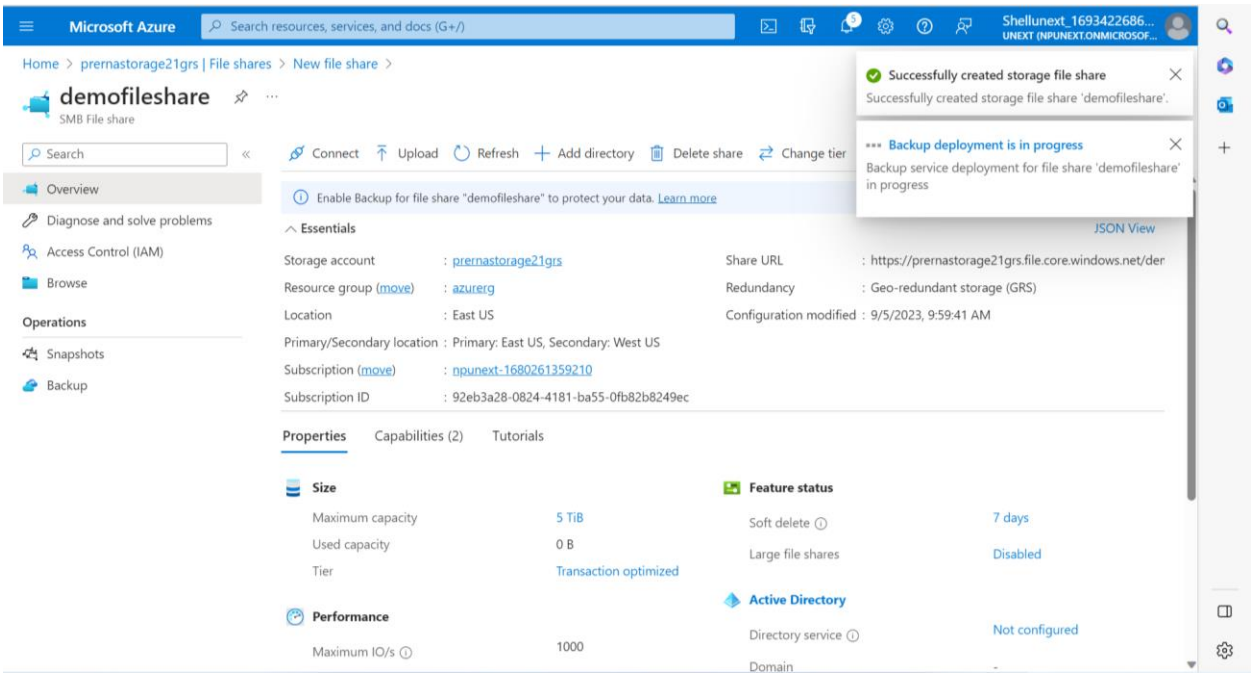

Microsoft Azure
Search resources, services, and docs (G+/)
Home > prernastorage21grs | Containers > f-demo >
AzureStorage.txt
Blob
Save
Discard
Download
Refresh
Delete
Overview
Versions
Snapshots
Edit
Generate SAS
1 SID,NAME,SUBJECT,MARKS
2 1,MIKE,MATHS,80
3 1,MIKE,SCIENCE,75
4 1,MIKE,ENGLISH,85
5 1,MIKE,SOCIAL SCIENCE,70
6 1,MIKE,PHYSICAL EDUCATION,90
7 3,before,screenshot,20
Text
Preview

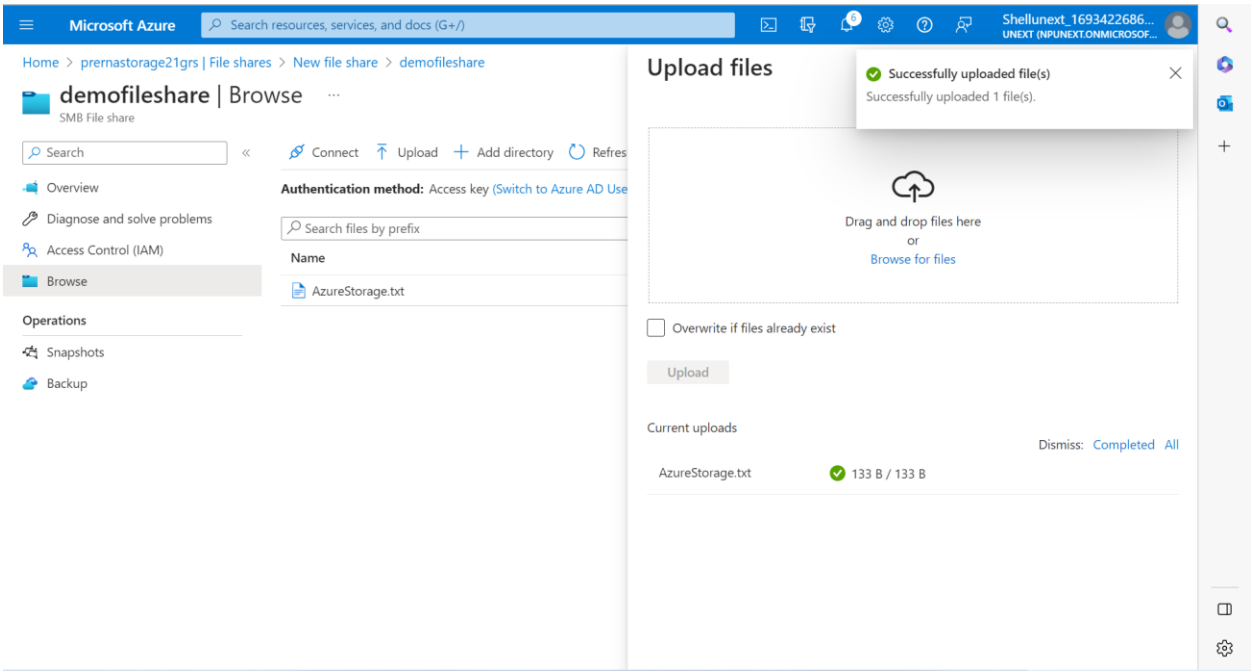
File share


Microsoft Azure
Data Factory
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!
Validate all
Publish all
Preview experience
Off
Factory Resources
Filter resources by name
Pipelines 2
waitpipeline
switch_pipeline
Change Data Capture (preview) 0
Datasets 2
source_dataset
Switch_dataset
Data flows 0
Power Query 0
Activities
set
General
Set variable
Validate
Debug
Add trigger
Wait
Wait1
Set variable
Set variable1
Parameters
Variables
Settings
Output
Pipeline run ID: 4f21bff8-295e-4ff0-9a02-376178223104
All status
Monitor in Azure Metrics
Export to CSV
Showing 1 - 2 of 2 items
Activity name
Activity status
Run start
Duration
Set variable1 Succeeded 9/7/2023, 10:33:16 AM Less than 1s
Wait1 Succeeded 9/7/2023, 10:32:01 AM 1m 16s


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs | File shares >
New file share
Basics
Backup
Review + create
Name *
demofileshare
Tier *
Transaction optimized
Performance
Maximum IO/s
1000
Maximum capacity
5 TiB
Large file shares
Disabled
You can improve performance and maximum share capacity by enabling large file shares for this storage account. Learn more
Review + create
< Previous
Next : Backup >
Give feedback

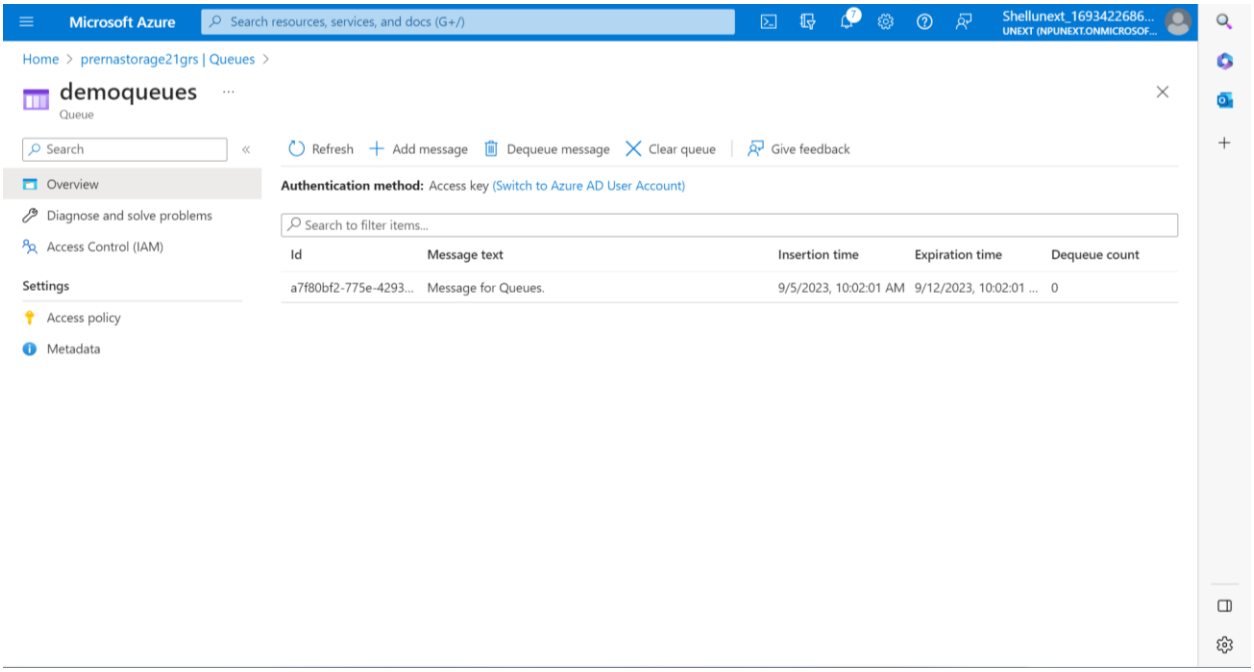

Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs | File shares >
New file share
Validation passed
Basics
Backup
Review + create
Basics
File share name
demofileshare
Access Tier
TransactionOptimized
Protocol
SMB
Backup
Vault name
(new) vault-lm5t9909
Backup policy
(new) DailyPolicy-lm5t99df
Policy details
Backup frequency
Daily at 7:30 PM UTC
Retention of daily backup point
Retain backup taken every day at 7:30 PM for 30 Day(s)
Create
< Previous
Next >
Download a template for automation
Give feedback



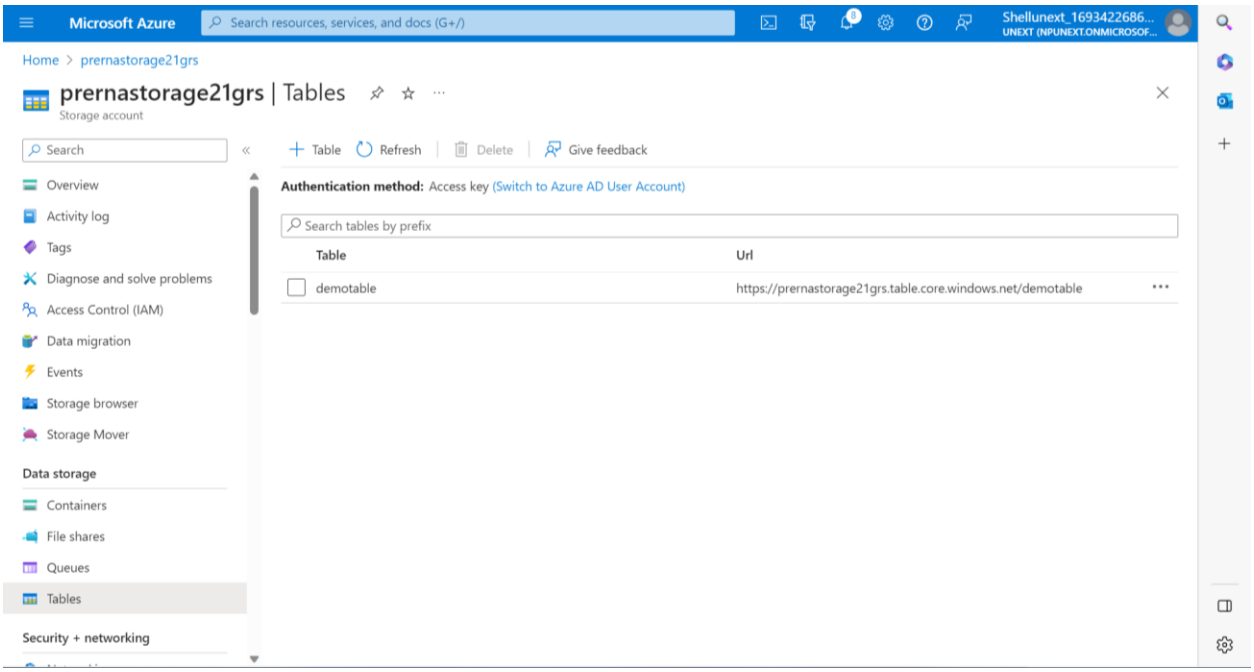


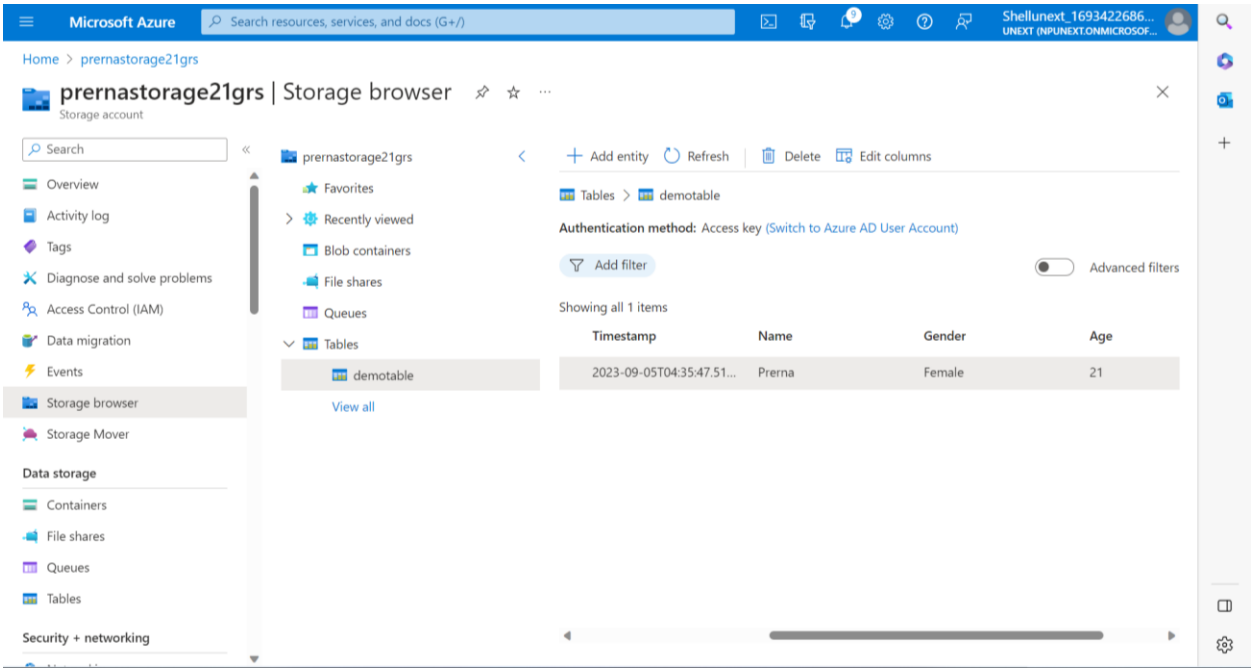
Queues

Add message-

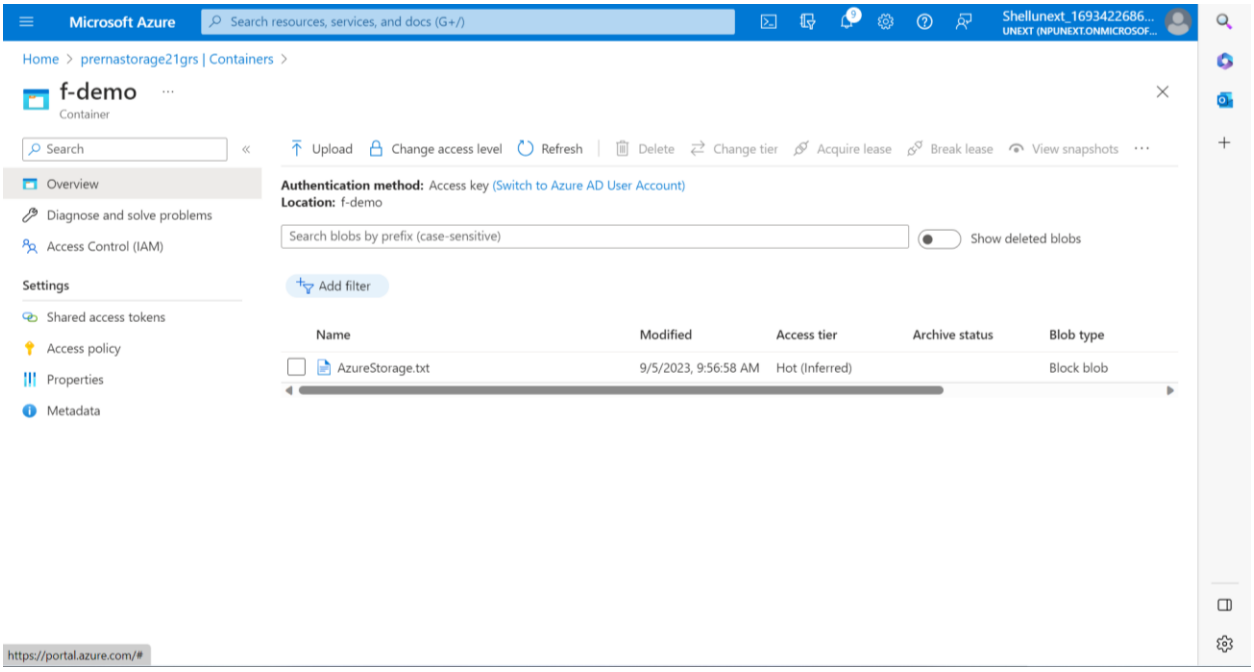

Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs | Queues >
demoqueues
Queue
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Access policy
Metadata
Refresh
Add message
Dequeue message
Clear queue
Give feedback
Authentication method: Access key (Switch to Azure AD User Account)
Search to filter items...
Id
Message text
Insertion time
Expiration time
Dequeue count
a7f80bf2-775e-4293...
Message for Queues.
9/5/2023, 10:02:01 AM
9/12/2023, 10:02:01 ...
0

Tables

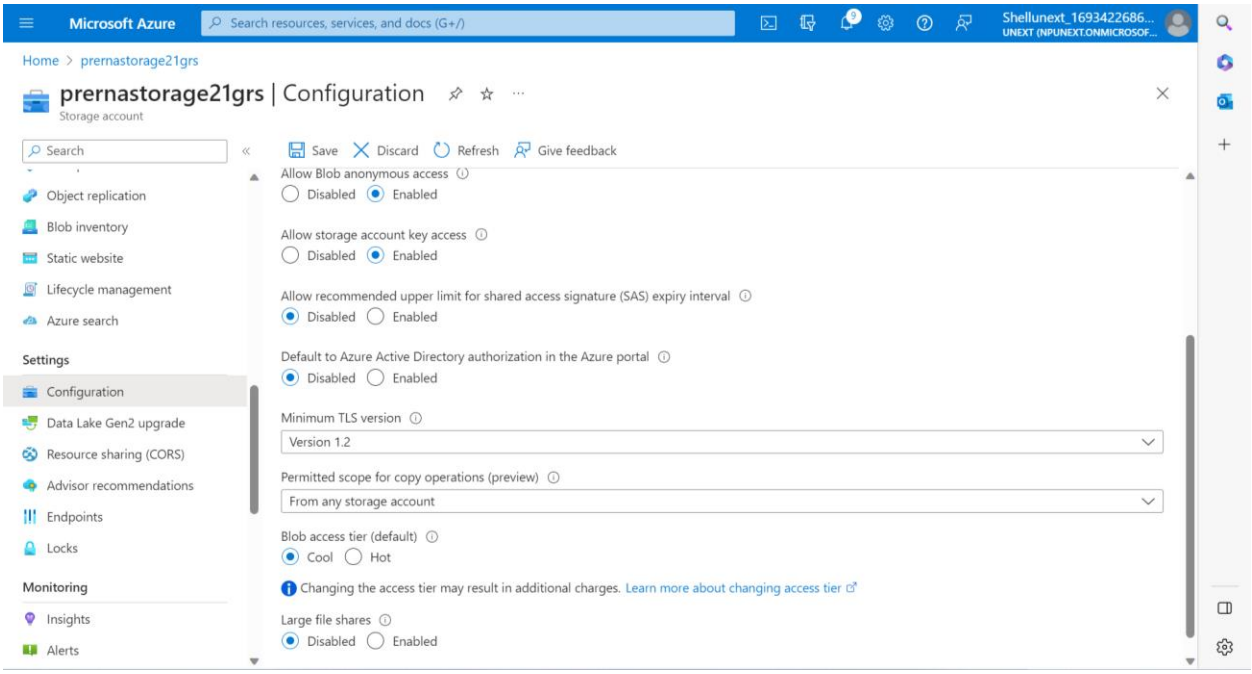

Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs
prernastorage21grs | Tables
Storage account
Search
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Table
Refresh
Delete
Give feedback
Authentication method: Access key (Switch to Azure AD User Account)
Search tables by prefix
Table
Url
demotable
https://prernastorage21grs.table.core.windows.net/demotable

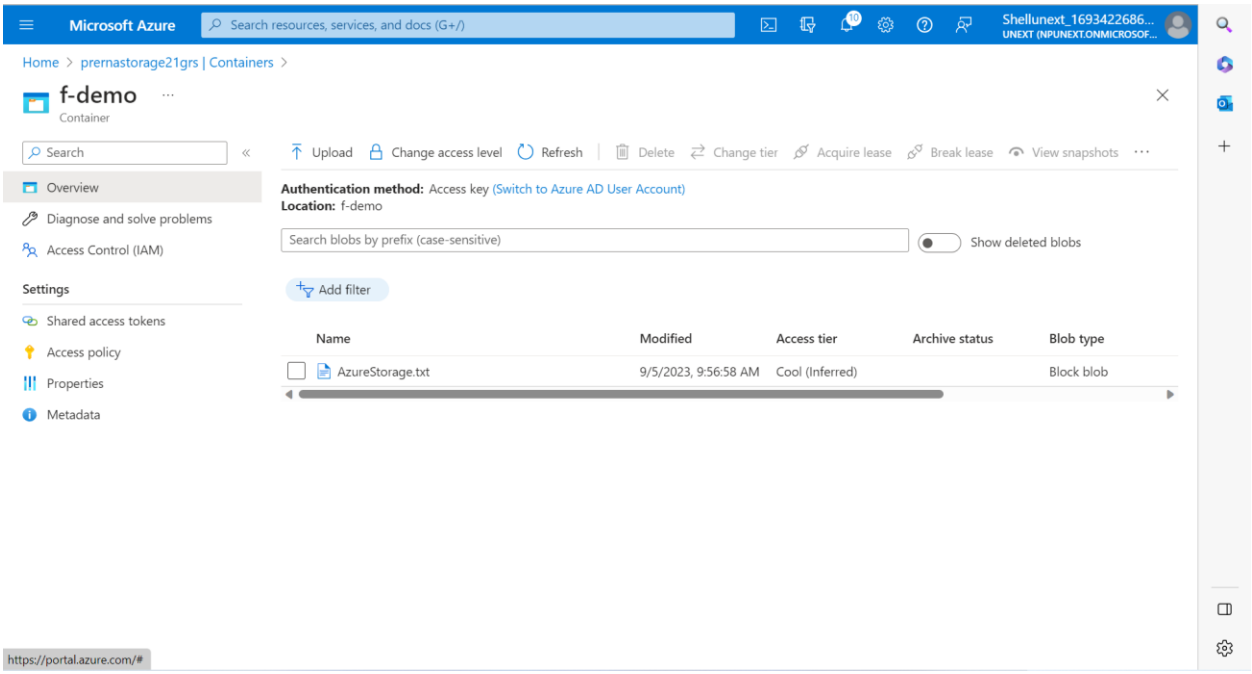


Hot tier

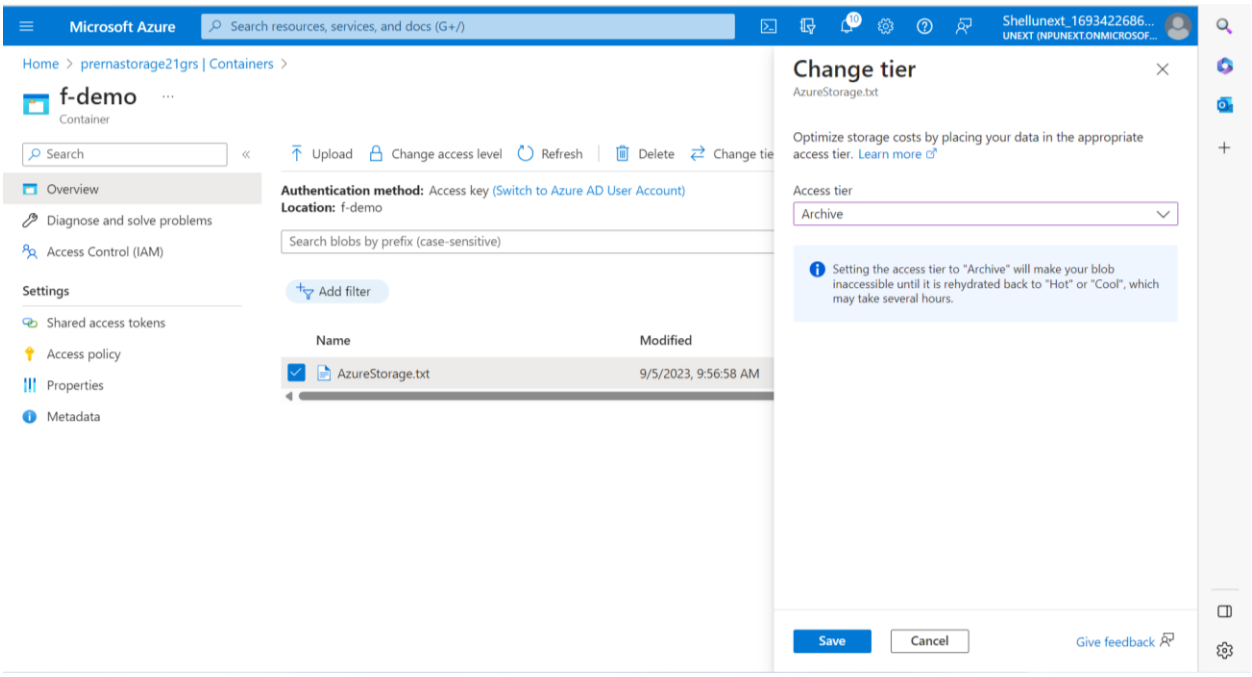


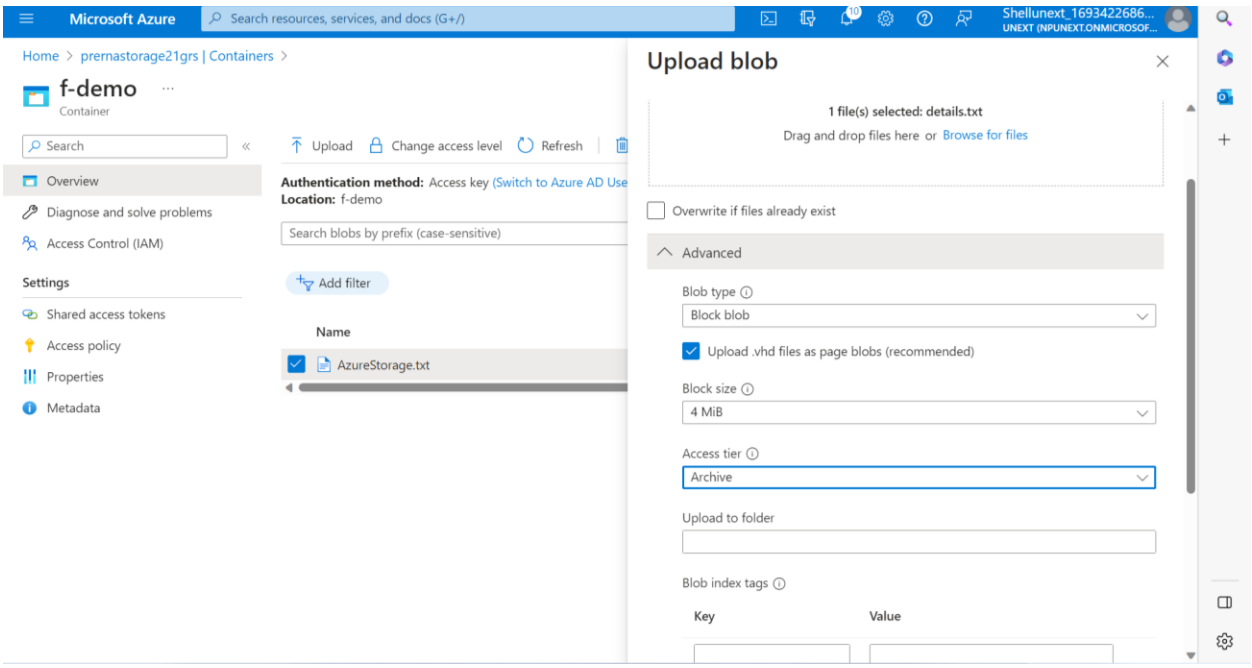
Cool tier

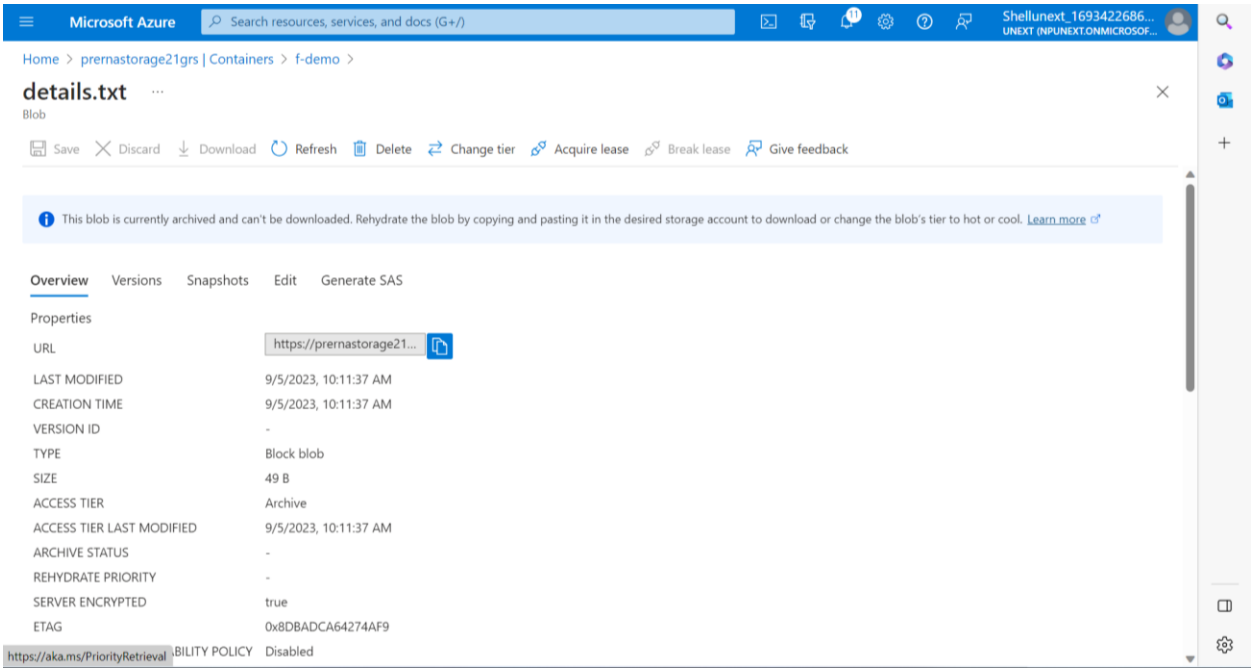


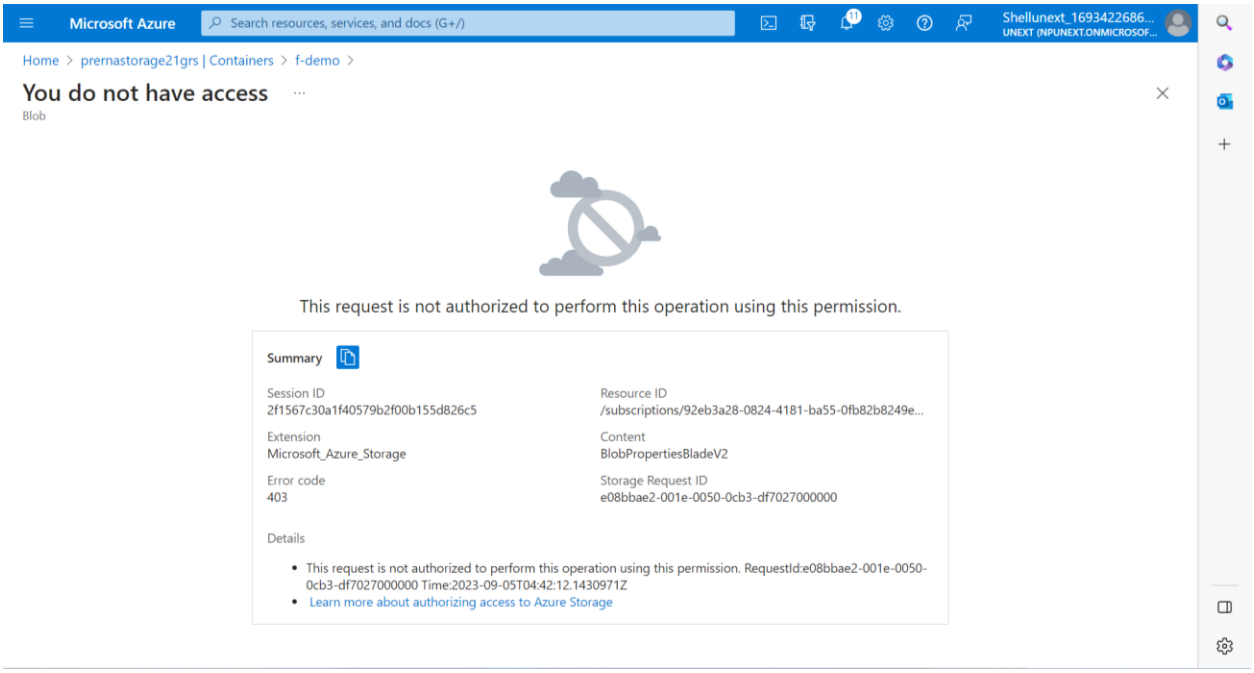


Archive tier


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs | Containers >
f-demo
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Upload
Change access level
Refresh
Delete
Change tie
Authentication method: Access key (Switch to Azure AD User Account)
Location: f-demo
Search blobs by prefix (case-sensitive)
Add filter
Name
Modified
AzureStorage.txt
9/5/2023, 9:56:58 AM
Change tier
AzureStorage.txt
Optimize storage costs by placing your data in the appropriate access tier. Learn more
Access tier
Archive
Setting the access tier to "Archive" will make your blob inaccessible until it is rehydrated back to "Hot" or "Cool", which may take several hours.
Save
Cancel
Give feedback


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs | Containers >
f-demo
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Upload
Change access level
Refresh
Authentication method: Access key (Switch to Azure AD Use
Location: f-demo
Search blobs by prefix (case-sensitive)
Add filter
Name
AzureStorage.txt
Upload blob
1 file(s) selected: details.txt
Drag and drop files here or Browse for files
Overwrite if files already exist
Advanced
Blob type
Block blob
Upload .vhd files as page blobs (recommended)
Block size
4 MiB
Access tier
Archive
Upload to folder
Blob index tags
Key
Value

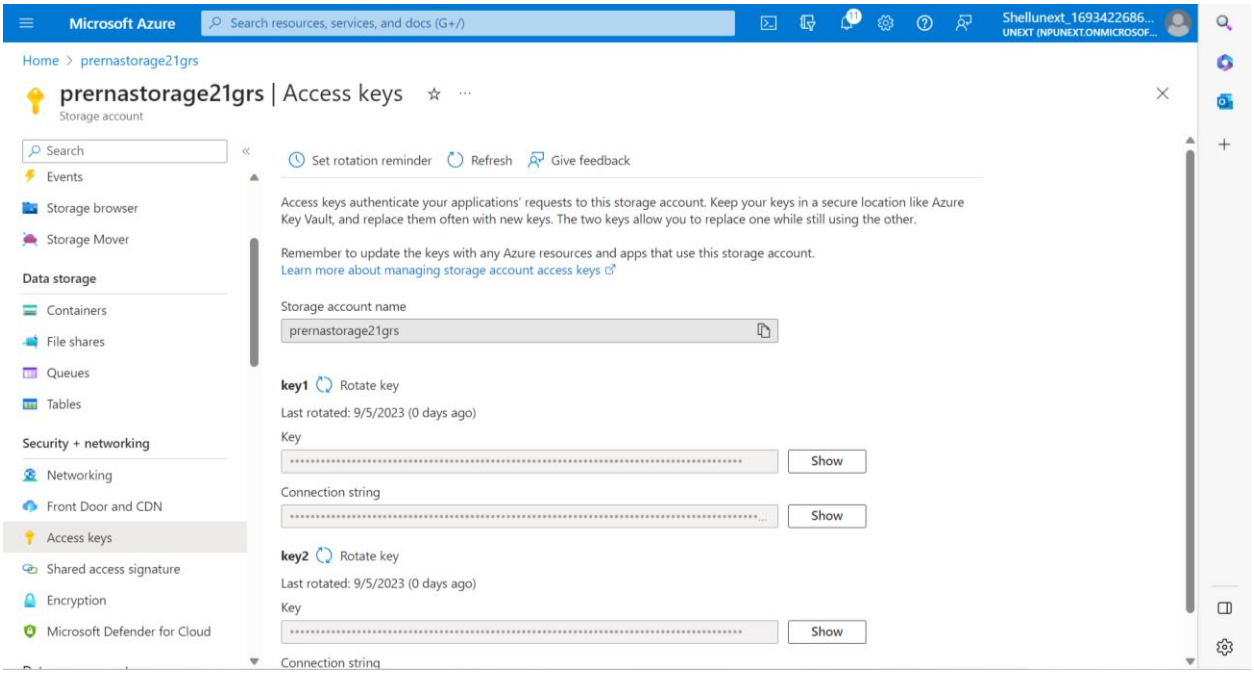


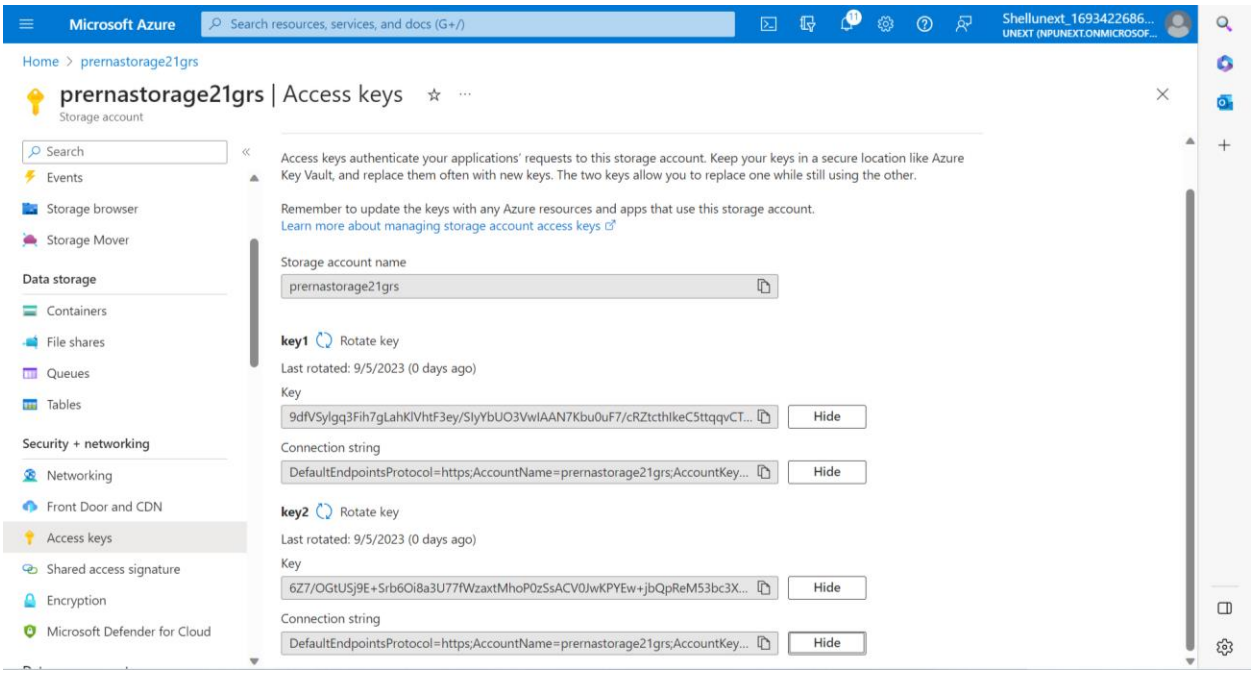


Azure active directory integration for authorizing request to blob queue and table resources, Microsoft recommends using azure ad credentials to authorize request to data, when possible, for optimal security and ease of use.

We can use azure role-based access control to manage a security principle permission to blob, queue and table resources into storage accounts.

Access keys


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs
prernastorage21grs | Access keys
Storage account
Search
Events
Storage browser
Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Networking
Front Door and CDN
Access keys
Shared access signature
Encryption
Microsoft Defender for Cloud
Set rotation reminder
Refresh
Give feedback
Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.
Remember to update the keys with any Azure resources and apps that use this storage account.
Learn more about managing storage account access keys
Storage account name
prernastorage21grs
key1
Rotate key
Last rotated: 9/5/2023 (0 days ago)
Key
Show
Connection string
Show
key2
Rotate key
Last rotated: 9/5/2023 (0 days ago)
Key
Show
Connection string


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > prernastorage21grs
prernastorage21grs | Access keys
Storage account
Search
Events
Storage browser
Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Networking
Front Door and CDN
Access keys
Shared access signature
Encryption
Microsoft Defender for Cloud
Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.
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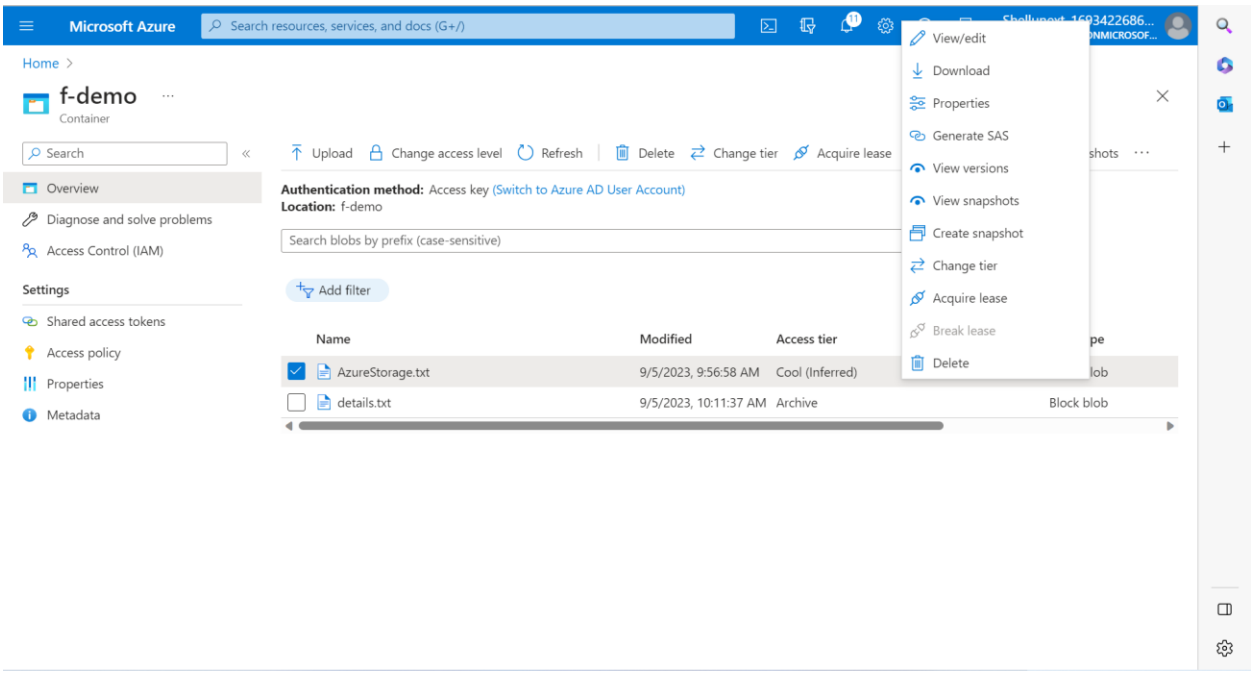
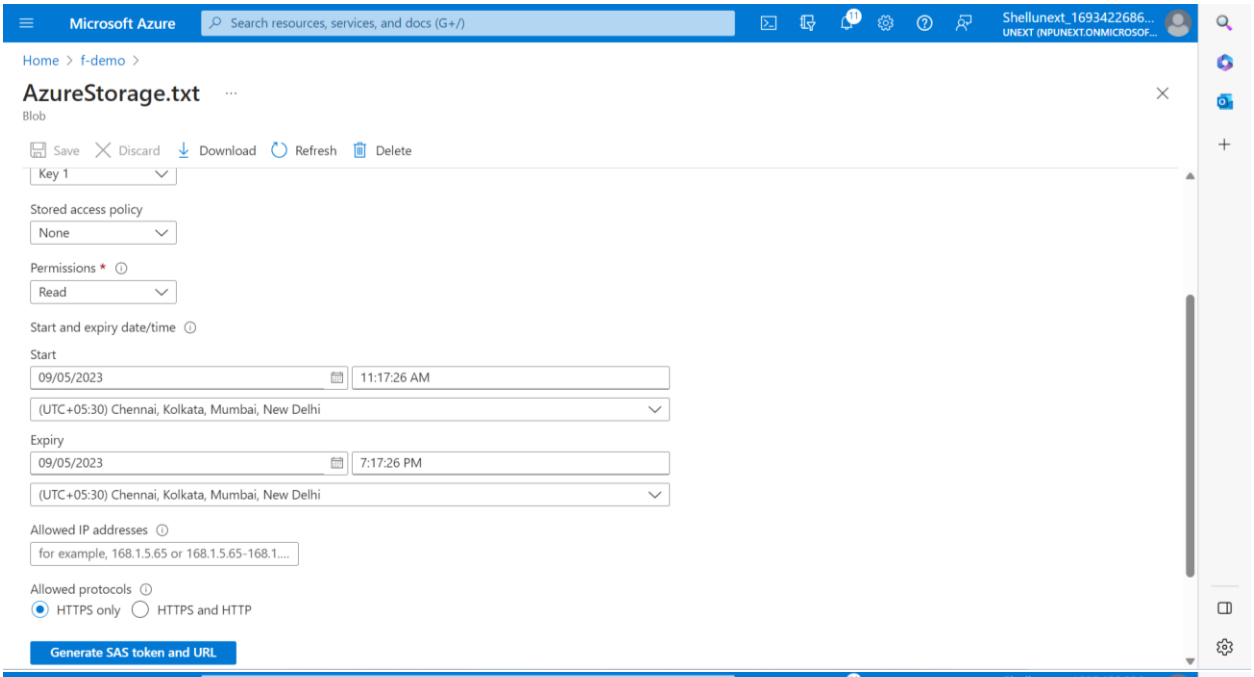
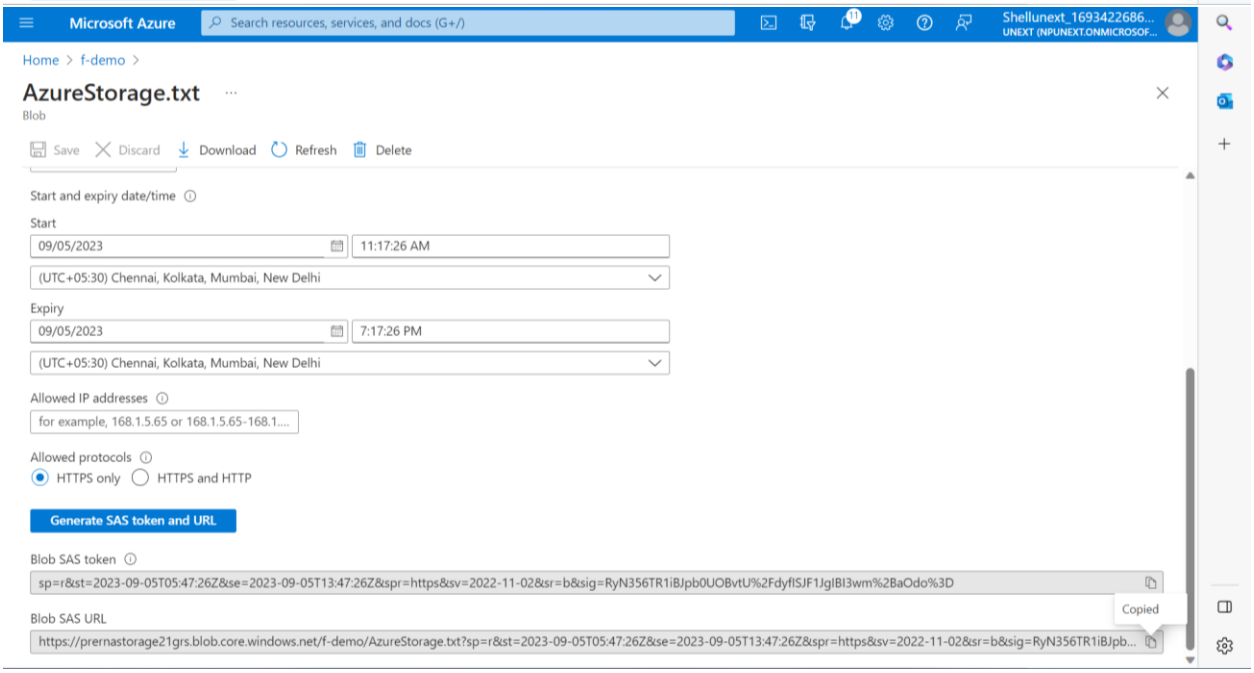
Learn more about managing storage account access keys
Storage account name
prernastorage21grs
key1
Rotate key
Last rotated: 9/5/2023 (0 days ago)
Key
9dfVSylgq3Fih7gLahKlVhtF3ey/SlyYbUO3VwIAAN7Kbu0uF7/cRZtcthIkeC5ttqqvCT...
Hide
Connection string
DefaultEndpointsProtocol=https;AccountName=prernastorage21grs;AccountKey...
Hide
key2
Rotate key
Last rotated: 9/5/2023 (0 days ago)
Key
6Z7/OGtUSj9E+Srb6Oi8a3U77fWzaxtMhoP0zSsACV0JwKPYEw+jbQpReM53bc3X...
Hide
Connection string
DefaultEndpointsProtocol=https;AccountName=prernastorage21grs;AccountKey...
Hide

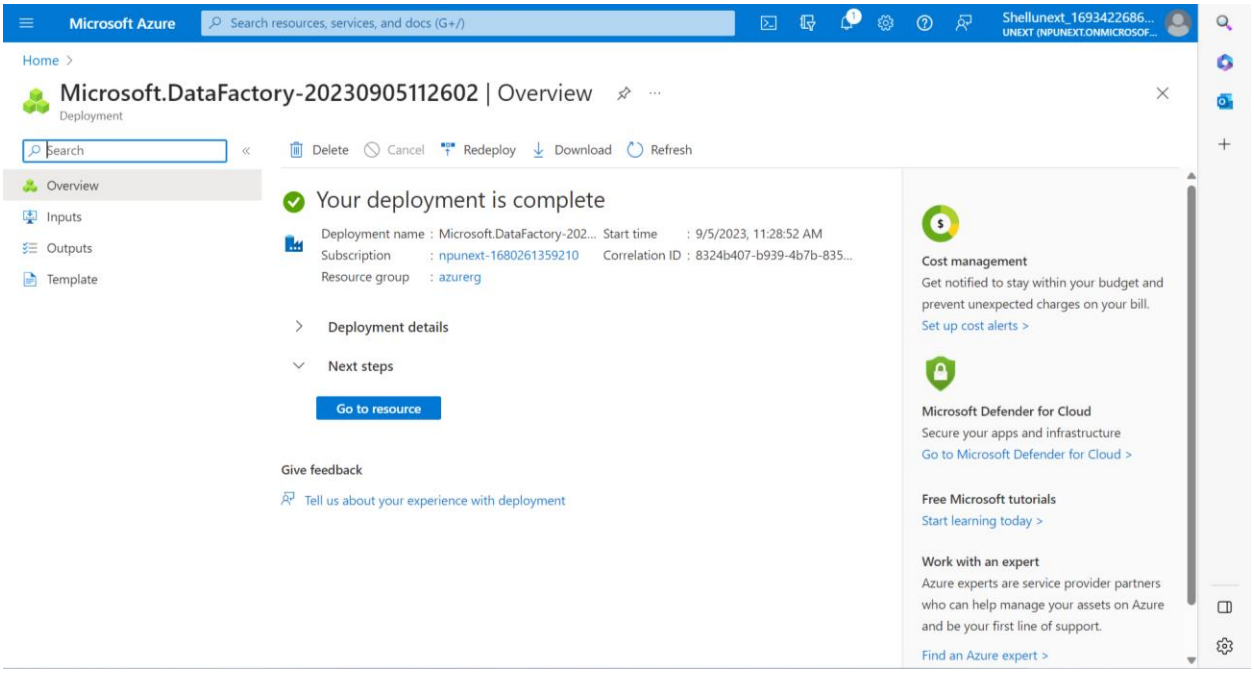

Microsoft Azure
Search resources, services, and docs (G+/)
Home
f-demo
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Authentication method: Access key (Switch to Azure AD User Account)
Location: f-demo
Search blobs by prefix (case-sensitive)
Add filter
Name
Modified
Access tier
AzureStorage.txt
9/5/2023, 9:56:58 AM
Cool (Inferred)
details.txt
9/5/2023, 10:11:37 AM
Archive
Block blob
View/edit
Download
Properties
Generate SAS
View versions
View snapshots
Create snapshot
Change tier
Acquire lease
Break lease
Delete

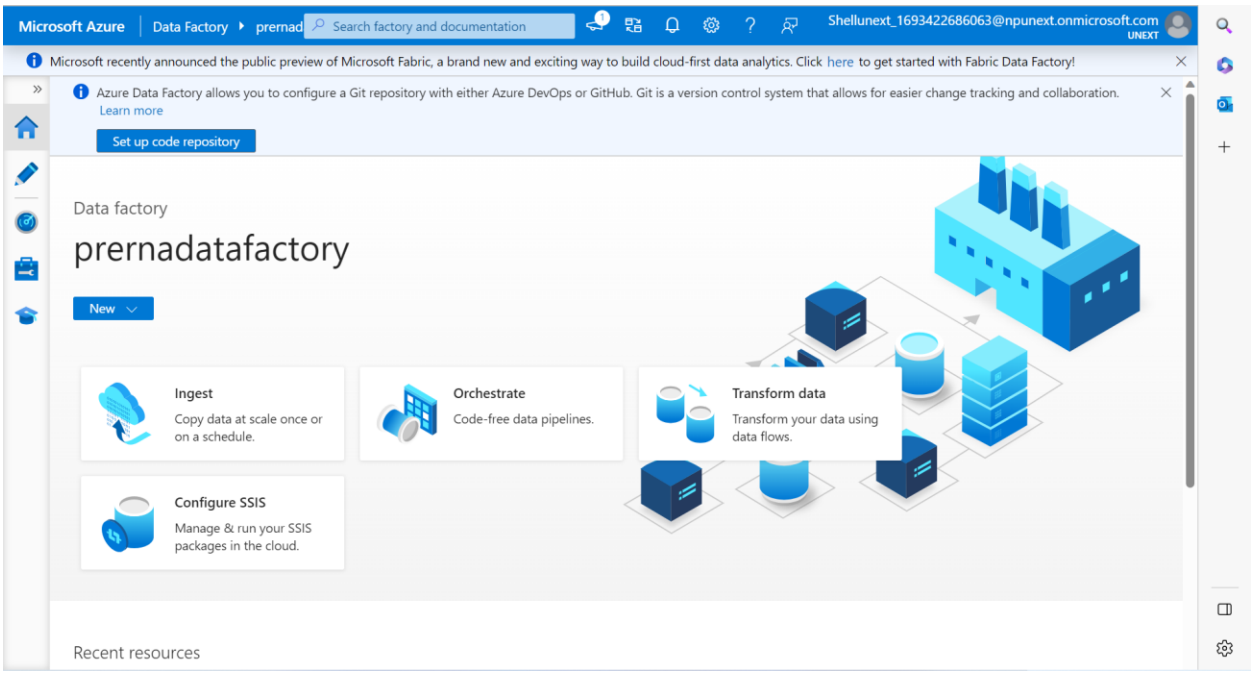

Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > f-demo >
AzureStorage.txt
Blob
Save
Discard
Download
Refresh
Delete
Key 1
Stored access policy
None
Permissions *
Read
Start and expiry date/time
Start
09/05/2023
11:17:26 AM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Expiry
09/05/2023
7:17:26 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Allowed IP addresses
for example, 168.1.5.65 or 168.1.5.65-168.1....
Allowed protocols
HTTPS only
HTTPS and HTTP
Generate SAS token and URL


Microsoft Azure
Search resources, services, and docs (G+/)
Shellunext_1693422686...
UNEXT (NPUNEXT.ONMICROSOF...
Home > f-demo >
AzureStorage.txt
Blob
Save
Discard
Download
Refresh
Delete
Start and expiry date/time
Start
09/05/2023
11:17:26 AM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Expiry
09/05/2023
7:17:26 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Allowed IP addresses
for example, 168.1.5.65 or 168.1.5.65-168.1....
Allowed protocols
HTTPS only
HTTPS and HTTP
Generate SAS token and URL
Blob SAS token
sp=r&st=2023-09-05T05:47:26Z&se=2023-09-05T13:47:26Z&spr=https&sv=2022-11-02&sr=b&sig=RyN356TR1iBJpb0UOBvtU%2FdyflSJF1JgIBI3wm%2BaOdo%3D
Copied
Blob SAS URL
https://prernastorage21grs.blob.core.windows.net/f-demo/AzureStorage.txt?sp=r&st=2023-09-05T05:47:26Z&se=2023-09-05T13:47:26Z&spr=https&sv=2022-11-02&sr=b&sig=RyN356TR1iBJpb...

```
SID,NAME,SUBJECT,MARKS
1,MIKE,MATHS,80
1,MIKE,SCIENCE,75
1,MIKE,ENGLISH,85
1,MIKE,SOCIAL SCIENCE,70
1,MIKE,PHYSICAL EDUCATION,90
3,before,screenshot,20
```

Creating data factory-

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Azure Data Factory allows you to configure a Git repository with either Azure DevOps or GitHub. Git is a version control system that allows for easier change tracking and collaboration.
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Transform your data using data flows.
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Manage & run your SSIS packages in the cloud.
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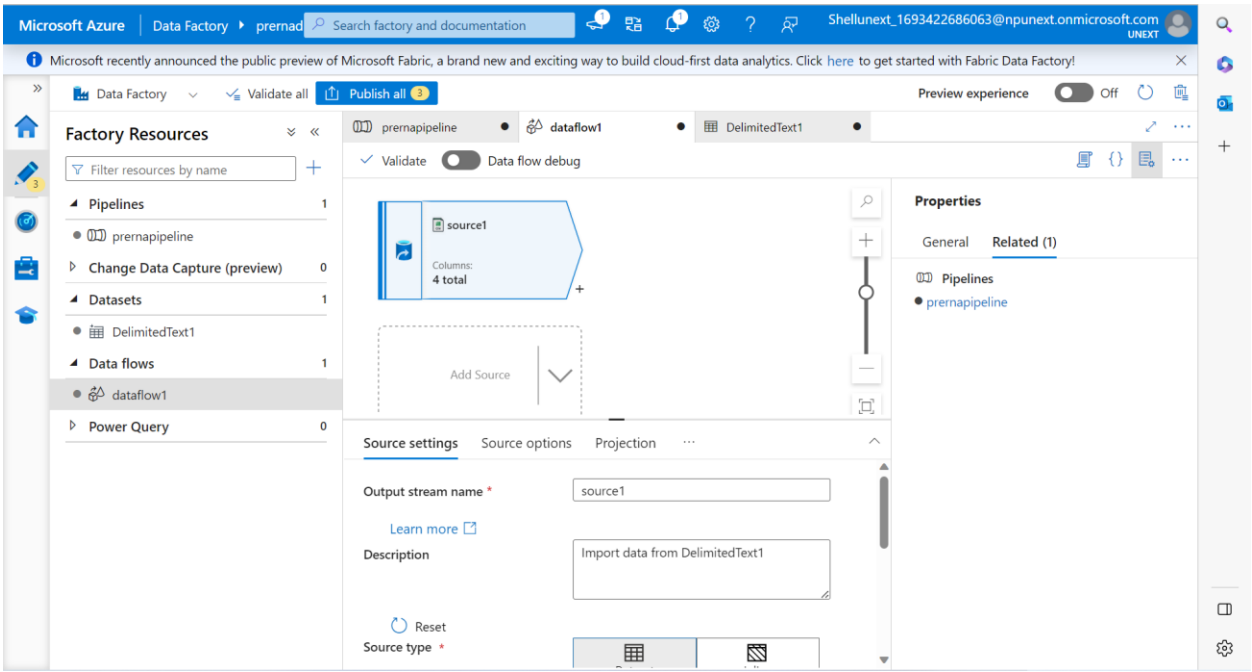
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