

## LAB 1 & 2:

A screenshot of the Microsoft Azure portal showing the 'Recent' blade. The URL is [portal.azure.com/#view/HubsExtension/BrowseRecentResources.ReactView](https://portal.azure.com/#view/HubsExtension/BrowseRecentResources.ReactView). The blade displays a list of recent resources, including Function Apps, Resource groups, Storage accounts, and App Services. The resources listed are: funclogicmonish (Function App, East Asia, Serverless, Free Trial, 20 seconds ago), Serverless (Resource group, Serverless, Free Trial, 1 minute ago), funcstormonish (Storage account, Serverless, Free Trial, 4 minutes ago), imgwebmonish (App Service, East US, ManagedPlatform, Free Trial, 20 minutes ago), ManagedPlatform (Resource group, East US, ManagedPlatform, Free Trial, 20 minutes ago), imgstormonish (Storage account, ManagedPlatform, Free Trial, 24 minutes ago), and imgapimonish (App Service, East US, ManagedPlatform, Free Trial, 20 minutes ago). The table has columns for Name, Type, Location, Resource Group, Subscription, and Last accessed.

Name	Type	Location	Resource Group	Subscription	Last accessed
funclogicmonish	Function App	East Asia	Serverless	Free Trial	20 seconds ago
Serverless	Resource group		Serverless	Free Trial	1 minute ago
funcstormonish	Storage account		Serverless	Free Trial	4 minutes ago
imgwebmonish	App Service	East US	ManagedPlatform	Free Trial	20 minutes ago
ManagedPlatform	Resource group	East US	ManagedPlatform	Free Trial	20 minutes ago
imgstormonish	Storage account		ManagedPlatform	Free Trial	24 minutes ago
imgapimonish	App Service	East US	ManagedPlatform	Free Trial	20 minutes ago

Showing 1 - 7 of 7 results.

[Give feedback](#)

A screenshot of the Microsoft Azure portal showing the details of the 'ManagedPlatform' resource group. The URL is [portal.azure.com/#@M7711541outlook.onmicrosoft.com/resource/subscriptions/e5d645ad-f706-4f2d-9c18-b7dfe374f9f0/resourceGroups/DefaultResourceGroup-EUS/overview](https://portal.azure.com/#@M7711541outlook.onmicrosoft.com/resource/subscriptions/e5d645ad-f706-4f2d-9c18-b7dfe374f9f0/resourceGroups/DefaultResourceGroup-EUS/overview). The blade shows the 'Overview' section with links to Activity log, Access control (IAM), Tags, Resource visualizer, and Events. It also shows the 'Settings' section with links to Deployments, Security, Deployment stacks, Policies, Properties, and Locks. A modal dialog is open in the center, prompting the user to switch between a list view and a summary chart view of resource counts. The list view table shows the following resources:

Name	Type	Location	...
imgapimonish	App Service	East US	...
imgstormonish	Storage account	East US	...
imgwebmonish	App Service	East US	...
ManagedPlan	App Service plan	East US	...

Microsoft Azure | Upgrade | Search resources, services, and docs (G+) | portal.azure.com/#@M7711541outlook.onmicrosoft.com/resource/subscriptions/e5d645ad-f706-4f2d-9c18-b7dfe374f0/resourceGroups/DefaultResourceGroup-EUS/overview | M7711541@outlook.com | DEFAULT DIRECTORY

Home > Recent >

### Recent

Serverless

Resource group

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Locks

Cost Management

Name ↑

funclogicmonish

Serverless

funcstormonish

imgwebmonish

imgapimonish

ManagedPlatform

imgstormonish

Show 1 - 7 of 7 results.

Switch between a list view of your resources and a summary chart view of resource counts.

Filter for any field... Type equals all

Showing 1 to 6 of 6 records. Show hidden types

List view

Name	Type	Location
Application Insights Smart Detection	Action group	Global
ASP-Serverless-927d	App Service plan	East Asia
Failure Anomalies - funclogicswarnas	Smart detector alert rule	Global
funclogicmonish	Application Insights	East Asia
funclogicmonish	Function App	East Asia
funcstormonish	Storage account	East US

Page 1 of 1

imgwebmonish.azurewebsites.net

Myinfo Main Imported Bookmarks bar azure environment Microsoft Teams: AI... Jobick: Job Admin... template All Bookmarks

Upload a new image

Choose image

Browse

Upload

# Images



## LAB 3,4,5 & 6 :

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is <https://portal.azure.com/quickstart=true@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (M7711541@outlook.com). The main page title is "msdocs-storage-function". The left sidebar contains sections for Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings (Deployments, Security, Deployment stacks, Policies, Properties, Locks), and Cost Management. The main content area is titled "Essentials" and shows a list of resources under "Resources". A modal window titled "Switch between a list view of your resources and a summary chart view of resource counts." is open, with a "CLOSE" button. The resource list includes:

Name	Type	Location	Actions
EastAsiaPlan	App Service plan	East Asia	...
msdocscomputervision7	Computer vision	East Asia	...
msdocsprocessimage7	Function App	East Asia	...
msdocsstoragefunction7	Storage account	East Asia	...

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is <https://portal.azure.com/quickstart=true@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92b14afc64001>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (M7711541@outlook.com). The main page title is "msdocsprocessimage7". The left sidebar contains sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Microsoft Defender for Cloud, Events (preview), Functions (App keys, App files, Proxies), Deployment (Deployment slots, Deployment Center), Metrics, Properties, and Notifications (0). The main content area shows the function app configuration. Key details include:

- Location (move): East Asia
- Subscription (move): Free Trial
- Subscription ID: e1c29467-df68-4049-9ff4-92b14afc6482
- Tags (edit): Add tags
- Functions: One function named "ProcessImageUpload" is listed.

Name	Trigger	Status	Monitor
ProcessImageUpload	Blob	Enabled	Invocations and more

portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92b14afc64001

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

Home > msdocsstoragefunction7

## msdocsstoragefunction7 | Storage browser

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**

msdocsstoragefunction7

Favorites

Recently viewed

Blob containers

File shares

Queues

Tables

ImageText

Add table Refresh Delete Edit columns

Tables

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

Search tables by prefix

Show system-generated tables

Showing all 1 items

Name	Url
ImageText	https://msdocsstoragefunction7.table.core.windows.net/ImageText

View all

portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92b14afc64001

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

Home > msdocsstoragefunction7

## msdocsstoragefunction7 | Storage browser

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**

msdocsstoragefunction7

Favorites

Recently viewed

Blob containers

File shares

Queues

Tables

ImageText

Add entity Refresh Delete Edit columns

Tables > ImageText

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

Add filter Advanced filters

Showing all 4 items

PartitionKey	RowKey	Timestamp	Text
Images	327a7d6b-1ab8-4a0d-b...	2023-12-27T11:43:12.68...	jbdjk cdkgfbjsdnf dsn...
Images	be9621ff-85e7-4c97-bb...	2023-12-27T11:43:52.26...	Monish Ajith
Images	c79351ff-b3ff-4028-b79...	2023-12-27T11:43:12.68...	Monish Ajith
Images	f34e7561-fb52-4b44-8a...	2023-12-27T11:43:12.69...	Adventure Works Cyc...

View all

Screenshot of the Microsoft Azure portal showing the "Edit entity" screen for a Storage account named "msdocsstoragefunction7".

The left sidebar shows navigation links for 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), and a search bar.

The main area displays the "Edit entity" form with the following properties:

Property Name	Type	Value
PartitionKey	String	Images
RowKey	String	fb7e7e20-2d0d-44dd-9739-a902c5407181
Timestamp	DateTi...	2023-12-27T11:01:51.2875385Z
Text	String	Monish Ajith

Buttons at the bottom include "Add property", "Update", and "Cancel".

Screenshot of the Microsoft Azure portal showing the "Resource groups" screen for a resource group named "StorageMedia".

The left sidebar shows navigation links for Create, Manage view, Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Deployments, Security, Deployment stacks, Policies, Properties, Locks, and Cost Management, along with a search bar and a "Page" navigation bar.

The main area displays the "StorageMedia" resource group details under the "Essentials" tab. It shows one record in the "Resources" section:

Name	Type	Location
mediastormonish	Storage account	East US

Buttons at the top right include "+ Create", "Manage view", "Delete resource group", "Refresh", "Export to CSV", and "JSON View".

Screenshot of the Microsoft Azure Storage account 'mediastormonish' showing the 'Containers' list.

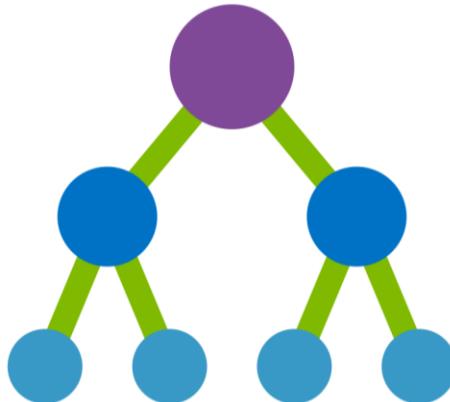
The left sidebar shows the following navigation:

- Home
- Resource groups
- StorageMedia
- mediastormonish

The main area displays the following table of containers:

Name	Last modified	Anonymous access level	Lease state
\$logs	12/29/2023, 5:47:32 PM	Private	Available
compressed-audio	12/29/2023, 5:51:22 PM	Private	Available
raster-graphics	12/29/2023, 5:51:11 PM	Private	Available
vector-graphics	12/29/2023, 6:01:47 PM	Blob	Available

Screenshot of a web browser displaying the URL <http://mediastormonish.blob.core.windows.net/vector-graphics/graph.svg>.



```
graph TD; Root((Purple)) --- Node1((Blue)); Root --- Node2((Blue)); Node1 --- Leaf1((Blue)); Node1 --- Leaf2((Blue)); Node2 --- Leaf3((Blue)); Node2 --- Leaf4((Blue))
```

portal.azure.com/#view/HubsExtension/BrowseRecentResources.ReactView

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

Home > Recent

Manage view Refresh Export to CSV Assign tags Clear Group by none

Subscription equals all Resource Group equals all Type equals all Location equals all + Add filter

Name	Type	Location	Resource Group	Subscription	Last accessed
sgautho	App Service	East Asia	rgauthorsg	Free Trial	54 seconds ago
rgauthorsg	Resource group		rgauthorsg	Free Trial	1 minute ago
sgresourcegroup	Resource group	East Asia	sgresourcegroup	Free Trial	2 minutes ago
stgidentitytoken	Storage account		rgAuthorization	Free Trial	59 minutes ago
rgAuthorization	Resource group		rgAuthorization	Free Trial	1 hour ago
meadiastormonish	Storage account		StorageMedia	Free Trial	1 hour ago
StorageMedia	Resource group	East US	StorageMedia	Free Trial	5 days ago
SampleRegistryName	Container registry	East Asia	sgresourcegroup	Free Trial	7 days ago

Showing 1 - 8 of 8 results. Give feedback

portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92b14afc64001

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

Home > sgautho

Web App

Search Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview)

Deployment Deployment slots Deployment Center

Settings Configuration Authentication Application Insights

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile ...

Essentials

Resource group (move) rgauthorsg Default domain sgautho.azurewebsites.net

Status Running App Service Plan ASP-rgauthorsg-9bb6 (\$1: 1)

Location (move) East Asia Operating System Windows

Subscription (move) Free Trial Health Check Not Configured

Subscription ID e1c29467-df68-4049-9ff4-92b14afc6402

Tags (edit) Add tags

Properties Monitoring Logs Capabilities Notifications Recommendations

Web app Name sgautho

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

Home > Default Directory | Enterprise applications > Enterprise applications | All applications >

## sgautho | Overview

Enterprise Application

**Properties**

- Name: sgautho Copy to clipboard
- Application ID: 1b135d36-e374-4294-96af-...
- Object ID: b27547ea-6604-4c2b-b02f...

**Getting Started**

- 1. Assign users and groups**  
Provide specific users and groups access to the applications  
[Assign users and groups](#)
- 2. Provision User Accounts**  
You'll need to create user accounts in the application  
[Learn more](#)

SG

Overview Deployment Plan Diagnose and solve problems

Manage Properties Owners Roles and administrators Users and groups Single sign-on Provisioning Application proxy Self-service Custom security attributes

Security

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

Home > Recent > sgautho

## sgautho | Authentication

Web App

Recent

- Name: sgautho
- rgauthorsg
- sgresourcegroup
- sgfirstapp
- stgidentitytoken
- rgAuthorization
- mediastormonish
- monishdb
- StorageMedia
- SampleRegistryName

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Deployment Deployment slots Deployment Center Settings Configuration Authentication Application Insights

Authentication settings Edit

Requiring authentication ensures that requests to your app include information about the caller, but your app may still need to make additional authorization decisions to control access. If unauthenticated requests are allowed, any client can call the app and your code will need to handle both authentication and authorization. [Learn more](#)

App Service authentication: Enabled

Restrict access: Require authentication

Unauthenticated requests: Return HTTP 302 Found (Redirect to identity provider)

Redirect to: Microsoft

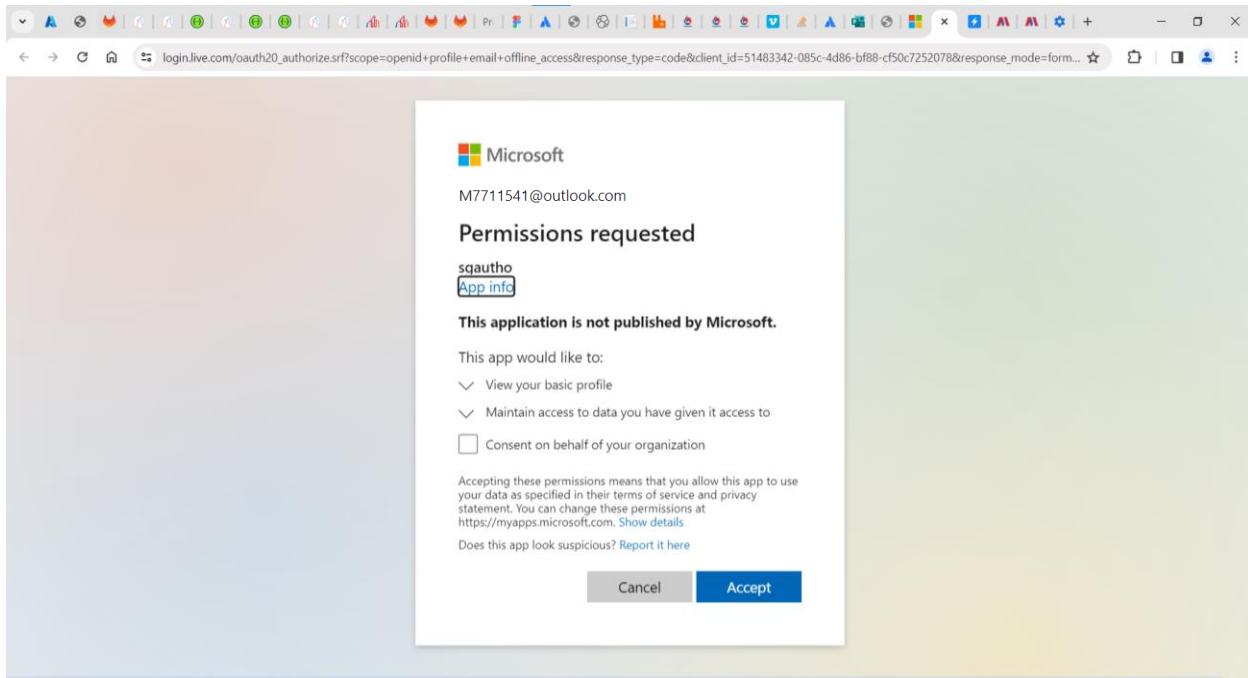
Token store: Enabled

**Identity provider**

Add provider

Identity provider	App (client) ID	Learn more	Edit	Delete
Microsoft (sgautho)	1b135d36-e374-4294-96af-882faf...	<a href="#">Quickstart</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
Google	spines90	<a href="#">Quickstart</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Showing 1 - 10 of 10 results.



portal.azure.com/#view/HubsExtension/BrowseRecentResources.ReactView

Microsoft Azure [Upgrade](#) Search resources, services, and docs (G+)

M7711541@outlook.com DEFAULT DIRECTORY

Home >

Recent

Manage view Refresh Export to CSV Assign tags Clear Group by none

Filter for any field... Subscription equals all Resource Group equals all Type equals all Location equals all Add filter

Name	Type	Location	Resource Group	Subscription	Last accessed
fnkeyvault	Function App	East US	rgkeyvaults	Free Trial	16 seconds ago
rgkeyVaults	Resource group		rgkeyVaults	Free Trial	25 minutes ago
sgkeyVaults	Key vault	East US	rgkeyVaults	Free Trial	33 minutes ago
Free Trial	Subscription			Free Trial	1 day ago
rgauthorsg	Resource group		rgauthorsg	rgauthorsg	2 days ago

Showing 1 - 5 of 5 results. [Give feedback](#)

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

Home > Key vaults > sgkeyvaults

Key vaults

Default Directory (M7711541@outlook.onmicrosoft.com)

+ Create ...

Filter for any field...

Name ↑

sgkeyvaults

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Access policies

Events

Objects

Keys

Secrets

Certificates

Settings

Access configuration

Networking

Page 1 of 1

Resource access

WARNING: You are changing the permission model. This may immediately change users and services that are allowed to access this key vault. You may proceed if this key vault is new, not used in production workloads, or if you are undoing a previous change. Otherwise it's strongly recommended that you perform this action in the beginning of your own planned maintenance event, during which you can test the new configuration and undo if necessary.

Choose among the following options to grant access to specific resource types

Azure Virtual Machines for deployment

Azure Resource Manager for template deployment

Azure Disk Encryption for volume encryption

Apply Discard changes

Updating the key vault 'sgkeyvaults'. The key vault 'sgkeyvaults' has been successfully updated.

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

Home > sgkeyvaults

sgkeyvaults | Access policies

Key vault

+ Create Refresh Delete Edit

Access policies enable you to have fine grained control over access to vault items. [Learn more](#)

Showing 1 to 1 of 1 records.

Name	Email	Key Permissions	Secret Permissions	Certificate Permissions
fnkeyvault				Get, List

The screenshot shows the Microsoft Azure portal interface for a function named "sgkeyhttpttrigger". The "Code + Test" tab is selected. The code editor displays the following C# code:

```

1  #r "Newtonsoft.Json"
2
3  using System.Net;
4  using Microsoft.AspNetCore.Mvc;
5  using Microsoft.Extensions.Primitives;
6  using Newtonsoft.Json;
7
8  public static async Task< IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "GET", Route = null)] HttpRequest req)
9  {
10     string response = JsonConvert.SerializeObject(new { message = "Hello, Monish. This HTTP triggered function executed successfully..." });
11
12     return new OkObjectResult(response);
13 }

```

The "Output" tab is selected, showing the "HTTP response code" as 200 OK and the "HTTP response content" as "Hello, Monish. This HTTP triggered function executed successfully...". Below the output, the "App Insights Logs" section shows the following log entries:

```

executing 'Functions.sgkeyhttpttrigger'
(Reason='This function was programmatically
called via the host APIs.', Id=c2a2985f-ae3d-
4429-a708-f2aeda5b618)
2024-01-09T05:21:06Z [Information] C# HTTP
trigger function processed a request.
2024-01-09T05:21:06Z [Information] Executed
'Functions.sgkeyhttpttrigger' (Succeeded,
Id=c2a2985f-ae3d-4429-a708-f2aeda5b618,
Duration=43ms)

```

At the bottom right, there are "Run" and "Close" buttons.

The screenshot shows the Microsoft Azure portal interface for a key vault named "sgkeyvaults". The "Key vaults" page is displayed. On the left, a sidebar menu includes "Overview", "Activity log", "Access control", "Objects", and "Settings". The main content area is titled "Monish assignments - sgkeyvaults" and shows "Current role assignments" and "Eligible assignments".

**Current role assignments**

Role	Description	Scope	Group assignment	Condition
Key Vault Administrator	Perform all data plane operation...	This resource	--	None
Key Vault Data Access Ac	Manage access to Azure Key Vau...	This resource	--	Add
Owner	Grants full access to manage all r...	This resource	--	Add

**Deny assignments (0)**

**Classic administrators (1)**

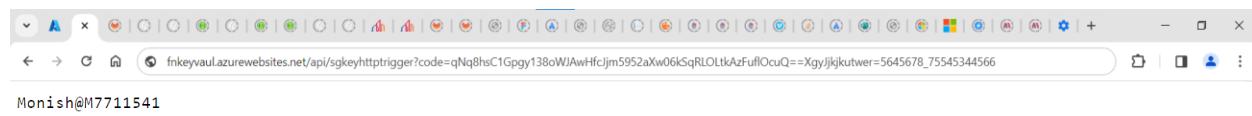
Role	Description
Service Administrator	Has full access to all resources in the subscription

At the bottom left, there is a pagination control showing "Page 1 of 1".

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is `portal.azure.com/?quickstart=true#view/Microsoft_AAD_IAM/ManagedAppMenuBlade/-/Overview/objectId/b27547ea-6604-4c2b-0000-42343e00000000043`. The page title is "sgkeyhttptrigger | Code + Test". The left sidebar shows "fnkeyvault > sgkeyhttptrigger". The main area displays the C# code for the function:

```
1 #r "Newtonsoft.Json"
2
3 using System.Net;
4 using Microsoft.AspNetCore.Mvc;
5 using Microsoft.Extensions.Primitives;
6 using Newtonsoft.Json;
7
8 public static async Task<IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "get", Route = null)]HttpRequest req, ILogger log)
9 {
10     string value1=Environment.GetEnvironmentVariable("value1");
11 }
```

The "Output" tab is selected, showing the HTTP response code as "200 OK" and the HTTP response content as "Monish@M7711541". Below the code editor, there is a message: "Connected! You are now viewing logs of Function runs in the current Code + Test panel. To see all the logs for this Function, please go to 'Monitor' from the Function menu." At the bottom are "Run" and "Close" buttons.



Home > sgkeyvaults

## sgkeyvaults | Access policies

Key vault

+ Create   Refresh   Delete   Edit

Access policies enable you to have fine grained control over access to vault items. [Learn more](#)

Name	Email	Key Permissions	Secret Permissions	Certificate Permissions
fnkeyvault			Get, List	
Monish	M7711541_outlook.com#EXT...		Get, List, Set, Delete, Recover...	

Showing 1 to 2 of 2 records.

Search : Permissions : All   Type : All

Overview   Activity log   Access control (IAM)   Tags   Diagnose and solve problems   Access policies   Events

Objects   Keys   Secrets   Certificates

Settings   Access configuration

Home > sgkeyvaults

## sgkeyvaults | Secrets

Key vault

+ Generate/Import   Refresh   Restore Backup   View sample code   Manage deleted secrets

Name	Type	Status	Expiration date
sgfirstsecret		✓ Enabled	

Search

Overview   Activity log   Access control (IAM)   Tags   Diagnose and solve problems   Access policies   Events

Objects   Keys   Secrets   Certificates

Settings   Access configuration   Networking

Give feedback

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, an Upgrade button, a search bar, and a user account section. Below the header, the URL is `portal.azure.com/?quickstart=true&view=Microsoft_AAD_IAM/ManagedAppMenuBlade/-/Overview/objectid/b27547ea-6604-4c2b-0000-42343e0000000043`. The main content area displays a list of secrets under the heading "sgfirstsecret". A table shows one current version of the secret:

Version	Status	Activation date	Expiration date
CURRENT VERSION e5d645adf7064f2d9c18b7dfe374f9f0	✓ Enabled		

The screenshot shows the Microsoft Azure portal interface, similar to the previous one but focusing on a specific secret version. The URL is `portal.azure.com/?quickstart=true&view=Microsoft_AAD_IAM/ManagedAppMenuBlade/-/Overview/objectid/b27547ea-6604-4c2b-0000-42343e0000000043`. The main content area displays the details for "sgfirstsecret" version "e5d645adf7064f2d9c18b7dfe374f9f0".

**Secret Version**

Created	1/9/2024, 10:35:51 AM
Updated	1/9/2024, 10:35:51 AM
Secret Identifier	<a href="https://sgkeyvaults.vault.azure.net/secrets/sgfir...">https://sgkeyvaults.vault.azure.net/secrets/sgfir...</a>
Settings	
Set activation date	<input type="checkbox"/>
Set expiration date	<input type="checkbox"/>
Enabled	<input checked="" type="radio"/> Yes <input type="radio"/> No
Tags	0 tags
Secret	
Content type (optional)	<input type="text"/>

**Hide Secret Value**

## LAB 7:

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is `portal.azure.com//quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014`. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (M7711541@outlook.com). The main content area is titled "Resource groups" and shows the "ConfidentialStack" resource group. The left sidebar lists other resource groups: "cloud-shell-storage-centralindia", "DefaultResourceGroup-EA", and "DefaultResourceGroup-EUS". The right pane displays the "Resources" section, which lists seven items: "Application insights smart detection", "ASP-ConfidentialStack-843c" (App Service plan, East US), "Failure Anomalies - securefuncmonish" (Smart detector alert rule, Global), "securefuncmonish" (Application Insights, East US), "securefuncmonish" (Function App, East US), and "securestormonish" (Storage account, East US). The table has columns for Name, Type, and Location.

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is `portal.azure.com//quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014`. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (M7711541@outlook.com). The main content area is titled "securefuncmonish | Configuration" and shows the configuration settings for a Function App. The left sidebar lists settings: Deployment slots, Deployment Center, Configuration (selected), Authentication, Application Insights, Identity, Backups, Custom domains, and Certificates. The right pane displays the "Configuration" table with the following data:

Name	Value	Source	Deployment slot setting
APPLICATIONINSIGHTS_CONNECTION_STRING	Hidden value. Click to show value	App Service	
AzureWebJobsSecretStorageType	Hidden value. Click to show value	App Service	
AzureWebJobsStorage	Hidden value. Click to show value	App Service	
FUNCTIONS_EXTENSION_VERSION	Hidden value. Click to show value	App Service	
FUNCTIONS_WORKER_RUNTIME	Hidden value. Click to show value	App Service	
StorageConnectionString	@Microsoft.KeyVault(SecretUri=https://...)	Key vault Reference	
WEBSITE_MOUNT_ENABLED	Hidden value. Click to show value	App Service	
WEBSITE_RUN_FROM_PACKAGE	Hidden value. Click to show value	App Service	

The screenshot shows the Microsoft Azure portal interface for a function named 'FileParser'. The URL is <https://portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014>. The user is M7711541@outlook.com.

**Developer** section:

- Code + Test
- Integration
- Monitor
- Function Keys

**Code Editor:** function.json

```
1  {
2      "generatedBy": "Microsoft.NET.Sdk.Functions",
3      "configurationSource": "attributes",
4      "bindings": [
5          {
6              "type": "httpTrigger",
7              "methods": [
8                  "GET"
9              ],
10             ...
```

**Logs:**

```
'Monitor' from the Function menu.
2024-01-11T05:25:04Z [Information]
Executing 'FileParser' (Reason='This function
was programmatically called via the host
APIs.', Id=06e20bb3-8ebf-408d-a8e4-
1c670919b16e)
2024-01-11T05:25:04Z [Information] Executed
'FileParser' (Succeeded, Id=06e20bb3-8ebf-408d-
a8e4-1c670919b16e, Duration=13ms)
```

**Output:**

HTTP response code  
200 OK

HTTP response content

```
DefaultEndpointsProtocol=https;AccountName=securestormonish,
AccountKey=j5ToD/ff82xy5kKdEBsN4tXuYuXBfpdwCf/fg2PwAVbRshAUDSoIYykf/IxmkAF
BQS8xi7fQrMf+ASTGj2yw==;EndpointSuffix=
core.windows.net
```

Run Close

The screenshot shows a browser window with the URL <https://securestormonish.blob.core.windows.net/drop/recordjson>.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<Error>
<Code>PublicAccessNotPermitted</Code>
<Message>Public access is not permitted on this storage account. RequestId:d147a677-f01e-003b-7f4f-4455b7000000 Time:2024-01-11T05:32:26.9003971Z</Message>
</Error>
```

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is `portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014`. The top navigation bar includes links for Home, Resource groups, ConfidentialStack, securefuncmonish, and FileParser. The main content area is titled "FileParser | Code + Test" under the "Function" category. On the left, there's a sidebar with Overview, Developer (Code + Test selected), Integration, Monitor, and Function Keys. The main pane displays the function.json file content:

```

1  {
2    "generatedBy": "Microsoft.NET.Sdk.Functions",
3    "configurationSource": "attributes",
4    "bindings": [
5      {
6        "type": "httpTrigger",
7        "methods": [
8          "GET"
9        ],
10       ...
11     }
12   ]
13 }
```

Below the code editor is a log window showing the execution of the function:

```

'Monitor' from the Function menu.
2024-01-11T05:40:03Z [Information]
Executing 'FileParser' (Reason='This function was programmatically called via the host APIs.', Id=923470ec-e121-433d-825e-353eea9e74cc)
2024-01-11T05:40:03Z [Information] Executed 'FileParser' (Succeeded, Id=923470ec-e121-433d-825e-353eea9e74cc, Duration=266ms)
```

To the right, there are tabs for "Input" and "Output". Under "Input", it says "HTTP response code 200 OK". Under "Output", it shows the JSON response content:

```

[{"index": 0, "guid": "f7b104d1-cf92-4861-a187-dc25aa0cf79b", "isActive": true, "balance": "$3,940.15", "picture": "http://placeholder.it/32x32", "age": 34, "eyeColor": "brown", "name": "Miles Fleming", "gender": "male", "children": []}]
```

At the bottom right are "Run" and "Close" buttons.

## LAB 8:

The screenshot shows a browser window with the URL `https://httpapimonish.azurewebsites.net/#/Response_format/gethtml`. The page displays the request URL and server response details.

**Request URL:** `https://httpapimonish.azurewebsites.net/html`

**Server response:**

Code	Details
200	<b>Response body:</b> <pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;/head&gt; &lt;body&gt; &lt;h1&gt;Herman Melville - Moby-Dick&lt;/h1&gt; &lt;div&gt; &lt;p&gt;Availing himself of the mild, summer-cool weather that now reigned in these latitudes, and in preparation for the peculiarly active pursuits shortly to be anticipated, Perth, the begrimed, blistered old blacksmith, had not removed his portable forge to the hold again, after concluding his contributory work for Ahab's leg, but still retained it on deck, fast lashed to ringbolts by the foremast; being now almost incessantly invoked by the headsman, and harpooneers, and bowsmen to do some little job for them; altering, or repairing, or new shaping their various weapons and boat furniture. Often he would be surrounded by an eager circle, all waiting to be served; holding boat-spades, pike-heads, harpoons, and lances, and jealously watching his every sooty movement, as he toiled. Nevertheless, this old man's was a patient hammer wielded by a patient arm. No murmur, no impatience, no petulance did come from him. Silent, slow, and solemn; bowing over still further his chronically broken back, he toiled away, as if toil were life itself, and the heavy beating of his heart. And so it was.-Most miserable! A peculiar walk in this old man, a certain slight but painful appearing yawning in his gait, had at an early period of the voyage excited the curiosity of the mariners. And to the importunity of their persisted questionings he had finally given in; and so it came to pass that every one now knew the shameful story of his wretched fate. Belated, and not innocently, one bitter winter's midnight, on the road running between two country towns, the blacksmith half-stupidly felt the deadly numbness stealing over him, and sought refuge in a leaning, dilapidated barn. The issue was, the loss of the extremities of both feet. Out of this revelation, part by part, at last came out the four acts of the gladness, and the one long, and as yet uncatastrophied fifth act of the grief of his life's drama. He was an old man, who, at the age of nearly sixty, had postponed encountering that thing in sorrow's technicals called ruin. He had been an artisan of famed excellence, and with plenty to do; owned a house and garden; embodied youthful, daughter-like, loving wife, and three blithe, ruddy children; every Sunday went to a cheerful-looking church, planted in a grove. </pre>

**Response headers:**

```
access-control-allow-credentials: true
```

Curl

```
curl X GET "https://httpapimonish.azurewebsites.net/bytes/25" -H "accept: application/octet-stream"
```

Request URL

```
https://httpapimonish.azurewebsites.net/bytes/25
```

Server response

Code	Details
200	<p>Response body</p> <p><a href="#">Download file</a></p> <p>Response headers</p> <pre>access-control-allow-credentials: true access-control-allow-origin: * content-length: 25 content-type: application/octet-stream date: Sat, 13 Jan 2024 11:56:38 GMT server: gunicorn/19.9.0</pre>

Responses

Code	Description
200	<i>Bytes</i>

Code

Code	Details
404 <i>Undocumented</i>	Error: NOT FOUND

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 0
content-type: text/html; charset=utf-8
date: Sat, 13 Jan 2024 11:58:10 GMT
server: gunicorn/19.9.0
```

Responses

Code	Description
100	<i>Informational responses</i>
200	<i>Success</i>
300	<i>Redirection</i>
400	<i>Client Errors</i>
500	<i>Server Errors</i>

Microsoft Azure | portal.azure.com/#view/HubsExtension/BrowseRecentResources.ReactView

Home > **ApiService** Resource group

Overview Activity log Access control (IAM) Tags Resource visualizer Events

Settings Deployments Security Deployment stacks Policies Properties Locks Cost Management

Essentials

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 3 of 3 records. Show hidden types

Name	Type	Location
ApiPlan	App Service plan	East US
httpapimonish	App Service	East US
proapimonish	API Management service	East US

JSON View

Microsoft Azure | portal.azure.com/quickstart=true#@m7711541outlook.onmicrosoft.com/resource/subscriptions/e1c29467-df68-4049-9ff4-92014

Home > **ApiService** > **proapimonish**

**proapimonish| APIs** API Management service

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Events

Settings Platform migration Properties Locks APIs Products

Design Settings Test Revisions (1) Change log

REVISION 1 CREATED Jan 13, 2024, 2:36:26 PM

Frontend Inbound processing

HTTPBin API All operations

All operations

Operations Definitions

Inbound processing: Modify the request before it is sent to the backend service.

Policies

Outbound processing: Modify the response before it is sent to the client.

Policies

The screenshot shows the Microsoft Azure API Management service interface. The left sidebar navigation includes Home, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Events, Settings (Platform migration, Properties, Locks), APIs (selected), Products, and Subscriptions. The main content area displays a revision of an API named 'HTTPBin API > Get Legacy Data > Console'. The revision was created on Jan 13, 2024, at 2:36:26 PM. The 'Test' tab is selected. The operation details show a successful HTTP/1.1 200 OK response with headers including cache-control: private, content-encoding: gzip, content-type: application/json, date: Sat, 13 Jan 2024 12:00:32 GMT, transfer-encoding: chunked, and vary: Accept-Encoding,Origin. The response body contains JSON data representing a slide show with a title, date, author, comment, and a slide section. A 'Send' button and a 'Trace' button are at the bottom.

This screenshot is identical to the one above, showing the same Microsoft Azure API Management service interface and the 'Get Legacy Data' operation details. However, the response body in the JSON pane has been modified. The 'slide' section now includes a 'type' field with the value 'all'. The 'title' field is changed to 'Wake up to WonderWidgets!', and the 'text' field is updated to 'Why are great'.

