Name: Zanenhlanhla.Tshenolo.Konjwayo

ST10384670

CLOUDDEV2

LINKS....

**Deployed Application URL:**

🔗 https://functionapp3-gzbkh0hqgvdbgwdq.southafricanorth-01.azurewebsites.net

**GitHub Repository Link:**

*VCDN-2025/cldv6212-poe-part-2-ST10384670 at master*

*VCDN-2025/cldv6212-poe-part-2-ST10384670: cldv6212-poe-part-2-ST10384670 created by GitHub Classroom*

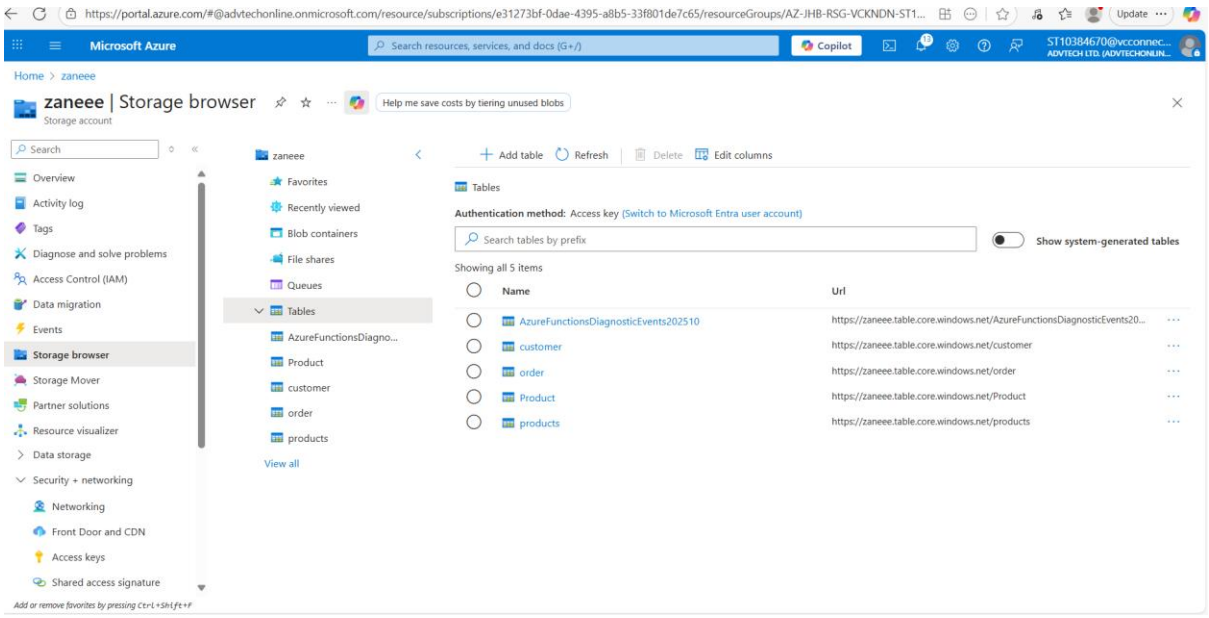
***cldv6212-poe-part-2-ST10384670***

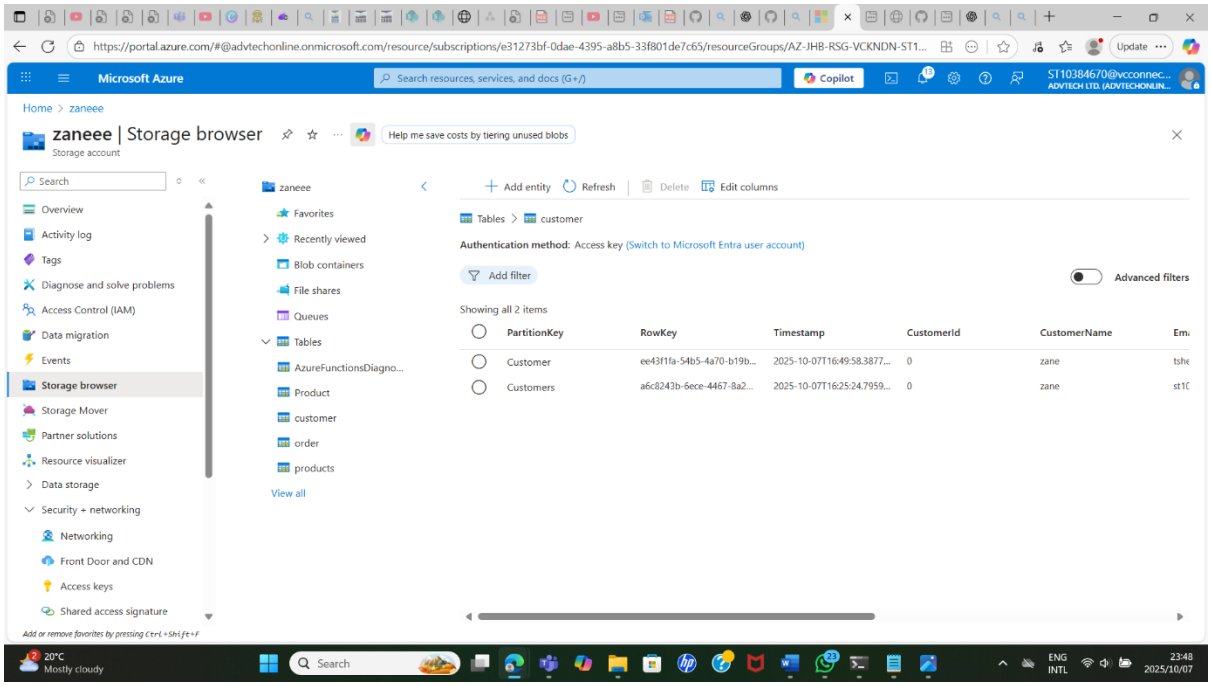
*I have to separate codes for my functionApp and my mvc app both linked but diff codes on is on master and the other is on main*

*And both un and connect to my storage account equally*

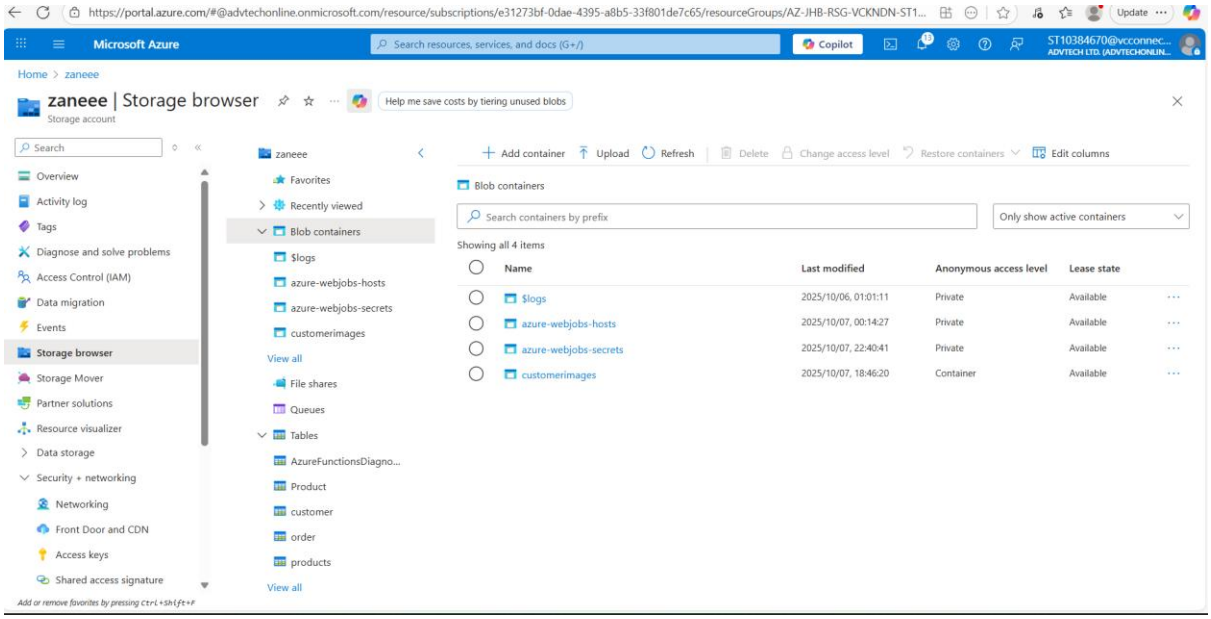
Screenshots of Successful Implementation

**Table Storage entries** (after storing data).

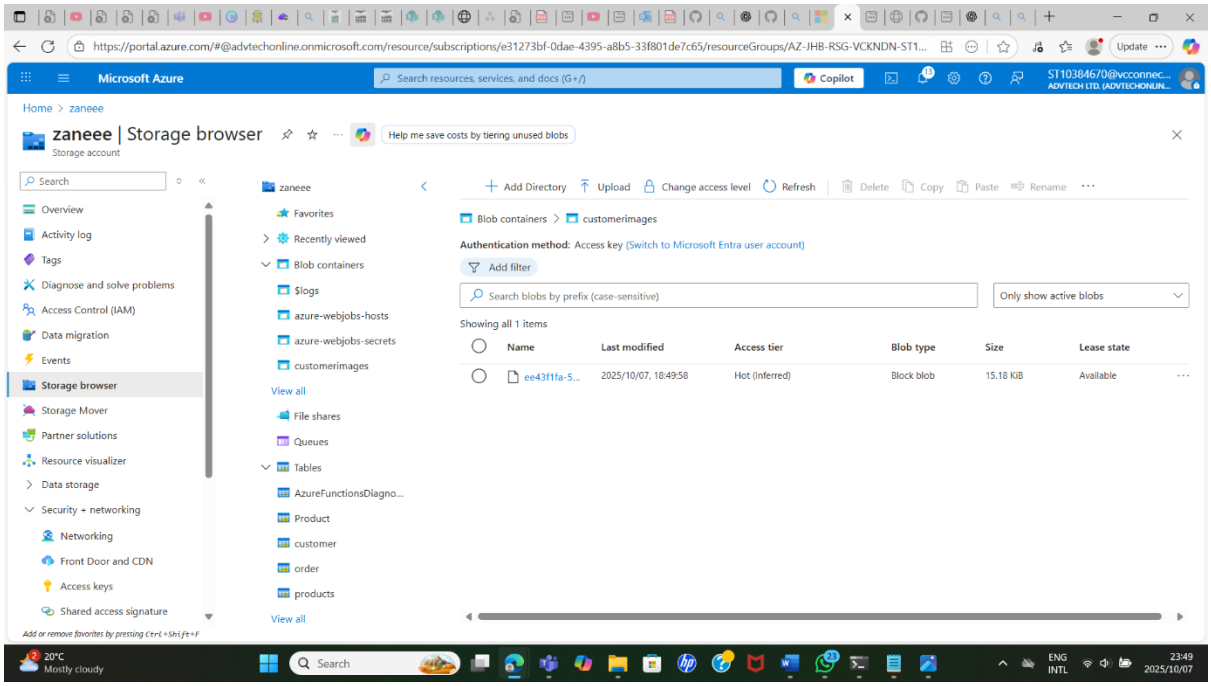




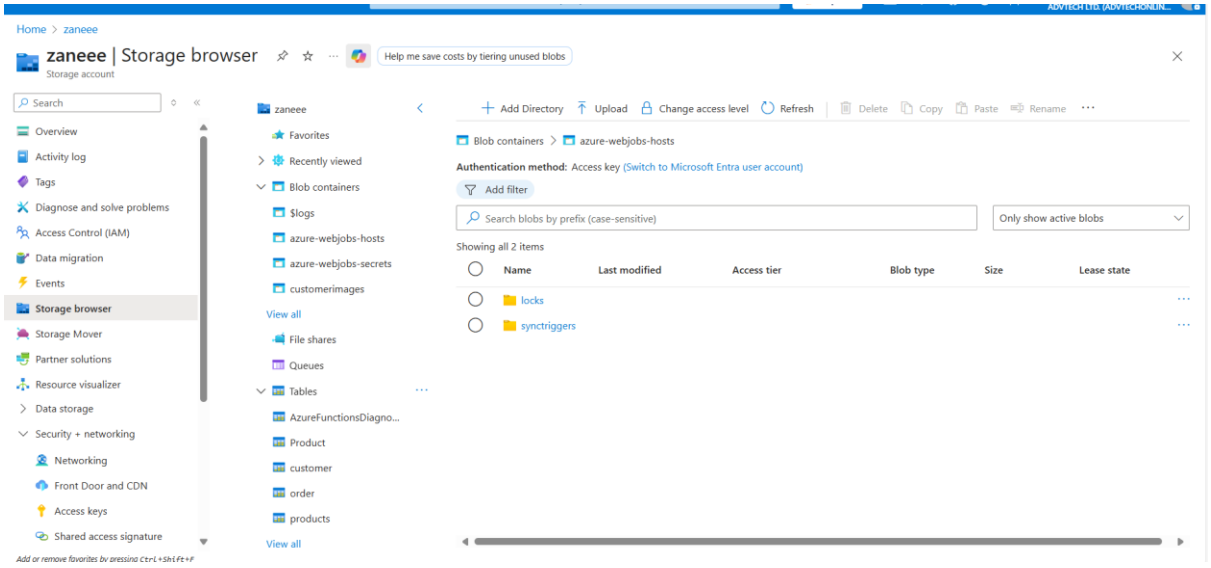

**Blob upload confirmation.**



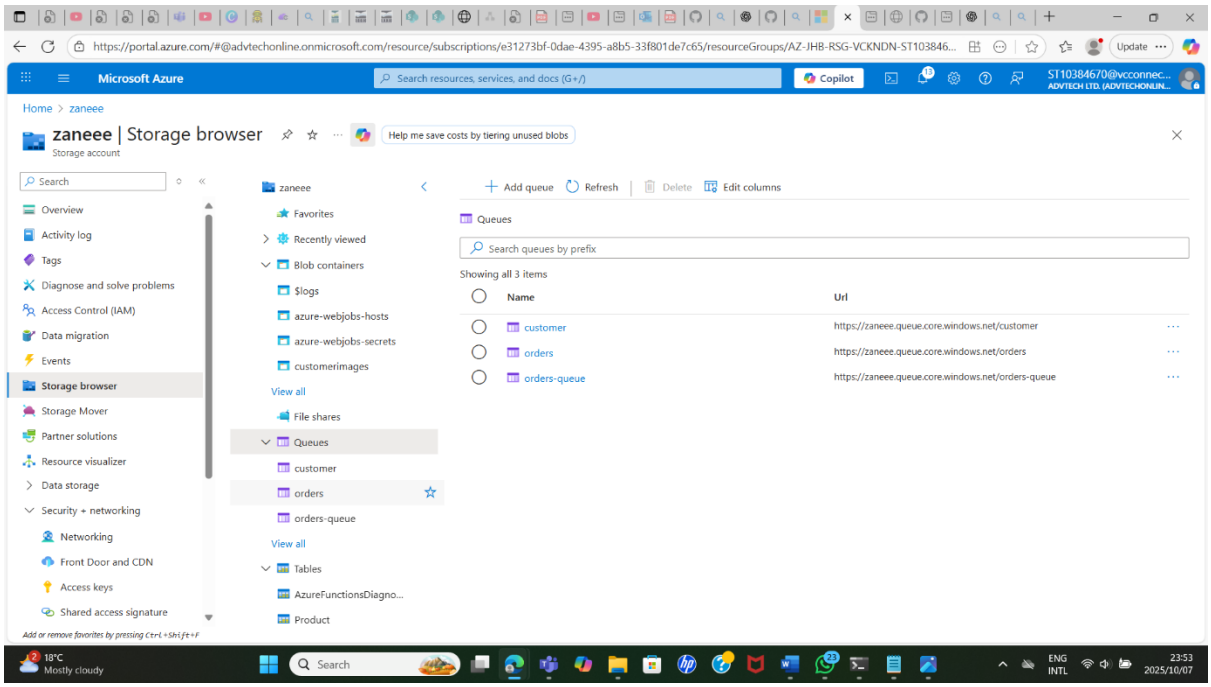

Blob container



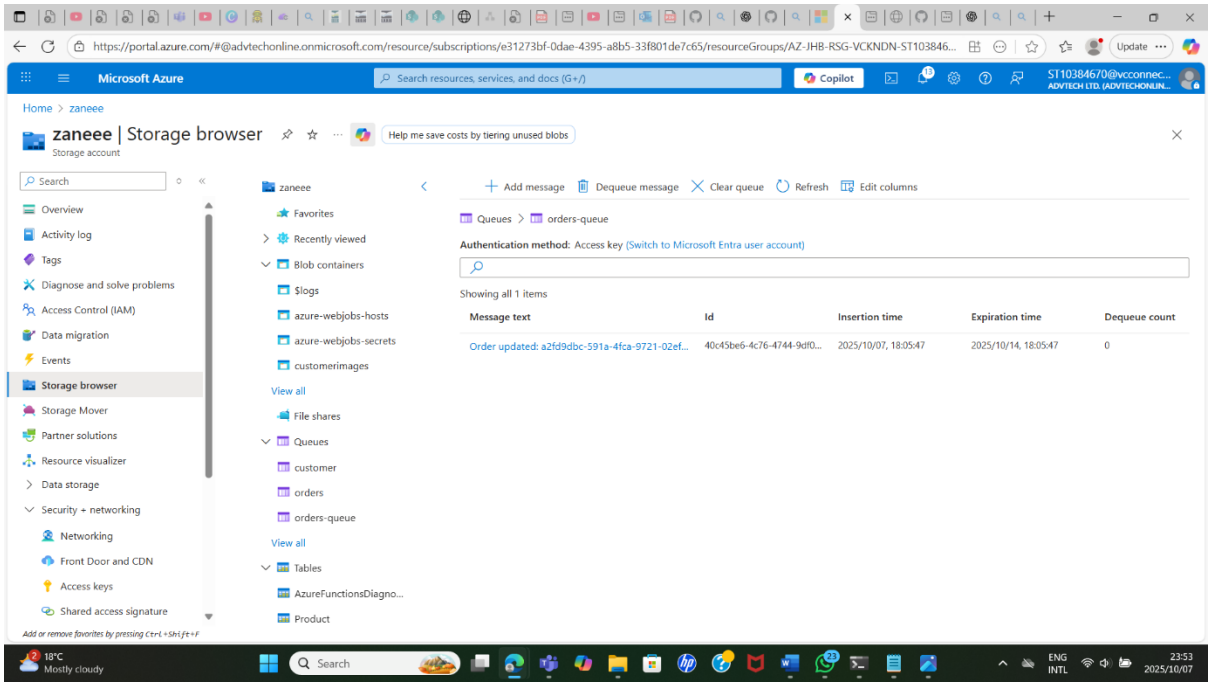

## Customer blob images



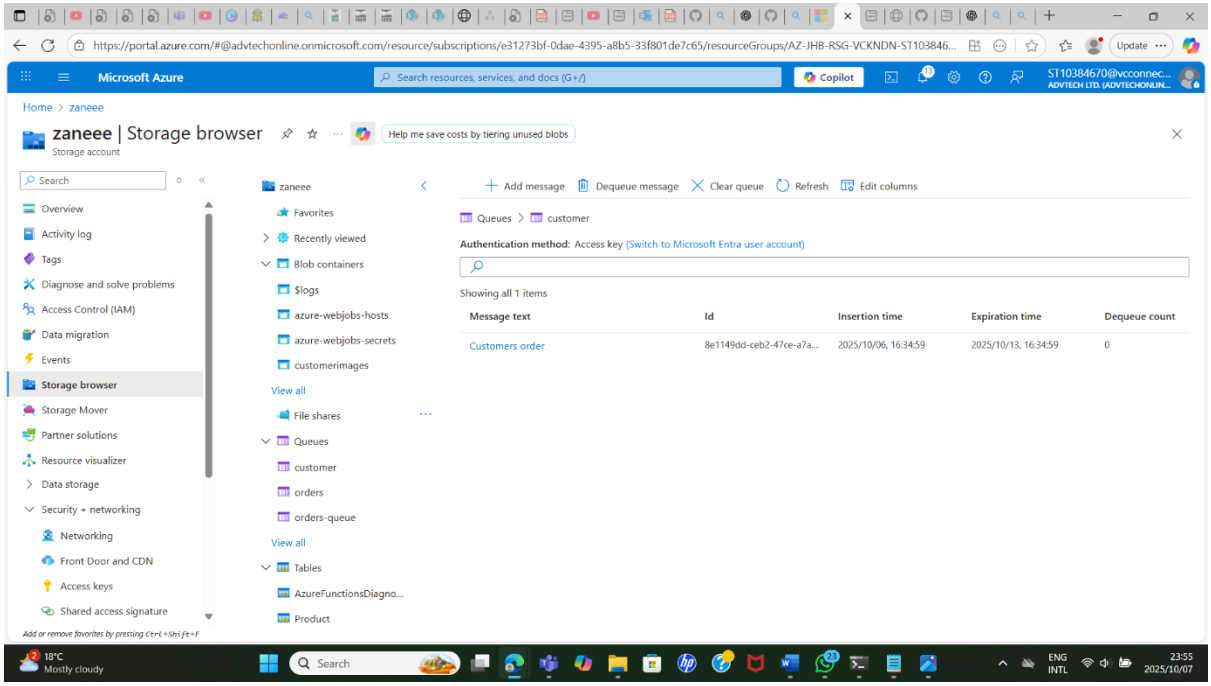
**Queue message visible in Azure Storage Explorer.**

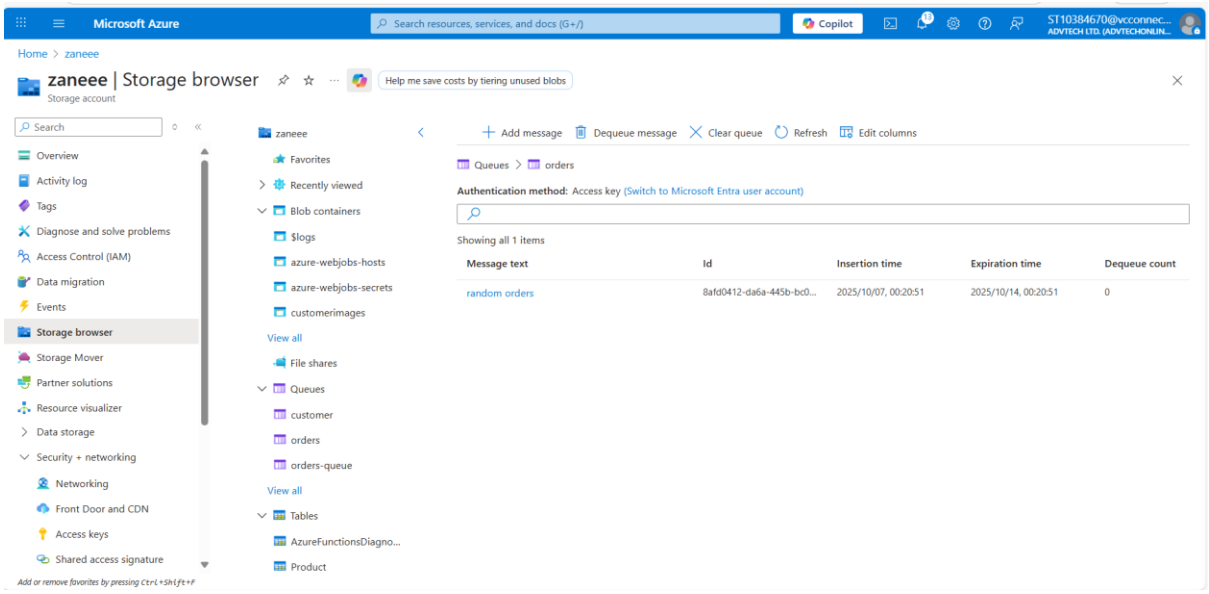



Order queue

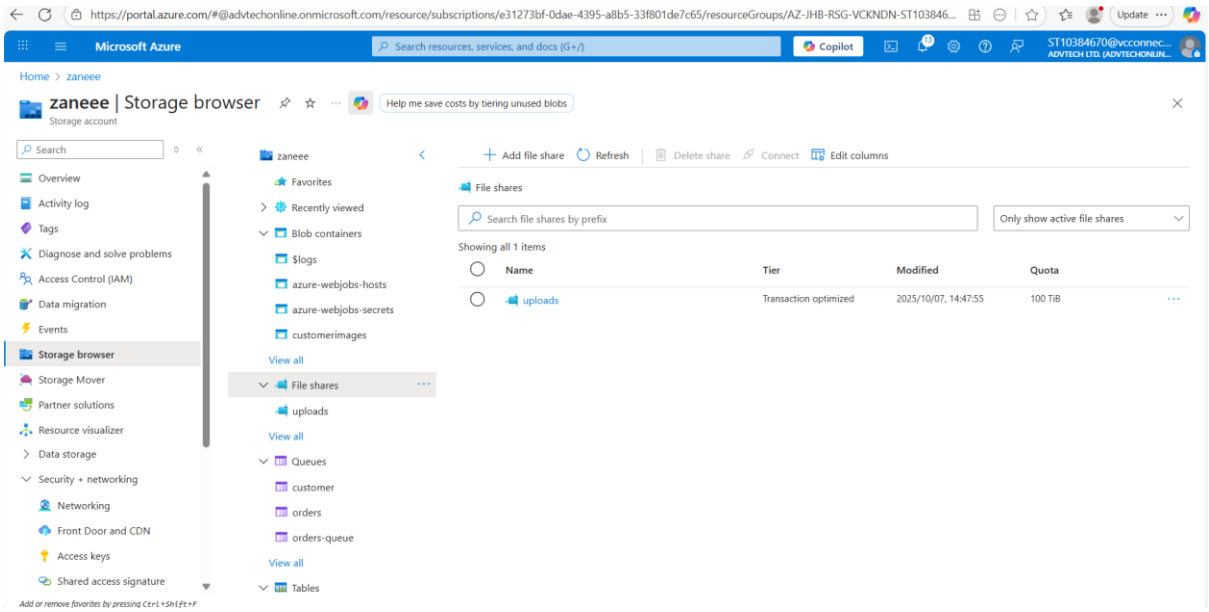

Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > zaneee
zaneee | Storage browser
Storage account
Help me save costs by tiering unused blobs
Add message
Dequeue message
Clear queue
Refresh
Edit columns
Queues > orders-queue
Authentication method: Access key (Switch to Microsoft Entra user account)
Showing all 1 items
Message text
Id
Insertion time
Expiration time
Dequeue count
Order updated: a2fd9dbc-591a-4fca-9721-02ef...
40c45be6-4c76-4744-9df0...
2025/10/07, 18:05:47
2025/10/14, 18:05:47
0

## Customer q


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > zaneee
zaneee | Storage browser
Storage account
Help me save costs by tiering unused blobs
Add message
Dequeue message
Clear queue
Refresh
Edit columns
Queues > customer
Authentication method: Access key (Switch to Microsoft Entra user account)
Showing all 1 items
Message text
Id
Insertion time
Expiration time
Dequeue count
Customers order
8e1149dd-ceb2-47ce-a7a...
2025/10/06, 16:34:59
2025/10/13, 16:34:59
0

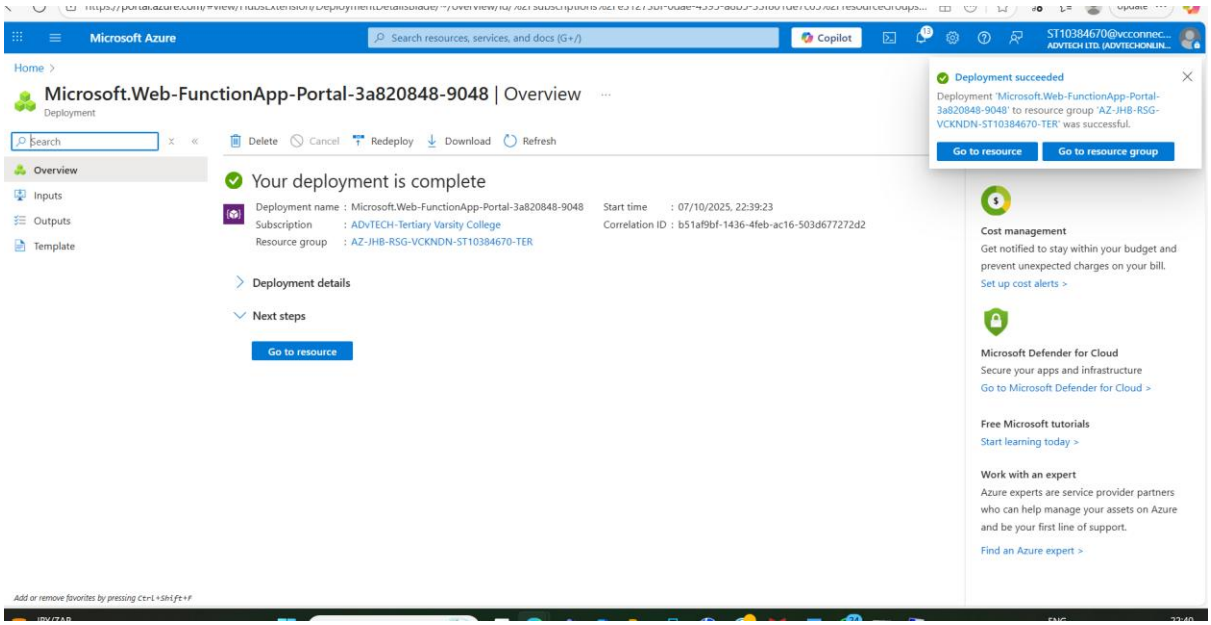



**Azure Files or File Share content upload confirmation.**




File share, my content is called uploads

**Deployed Function App dashboard** (showing all functions deployed).



App deployment

**Section B**: Using Azure Event Hubs Services to Enhance the Customer Experience

The system could incorporate Azure Event Hubs to manage streaming data in real time, including:

monitoring consumer behaviour and product consumption.
gathering event logs for analytics purposes from the web application.
enabling real-time dashboards for store managers to keep an eye on system health or sales.
Value Added: Facilitates data-driven decision-making and enhances responsiveness.

Event Bus for Azure (Service Bus)

Communication between application components and dependable message queuing are made possible by Azure Service Bus.
It might:

Handle alerts and order confirmations asynchronously.

Organise the backend services, other APIs, and the web application's interactions.

Value Added: Enhances user experience by guaranteeing that messages are processed when systems are ready, even in the event that one service is momentarily unavailable.

**References**


1. Microsoft Learn. (2025). *Azure Functions Overview.* Retrieved from https://learn.microsoft.com/en-us/azure/azure-functions/
2. Microsoft Learn. (2025). *Azure Storage Documentation*. Retrieved from https://learn.microsoft.com/en-us/azure/storage/
3. Microsoft Learn. (2025). *Event Hubs and Service Bus*. Retrieved from https://learn.microsoft.com/en-us/azure/event-hubs/