

Azure Day-2 Handson-2

Screenshots :

The screenshot shows the Microsoft Azure Storage accounts page. The URL is <https://portal.azure.com/#blade/HubsExtension/BrowseResource/resourceType/Microsoft.Storage%2FStorageAccounts>. The page title is "Storage accounts". The search bar at the top right contains "Search resources, services, and docs (G+)" and the user "dineshbalaji916163@ou... DEFAULT DIRECTORY". The main content area displays a message: "No storage accounts to display". Below this, there is a brief description: "Create a storage account to store up to 500TB of data in the cloud. Use a general-purpose storage account to store object data, use a NoSQL data store, define and use queues for message processing, and set up file shares in the cloud. Use the Blob storage account and the hot or cool access tiers to optimize your costs based on how frequently your object data is accessed." A "Learn more" link is present. At the bottom, a blue button says "Create storage account".

The screenshot shows the "Create a storage account" wizard, step 1: Basics. The URL is <https://portal.azure.com/#create/Microsoft.StorageAccount>. The page title is "Create a storage account". The search bar at the top right contains "Search resources, services, and docs (G+)" and the user "dineshbalaji916163@ou... DEFAULT DIRECTORY". The main content area shows the "Basics" tab selected. It includes fields for "Subscription" (selected: "Azure Free - 1000MB v2") and "Resource group" (selected: "DineshRg_21July2021"). Below these, the "Instance details" section contains fields for "Storage account name" (input: "azurehandsonday2"), "Region" (selected: "(US) East US"), "Performance" (radio buttons: "Standard" (selected) and "Premium"), and "Redundancy" (selected: "Geo-redundant storage (GRS)"). A checkbox "Make read access to data available in the event of regional unavailability." is checked. At the bottom, there are buttons for "Review + create" and "Next : Advanced >".

Create a storage account - Microsoft Azure

portal.azure.com/#create/Microsoft.StorageAccount

Microsoft Azure

Search resources, services, and docs (G+/)

dineshbala@916163@outlook.com DEFAULT DIRECTORY

Home > Storage accounts >

Create a storage account ...

Validation passed

Basics Advanced Networking Data protection Tags Review + create

Basics

Subscription	Azure Pass - Sponsorship
Resource Group	DineshRg_21July2021
Location	eastus
Storage account name	azurehandsontay2
Deployment model	Resource manager
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Secure transfer	Enabled
Allow storage account key access	Enabled
Infrastructure encryption	Disabled
Blob public access	Enabled

Create < Previous Next > Download a template for automation

Create a storage account - Microsoft Azure

portal.azure.com/#create/Microsoft.StorageAccount

Microsoft Azure

Search resources, services, and docs (G+/)

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Home > Storage accounts >

Create a storage account ...

Deploying...

Basics Advanced Networking Data protection Tags Review + create

Basics

Subscription	Azure Pass - Sponsorship
Resource Group	DineshRg_21July2021
Location	eastus
Storage account name	azurehandsontay2
Deployment model	Resource manager
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

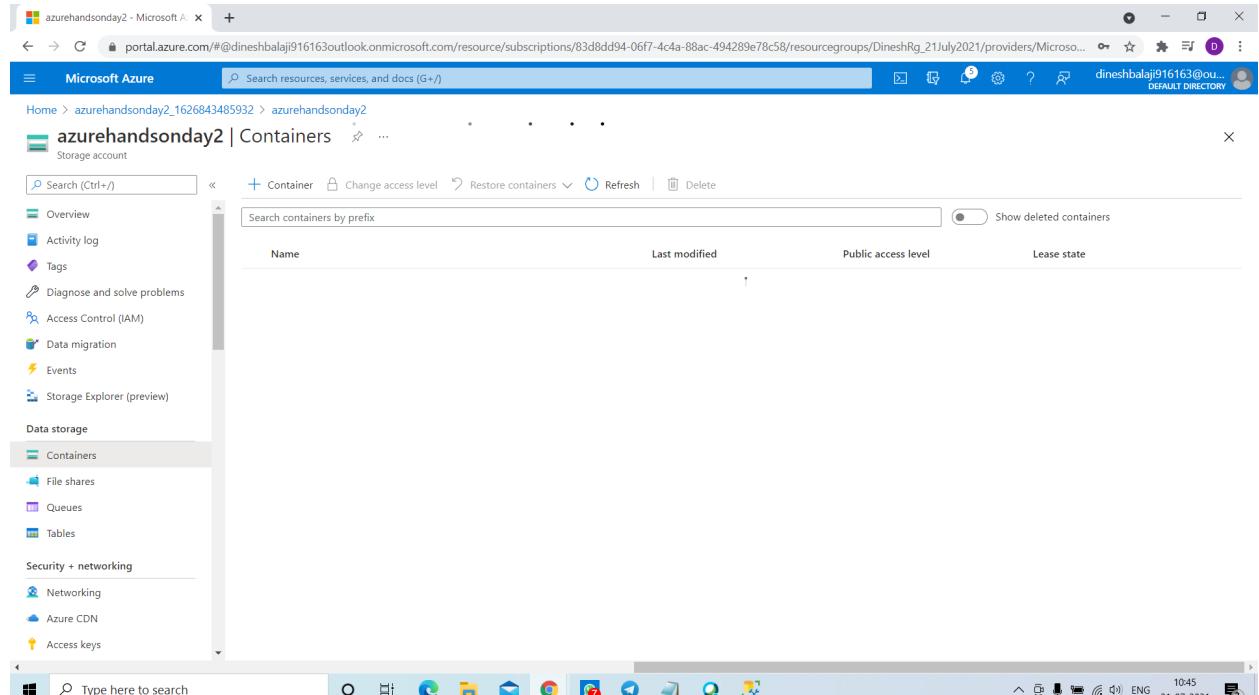
Secure transfer	Enabled
Allow storage account key access	Enabled
Infrastructure encryption	Disabled
Blob public access	Enabled

*** Initializing deployment...
Initializing template deployment to resource group 'DineshRg_21July2021'.

Create < Previous Next > Download a template for automation

The screenshot shows the Microsoft Azure Deployment Overview page for a completed deployment named "azurehandsonday2_1626843485932". The main message is "Your deployment is complete". Deployment details include the name, subscription (Azure Pass - Sponsorship), and resource group (DineshRg_21July2021). The deployment started at 7/21/2021, 10:28:10 AM with a correlation ID of f29c669a-f53e-4ecf-8a2a-cdc2253b12b6. A "Go to resource" button is present. The right sidebar features links to Security Center, Microsoft tutorials, and Azure experts.

The screenshot shows the Microsoft Azure Storage Account overview page for the account "azurehandsonday2". The account type is Storage account. The left sidebar lists navigation options like Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, and Storage Explorer (preview). The main content area displays account properties such as Resource group (DineshRg_21July2021), Location (East US), Primary/Secondary Location (Primary: East US, Secondary: West US), Subscription (Azure Pass - Sponsorship), Subscription ID (83d8dd94-06f7-4c4a-88ac-494289e78c58), Disk state (Primary: Available, Secondary: Available), and tags. The Properties tab is selected, showing Blob service, Security, and Networking settings. The right sidebar includes a "JSON View" link.

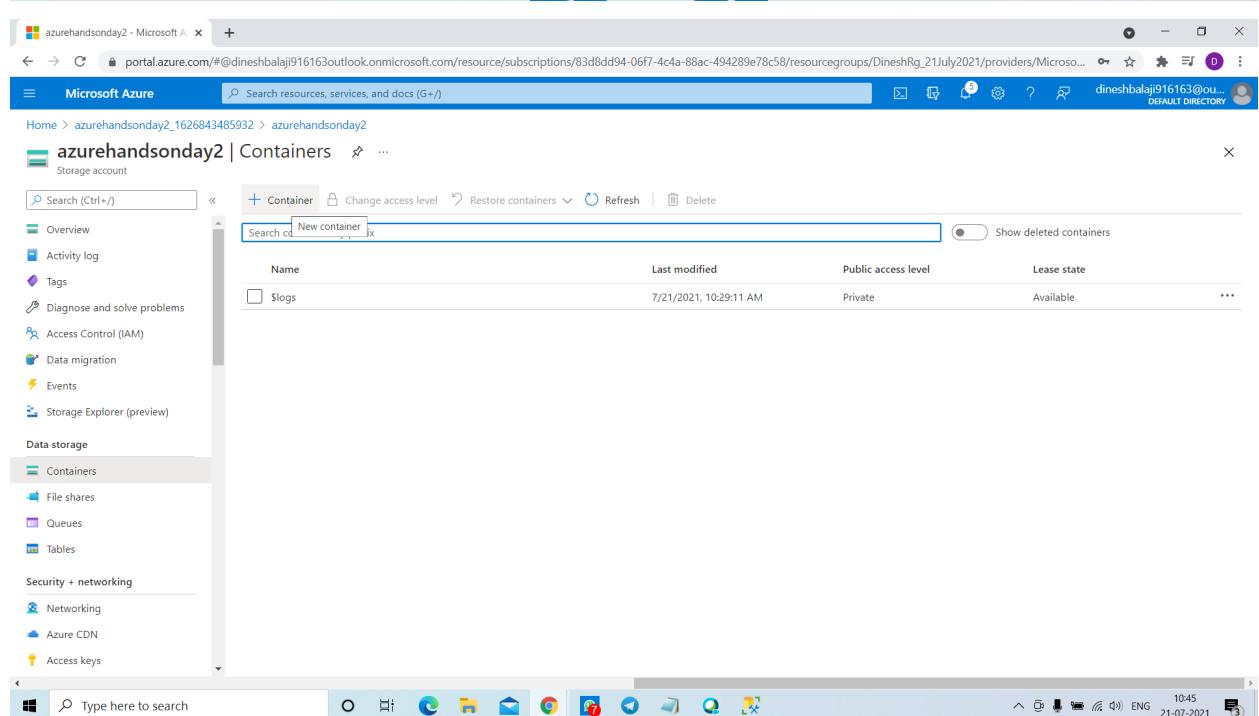


The screenshot shows the Microsoft Azure Storage account containers page. The left sidebar navigation includes: Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage Explorer (preview), Data storage (Containers selected), File shares, Queues, Tables, Security + networking (Networking, Azure CDN, Access keys), and a search bar at the bottom.

The main content area displays a table for containers:

Name	Last modified	Public access level	Lease state

A message at the top right says "Show deleted containers".



The screenshot shows the Microsoft Azure Storage account containers page after creating a new container named '\$logs'. The main content area displays a table for containers:

Name	Last modified	Public access level	Lease state
\$logs	7/21/2021, 10:29:11 AM	Private	Available

A message at the top right says "Show deleted containers".

New container - Microsoft Azure

Microsoft Azure

Search resources, services, and docs (G+/)

dineshbala@916163.outlook.onmicrosoft.com

Home > azurehandsday2_1626843485932 > azurehandsday2

azurehandsday2 | Containers

Storage account

Search (Ctrl+J)

+ Container Change access level Restore containers Refresh Delete

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage Explorer (preview)

Data storage

Containers File shares Queues Tables

Security + networking

Networking Azure CDN Access keys

Type here to search

10:46 21-07-2021

New container

Name * blobcontainer

Public access level Private (no anonymous access)

Advanced

Create Discard

New container - Microsoft Azure

Microsoft Azure

Search resources, services, and docs (G+/)

dineshbala@916163.outlook.onmicrosoft.com

Home > azurehandsday2_1626843485932 > azurehandsday2

azurehandsday2 | Containers

Storage account

Search (Ctrl+J)

+ Container Change access level Restore containers Refresh Delete

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage Explorer (preview)

Data storage

Containers File shares Queues Tables

Security + networking

Networking Azure CDN Access keys

Type here to search

10:46 21-07-2021

New container

Name * blobcontainer

Public access level Private (no anonymous access)

Advanced

Create Discard

azurehandsday2 - Microsoft Azure

portal.azure.com/#@dineshbala916163outlook.onmicrosoft.com/resource/subscriptions/83d8dd94-06f7-4c4a-88ac-494289e78c58/resourcegroups/DineshRg_21July2021/providers/Microso...

Microsoft Azure

Search resources, services, and docs (G+ /)

Home > azurehandsday2_1626843485932 > azurehandsday2

azurehandsday2 | Containers

Storage account

+ Container □ Change access level ⌂ Restore containers ⌂ Refresh Delete

Search containers by prefix

Name	Last modified	Public access level	Lease state
\$logs	7/21/2021, 10:29:11 AM	Private	Available
blobcontainer	7/21/2021, 10:46:05 AM	Private	Available

Show deleted containers

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage Explorer (preview)

Data storage

Containers File shares Queues Tables

Security + networking

Networking Azure CDN Access keys

Type here to search

blobcontainer - Microsoft Azure

portal.azure.com/#blade/Microsoft_Azure_Storage/ContainerMenuBlade/overview/storageAccountId/%2Fsubscriptions%2F83d8dd94-06f7-4c4a-88ac-494289e78c58%2Fresourcegroups%2F...

Microsoft Azure

Search resources, services, and docs (G+ /)

dineshbala916163@ou.. DEFAULT DIRECTORY

Home > azurehandsday2_1626843485932 > azurehandsday2

blobcontainer | Container

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots Create snapshot

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

Search blobs by prefix (case-sensitive)

Add filter

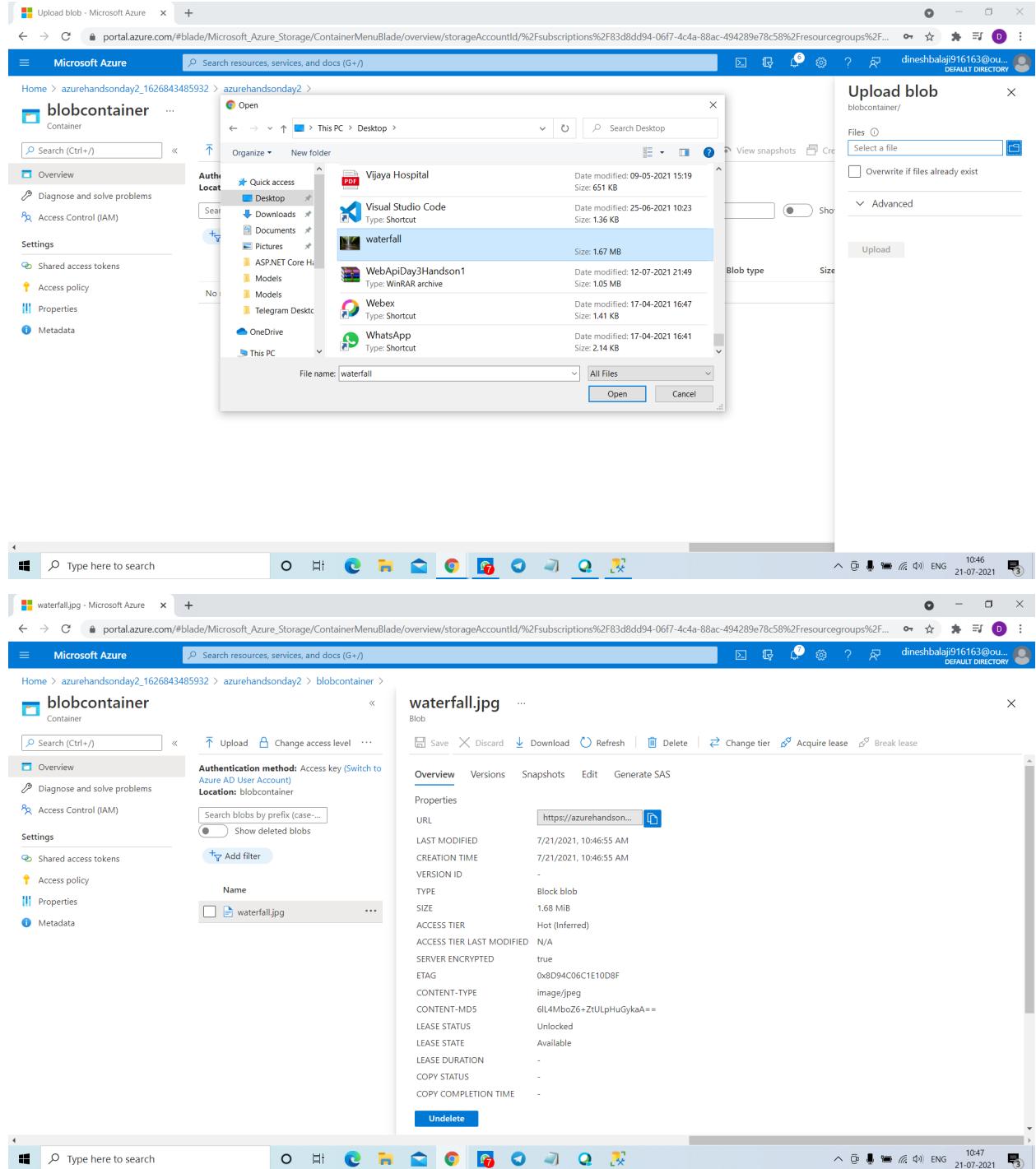
Name	Modified	Access tier	Blob type	Size	Lease state
No results					

Overview Diagnose and solve problems Access Control (IAM)

Settings

Shared access tokens Access policy Properties Metadata

Type here to search



URL : <https://azurehandsonday2.blob.core.windows.net/blobcontainer/waterfall.jpg>

waterfall.jpg - Microsoft Azure

Microsoft Azure

Search resources, services, and docs (G+/)

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer

blobcontainer Container

Search (Ctrl+ /) Upload Change access level ...

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

Overview Versions Snapshots Edit Generate SAS

Properties Copy to clipboard

URL https://azurehands...

LAST MODIFIED 7/21/2021, 10:46:55 AM
CREATION TIME 7/21/2021, 10:46:55 AM
VERSION ID -
TYPE Block blob
SIZE 1.68 MB
ACCESS TIER Hot (Inferred)
ACCESS TIER LAST MODIFIED N/A
SERVER ENCRYPTED true
ETAG 0x8D94C06C1E10D8F
CONTENT-TYPE image/jpeg
CONTENT-MDS 6l4MboZ6+ZtULpHuGykaA==
LEASE STATUS Unlocked
LEASE STATE Available
LEASE DURATION -
COPY STATUS -
COPY COMPLETION TIME -

Undelete

Type here to search

https://azurehandsday2.blob.core.windows.net/blobcontainer/waterfall.jpg

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:2d973f66-701e-0057-6aef-7d7c9c000000 Time:2021-07-21T05:17:59.2360892Z</Message>
</Error>
```

Type here to search

waterfall.jpg - Microsoft Azure https://azurehandsday2.blob.c... +

Microsoft Azure Search resources, services, and docs (G+) dineshbala916163@ou... DEFAULT DIRECTORY

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer Container

Search (Ctrl+ /) Upload Change access level ...

Overview Diagnose and solve problems Access Control (IAM)

Settings Shared access tokens Access policy Properties Metadata

Change access level Change the access level of container 'blobcontainer'. Public access level: Private (no anonymous access) OK Cancel

waterfall.jpg ... Blob

Save Discard Download Refresh Delete Change tier Acquire lease Break lease

Overview Versions Snapshots Edit Generate SAS

Properties URL https://azurehands... LAST MODIFIED 7/21/2021, 10:46:55 AM CREATION TIME 7/21/2021, 10:46:55 AM VERSION ID - TYPE Block blob SIZE 1.68 MiB ACCESS TIER Hot (Inferred) ACCESS TIER LAST MODIFIED N/A SERVER ENCRYPTED true ETag 0x8D94C06C1E10D8F CONTENT-TYPE image/jpeg CONTENT-MDS 6lL4MboZ6+ZtULpHuGykaA== LEASE STATUS Unlocked LEASE STATE Available LEASE DURATION - COPY STATUS - COPY COMPLETION TIME - Undelete

Type here to search 10:48 21-07-2021

waterfall.jpg - Microsoft Azure https://azurehandsday2.blob.c... +

Microsoft Azure Search resources, services, and docs (G+) dineshbala916163@ou... DEFAULT DIRECTORY

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer Container

Search (Ctrl+ /) 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: blobcontainer

Search blobs by prefix (case...) Show deleted blobs Add filter Name

waterfall.jpg ... Blob

Save Discard Download Refresh Delete Change tier Acquire lease Break lease

Overview Versions Snapshots Edit Generate SAS

Properties URL https://azurehands... LAST MODIFIED 7/21/2021, 10:46:55 AM CREATION TIME 7/21/2021, 10:46:55 AM VERSION ID - TYPE Block blob SIZE 1.68 MiB ACCESS TIER Hot (Inferred) ACCESS TIER LAST MODIFIED N/A SERVER ENCRYPTED true ETag 0x8D94C06C1E10D8F CONTENT-TYPE image/jpeg CONTENT-MDS 6lL4MboZ6+ZtULpHuGykaA== LEASE STATUS Unlocked LEASE STATE Available LEASE DURATION - COPY STATUS - COPY COMPLETION TIME - Undelete

Type here to search 10:48 21-07-2021

waterfall.jpg - Microsoft Azure https://azurehandsday2.blob.core.windows.net/

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

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer Container

blobcontainer

Search (Ctrl+J) Upload Change access level ...

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

Diagnose and solve problems Access Control (IAM)

Shared access tokens Access policy Properties Metadata

Search blobs by prefix (case...) Show deleted blobs Add filter

Name Name: waterfall.jpg

Properties Overview Versions Snapshots Edit Generate SAS

URL https://azurehands... LAST MODIFIED 7/21/2021, 10:46:55 AM

CREATION TIME 7/21/2021, 10:46:55 AM VERSION ID -

TYPE Block blob SIZE 1.68 MiB

ACCESS TIER Hot (Inferred) ACCESS TIER LAST MODIFIED N/A

SERVER ENCRYPTED true ETAG 0x8D94C06C1E10D8F

CONTENT-TYPE image/jpeg CONTENT-MDS 6l4LmboZ6+ZtULpHuGykaA==

LEASE STATUS Unlocked LEASE STATE Available

LEASE DURATION - COPY STATUS -

COPY COMPLETION TIME -

Undelete

waterfall.jpg ...

Save Discard Download Refresh Delete Change tier Acquire lease Break lease

*** Changing access level for container(s)... Attempting to change access level for 1 containers(s)

Type here to search 10:48 21-07-2021

waterfall.jpg - Microsoft Azure https://azurehandsday2.blob.core.windows.net/

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

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer Container

blobcontainer

Search (Ctrl+J) Upload Change access level ...

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

Diagnose and solve problems Access Control (IAM)

Shared access tokens Access policy Properties Metadata

Search blobs by prefix (case...) Show deleted blobs Add filter

Name Name: waterfall.jpg

Properties Overview Versions Snapshots Edit Generate SAS

URL https://azurehands... LAST MODIFIED 7/21/2021, 10:46:55 AM

CREATION TIME 7/21/2021, 10:46:55 AM VERSION ID -

TYPE Block blob SIZE 1.68 MiB

ACCESS TIER Hot (Inferred) ACCESS TIER LAST MODIFIED N/A

SERVER ENCRYPTED true ETAG 0x8D94C06C1E10D8F

CONTENT-TYPE image/jpeg CONTENT-MDS 6l4LmboZ6+ZtULpHuGykaA==

LEASE STATUS Unlocked LEASE STATE Available

LEASE DURATION - COPY STATUS -

COPY COMPLETION TIME -

Undelete

waterfall.jpg ...

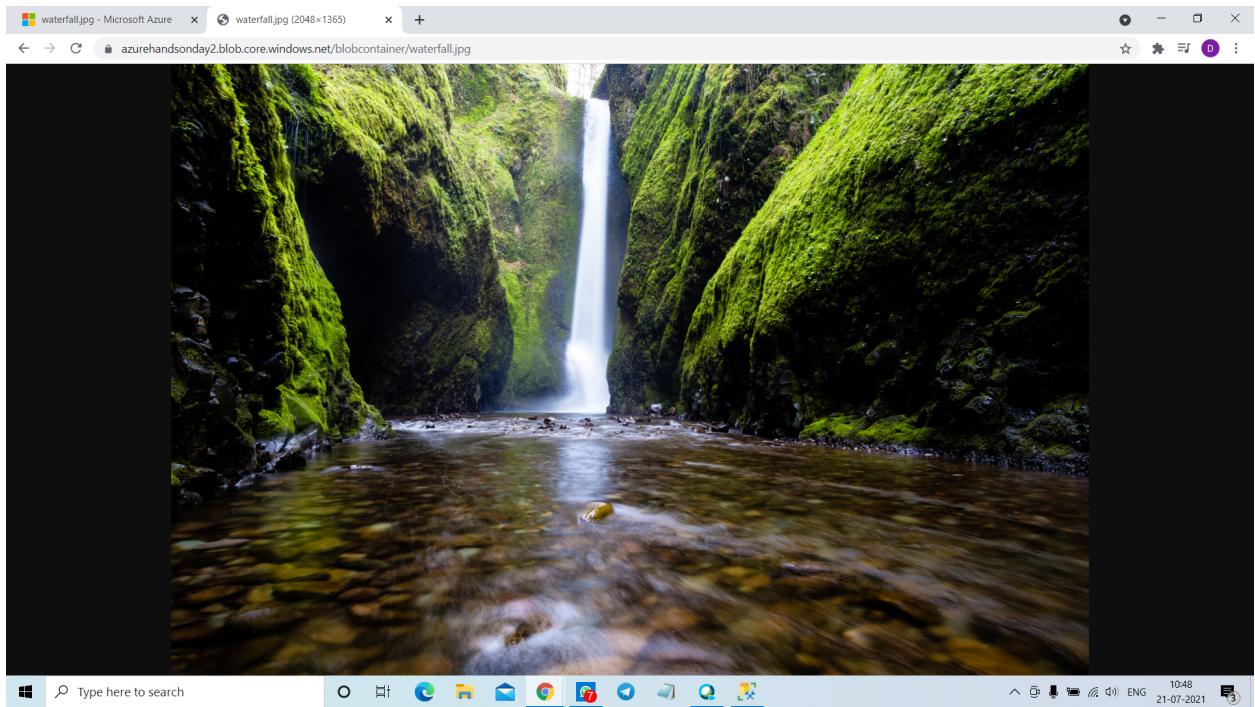
Save Discard Download Refresh Delete

Notifications

More events in the activity log → Dismiss all

- Successfully changed access level for container(s) Successfully changed access level for 1 container(s). a few seconds ago
- Upload Completed for waterfall.jpg 1.68 MiB | azurehandsday2 2 minutes ago
- Successfully created storage container Successfully created storage container 'blobcontainer'. 2 minutes ago
- Deployment succeeded Deployment 'azurehandsday2_1626843485932' to resource group 'DineshRg_21July2021' was successful. 19 minutes ago
- Successfully updated server firewall rules Successfully updated firewall rules for server: dineshcognizant an hour ago
- Deployment succeeded Deployment 'Microsoft.SQLDatabase.newDatabaseExistingServer_38b4b70090724095' to

Type here to search 10:48 21-07-2021



Generating SAS Token for secure file transfer :

A screenshot of the Microsoft Azure Storage Blob Container blade. The left sidebar shows the container name "blobcontainer". The main area displays a file named "waterfall.jpg". The "Generate SAS" tab is selected. The blade provides options for generating a Shared Access Signature (SAS) token. It includes fields for "Signing method" (set to "Account key"), "Key 1" (selected), "Permissions" (set to "Read"), and date/time ranges for "Start" (07/21/2021, 10:49:09 AM) and "Expiry" (07/21/2021, 6:49:09 PM). There is also a field for "Allowed IP addresses". The browser interface and system status are visible at the bottom.

The screenshot shows the Microsoft Azure Storage Container blade for a blob named 'waterfall.jpg'. The blob is located in the 'blobcontainer' container under the 'azurehandsday2' storage account. The blob has a size of 0B and was last modified on 21/07/2021 at 10:49:09 AM. The blob's properties are displayed, including its name, type (blob), and metadata. The blob is publicly accessible with a SAS URL: https://azurehandsday2.blob.core.windows.net/blobcontainer/waterfall.jpg?sp=r&st=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=https&sv=2020-08-04&sr=b&sig=%2Fgwy0MsXtCxkCxb6N7UWiUIUE%2BlwkD... . The blob's access level is set to 'Read'.

waterfall.jpg

blobcontainer

blob

Search (Ctrl+ /)

Upload Change access level

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

Location: blobcontainer

Search blobs by prefix (case...) Show deleted blobs

Add filter

Name: waterfall.jpg

Permissions: Read

Start and expiry date/time:

Start: 07/21/2021 10:49:09 AM (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Expiry: 07/21/2021 6:49:09 PM (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses: for example, 168.1.5.65 or 168.1.5.65-168.1...

Allowed protocols: HTTPS only

Generate SAS token and URL

Blob SAS token: sp=r&st=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=https&sv=2020-08-04&sr=b&sig=%2Fgwy0MsXtCxkCxb6N7UWiUIUE%2BlwkD...

Blob SAS URL: https://azurehandsday2.blob.core.windows.net/blobcontainer/waterfall.jpg?sp=r&st=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=htt...

The screenshot shows two side-by-side views of the Microsoft Azure Storage Container settings interface. Both views are for a container named 'blobcontainer' under the storage account 'azurehandsday2'. The top view shows the 'Change access level' dialog open, with the 'Public access level' dropdown set to 'Container (anonymous read access for ...)' and the 'OK' button highlighted. The bottom view shows the same dialog with the 'Public access level' dropdown set to 'Private (no anonymous access)' and the 'OK' button highlighted. Both dialogs include fields for 'Permissions' (set to 'Read'), 'Start' (07/21/2021 at 10:49:09 AM), 'Expiry' (07/21/2021 at 6:49:09 PM), 'Allowed IP addresses' (example: 168.1.5.65 or 168.1.5.65-168.1...), and 'Allowed protocols' (radio buttons for 'HTTPS only' and 'HTTPS and HTTP'). Below the dialog, the 'Generate SAS token and URL' button is visible. At the bottom of each view, the Blob SAS token and URL are displayed.

waterfall.jpg

blobcontainer

Change access level

Public access level

Container (anonymous read access for ...)

OK Cancel

waterfall.jpg

waterfall.jpg

Change access level

Private (no anonymous access)

OK OK

waterfall.jpg

waterfall.jpg - Microsoft Azure

Microsoft Azure

Search resources, services, and docs (G+)

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer

blobcontainer Container

Search (Ctrl+ /) 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: blobcontainer

Search blobs by prefix (case...) Show deleted blobs Add filter

Name: waterfall.jpg

waterfall.jpg ... Blob

Save Discard Download Refresh Delete

Permissions * Read Start and expiry date/time Start: 07/21/2021 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Expiry: 07/21/2021 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Allowed IP addresses: for example, 168.1.5.65 or 168.1.5.65-168.1... Allowed protocols: HTTPS only (selected) HTTPS and HTTP

Generate SAS token and URL

Blob SAS token: sp=r&t=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=https&sv=2020-08-04&sr=b&sig=%2Fgwy0MsXtCxkCxb6N7UWiUIUE%2BlwkD...

Blob SAS URL: https://azurehandsday2.blob.core.windows.net/blobcontainer/waterfall.jpg?sp=r&t=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=htt...

Successfully changed access level for container(s). Successfully changed access level for 1 container(s).

Type here to search

10:49 21-07-2021

waterfall.jpg - Microsoft Azure

Microsoft Azure

Search resources, services, and docs (G+)

Home > azurehandsday2_1626843485932 > azurehandsday2 > blobcontainer > blobcontainer

blobcontainer Container

Search (Ctrl+ /) 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: blobcontainer

Search blobs by prefix (case...) Show deleted blobs Add filter

Name: waterfall.jpg

waterfall.jpg ... Blob

Save Discard Download Refresh Delete

Permissions * Read Start and expiry date/time Start: 07/21/2021 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Expiry: 07/21/2021 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Allowed IP addresses: for example, 168.1.5.65 or 168.1.5.65-168.1... Allowed protocols: HTTPS only (selected) HTTPS and HTTP

Generate SAS token and URL

Blob SAS token: sp=r&t=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=https&sv=2020-08-04&sr=b&sig=%2Fgwy0MsXtCxkCxb6N7UWiUIUE%2BlwkD...

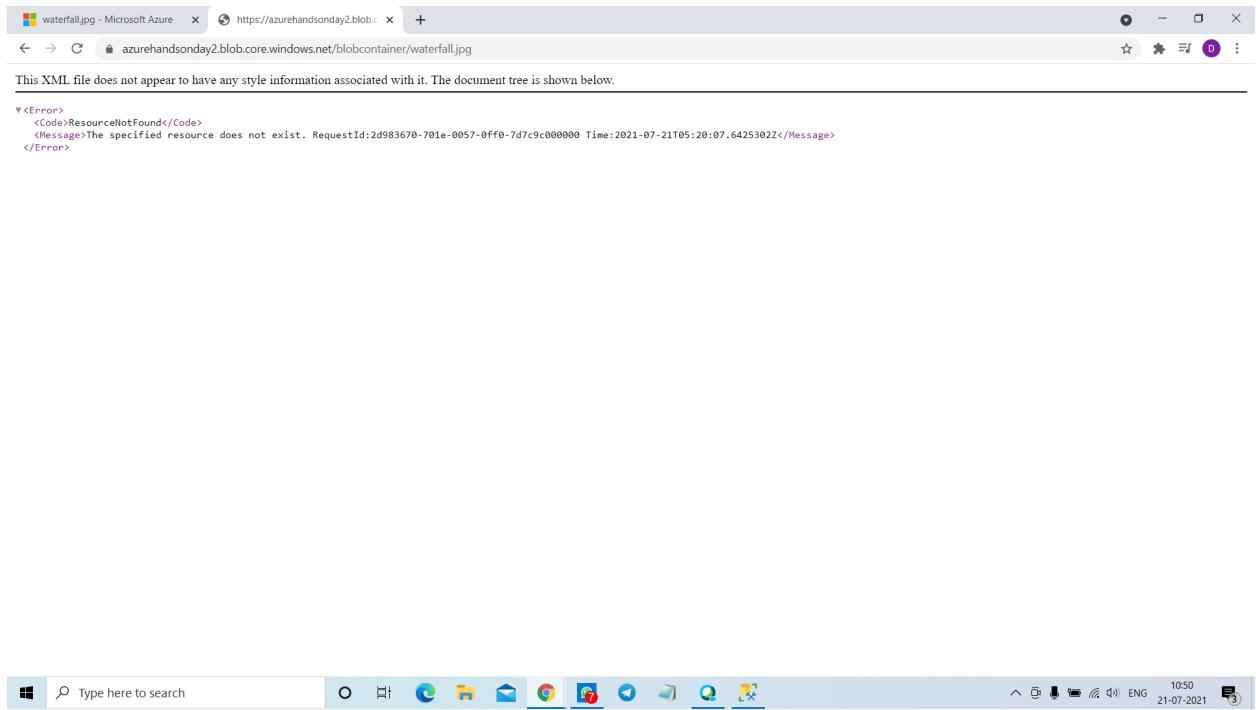
Blob SAS URL: https://azurehandsday2.blob.core.windows.net/blobcontainer/waterfall.jpg?sp=r&t=2021-07-21T05:19:09Z&se=2021-07-21T13:19:09Z&spr=htt...

Successfully changed access level for container(s). Successfully changed access level for 1 container(s).

Type here to search

10:49 21-07-2021

While generating the image, without the token.



Generating the image with SAS Token :

