

Assignment 6 hand notes and screen shots

Task 1: Provision the lab environment

From the Cloud Shell pane, run the following to create the resource group that will be hosting the virtual machine

```
$location = 'east US'  
$rgName = 'az104-07-rg0'  
New-AzResourceGroup -Name $rgName -Location $location
```

```
PS /home/sema> New-AzResourceGroup -Name $rgName -Location  
ResourceGroupName : az104-07-rg0  
Location        : eastus  
ProvisioningState : Succeeded  
Tags            :  
ResourceId      : /subscriptions/bdda7a16-a22a-4d52-9bb2-c078f8c371eb/resourceGroups/az104-07-rg0  
PS /home/sema>
```

The screenshot shows the Microsoft Azure portal's Resource groups page. At the top, there is a search bar and a user profile. Below the header, the URL is 'Home > Resource groups'. The main area displays a table of resource groups. One row is highlighted, showing 'az104-07-rg0' under 'Name', 'Subscription equals all' under 'Subscription', and 'East US' under 'Location'. There are filters at the top and bottom of the table.

2- From the Cloud Shell pane, run the following to deploy the virtual machine by using the uploaded template and parameter files:

```
New-AzResourceGroupDeployment `  
-ResourceGroupName $rgName`  
-TemplateFile $HOME/az104-07-vm-template.json`  
-TemplateParameterFile $HOME/az104-07-vm-parameters.json`  
-AsJob
```

```
PS /home/sema> New-AzResourceGroupDeployment `  
-> -ResourceGroupName $rgName`  
-> -TemplateFile $HOME/az104-07-vm-template.json`  
-> -TemplateParameterFile $HOME/az104-07-vm-parameters.json`  
-> -AsJob  
  
Id     Name          PSJobTypeName   State       HasMoreData      Location      Command  
--  --  -----  -----  -----  -----  
2    Long Running O... AzureLongRunni...  Running    True    localhost  New-AzResourc...
```

Microsoft Azure [Upgrade](#)

Home > Resource groups >

az104-07-rg0

Resource group

[Search](#) [Create](#) [Manage view](#) [Delete resource group](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#)

[Overview](#) [Essentials](#)

Subscription ([move](#))
[Azure subscription 1](#)

Subscription ID
bdda7a16-a22a-4d52-9bb2-c078f8c371eb

Deployments
[1 Succeeded](#)

Location
East US

Tags
[Edit](#) [Click here to add tags](#)

Events

Resources [Recommendations](#)

 [Type equals all](#) [Location equals all](#) [Add filter](#)

Showing 1 to 6 of 6 records. Show hidden types

	Type ↑↓	Location ↑↓
<input type="checkbox"/> Name ↑↓		
<input type="checkbox"/> az104-07-nic0	Network Interface	East US
<input type="checkbox"/> az104-07-nsg0	Network security group	East US
<input type="checkbox"/> az104-07-pip0	Public IP address	East US
<input type="checkbox"/> az104-07-vm0	Virtual machine	East US
<input type="checkbox"/> az104-07-vm0_disk1_5edca5cddb604d0eb794a2af0e31b5f8	Disk	East US

No grouping [List view](#)

Home > az104-07-rg0

az104-07-rg0 | Resource visualizer

Resource group

[Search](#) [Choose resources](#) [Reset diagram](#) [Zoom to fit](#) [Refresh](#) [Export PNG](#) [Feedback](#)

[Overview](#)

[Activity log](#)

[Access control \(IAM\)](#)

[Tags](#)

[Resource visualizer](#)

[Events](#)

Settings

[Deployments](#)

[Security](#)

[Policies](#)

[Properties](#)

[Locks](#)

Cost Management

[Cost analysis](#)

[Cost alerts \(preview\)](#)

[Budgets](#)

[Advisor recommendations](#)

```

graph TD
    VM[az104-07-vm0] --- DISK[az104-07-vm0_disk1_5edca5cddb604d0eb794a2af0e31b5f8]
    VM --- NIC[az104-07-nic0]
    DISK -.-> VM
    NIC -.-> VM
    NIC -.-> VNET[az104-07-vnet0]
    NIC -.-> PIP[az104-07-pip0]
    VNET -.-> NIC
    PIP -.-> NIC
    NSG[az104-07-nsg0] -.-> NIC
  
```

Task 2: Create and configure Azure Storage accounts

In this task, you will create and configure an Azure Storage account.

Storage account > create

Occur one creation template.

The screenshot shows the Azure Storage account overview for 'semahwk6'. The main pane displays basic account details such as Resource group, Location, Subscription, and Disk state. Below this, there are tabs for Properties, Monitoring, Capabilities (7), Recommendations (0), Tutorials, and Developer Tools. Under the Properties tab, there are sections for Blob service, File service, and Security. The Blob service section includes settings like Hierarchical namespace, Default access tier, Blob public access, Blob soft delete, Container soft delete, Versioning, Change feed, NFS v3, and Allow cross-tenant replication. The File service section includes Large file share. The Security section includes Require secure transfer for REST API operations, Storage account key access, Minimum TLS version, Infrastructure encryption, Allow access from (All networks), Number of private endpoint connections (0), Network routing, Access for trusted Microsoft services (Yes), and Endpoint type (Standard). On the left sidebar, there are links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Containers, File shares, Queues, Tables, Networking, Azure CDN, Access keys, Shared access signature, Encryption, and Microsoft Defender for Cloud.

semahwk6 | Redundancy

Storage account

Search Save Discard Prepare for failover Refresh

Microsoft Defender for Cloud

Data management

- Redundancy
- Data protection
- Object replication
- Blob inventory
- Static website
- Lifecycle management
- Azure search

Redundancy

Read-access geo-redundant storage (RA-GRS)

Last failover time

-

Storage endpoints

[View all](#)

Settings

- Configuration
- Data Lake Gen2 upgrade
- Resource sharing (CORS)
- Advisor recommendations
- Endpoints

Location	Data center type	Status
East US	Primary	Available
West US	Secondary	Available

 Search

<<



Save



Discard



Prepare for failover



Refresh

Microsoft Defender for Cloud

Data management

Redundancy

Data protection

Object replication

Blob inventory

Static website

Lifecycle management

Azure search

Settings

Configuration

Data Lake Gen2 upgrade

Resource sharing (CORS)

Azure Storage replication copies your data so that it is protected from transient hardware failures, network or power outages, and natural disasters. If an outage renders the primary endpoint unavailable, then you can initiate a failover to the secondary endpoint to rapidly restore write access to your data. [Learn more about storage account failover](#)

Redundancy

Locally-redundant storage (LRS)

Last failover time

Storage endpoints

[View all](#)

Location	Data center type	Status
East US	Primary	Available

 Search

<<

 Save Discard RefreshSecure transfer required i Disabled EnabledAllow Blob public access i Disabled EnabledAllow storage account key access i Disabled EnabledAllow recommended upper limit for shared access sign
interval i Disabled Enabled

Default to Azure Active Directory authorization in the A

 Disabled EnabledMinimum TLS version i

Version 1.2

Permitted scope for copy operations (preview) i

From any storage account

Blob access tier (default) i Cool HotLarge file shares i Disabled Enabled

Settings

 Configuration Data Lake Gen2 upgrade Resource sharing (CORS) Advisor recommendations Endpoints Locks

Monitoring

change cool and save.

The screenshot shows the 'Settings' page for Azure Storage. On the left, there's a sidebar with icons for Configuration, Data Lake Gen2 upgrade, Resource sharing (CORS), Advisor recommendations, Endpoints, and Locks. The 'Configuration' item is highlighted. On the right, under 'Configuration', there are three settings: 'Minimum TLS version' set to 'Version 1.2', 'Permitted scope for copy operations (preview)' set to 'From any storage account', and 'Blob access tier (default)'. The 'Cool' option is selected, indicated by a blue circle, while 'Hot' is unselected (white circle). A red box highlights the 'Container' button in the top navigation bar of the main content area.

Configuration

Minimum TLS version ⓘ

Version 1.2

Permitted scope for copy operations (preview) ⓘ

From any storage account

Blob access tier (default) ⓘ

Cool Hot

Task 3: Manage blob storage

In this task, you will create a blob container and upload a blob into it.

The screenshot shows the 'Containers' page for the 'semahwk6' storage account. The left sidebar has links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, and Storage browser. The 'Data storage' section is expanded, showing 'Containers' (which is highlighted with a red box), File shares, Queues, and Tables. The main content area shows a table of containers:

Name	Last modified	Public access level
\$logs	11/10/2022, 2:06:47 ...	Private
az104-07-container	11/10/2022, 2:55:32 ...	Private

A red box highlights the 'Container' button in the top navigation bar of the main content area.

Home > semahwk6

semahwk6 | Containers

Storage account

Search

+ Container

Change access level

Search containers by prefix

Show deleted containers

Name	Last modified	Public access level
\$logs	11/10/2022, 2:06:47 ...	Private
az104-07-container	11/10/2022, 2:55:32 ...	Private

Data storage

Containers

File shares

Queues

Tables

Home > semahwk6 | Containers >

az104-07-container

Container

Search

<<

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Upload blob

az104-07-container/

Files ⓘ

"LICENSE.txt"

X

Overwrite if files already exist

Advanced

Authentication type ⓘ

Azure AD user account **Account key**

Blob type ⓘ

Block blob

Upload .vhdx files as page blobs (recommended)

Block size ⓘ

4 MB

Access tier ⓘ

Hot

Upload to folder

licenses

Blob index tags ⓘ

Burda licence adlı text file yüklenildi. Aynı zamanda licenses isimli folder oluşuyor.

az104-07-container

Container

Search

<<

Upload Change access level Refresh | ...

Authentication method: Access key ([Switch to Azure AD User Account](#))

Location: az104-07-container

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name

Modified

Access tier

licenses

Settings

Shared access tokens

Access policy

Properties

Metadata

 Add filter

Name	Modified	Access tier
<input type="checkbox"/>  [.]		
<input type="checkbox"/>  LICENSE.txt	11/10/2022, 3:04:06 ...	Hot

License txt içine girince bunları yapabiliyoruz.

[Home](#) > [semahwk6 | Containers](#) > [az104-07-container](#) >

licenses/LICENSE.txt ...

Blob

 Save  Discard  Download  Refresh  Delete  Change tier  Acquire lease

[Overview](#) [Versions](#) [Snapshots](#) [Edit](#) [Generate SAS](#)

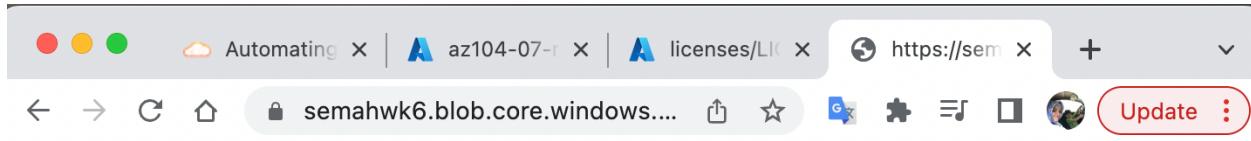
Properties

URL	https://semahwk6.bl... 
LAST MODIFIED	11/10/2022, 3:04:06 PM
CREATION TIME	11/10/2022, 3:04:06 PM
VERSION ID	-
TYPE	Block blob
SIZE	1.05 KiB
ACCESS TIER	Hot
ACCESS TIER LAST MODIFIED	11/10/2022, 3:04:06 PM
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DAC313AAB899C0
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	
CONTENT-TYPE	text/plain
CONTENT-MD5	GO0FGaT2X708DYqzYKX...
CONTENT-ENCODING	

Task 4: Manage authentication and authorization for Azure Storage

<https://semahwk6.blob.core.windows.net/az104-07-container/licenses/LICENSE.txt>

in browser



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

```
▼<Error>
  <Code>ResourceNotFound</Code>
  <Message>The specified resource does not exist. RequestId:1d41dae2-601e-0035-3700-
f5c029000000 Time:2022-11-10T12:33:29.3415493Z</Message>
</Error>
```

Generate the **Generate SAS**

[Generate SAS token and URL](#)

Blob SAS token ⓘ

```
sp=r&st=2022-11-09T12:36:08Z&se=2022-11-11T20:36:08Z&spr=https&sv=2021-06-08&sr=b&sig=KxYd3...
```

Blob SAS URL

```
https://semahwk6.blob.core.windows.net/az104-07-container/licenses/LICENSE.txt?sp=r&st=2022-11-09T1...
```

sp=r&st=2022-11-09T12:36:08Z&se=2022-11-11T20:36:08Z&spr=https&sv=2021-06-08&sr=b&sig=KxYd3gahi4DokxKXm9RRvdfeeBQx4GJI8C%2FEIUNSCB0%3D

<https://semahwk6.blob.core.windows.net/az104-07-container/licenses/LICENSE.txt?sp=r&st=2022-11-09T12:36:08Z&se=2022-11-11T20:36:08Z&spr=https&sv=2021-06-08&sr=b&sig=KxYd3gahi4DokxKXm9RRvdfeeBQx4GJI8C%2FEIUNSCB0%3D>

```
Invoke-WebRequest -URI '[blob SAS URL]'  
Invoke-WebRequest -URI ''
```

The screenshot shows a web browser window with the following tabs open:

- Automating
- az104-07-
- licenses/LI
- https://semahwk6.blob.core.windows...

The main content area displays the MIT License text:

The MIT License (MIT)

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I accessed the file.

The screenshot shows the Azure Storage Blob Container interface for 'az104-07-container'. The left sidebar includes options like Overview, Diagnose and solve problems, Access Control (IAM), and Settings. The Overview tab is selected.

The main area shows a message: "You do not have permissions to list the data using your user account with Azure AD. Click to learn more about authenticating with Azure AD. This request is not authorized to perform this operation using → this permission. RequestId:fa4e4dfe-101e-0010-2902-f56955000000 Time:2022-11-10T12:43:25.8515580Z".

Below the message, it says "Authentication method: Azure AD User Account (Switch to Access key)" and "Location: az104-07-container".

At the bottom, there is a search bar for blobs by prefix (case-sensitive) and a checkbox for "Show deleted blobs". There is also a "Add filter" button.

Name	Modified	Access tier
No blobs found.		

Burda Access i değiştirmeye çalıştık ama yetkim olmadığı için değişmedi.

Home > semahwk6 | Containers > az104

Select members

Add role assignment

Got feedback?

Role Members • Conditions (optional)

Selected role
Storage Blob Data Owner

Assign access to
 User, group, or service principal
 Managed identity

Members
+ Select members

Name
No members selected

Description
Optional

In this 1 gave role myself.

Select ⓘ

Search by name or email address

AB abdulkерим.senoglu (Guest)
abdulkерим.senoglu@theautobids.com

AD AdminAgents

AB Ahmet Berkay Unal
ahmet.unal@deop.ca

Ahmet Aslan
ahmet@deop.ca

Akin Kuyga
akin.kuyga@deop.ca

Selected members:

SB Sema Bayrak
sema.bayrak@deop.ca Remove

Add role assignment

 Got feedback?

Role **Members** Conditions (optional) Review + assign

Selected role

Storage Blob Data Owner

Assign access to

- User, group, or service principal
 Managed identity

Members

[+ Select members](#)

Name	Object ID	Type
Sema Bayrak	a38154fa-d1d1-4baa-b0b3-f47b5082b4...	User

Description

Optional

[Review + assign](#)

[Previous](#)

[Next](#)

Sema Bayrak assignments - az104-07-container

Assignments for the selected user, group, service principal, or managed identity at this scope or inherited to this scope.

Role	Description	Scope	Group assign...	Condit...
Owner	Grants full access to manage all resources, including the ab...	Subscription (Inherited)	--	None
Storage Blob Data Owner	Allows for full access to Azure Storage blob containers and...	This resource	--	Add

Task 5: Create and configure an Azure Files shares

In this task, you will create and configure Azure Files shares.

File share settings

Active Directory: Not configured Default share-level permissions: Disabled Soft delete: 7 days Maximum capacity: 5 TiB

Security: Maximum compatibility

Search file shares by prefix (case-sensitive)

Show deleted shares

Name	Modified	Tier	Quota
az104-07-share	11/10/2022, 4:20:52 PM	Transaction optimized	5 TiB

The screenshot shows the Azure portal interface for managing a file share named 'az104-07-share'. On the left, there's a sidebar with various navigation options like 'Overview', 'Diagnose and solve problems', 'Access Control (IAM)', 'Properties', 'Schemas', 'Backup', and 'Operations'. The main area displays the file share details, including a search bar and a 'Search files by prefix' input field. A prominent 'Connect' button is at the top right. Below it, there's a note about secure transfer requirements and a warning about SMB protocol version 3. The 'Windows' tab is selected under the 'Connect' section, showing fields for 'Drive letter' (set to 'Z'), 'Authentication method' (with 'Storage account key' selected), and a 'Show Script' button. A detailed note explains the script's purpose and how to run it in PowerShell.

Show script

```
$connectTestResult = Test-NetConnection -ComputerName semahwk6.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:'semahwk6.file.core.windows.net' /user:'localhost\semahwk6' /pass:'lySneBOBk85EcU6cnkGOUTsVaUQrMXPKIhBZBGqPHfgAET4gm2RKrZp0zNbbrXo06d6vnUShMfUW+ASt8IXt+A=='"
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
    "\semahwk6.file.core.windows.net\az104-07-share" -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."
}
```

VM-run command

Kodu yazdik.run ettik

The screenshot shows the Azure portal interface for running a command script on a virtual machine named 'az104-07-vm0'. The left sidebar includes 'Operations' and 'Run command' sections. The main area is titled 'Run Command Script' and contains a 'PowerShell Script' editor. The script is identical to the one shown in the previous screenshot, designed to check connectivity and mount the file share. At the bottom, there are 'Run' and 'Run' buttons (one blue, one grey).

Home > Resource groups > az104-07-rg0 > az104-07-vm0

az104-07-vm0 | Run command

Virtual machine

Operations

Run command

run

Run Command uses the VM agent to let you run a script and application maintenance. Select a command below to run.

Name

- RunPowerShellScript
- DisableNLA
- DisableWindowsUpdate
- EnableAdminAccount
- EnableEMS
- EnableRemotePS
- EnableWindowsUpdate
- IPConfig
- RDPSettings
- ResetRDPCert
- SetRDPPort

PowerShell Script

```

1 $connectTestResult = Test-NetConnection -ComputerName semahwk6.file.core.windows.net -Port 445
2 if ($connectTestResult.TcpTestSucceeded) {
3     # Save the password so the drive will persist on reboot
4     cmd.exe /C "cmdkey /add:'semahwk6.file.core.windows.net' /user:'localhost\semahwk6' /pass:'lySy
5     # Mount the drive
6     New-PSDrive -Name Z -PSProvider FileSystem -Root '\\semahwk6.file.core.windows.net\az104-07-share'
7 } else {
8     Write-Error -Message "Unable to reach the Azure storage account via port 445. Check to make sure you have the correct port open in your network security group settings."
9 }

```

Run

Output

```

CMDKEY: Credential added successfully.

Name      Used (GB)    Free (GB) Provider      Root
CurrentLocation
----      -----      -----      -----
Z          0.00        5120.00 FileSystem \\semahwk6.file.core.windows.net...

```

Output

```

CMDKEY: Credential added successfully.

Name      Used (GB)    Free (GB) Provider      Root
CurrentLocation
----      -----      -----      -----
Z          0.00        5120.00 FileSystem \\semahwk6.file.core.windows.net...

```

Then create file and folder in Z

```
New-Item -Type Directory -Path 'Z:\az104-07-folder'
```

```
New-Item -Type File -Path 'Z:\az104-07-folder\az-104-07-file.txt'
```

Run Command Script

RunPowerShellScript

i Script execution complete

PowerShell Script

```
1 New-Item -Type Directory -Path 'Z:\az104-07-folder'  
2  
3 New-Item -Type File -Path 'Z:\az104-07-folder\az-104-07-file.txt'  
4 |
```

Run

Output

```
Directory: Z:\  
  
Mode          LastWriteTime        Length Name  
----          -----          ----  --  
d----      11/10/2022 1:30 PM           az104-07-folder  
  
Directory: Z:\az104-07-folder  
  
Mode          LastWriteTime        Length Name  
----          -----          ----  --  
-a---      11/10/2022 1:30 PM           0 az-104-07-file.txt
```

Output

```
Directory: Z:\

Mode           LastWriteTime      Length Name
----          -----          -----
d----  11/10/2022  1:30 PM          az104-07-folder

Directory: Z:\az104-07-folder

Mode           LastWriteTime      Length Name
----          -----          -----
-a---  11/10/2022  1:30 PM          0 az-104-07-file.txt
```

Home > Storage accounts > semahwk6 | File shares >

 **az104-07-share** ...
File share

<< [Connect](#) [Upload](#) [Add directory](#)

[Overview](#)

[Diagnose and solve problems](#) **Name**
[Access Control \(IAM\)](#)  az104-07-folder

Settings

Home > Storage accounts > semahwk6 | File shares >

 **az104-07-share** ...
File share

<< [Upload](#) [Add directory](#) [Refresh](#) [Delete directory](#)

[Overview](#)

[Diagnose and solve problems](#) **Name**
[Access Control \(IAM\)](#)  [..]
[Properties](#)  az-104-07-file.txt

Task 6: Manage network access for Azure Storage

In this task, you will configure network access for Azure Storage.

The screenshot shows the Azure Storage account settings for 'semahwk6'. The left sidebar has a 'Security + networking' section with 'Networking' selected, highlighted by a red box. The main content area shows the 'Firewalls and virtual networks' tab selected. It includes a note about firewall settings taking effect after saving. Under 'Public network access', 'Enabled from selected virtual networks and IP addresses' is selected. A link to 'Configure network security' is provided. The 'Virtual networks' section shows no networks selected. The 'Firewall' section contains a note about adding IP ranges and a checkbox for 'Add your client IP address ('88.243.141.151')' which is checked and highlighted by a red box. The 'Address range' field below it is empty.

OPEN CLI

RUN

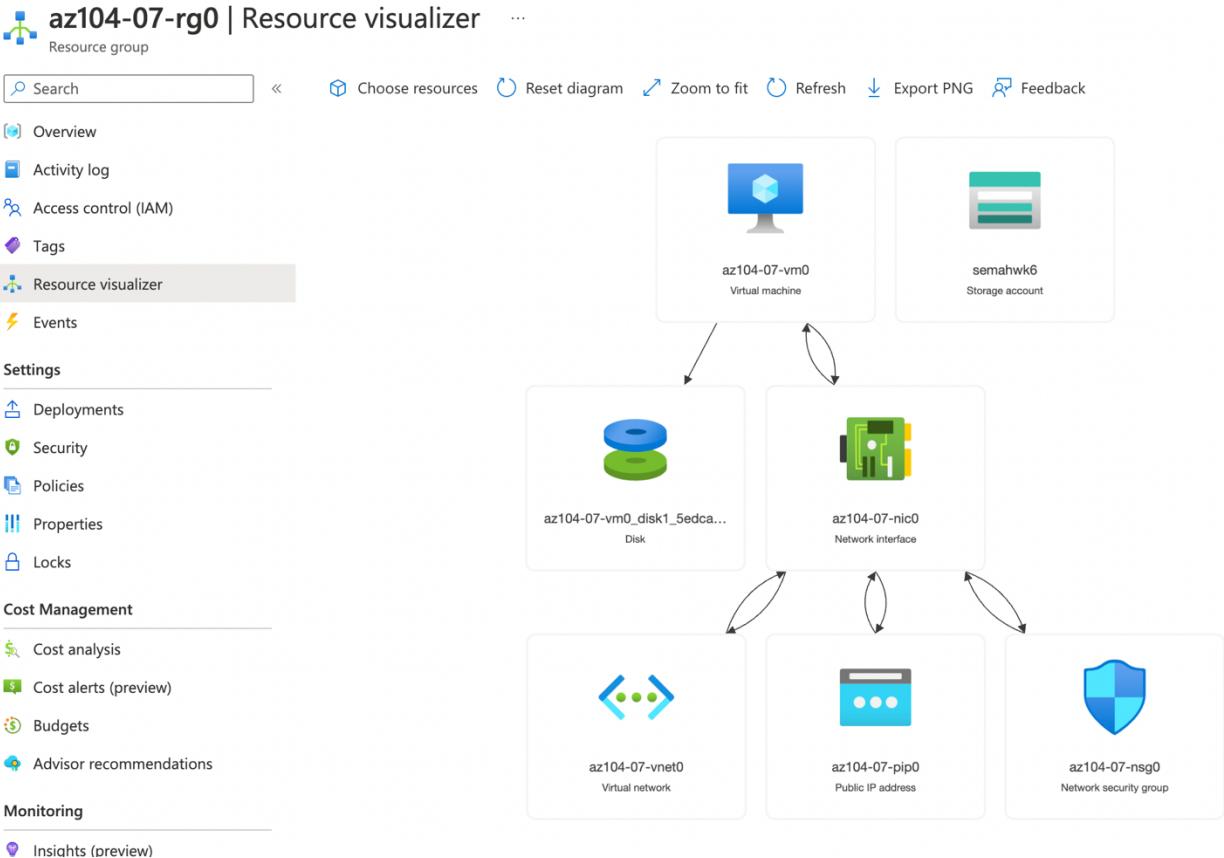
```
Invoke-WebRequest -URI 'https://semahwk6.blob.core.windows.net/az104-07-container/licenses/LICENSE.txt?sp=r&st=2022-11-09T12:36:08Z&se=2022-11-11T20:36:08Z&spr=https&sv=2021-06-08&sr=b&sig=KxYd3gahi4DokxKXm9RRVdfeeBQx4GJI8C%2FEIUNSCB0%3D'
```

```

MOTD: Customize your experience: save your profile to $HOME/.config/PowerShell

VERBOSE: Authenticating to Azure ...
VERBOSE: Building your Azure drive ...
PS /home/sema> Invoke-WebRequest -URI 'https://semahwk6.blob.core.windows.net/az104-07-container/licenses/LICENSE.txt?sp=r&st=2022-11-09T12:36:08Z&se=2022-11-11T20:36:08Z&spr=https&sv=2021-06-08&sr=b&sig=KxYd3gahi4DokxKXm9RRvdfeeBQx4GJI8C%2FEIUNSCB0%3D'
Invoke-WebRequest: AuthorizationFailureThis request is not authorized to perform this operation.
RequestId:0dbb936a-501e-0011-220d-f53689000000
Time:2022-11-10T14:06:49.7753369z
PS /home/sema>

```



List all resource groups created throughout the labs of this module by running the following command:

```
Get-AzResourceGroup -Name 'az104-07*'
```

Delete all resource groups you created throughout the labs of this module by running the following command:

```
Get-AzResourceGroup -Name 'az104-07*' | Remove-AzResourceGroup -Force -AsJob
```

Assignment # 6

This assignment aims to evaluate the use of Azure storage for storing files residing currently in on-premises data stores. While majority of these files are not accessed frequently, there are some exceptions. I would like to minimize cost of storage by placing less frequently accessed files in lower-priced storage tiers. I also plan to explore different protection mechanisms that Azure Storage offers, including network access, authentication, authorization, and replication. Finally, I want to test the Azure File Share operation.

I completed the assignment in 6 steps. These steps are:

- Task 1: Provision the lab environment

In this step from cloud shell panel ,run some code and virtual machines, networks, subnets, and their components have been created.

- Task 2: Create and configure Azure Storage accounts

In this task, I created and configured an Azure Storage account.

- Task 3: Manage blob storage

In this task,I created a blob container and uploaded a blob into it.

- Task 4: Manage authentication and authorization for Azure Storage

In this task, I configured authentication and authorization for Azure Storage. First tested the file URL address on browser, then created SAS, again tested the entering. And also changed the role then again testing the entering.

- Task 5: Create and configure an Azure Files shares

In this task, I created and configured Azure Files shares.Then a folder and a txt file is created using powershell command line.

- Task 6: Manage network access for Azure Storage

In this task, I configured network access for Azure Storage. For connection privately, configured the storage account firewall.