

Task 1: Provision the lab environment

az104-07-rg0

Resource group

Search

CreateManage viewDelete resource groupRefreshExport to CSVOpen queryAssign tagsMoveDeleteExport template

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

Essentials

Subscription (move) : Azure subscription 1

Subscription ID : 453194c6-9b5a-46f8-bf6e-6b5a4133ee3a

Tags (edit) : Click here to add tags

Deployments : 1 Succeeded

Location : East US

ResourcesRecommendations





Filter for any field...Type equals allLocation equals allAdd filter

Showing 1 to 6 of 6 records. Show hidden types





No groupingList view


Name	Type	Location	
az104-07-nic0	Network Interface	East US	
az104-07-nsg0	Network security group	East US	
az104-07-pip0	Public IP address	East US	
az104-07-vm0	Virtual machine	East US	
az104-07-vm0_disk1_f538102834314f73a46778cb9bf655a1	Disk	East US	
az104-07-vnet0	Virtual network	East US	


## Task 2: Create and configure Azure Storage accounts


 **az10407strgacct**   


Storage account


 Upload  Open in Explorer  Delete  Move


 Overview


 Activity log


 Tags

 Diagnose and solve problems


 Access Control (IAM)


 Data migration

 Events

 Storage browser

Data storage


 Containers

 File shares

^ Essentials

Resource group ([move](#)) : az104-07-rg1

Location : East US

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

Subscription ID : 453194c6-9b5a-46f8-bf6e-6b5a4133e

Disk state : Available


Tags ([edit](#)) : [Click here to add tags](#)

Properties

Monitoring

Capabilities (7)

Recomm

 **Blob service**

Hierarchical namespace

Default access tier

Disabled

Cool

Task 3: Manage blob storage

az104-07-container

Container

Search

Upload

Change access level

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

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

Location: az104-07-container / licenses

Search blobs by prefix (case-...

Show deleted blobs

Add filter

Name

☐

[-]

☐

LICENSE

licenses/LICENSE

Blob

Save

Discard

Download

Refresh

Delete

Change tier

Acquire lease

Break lease

Overview

Versions

Snapshots

Edit

Generate SAS

Properties

URL

https://az10407strg...

LAST MODIFIED

11/10/2022, 12:35:40 PM

CREATION TIME

11/10/2022, 12:35:40 PM

VERSION ID

-

TYPE

Block blob

SIZE

1.05 KiB

ACCESS TIER

Hot

ACCESS TIER LAST MODIFIED

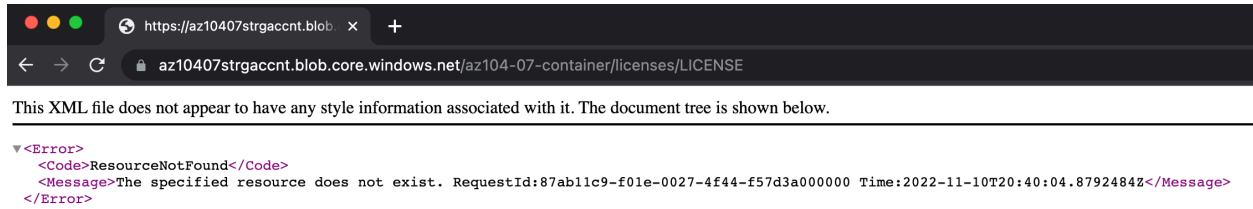
11/10/2022, 12:35:40 PM

ARCHIVE STATUS

-

## Task 4: Manage authentication and authorization for Azure Storage

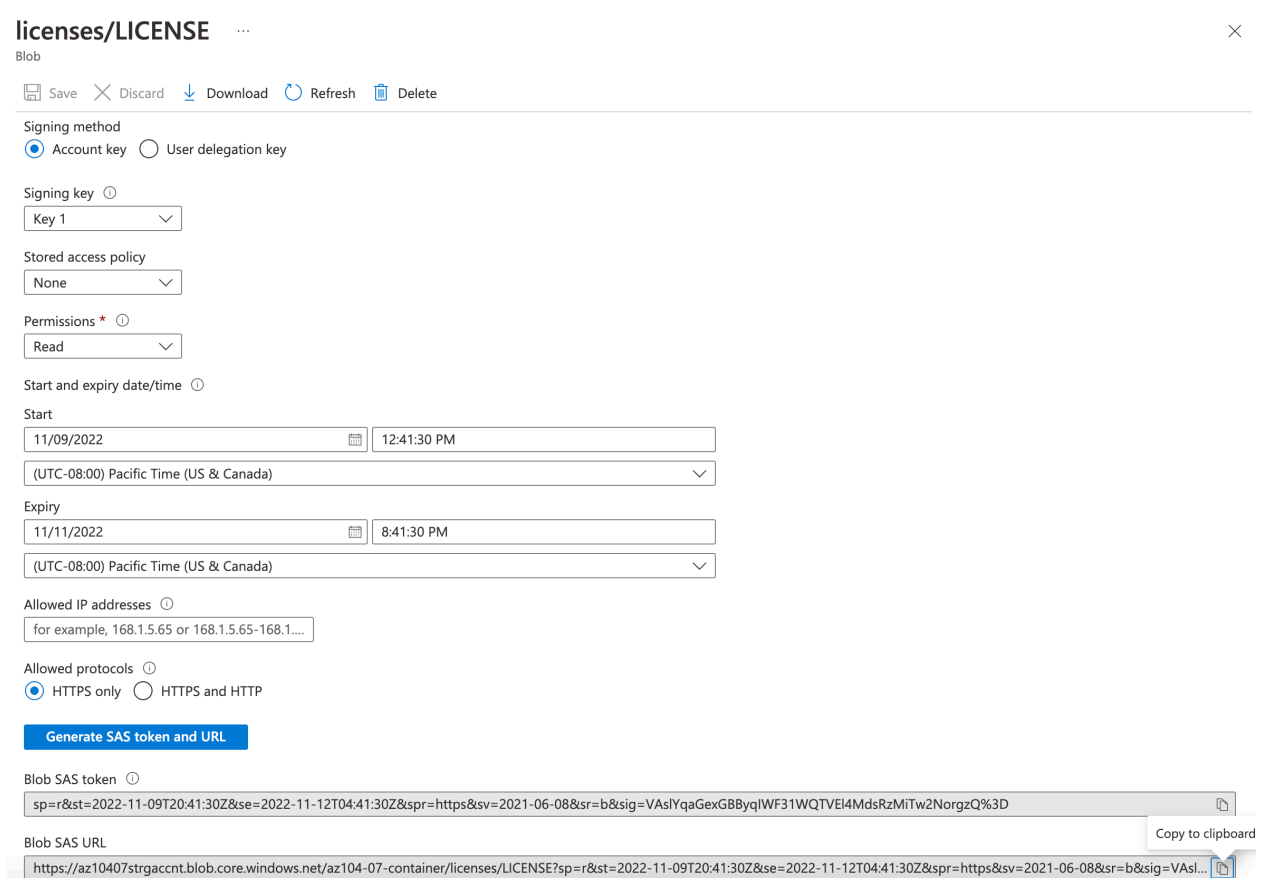
Could not reach the file



A screenshot of a web browser window. The address bar shows the URL `https://az10407strgacct.blob.core.windows.net/az104-07-container/licenses/LICENSE`. Below the address bar, a message states: "This XML file does not appear to have any style information associated with it. The document tree is shown below." The XML content is as follows:

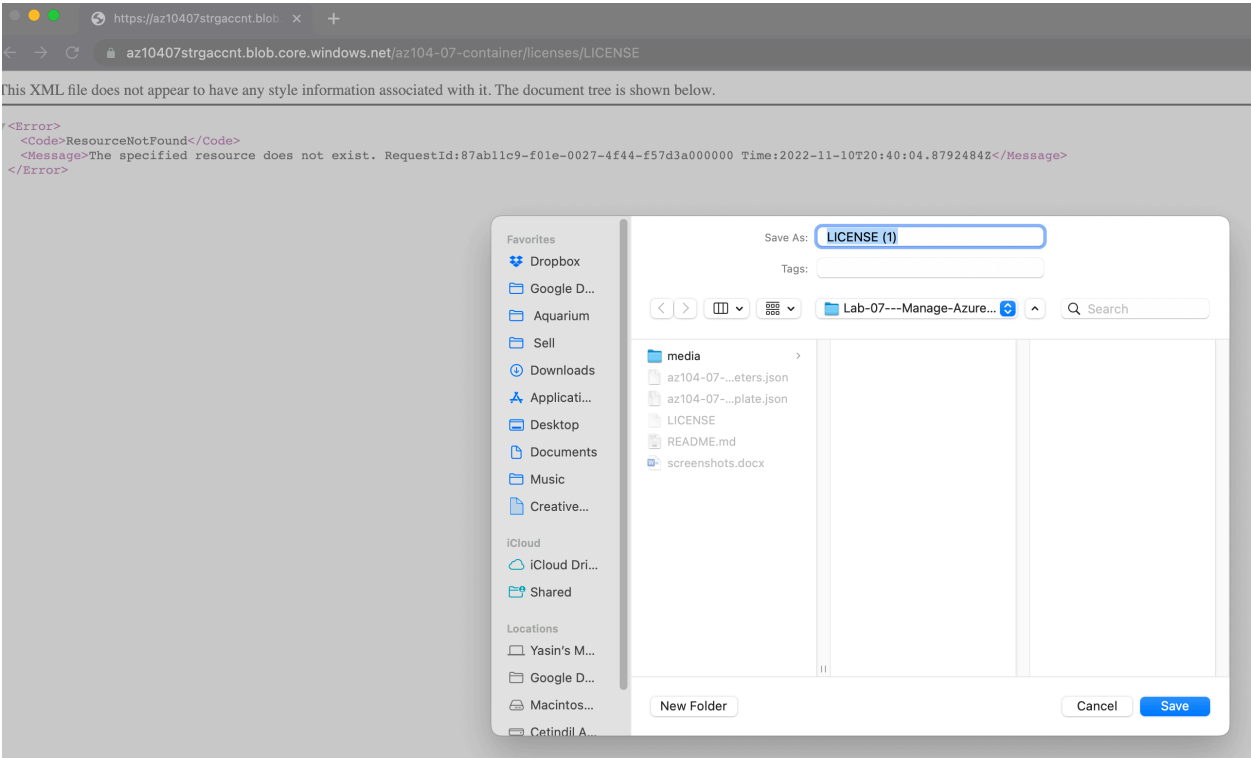
```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Error>
  <Code>ResourceNotFound</Code>
  <Message>The specified resource does not exist. RequestId:87ab11c9-f01e-0027-4f44-f57d3a000000 Time:2022-11-10T20:40:04.8792484Z</Message>
</Error>
```

## Generated SAS token



The screenshot shows the 'licenses/LICENSE' page in the Azure Storage Explorer. The page is titled 'Blob' and has a close button in the top right corner. Below the title, there are action buttons: 'Save', 'Discard', 'Download', 'Refresh', and 'Delete'. The 'Signing method' section has two radio buttons: 'Account key' (selected) and 'User delegation key'. The 'Signing key' dropdown is set to 'Key 1'. The 'Stored access policy' dropdown is set to 'None'. The 'Permissions' dropdown is set to 'Read'. The 'Start and expiry date/time' section has two rows. The first row has 'Start' date '11/09/2022' and time '12:41:30 PM', with a dropdown set to '(UTC-08:00) Pacific Time (US & Canada)'. The second row has 'Expiry' date '11/11/2022' and time '8:41:30 PM', with a dropdown set to '(UTC-08:00) Pacific Time (US & Canada)'. The 'Allowed IP addresses' text box contains the example '168.1.5.65 or 168.1.5.65-168.1...'. The 'Allowed protocols' section has two radio buttons: 'HTTPS only' (selected) and 'HTTPS and HTTP'. A blue button labeled 'Generate SAS token and URL' is located below these settings. Below the button, the 'Blob SAS token' is displayed in a text box: `sp=r&st=2022-11-09T20:41:30Z&se=2022-11-12T04:41:30Z&spr=https&sv=2021-06-08&sr=b&sig=VAsIYqaGexGBByqIWF31WQTVEI4MdsRzMiTw2NorgzQ%3D`. Below the token, the 'Blob SAS URL' is displayed in a text box: `https://az10407strgacct.blob.core.windows.net/az104-07-container/licenses/LICENSE?sp=r&st=2022-11-09T20:41:30Z&se=2022-11-12T04:41:30Z&spr=https&sv=2021-06-08&sr=b&sig=VAsI...`. A 'Copy to clipboard' button is located to the right of the URL text box.

Could reach the file



After adding role assignment to myself

## Yasin Cetindil assignments - az104-07-container

Current role assignments    Eligible assignments

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

Role assignments (2) ⓘ

Role	Description	Scope	Group assignment	Condition
<a href="#">Owner</a>	Grants full access to manage all r...	<a href="#">Subscription</a> (Inherited)	--	None
<a href="#">Storage Blob Data Owne</a>	Allows for full access to Azure St...	This resource	--	<a href="#">Add</a>

Deny assignments (0) ⓘ

Classic administrators (0) ⓘ

## Task 5: Create and configure an Azure Files shares



# az104-07-share

File share



 Search



 Upload  Add directory



Add directory



## Overview



## Diagnose and solve problems



## Access Control (IAM)

## Settings



## Properties

## Operations



## Snapshots




## Backup



 Search files by prefix

## Name

 [..]

 az-104-07-file.txt

## Task 6: Manage network access for Azure Storage

```
PS /home/yasin> Invoke-WebRequest -URI 'https://az10407strgacont.blob.core.windows.net/az104-07-container/licenses/LICENSE?sp=r&st=2022-11-09T20:41:30Z&se=2022-11-12T04:41:30Z&spr=https&sv=2021-06-08&sr=b&sig=VAa1YqaGexGB8yqIWF3iWQTVZl4MdsRzMiTw2NorgzQ43D'
Invoke-WebRequest: AuthorizationFailureThis request is not authorized to perform this operation.
RequestId:6e7b568d-c01e-002c-3148-f58651000000
Time:2022-11-10T21:07:40.2696760Z
```