

# Presentation

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## Screenshots

The screenshot displays the Microsoft Azure portal interface. The browser address bar shows the URL: `portal.azure.com/#@senecacollegelabs.onmicrosoft.com/resource/subscriptions/71d310bf-1718-4d11-87d1-99a7d4e2053f/res...`. The page title is 'Student-RG-1887890' with the subtitle 'Resource group'. Below the title, there are buttons for 'Create', 'Manage view', 'Delete resource group', 'Refresh', 'Export to CSV', and 'Open query'. A search bar is also present. The left sidebar lists various management tools: Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Cost Management, Monitoring, Automation, and Help. The main content area shows a table of resources within the resource group, filtered by 'Type equals all' and 'Location equals all'. The table has columns for Name, Type, and Location. The resources listed are:

Name	Type	Location
CanadaEastLinuxDynamicPlan	App Service plan	Canada East
ecommibus153260237	Service Bus Namespace	Canada East
ecommfunc153260237	Function App	Canada East
ecommstore153260237	Storage account	Canada East
NW-Web-PIP	Public IP address	Canada Central
Student-1887890-vnet	Virtual network	Canada Central
WebSubnet-nsg	Network security group	Canada Central

## Storage Account – Container View

azure-webjobs-secrets - Micro...Recording-20251107\_182549.v...Mail - Amit Kumar - Outlook...amitkumar628/CSP451-azure-+...+

portal.azure.com/#view/Microsoft\_Azure\_Storage/ContainerMenuBlade/~~/overview/storageAccountId/%2Fsubscriptions%2F71...

AppsGmailYouTubeDaily jobGTA San Andreas UL...Worldfree4u | The...150% Margin Rule b...Allied Universal secr...GuardsAll Bookmarks

Microsoft AzureSearch resources, services, and docs (G+/)Copilotodl\_user\_1887890@sen...SENECA COLLEGE (SENECACOLLE...

Home > Student-RG-1887890 > ecommstore153260237 | Containers >

azure-webjobs-secretsContainer

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

+ Add Directory

Upload

Refresh

Delete

Copy

Paste

Rename

Acquire lease

Break lease

Edit columns

azure-webjobs-secrets > ecommfunc153260237

Authentication method: Access key (Switch to Microsoft Entra user account)

Search blobs by prefix (case-sensitive)Only show active blobs

Showing all 4 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type	Size	Lease state	
<input type="checkbox"/>	[.]						...
<input type="checkbox"/>	createorder.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	518 B	Available	...
<input type="checkbox"/>	getproducts.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	518 B	Available	...
<input type="checkbox"/>	host.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	827 B	Available	...
<input type="checkbox"/>	processorder.json	11/7/2025, 3:04:31 PM	Hot (Inferred)	Block blob	518 B	Available	...

Add or remove favorites by pressing Ctrl+Shift+F

Type here to search

Taskbar icons: File Explorer, Edge, Mail, Calendar, Photos, Settings, Chrome, Word, Teams

System tray: Network, Volume, ENG, 7:00 PM, 2025-11-07

## Ecommfunc

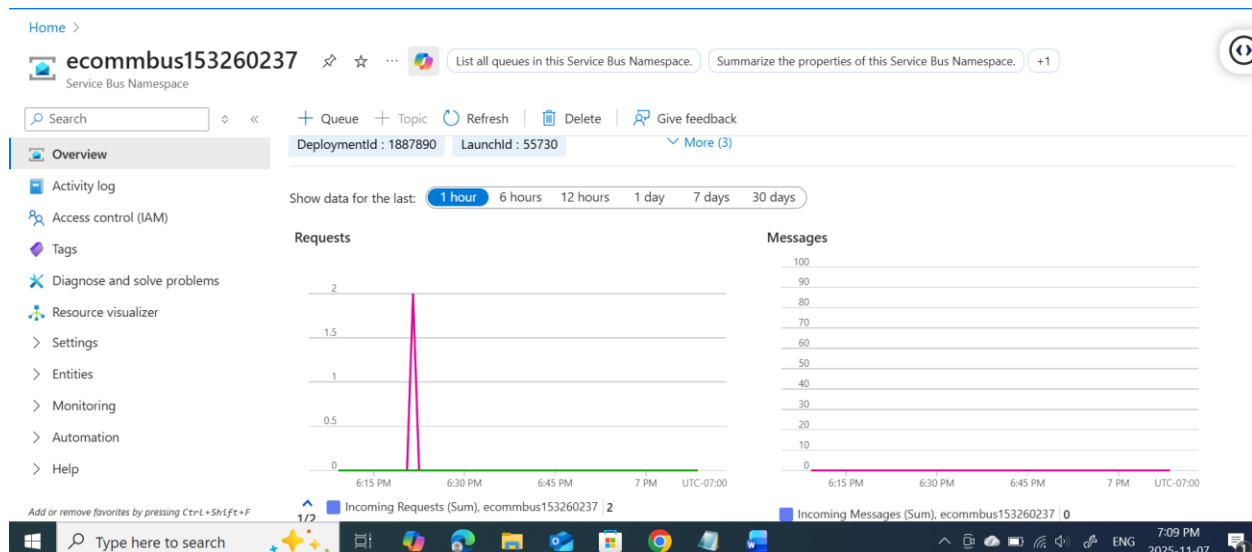
Microsoft Azure portal showing the 'ecomfunc153260237' Function App. The interface includes a left sidebar with navigation options like Overview, Activity log, Access control, and Functions. The main content area shows the app's tags (DeploymentId: 1887890, LaunchId: 55730) and a table of functions. Two functions are listed: 'CreateOrder' and 'GetProducts', both with HTTP triggers and 'Enabled' status. A warning banner at the top indicates migration to Flex Consumption by September 30, 2028.

Name	Trigger	Status	Monitor
CreateOrder	HTTP	Enabled	Invocations and more
GetProducts	HTTP	Enabled	Invocations and more

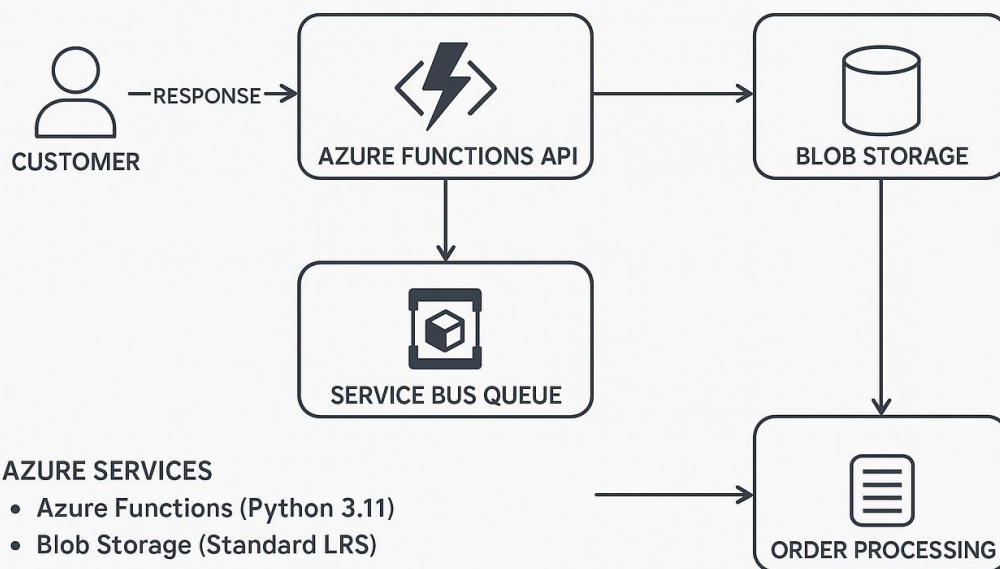
## Ecommobus Screenshort

Microsoft Azure portal showing the 'ecommbus153260237' Service Bus Namespace. The interface includes a left sidebar with navigation options like Overview, Activity log, Access control, and Settings. The main content area shows the namespace's essentials, including resource group (Student-RG-1887890), status (Succeeded), location (Canada East), and subscription (Seneca College: CSP451NIA - 1001). A table of properties shows details like Created (Friday, November 7, 2025), Updated (Friday, November 7, 2025), Pricing tier (Basic), Zone Redundancy (Not Enabled), and Local Authentication (Enabled).

Property	Value
Resource group	Student-RG-1887890
Status	Succeeded
Location	Canada East
Subscription	Seneca College: CSP451NIA - 1001
Subscription ID	71d310bf-1718-4d11-87d1-99a7d4e2053f
Host name	ecommbus153260237.servicebus.windows.net
Created	Friday, November 7, 2025
Updated	Friday, November 7, 2025
Pricing tier	Basic
Zone Redundancy	Not Enabled
Local Authentication	Enabled



## - ARCHITECTURE DIAGRAM



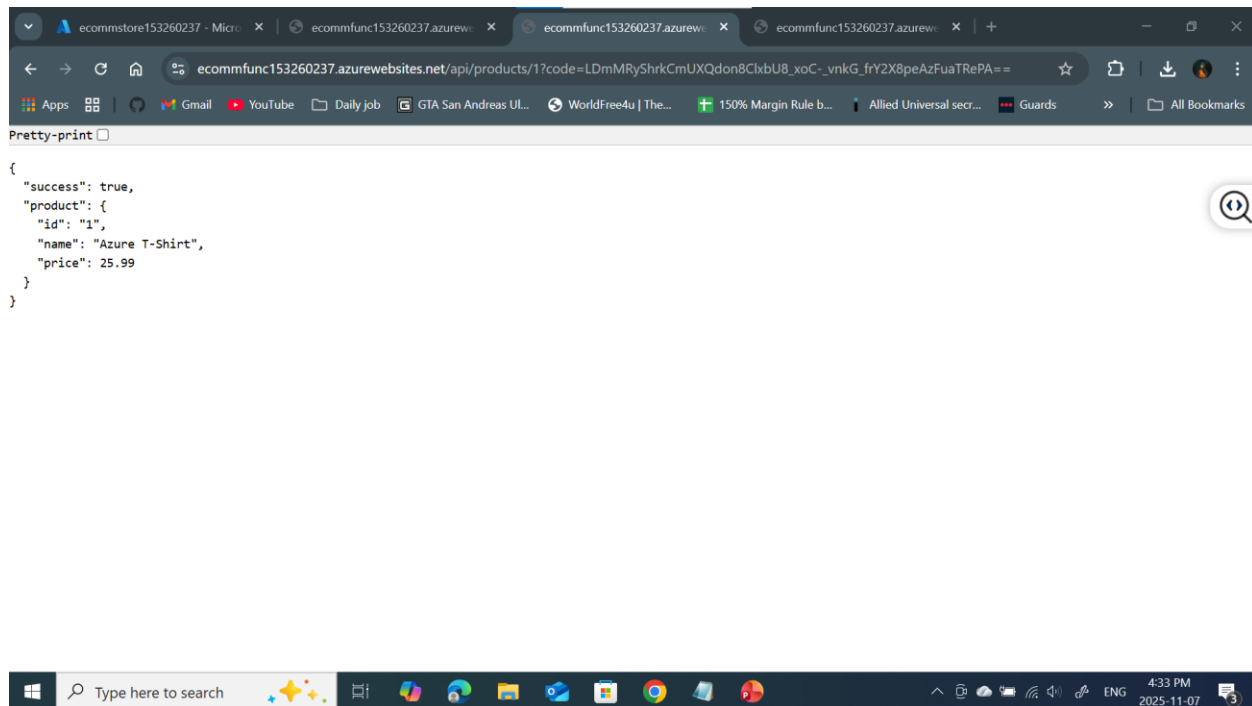
### AZURE SERVICES

- Azure Functions (Python 3.11)
- Blob Storage (Standard LRS)
- Service Bus (Basic Tier)
- Function Key Authentication

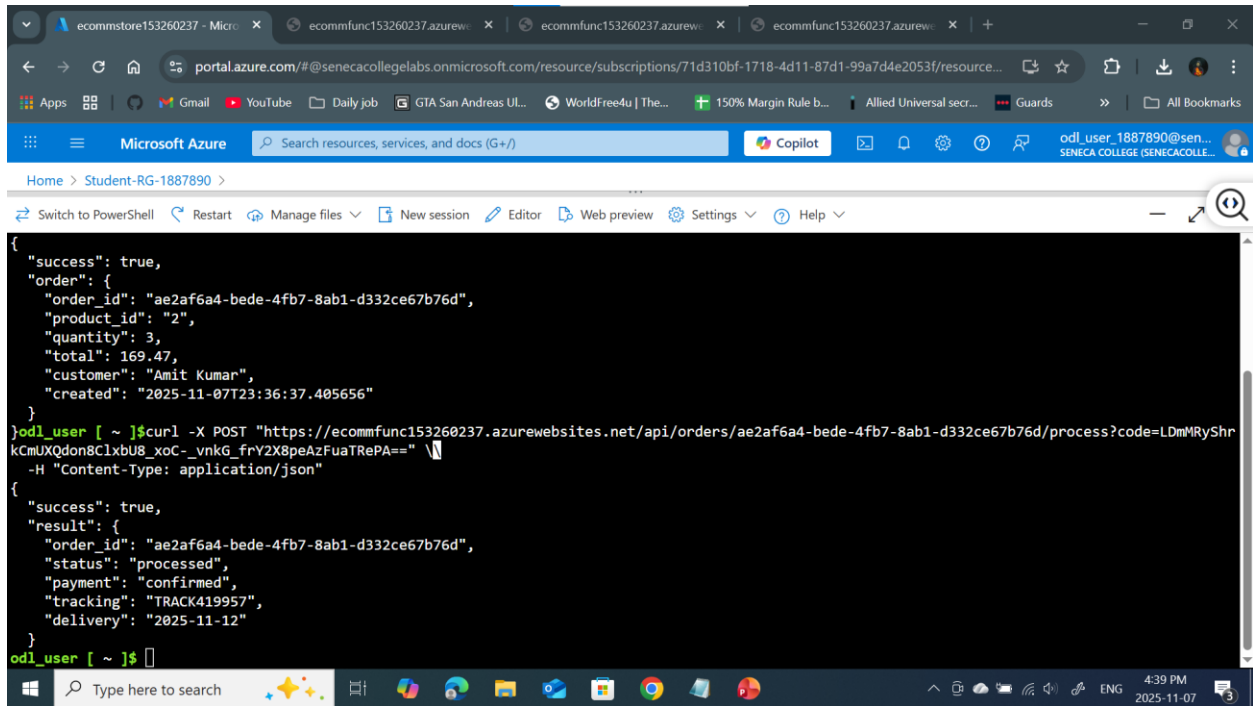
REGION: Canada East

RESOURCE GROUP: Studdent-RG-1887890

## Single Product Lookup



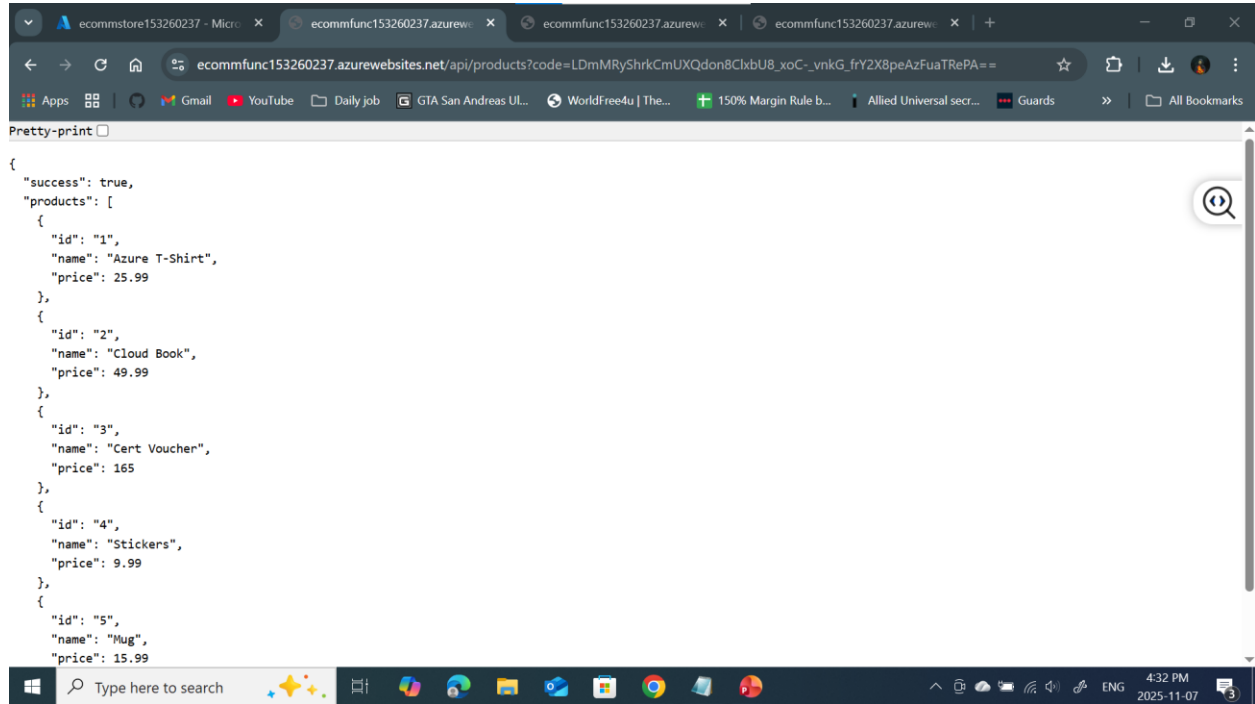
## Process Order terminal screenshot



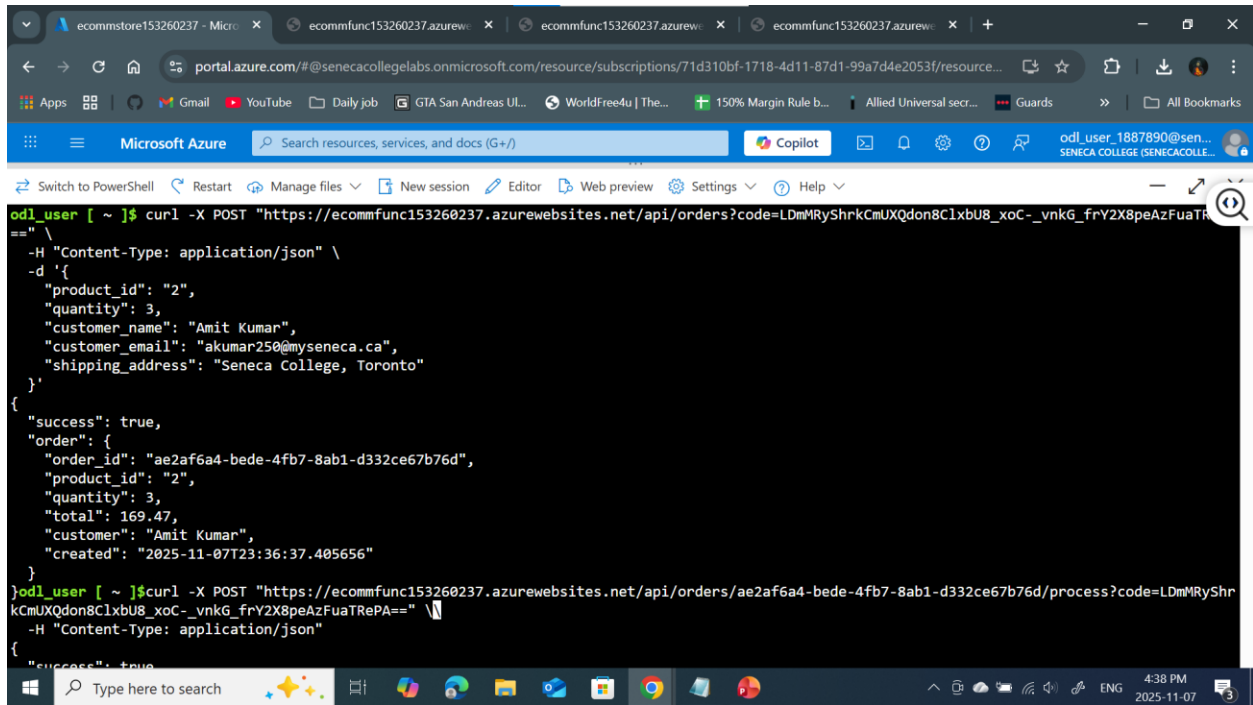
The screenshot shows a terminal window within the Microsoft Azure portal. The terminal displays a REST client request and its response. The request is a POST to the Azure API endpoint for processing an order. The response is a JSON object indicating success and providing details about the processed order, including its ID, status, payment confirmation, tracking number, and delivery date.

```
{
  "success": true,
  "order": {
    "order_id": "ae2af6a4-bede-4fb7-8ab1-d332ce67b76d",
    "product_id": "2",
    "quantity": 3,
    "total": 169.47,
    "customer": "Amit Kumar",
    "created": "2025-11-07T23:36:37.405656"
  }
}odl_user [ ~ ]$curl -X POST "https://ecomfunc153260237.azurewebsites.net/api/orders/ae2af6a4-bede-4fb7-8ab1-d332ce67b76d/process?code=LDmMRyShrkCmUXQdon8ClxbU8_xoC-_vnkG_frY2X8peAzFuaTRePA==" \
-H "Content-Type: application/json"
{
  "success": true,
  "result": {
    "order_id": "ae2af6a4-bede-4fb7-8ab1-d332ce67b76d",
    "status": "processed",
    "payment": "confirmed",
    "tracking": "TRACK419957",
    "delivery": "2025-11-12"
  }
}odl_user [ ~ ]$
```

## Browser Testing Results



## Terminal Testing



```
odl_user [ ~ ]$ curl -X POST "https://ecomfunc153260237.azurewebsites.net/api/orders?code=LDMrYShrkCmUXQdon8ClxbU8_xoC-_vnkG_frY2X8peAzFuaTR"
==> \
-H "Content-Type: application/json" \
-d '{
  "product_id": "2",
  "quantity": 3,
  "customer_name": "Amit Kumar",
  "customer_email": "akumar250@myseneca.ca",
  "shipping_address": "Seneca College, Toronto"
}'
{
  "success": true,
  "order": {
    "order_id": "ae2af6a4-bede-4fb7-8ab1-d332ce67b76d",
    "product_id": "2",
    "quantity": 3,
    "total": 169.47,
    "customer": "Amit Kumar",
    "created": "2025-11-07T23:36:37.405656"
  }
}
odl_user [ ~ ]$ curl -X POST "https://ecomfunc153260237.azurewebsites.net/api/orders/ae2af6a4-bede-4fb7-8ab1-d332ce67b76d/process?code=LDMrYShrkCmUXQdon8ClxbU8_xoC-_vnkG_frY2X8peAzFuaTR"
-H "Content-Type: application/json"
{
  "success": true
}
```

Youtube LINK :

<https://youtu.be/0qFh49-dCbE>

Github link :

<https://github.com/amitkumar628/CSP451-azure-e-commerce-api>