

Lab25– Understanding CDN Profiles and Endpoint – Azure

Content delivery network

A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.

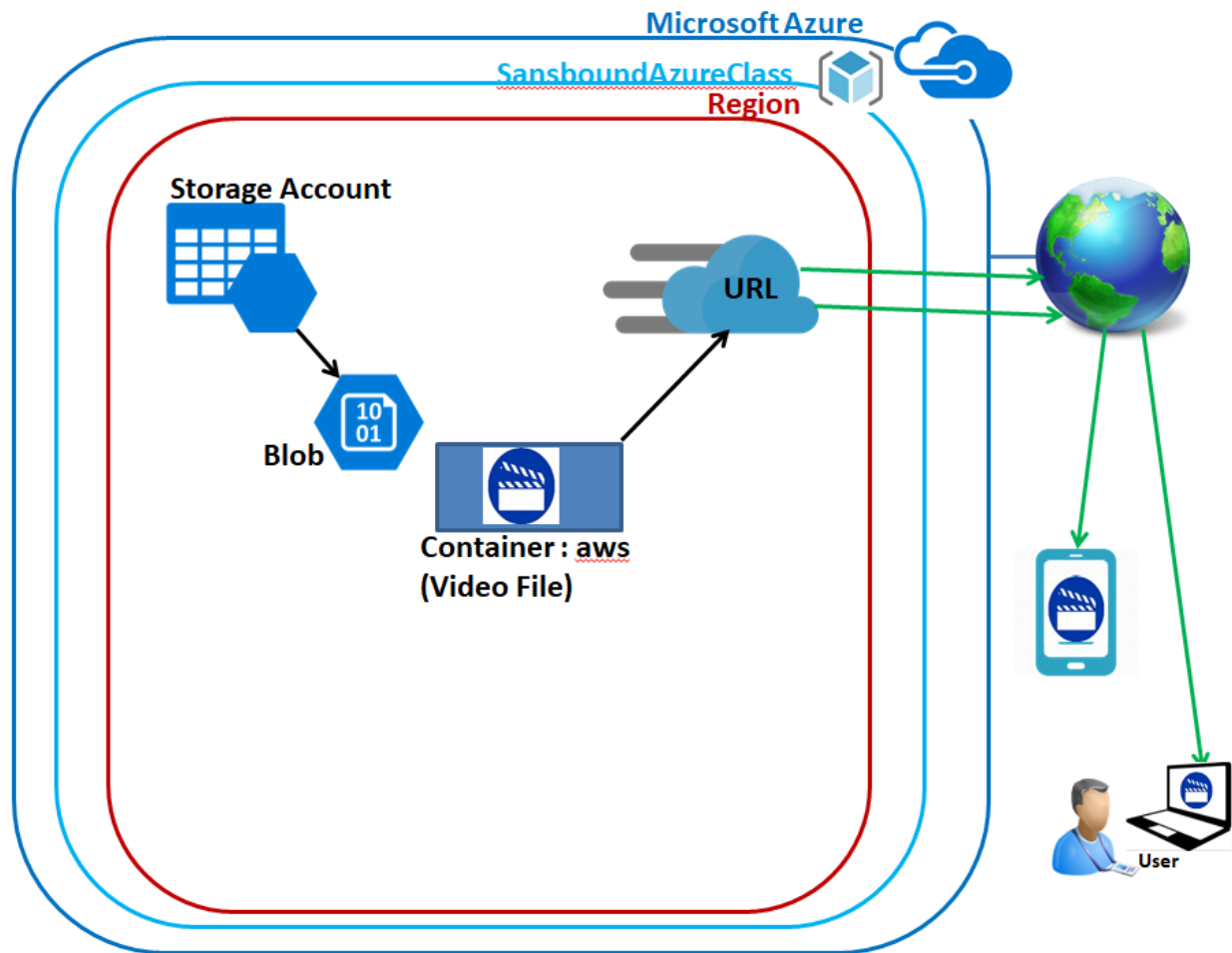
Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).

The benefits of using Azure CDN to deliver web site assets include:

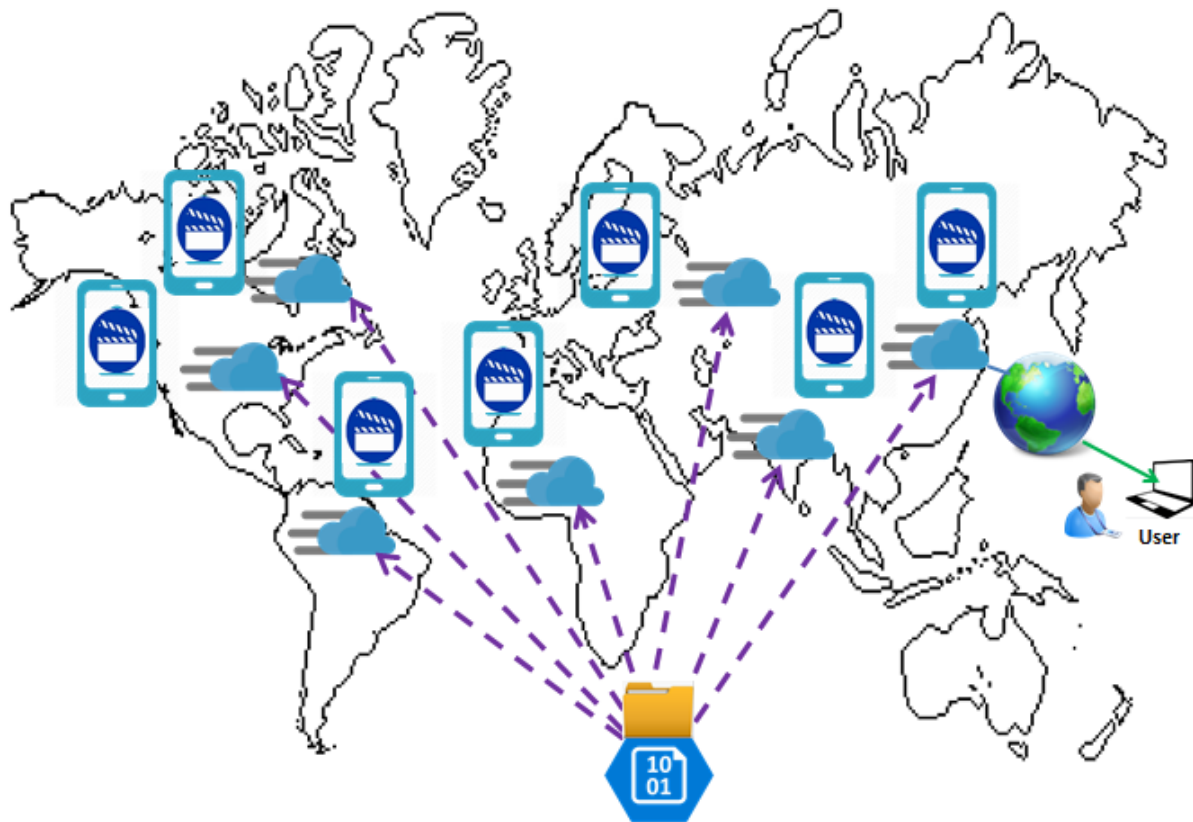
- Better performance and improved user experience for end users, especially when using applications in which multiple round-trips are required to load content.
- Large scaling to better handle instantaneous high loads, such as the start of a product launch event.
- Distribution of user requests and serving of content directly from edge servers so that less traffic is sent to the origin server.

<u>Check Name Availability</u>	Verify the uniqueness of resource names.
<u>Check Resource Usage</u>	Discover quotas and usage of CDN profiles.
<u>Custom Domains</u>	Provides operations for working with CDN custom domains.
<u>Edge Nodes</u>	Obtain information about CDN edge nodes.
<u>Endpoints</u>	Create, validate, start, stop, and delete CDN endpoints. Pre-load and purge cached endpoint content.
<u>List Operations</u>	Provides information about CDN REST API operations.
<u>Origins</u>	Manage origins within an endpoint.
<u>Profiles</u>	Operations for managing CDN profiles. A CDN profile is a collection of CDN endpoints.

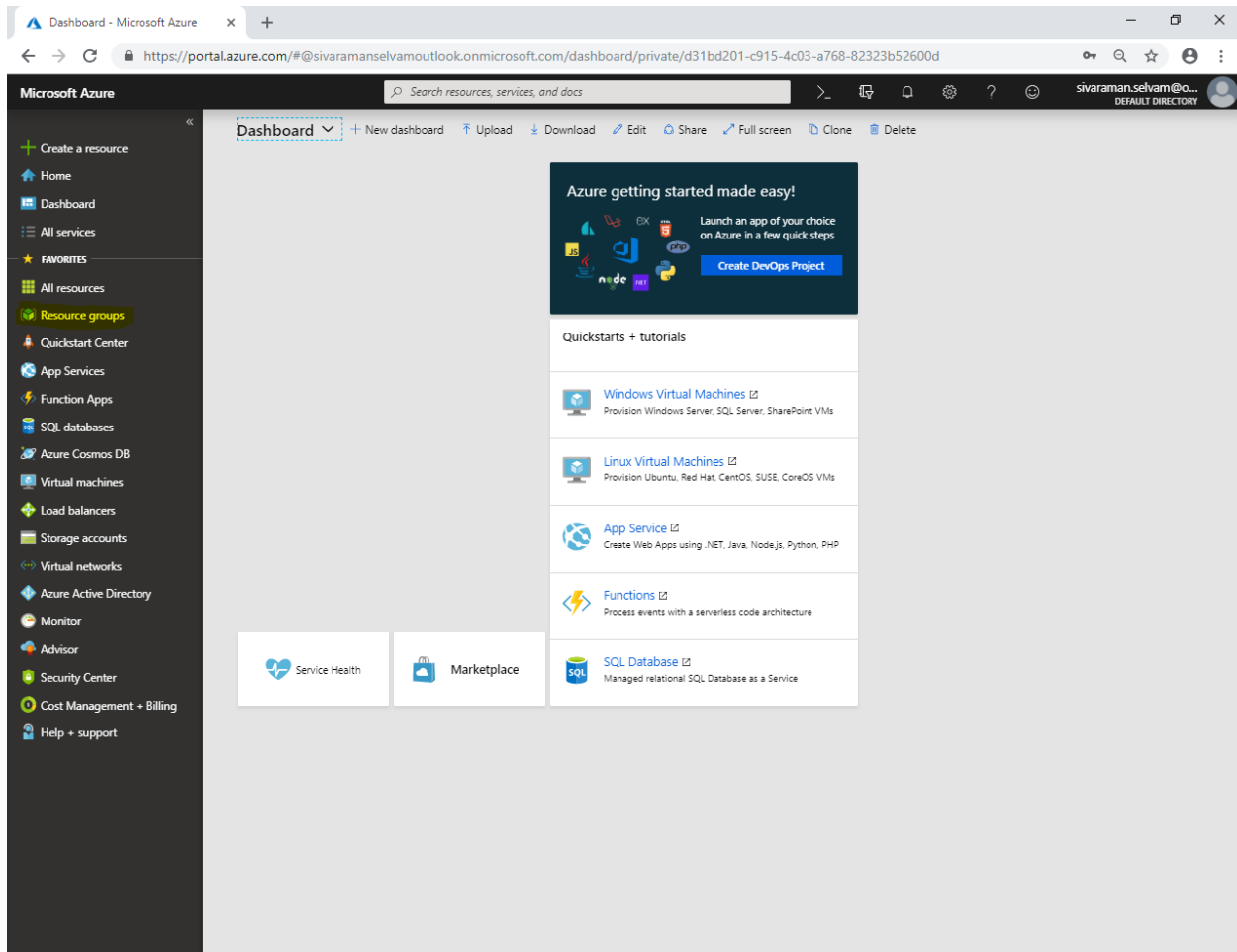
Topology:



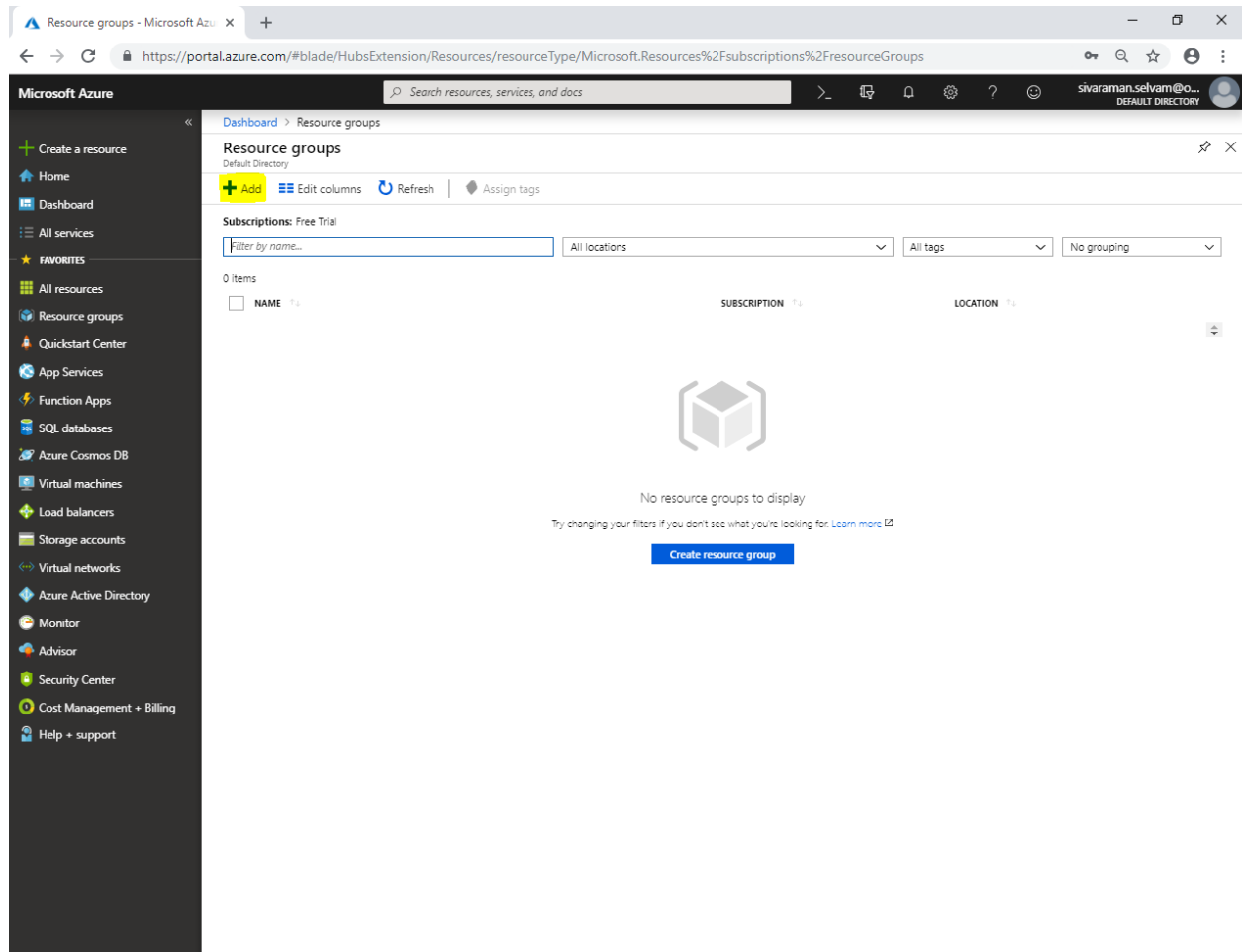
Backend Topology:



In Azure portal, click **“Resource groups”**.



In “Resource groups” click “Add”.



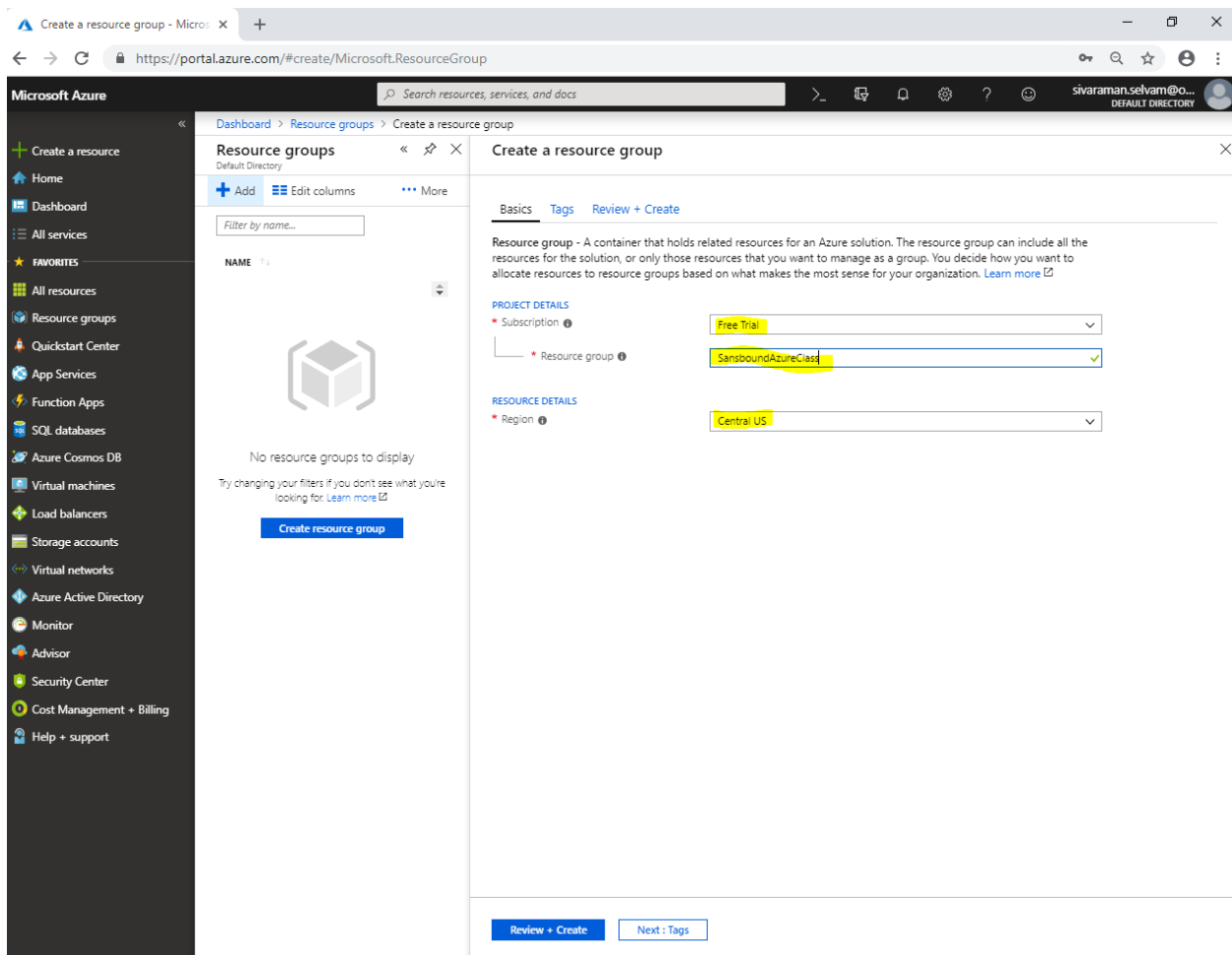
The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for various services, including Resource groups, Quickstart Center, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Billing, and Help + support. The main content area is titled "Resource groups" and shows a list of resource groups. The list is currently empty, displaying a message: "No resource groups to display. Try changing your filters if you don't see what you're looking for. Learn more". A "Create resource group" button is visible at the bottom of the list.

While create a resource group,

Select **"Subscription"** as **"Free Trial"**.

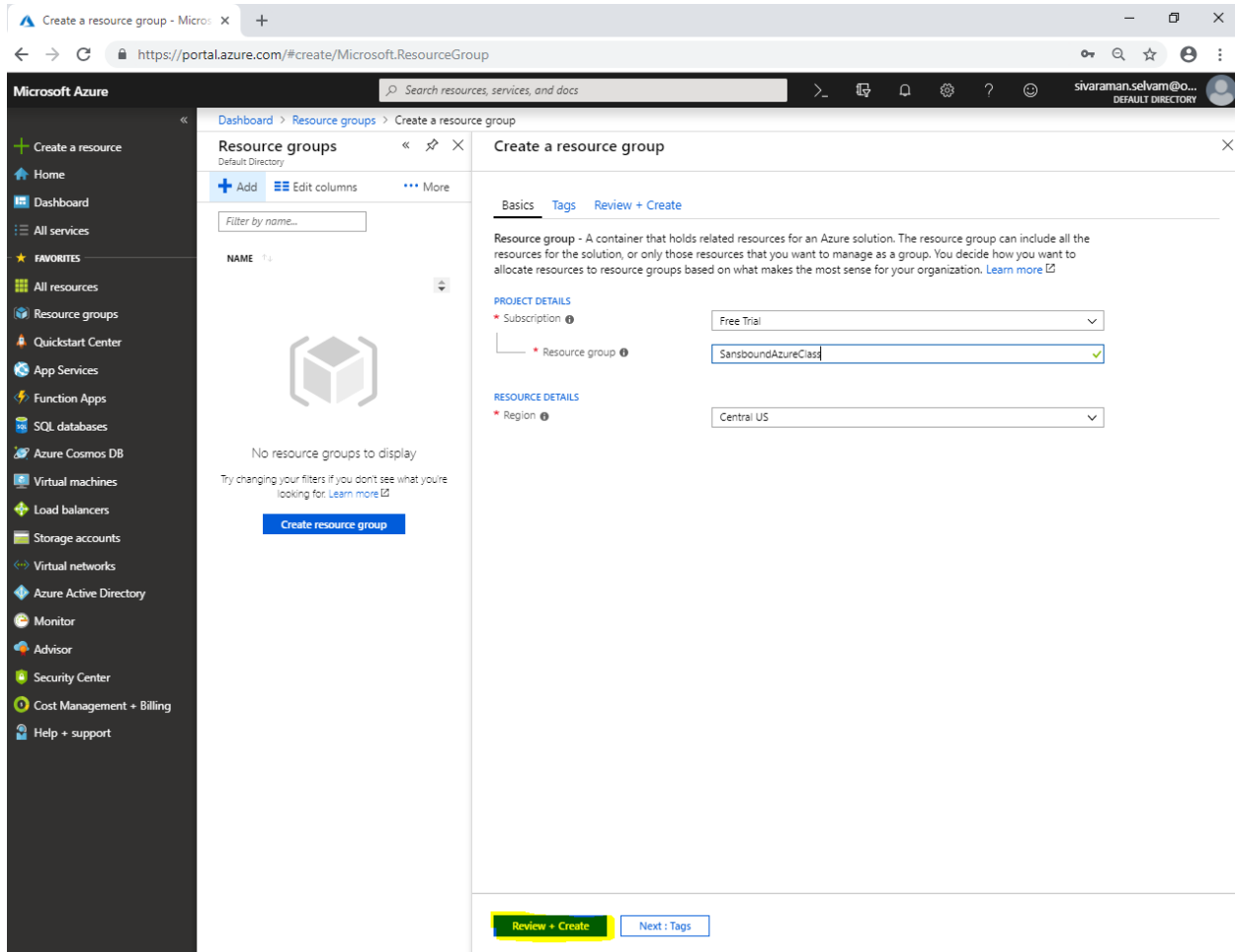
Type **"Resource group"** name as **"SansboundAzureClass"**.

Select **"Region"** as **"Central US"**.



The screenshot shows the Microsoft Azure portal interface. On the left is a navigation sidebar with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area is titled 'Create a resource group' and has tabs for 'Basics', 'Tags', and 'Review + Create'. Under 'Basics', there's a description of a resource group. Below that, 'PROJECT DETAILS' shows 'Subscription' as 'Free Trial' and 'Resource group' as 'SansboundAzureClass'. 'RESOURCE DETAILS' shows 'Region' as 'Central US'. At the bottom, there are buttons for 'Review + Create' and 'Next: Tags'.

Click **“Review + create”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for various services. The main content area displays the 'Create a resource group' wizard. The 'Review + Create' step is highlighted in yellow. The 'Resource group' name is 'SansboundAzureClass' and the 'Region' is 'Central US'. The 'Subscription' is 'Free Trial'.

Microsoft Azure

Dashboard > Resource groups > Create a resource group

Resource groups

Filter by name...

NAME

No resource groups to display

Try changing your filters if you don't see what you're looking for. [Learn more](#)

Create resource group

Create a resource group

Basics Tags Review + Create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

PROJECT DETAILS

Subscription Free Trial

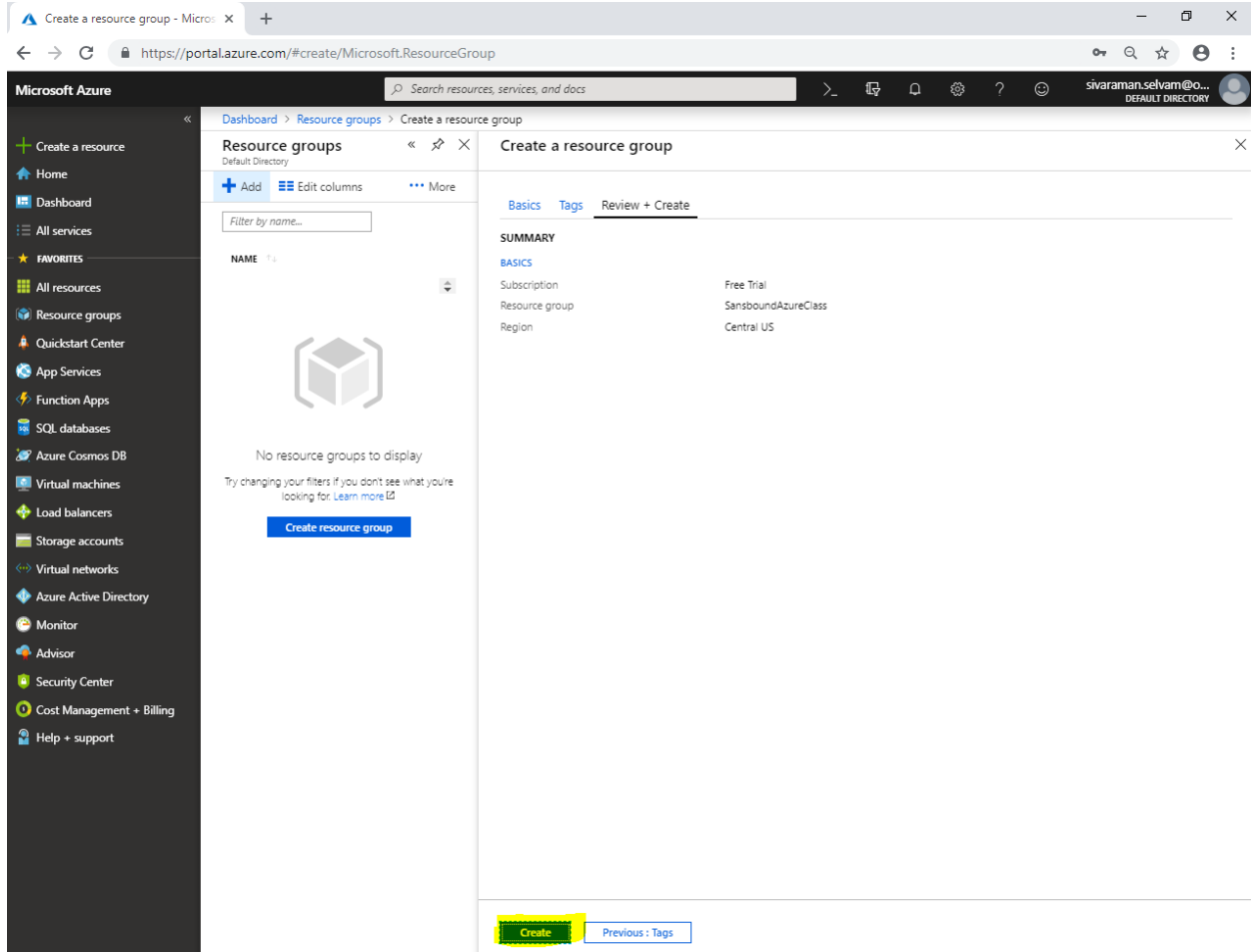
Resource group SansboundAzureClass

RESOURCE DETAILS

Region Central US

Review + Create Next: Tags

Click **“Create”**.



The screenshot shows the Microsoft Azure portal interface. On the left is a navigation sidebar with options like 'Create a resource', 'Home', 'Dashboard', 'All services', 'FAVORITES', 'All resources', 'Resource groups', 'Quickstart Center', 'App Services', 'Function Apps', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', 'Virtual networks', 'Azure Active Directory', 'Monitor', 'Advisor', 'Security Center', 'Cost Management + Billing', and 'Help + support'. The 'Resource groups' section is selected in the sidebar.

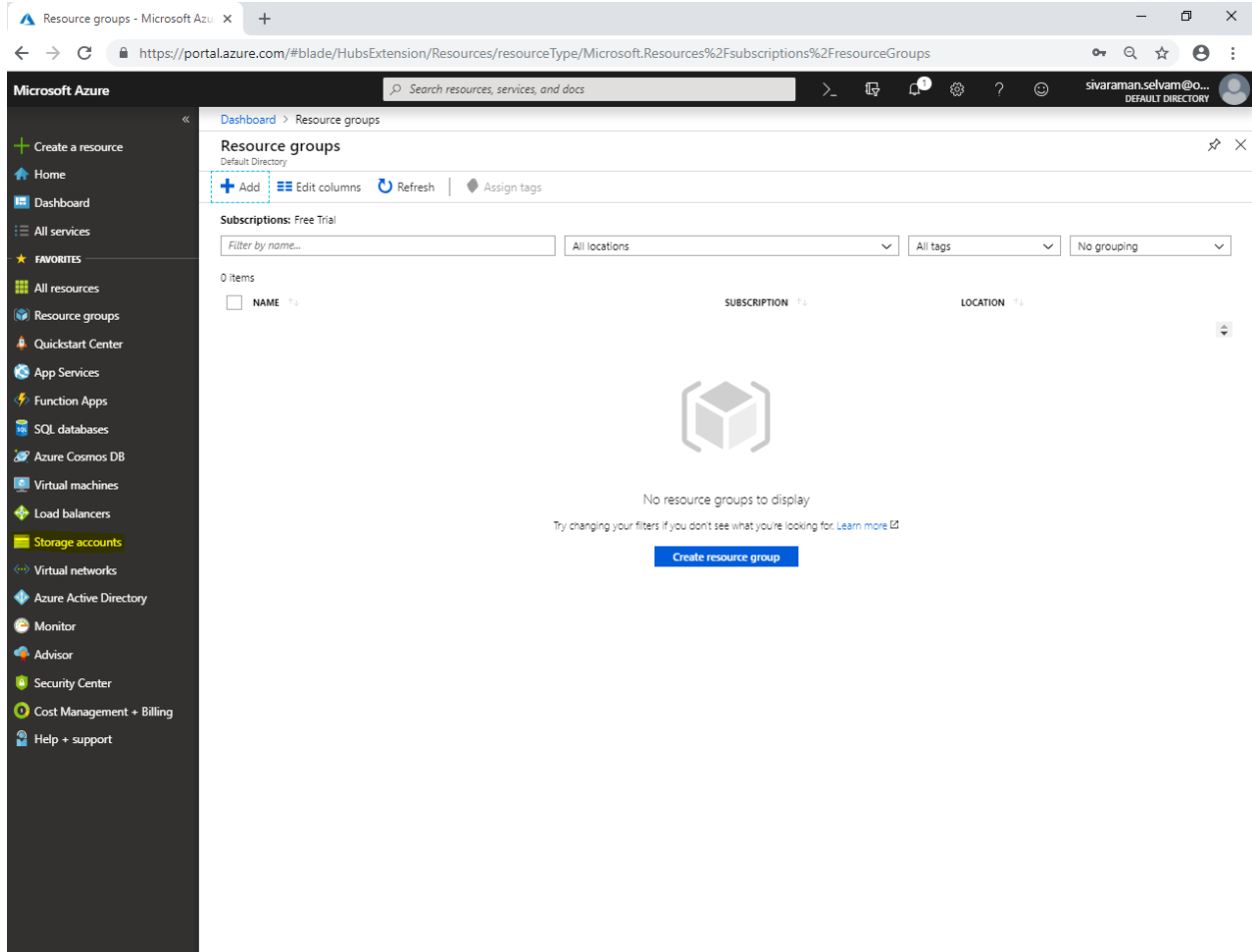
The main content area is titled 'Resource groups' and shows a list of resource groups. Below the list, it says 'No resource groups to display' and 'Try changing your filters if you don't see what you're looking for. [Learn more](#) ID'. A blue button labeled 'Create resource group' is visible.

On the right, the 'Create a resource group' wizard is open. It has tabs for 'Basics', 'Tags', and 'Review + Create'. The 'Basics' tab is selected, showing a 'SUMMARY' section with the following details:

SUMMARY	
Subscription	Free Trial
Resource group	SansboundAzureClass
Region	Central US

At the bottom of the wizard, there is a green 'Create' button and a 'Previous : Tags' button.

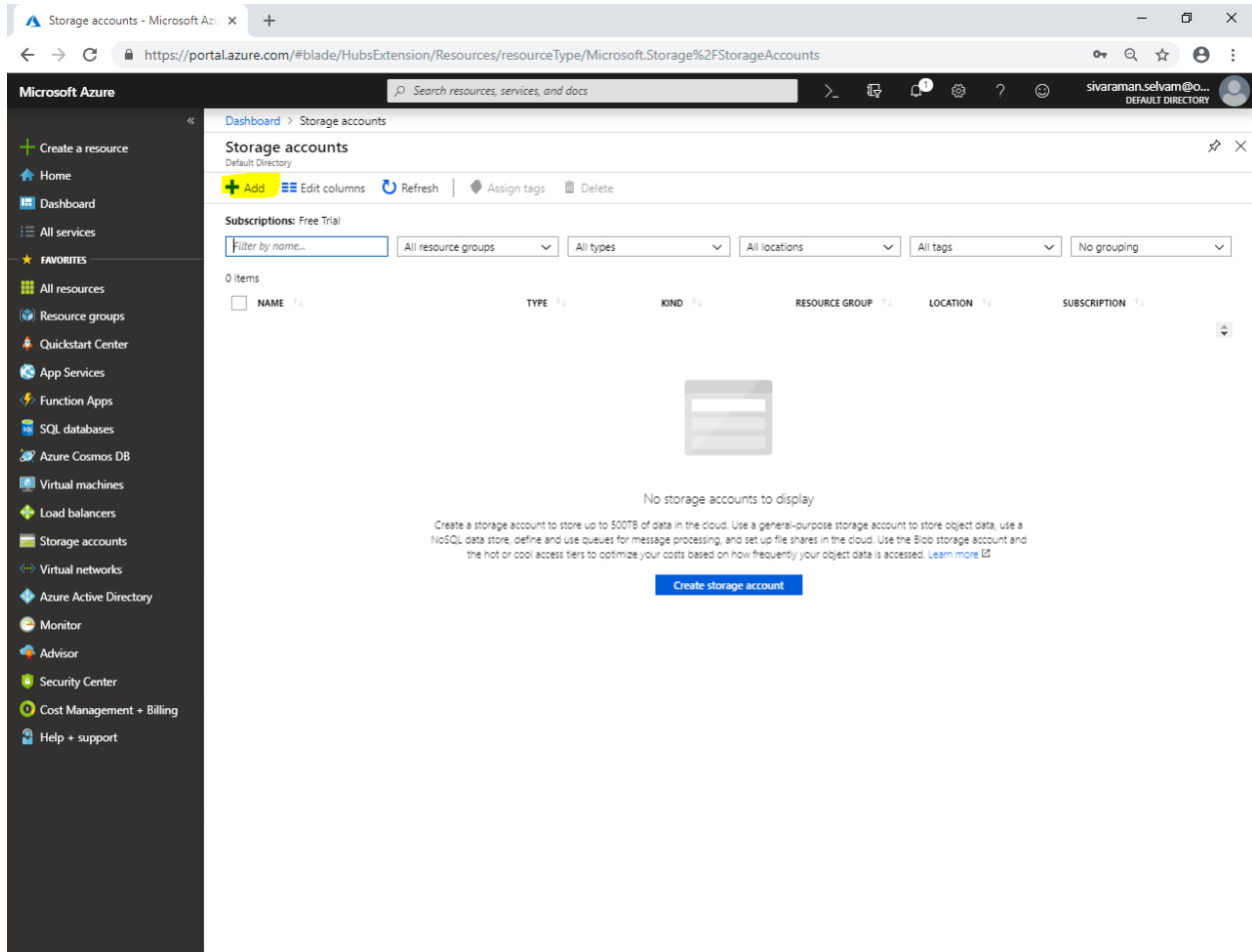
Click **“Storage accounts”**.



The screenshot shows the Microsoft Azure portal interface. The left-hand navigation pane is visible, with 'Storage accounts' highlighted in yellow. The main content area is titled 'Resource groups' and shows a list of resource groups. The filters at the top are set to 'Subscriptions: Free Trial', 'All locations', 'All tags', and 'No grouping'. Below the filters, it indicates '0 items' and displays a message: 'No resource groups to display'. A button labeled 'Create resource group' is visible at the bottom of the main area.

In “Storage accounts”,

Click “Add”.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for various services, including 'Storage accounts'. The main content area is titled 'Storage accounts' and shows a list of storage accounts. The list is currently empty, with a message stating 'No storage accounts to display'. Below this message, there is a brief explanation of storage accounts and a 'Create storage account' button.

Storage accounts - Microsoft Az... X

https://portal.azure.com/#blade/HubsExtension/Resources/resourceType/Microsoft.Storage%2FStorageAccounts

Microsoft Azure

Dashboard > Storage accounts

Storage accounts

Default Directory

+ Add Edit columns Refresh Assign tags Delete

Subscriptions: Free Trial

Filter by name... All resource groups All types All locations All tags No grouping

0 items

NAME	TYPE	KIND	RESOURCE GROUP	LOCATION	SUBSCRIPTION
------	------	------	----------------	----------	--------------

No storage accounts to display

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. [Learn more](#)

Create storage account

Select “**Access tier**” as “**Hot**”.

Create storage account - Microsoft Azure

→ → ↺ https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

Search resources, services, and docs

sivaraman.selvam@o...
DEFAULT DIRECTORY

Create a resource

Home

Dashboard

All services

FAVORITES

All resources

Resource groups

Quickstart Center

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billing

Help + support

Dashboard > Storage accounts > Create storage account

Storage accounts
Default Directory

+ Add Edit columns More

Filter by name...

NONE

No storage accounts to display

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Create storage account

Create storage account

Basics Advanced Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription Free Trial

* Resource group SanboundAzureClass
[Create new](#)

INSTANCE DETAILS

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

* Storage account name sanboundstorage

* Location Central US

Performance Standard Premium

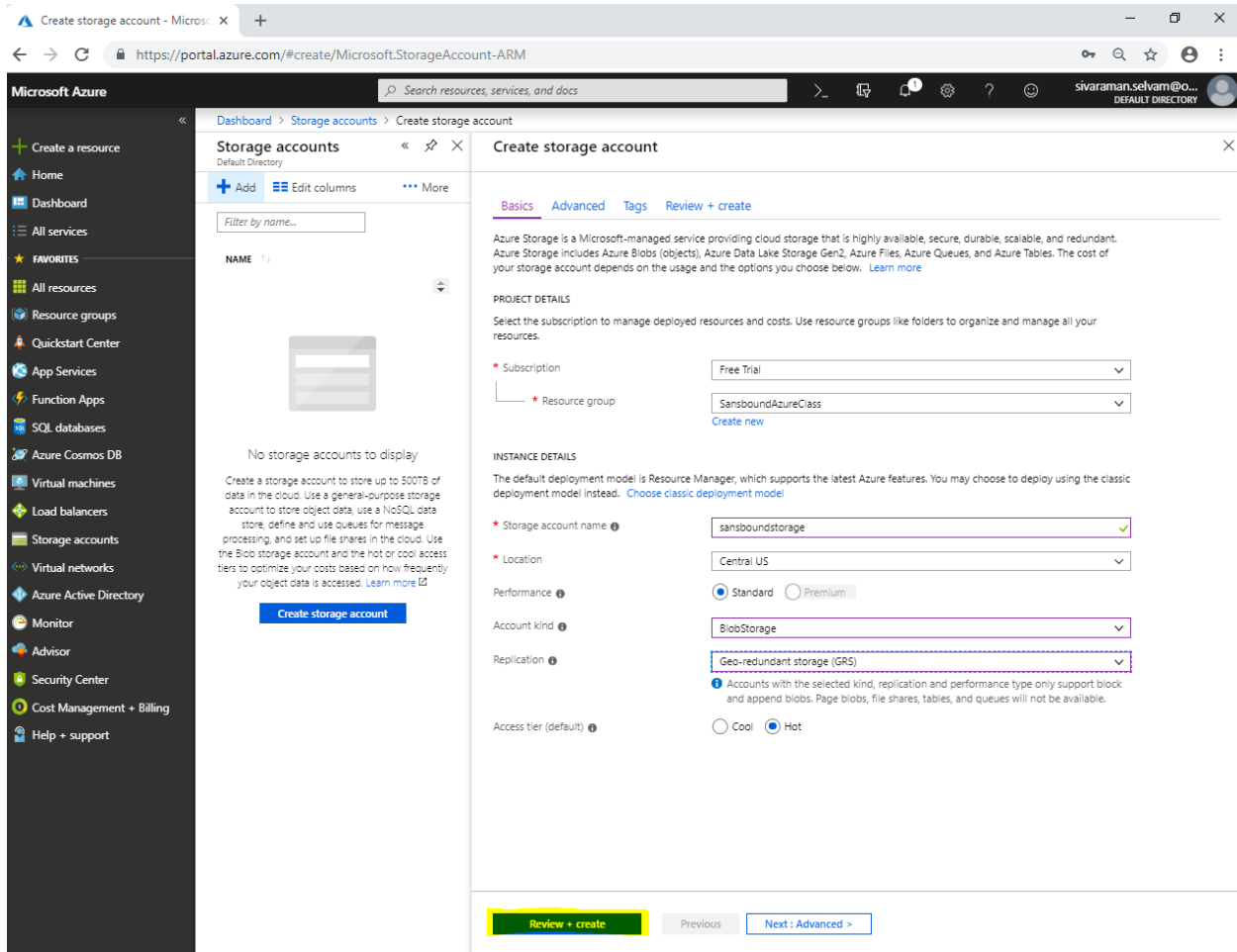
Account kind BlobStorage

Replication Geo-redundant storage (GRS)
i Accounts with the selected kind, replication and performance type only support blob and append blobs. Page blobs, file shares, tables, and queues will not be available.

Access tier (default) Cool Hot

Review + create Previous Next : Advanced >

Click **“Review + create”**.



Create storage account - Microsoft

https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

Microsoft Azure

Dashboard > Storage accounts > Create storage account

Storage accounts

Filter by name...

NAME

No storage accounts to display

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. [Learn more](#)

Create storage account

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Basics Advanced Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

PROJECT DETAILS

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Create new

INSTANCE DETAILS

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

* Storage account name sansboundstorage

* Location Central US

Performance Standard Premium

Account kind BlobStorage

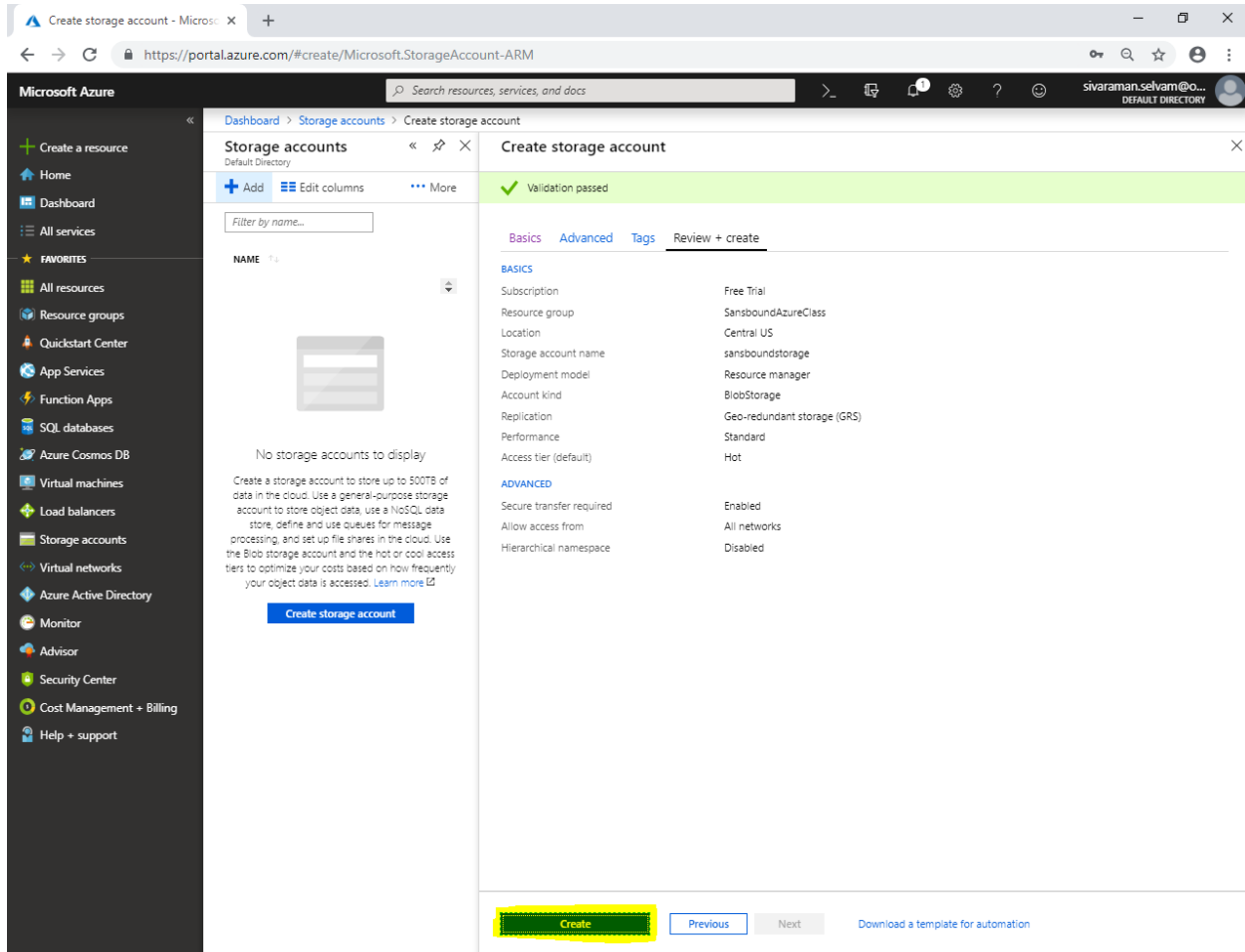
Replication Geo-redundant storage (GRS)

Accounts with the selected kind, replication and performance type only support block and append blobs. Page blobs, file shares, tables, and queues will not be available.

Access tier (default) Cool Hot

Review + create Previous Next: Advanced >

Click **“Create”**.

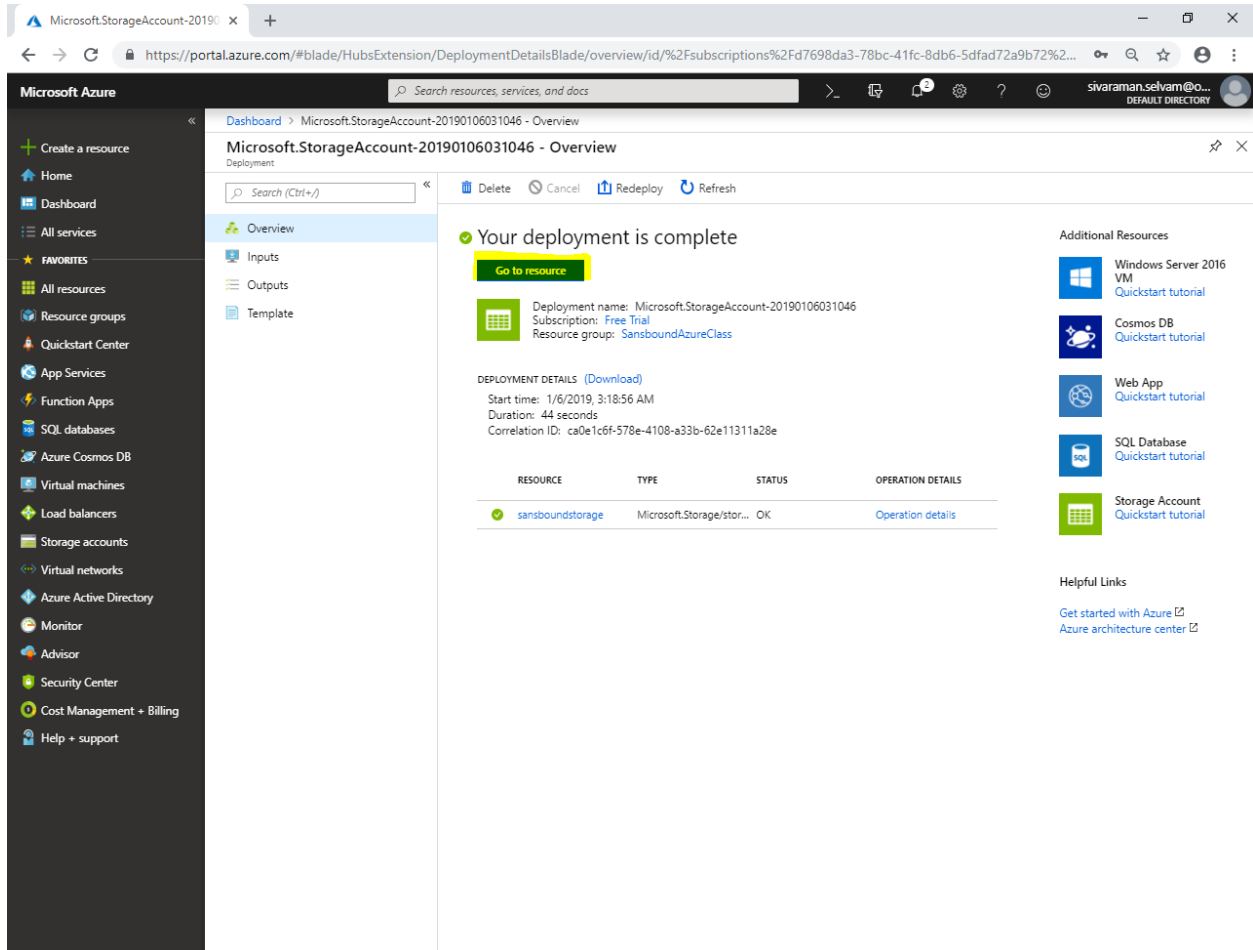


The screenshot shows the Microsoft Azure portal interface for creating a storage account. The left sidebar contains navigation links for various Azure services. The main content area is titled 'Create storage account' and shows a 'Validation passed' status. The 'Basics' tab is active, displaying the following configuration details:

Property	Value
Subscription	Free Trial
Resource group	SansboundAzureClass
Location	Central US
Storage account name	sansboundstorage
Deployment model	Resource manager
Account kind	BlobStorage
Replication	Geo-redundant storage (GRS)
Performance	Standard
Access tier (default)	Hot
Secure transfer required	Enabled
Allow access from	All networks
Hierarchical namespace	Disabled

The 'Create' button at the bottom is highlighted with a yellow box. Other buttons visible include 'Previous', 'Next', and 'Download a template for automation'.

Click **“Go to resource”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area displays the 'Overview' page for the deployment 'Microsoft.StorageAccount-20190106031046'. The deployment status is 'Your deployment is complete', and the 'Go to resource' button is highlighted in yellow. Below this, deployment details are shown, including start time, duration, and correlation ID. A table lists the resource 'sansboundstorage' with type 'Microsoft.Storage/stor...' and status 'OK'. On the right, there are 'Additional Resources' and 'Helpful Links'.

Microsoft Azure Search resources, services, and docs

Dashboard > Microsoft.StorageAccount-20190106031046 - Overview

Microsoft.StorageAccount-20190106031046 - Overview

Deployment

Search (Ctrl+J)

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

[Go to resource](#)

Deployment name: Microsoft.StorageAccount-20190106031046
Subscription: [Free Trial](#)
Resource group: [SansboundAzureClass](#)

DEPLOYMENT DETAILS [\(Download\)](#)
Start time: 1/6/2019, 3:18:56 AM
Duration: 44 seconds
Correlation ID: ca0e1c6f-578e-4108-a33b-62e11311a28e

RESOURCE	TYPE	STATUS	OPERATION DETAILS
sansboundstorage	Microsoft.Storage/stor...	OK	Operation details

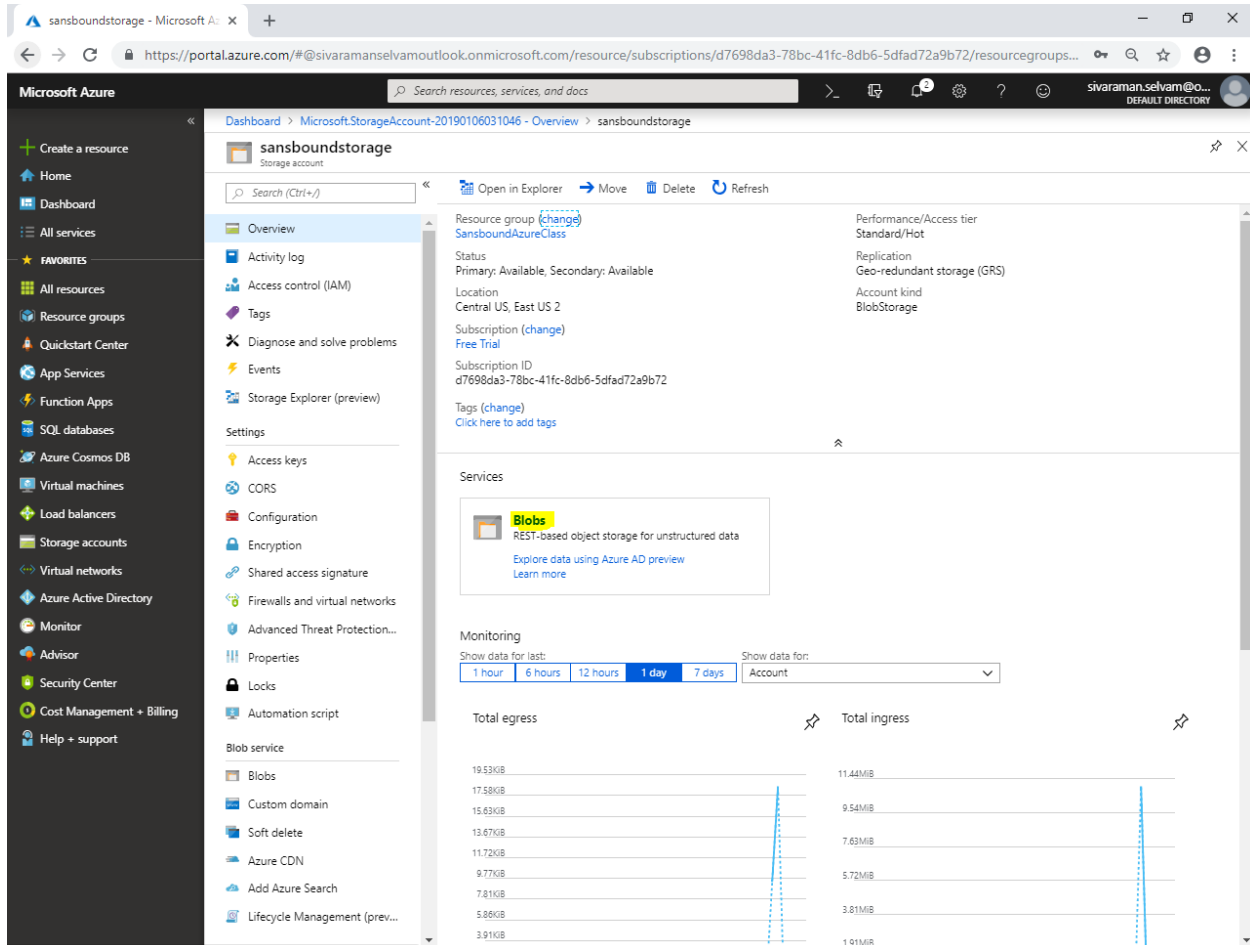
Additional Resources

- [Windows Server 2016 VM Quickstart tutorial](#)
- [Cosmos DB Quickstart tutorial](#)
- [Web App Quickstart tutorial](#)
- [SQL Database Quickstart tutorial](#)
- [Storage Account Quickstart tutorial](#)

Helpful Links

- [Get started with Azure](#)
- [Azure architecture center](#)

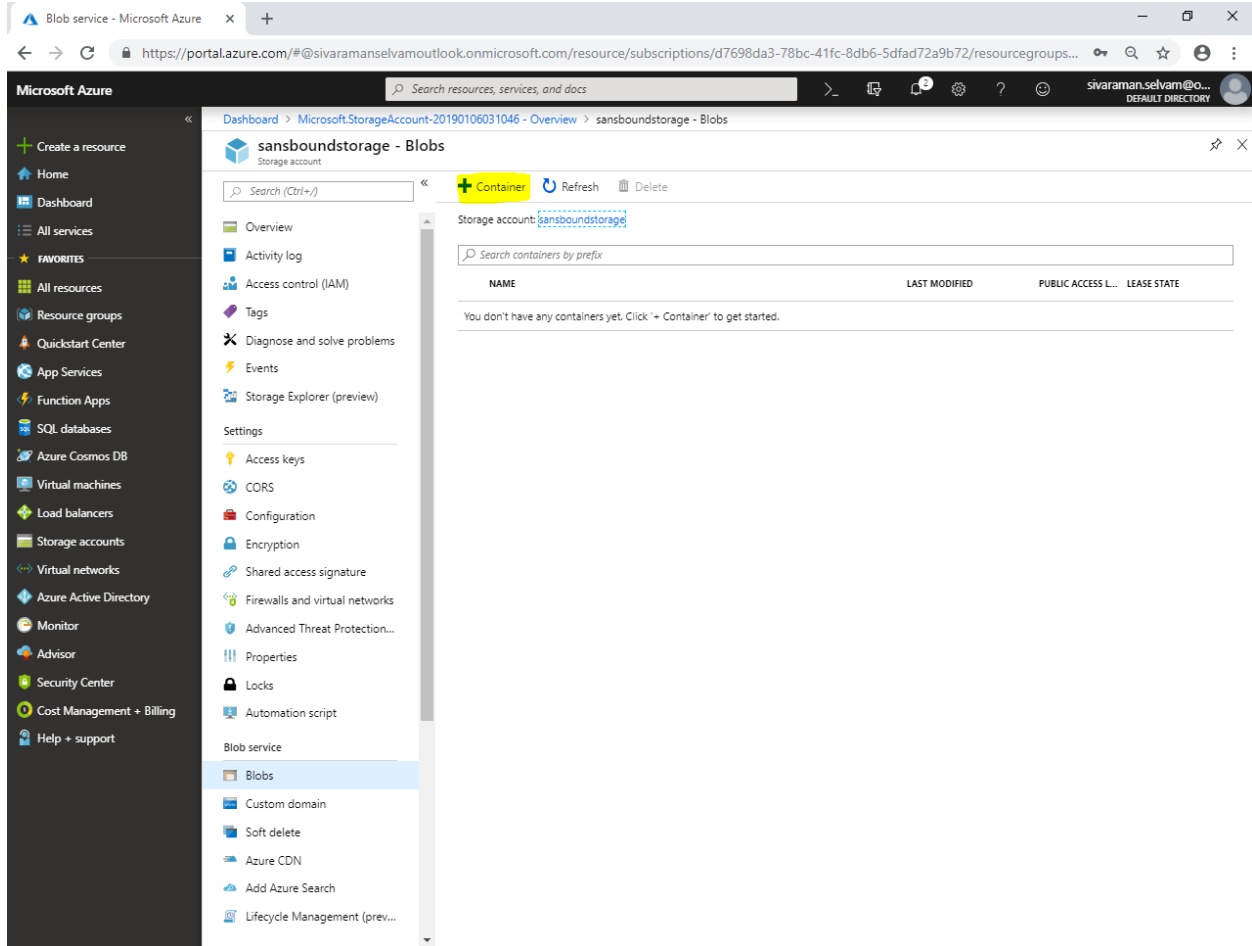
Click **"Blobs"**.



The screenshot displays the Microsoft Azure portal interface for a storage account named 'sansboundstorage'. The left-hand navigation pane shows the 'Blobs' service selected under the 'Blob service' category. The main content area provides an overview of the storage account, including its resource group, status, location, and subscription details. Below the overview, there are sections for 'Services' (highlighting 'Blobs'), 'Monitoring' (showing total egress and ingress data), and a list of blobs with their respective sizes.

Monitoring	
Total egress	Total ingress
19.53GB	11.44MiB
17.58GB	9.54MiB
15.63GB	7.63MiB
13.67GB	5.72MiB
11.72GB	3.81MiB
9.77GB	1.91MiB
7.81GB	
5.86GB	
3.91GB	

Click **“Container”** to create container.

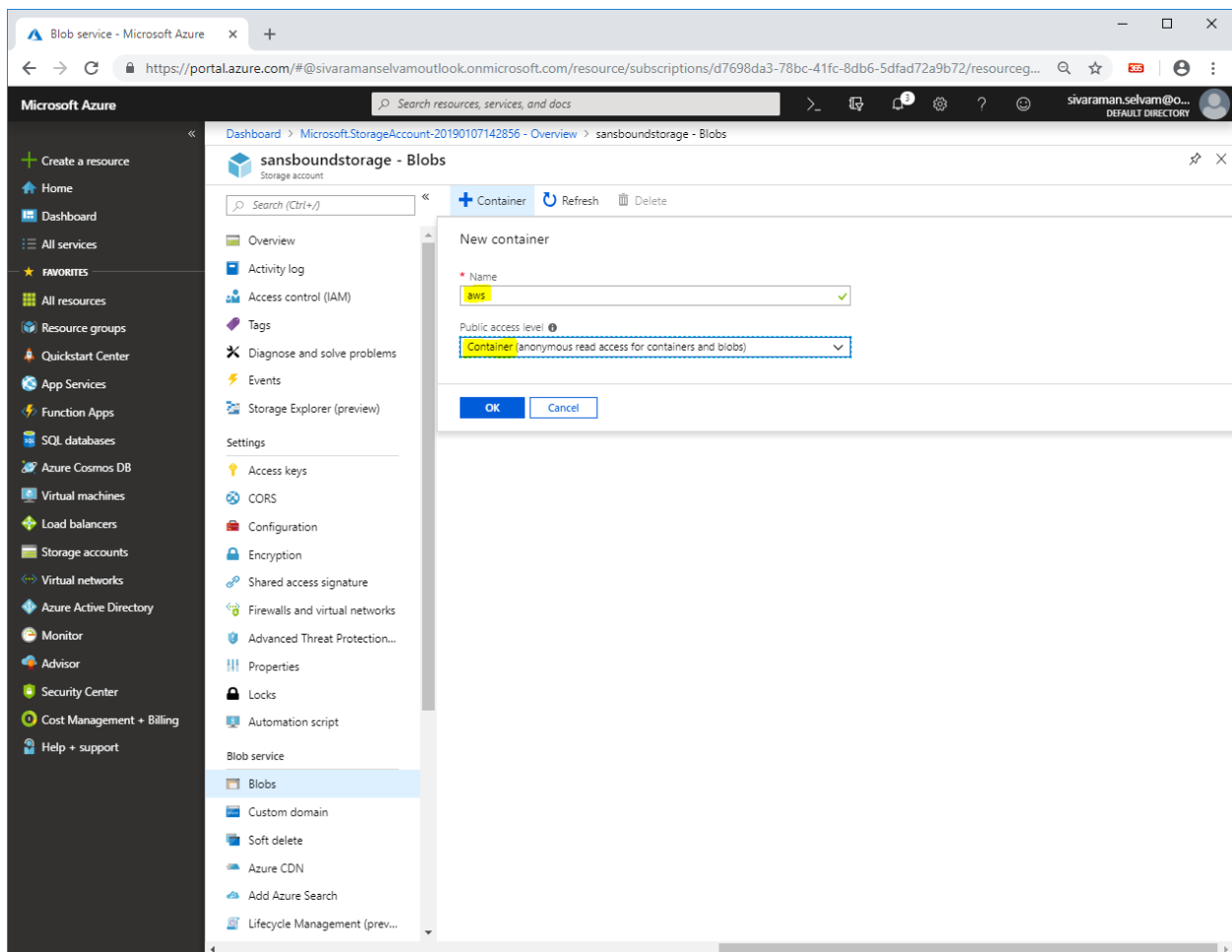


The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area displays the 'sansboundstorage - Blobs' page. At the top of this page, there is a search bar and a '+ Container' button, which is highlighted in yellow. Below this, there is a 'Storage account: sansboundstorage' section with a search bar for containers. A table with columns 'NAME', 'LAST MODIFIED', 'PUBLIC ACCESS L...', and 'LEASE STATE' is shown, but it is empty with the message 'You don't have any containers yet. Click '+ Container' to get started.'

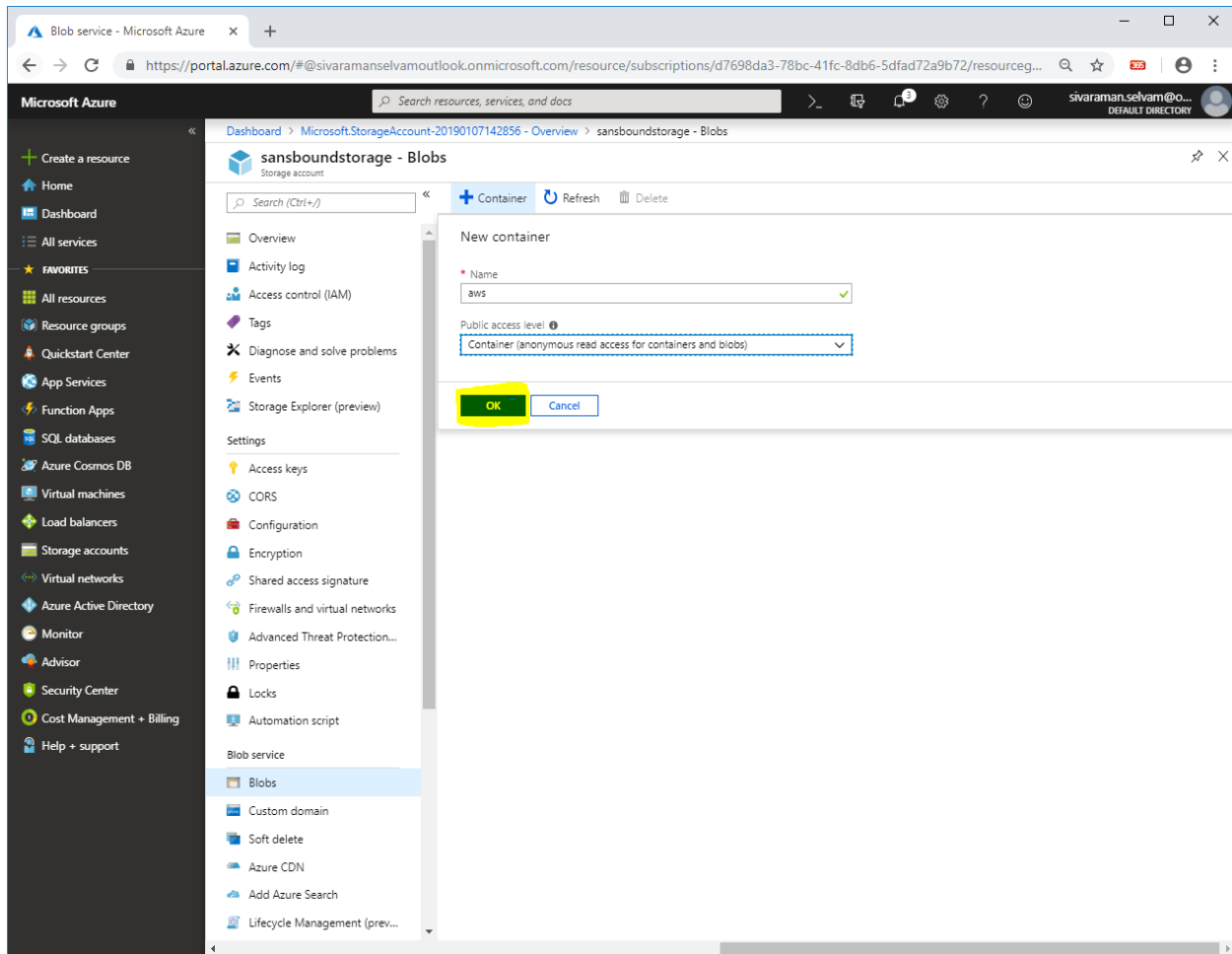
While create a container,

Type **"Name"** as **"aws"**.

Select **"Public access level"** as **"Container"**.

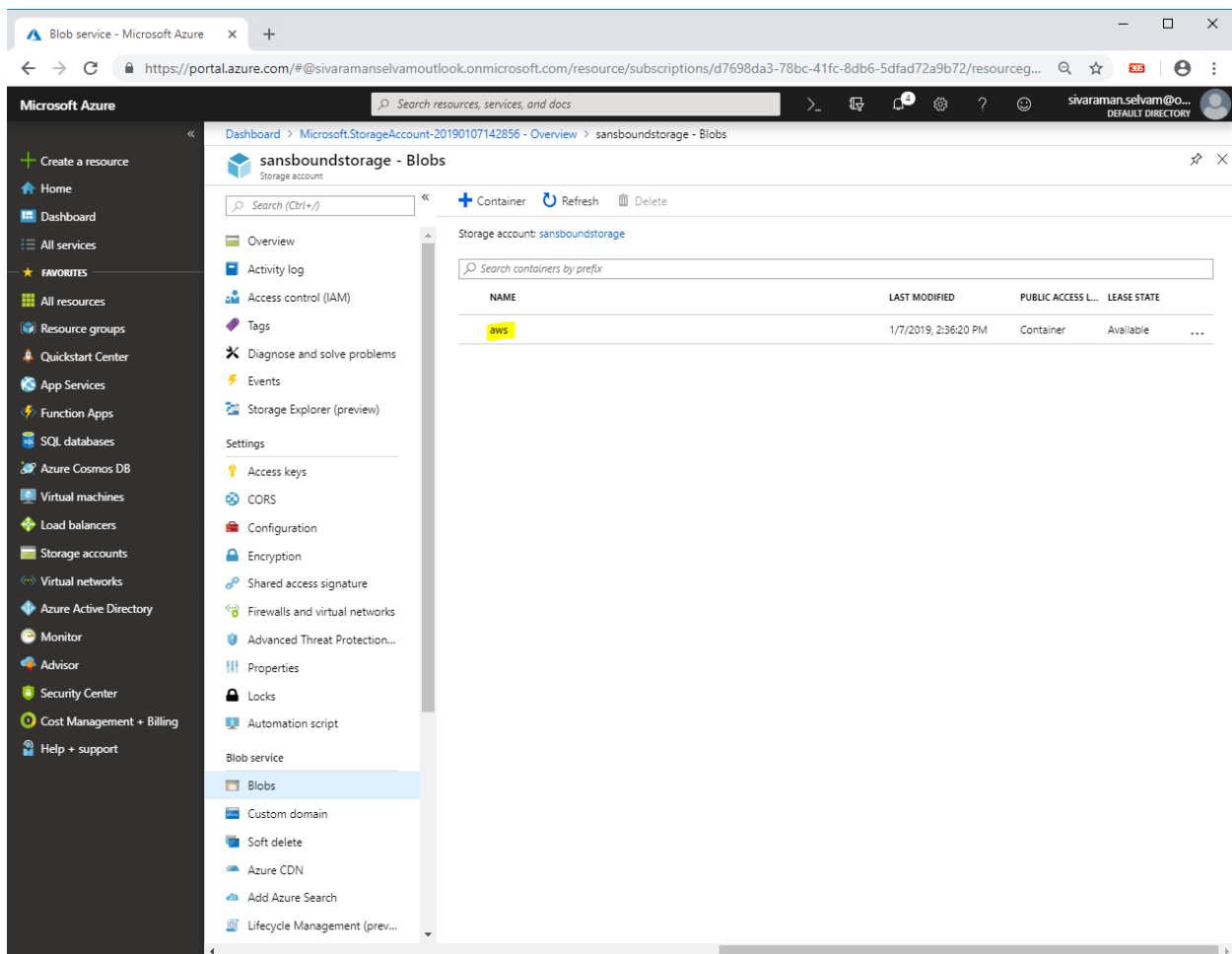


Click **“Ok”**.



You are able to see that container named **“aws”** has been created successfully.

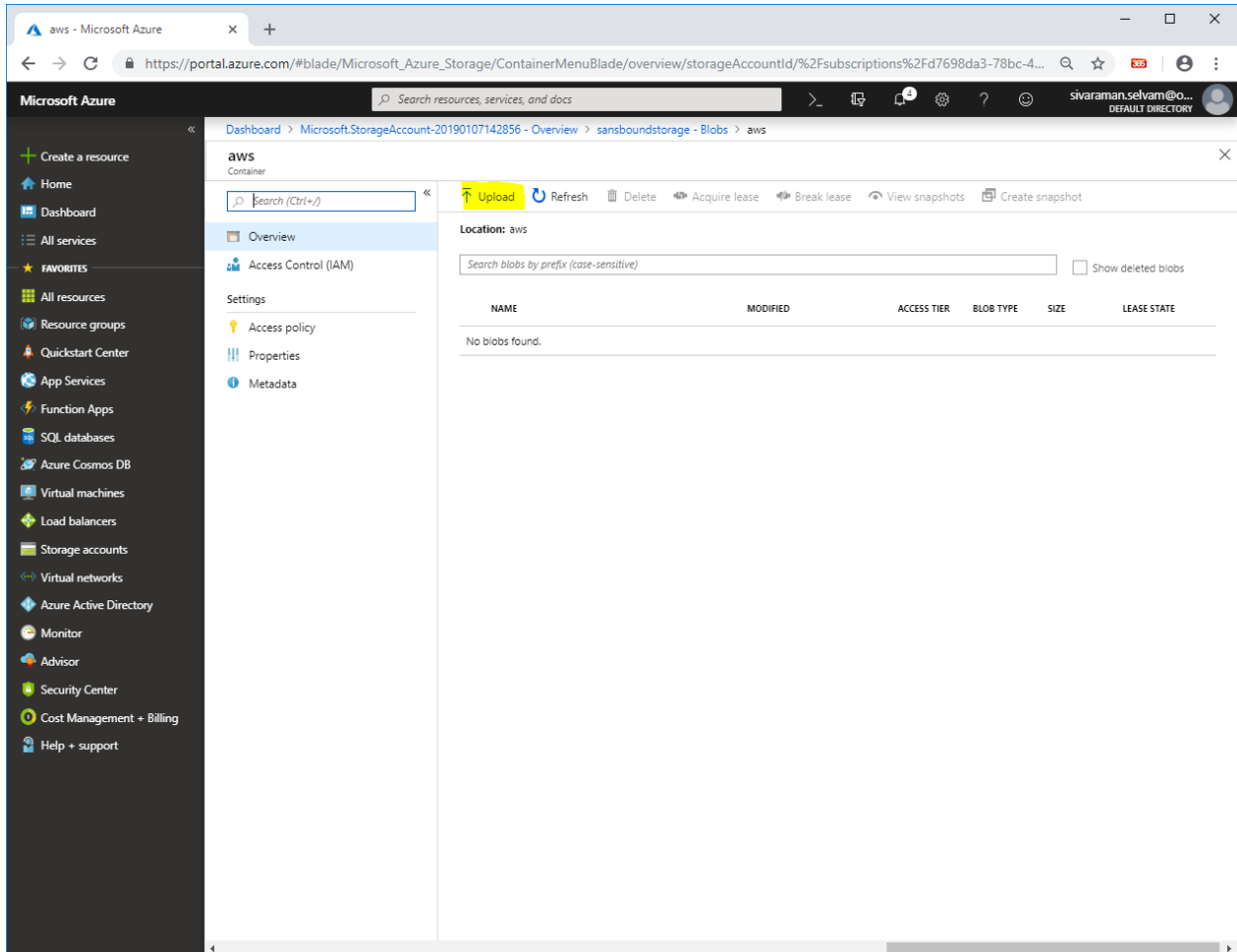
Click **“aws”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains the navigation menu with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area displays the 'sansboundstorage - Blobs' page. The page title is 'sansboundstorage - Blobs' and the storage account is 'sansboundstorage'. The 'Blobs' section shows a table of containers. The table has columns: NAME, LAST MODIFIED, PUBLIC ACCESS L..., and LEASE STATE. A single container named 'aws' is listed with a last modified date of 1/7/2019, 2:36:20 PM, and a lease state of 'Available'.

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
aws	1/7/2019, 2:36:20 PM	Container	Available

Click **“Upload”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area displays the 'aws' container within the 'sansboundstorage' storage account. The 'Overview' tab is selected, showing a search bar and a table of blobs. The 'Upload' button is highlighted in yellow.

Dashboard > Microsoft.StorageAccount-20190107142856 - Overview > sansboundstorage - Blobs > aws

aws
Container

Search (Ctrl+/)

Overview

Access Control (IAM)

Settings

Access policy

Properties

Metadata

Upload Refresh Delete Acquire lease Break lease View snapshots Create snapshot

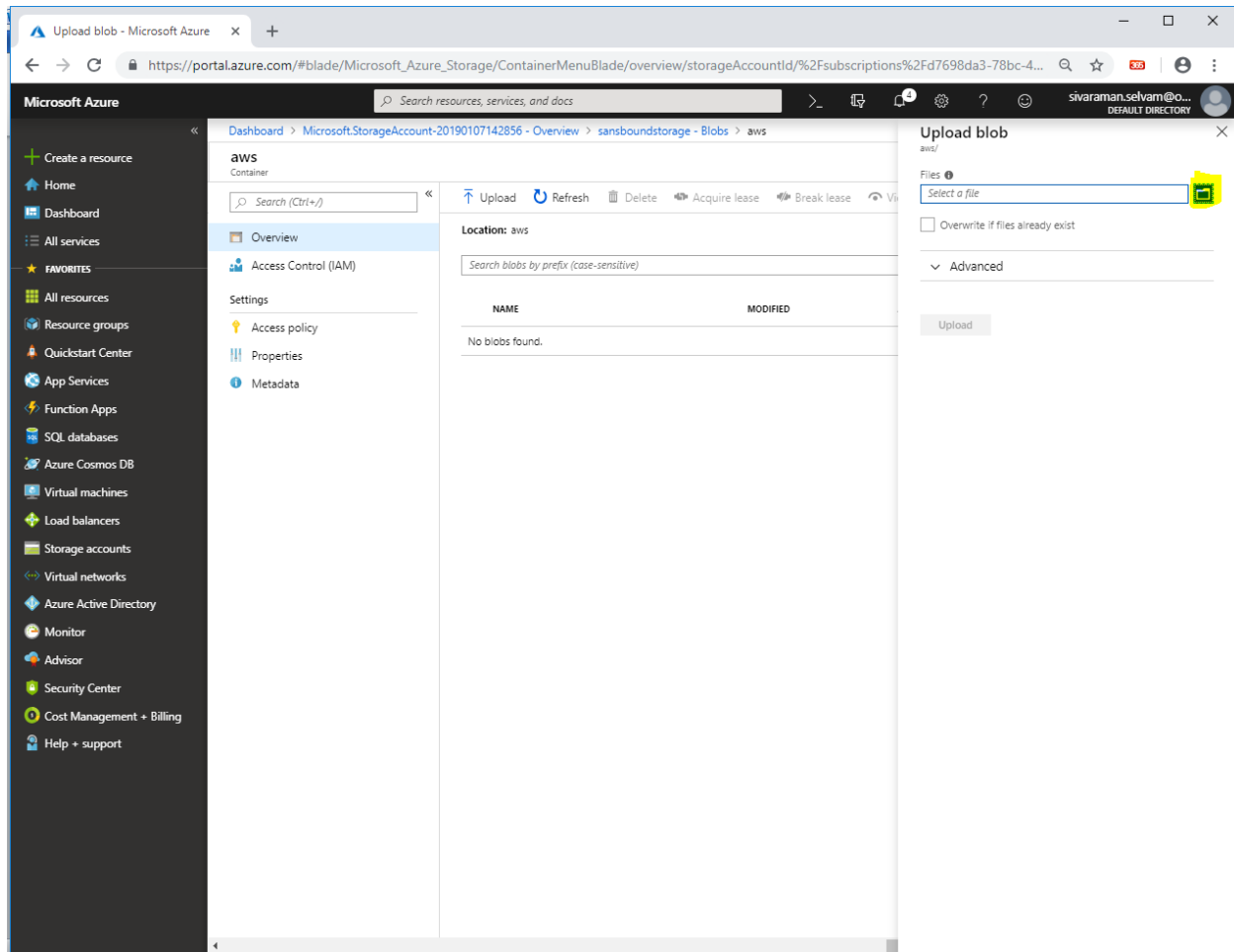
Location: aws

Search blobs by prefix (case-sensitive) ☐ Show deleted blobs

NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
No blobs found.					

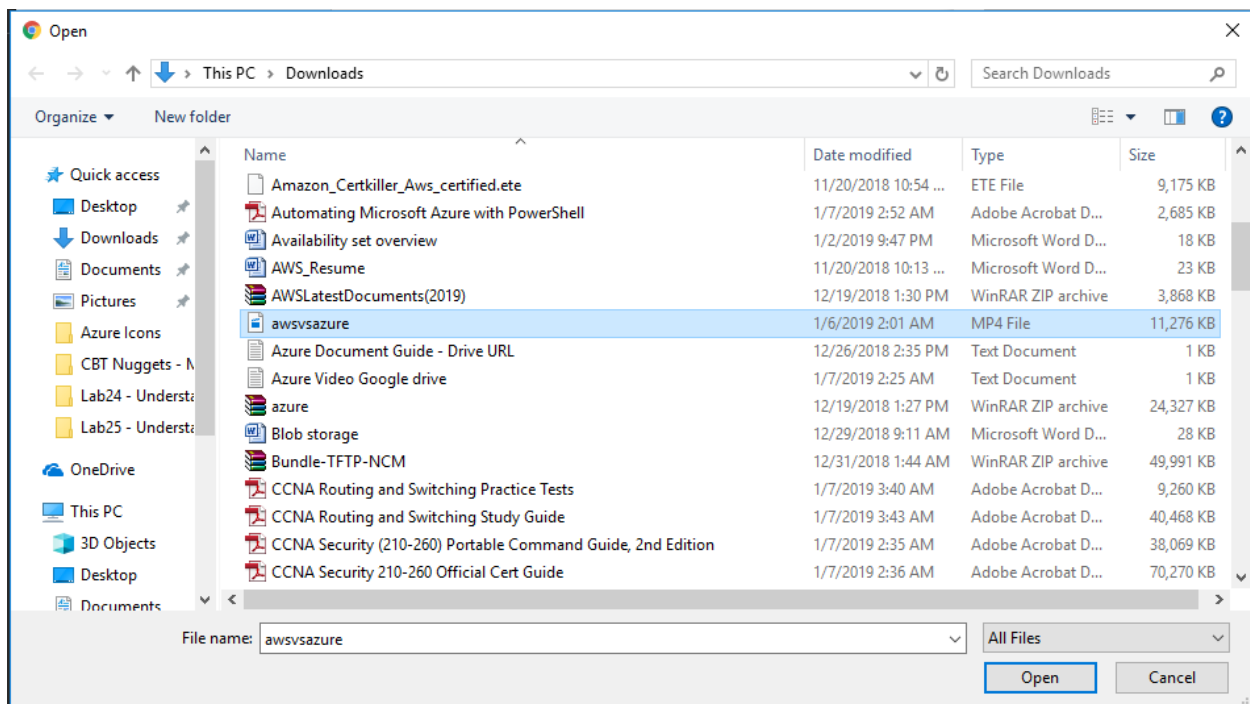
In “Upload blob”,

Click “Icon”.

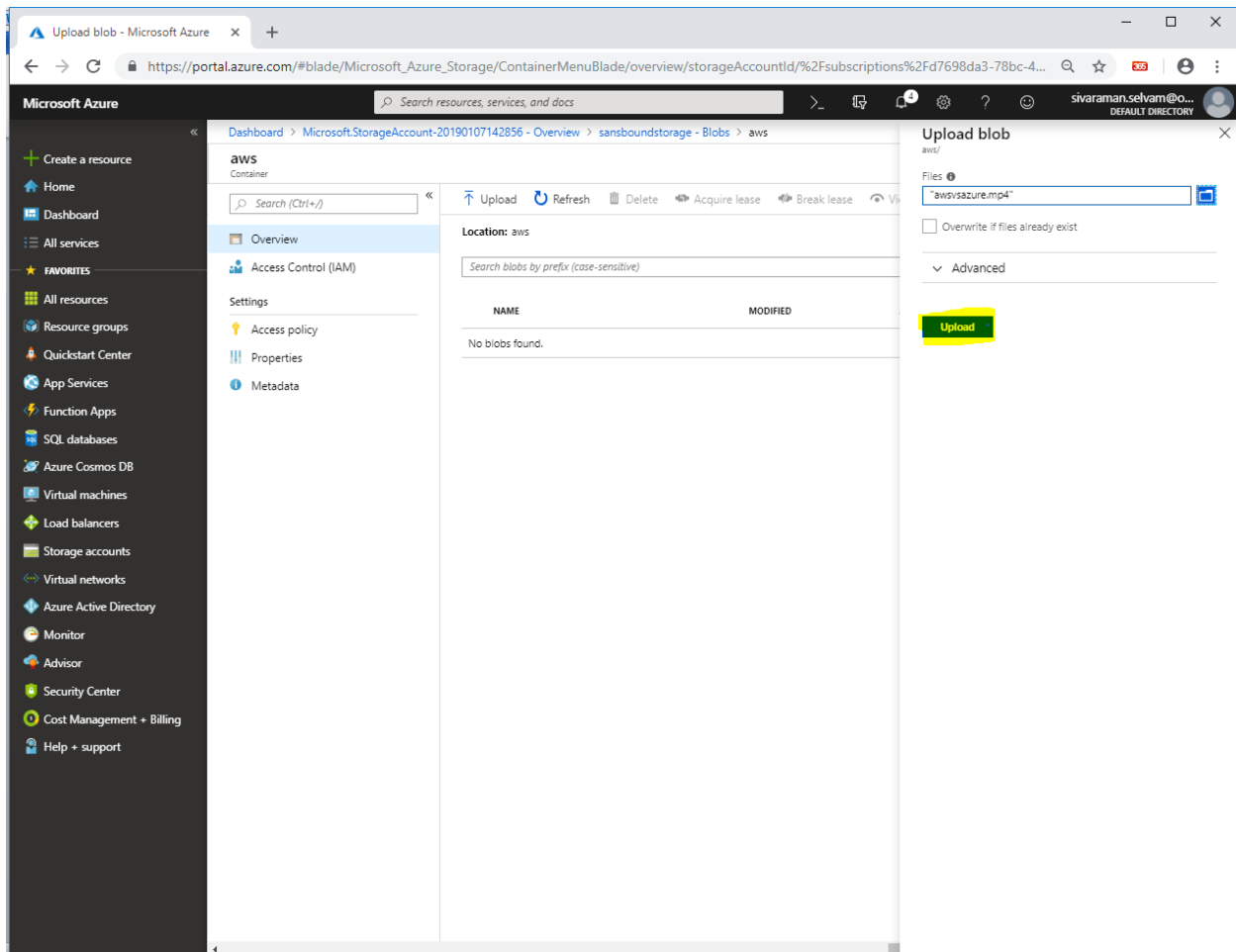


Browse and locate the file which you have required to upload.

Select the file and click **“Open”**.

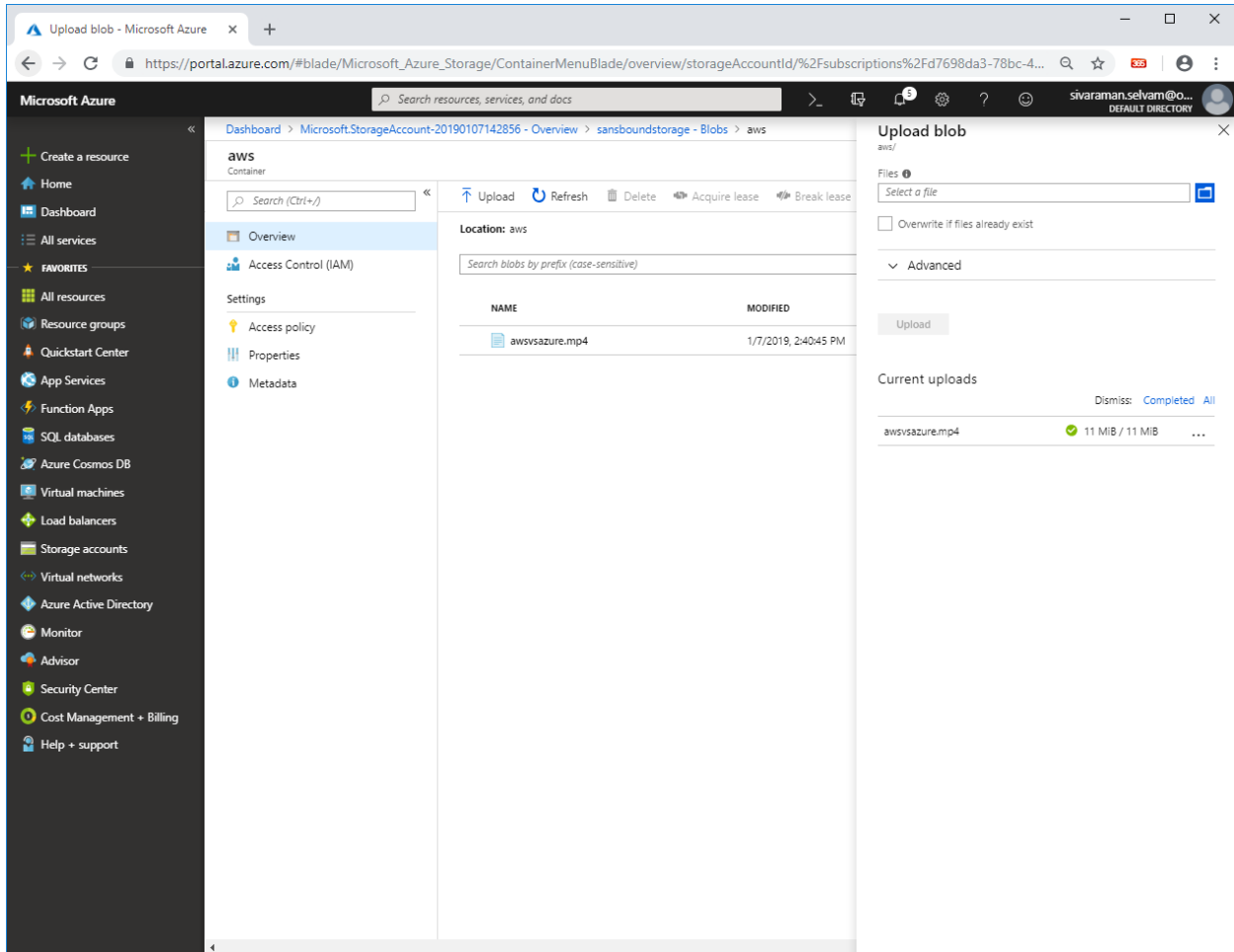


Click **“Upload”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area displays the 'aws' container overview, including a search bar, 'Upload', 'Refresh', 'Delete', 'Acquire lease', 'Break lease', and 'View' actions. A table with columns 'NAME' and 'MODIFIED' shows 'No blobs found.' The right-hand 'Upload blob' pane includes a file input field with 'aws/s4zure.mp4', an 'Overwrite if files already exist' checkbox, and an 'Advanced' dropdown. The 'Upload' button in this pane is highlighted with a yellow box.

You have successfully uploaded the awsvsazure.mp4 file in blob successfully.

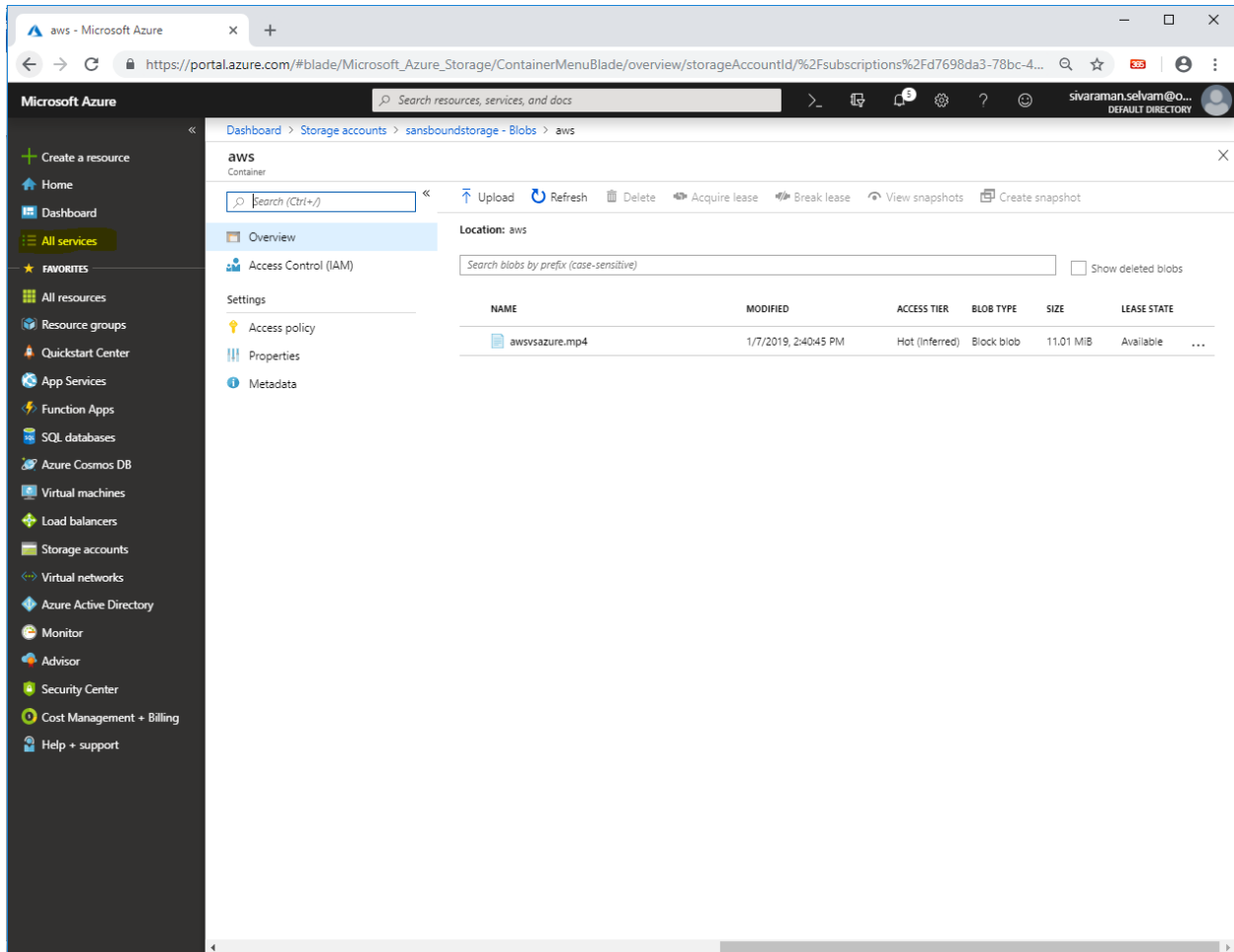


The screenshot displays the Microsoft Azure portal interface for uploading a blob. The left sidebar shows the navigation menu with options like 'Create a resource', 'Home', 'Dashboard', and 'All services'. The main content area is titled 'aws' and shows the 'Upload blob' interface. The 'Location' is set to 'aws'. A table lists the uploaded file:

NAME	MODIFIED
awsvsazure.mp4	1/7/2019, 2:40:45 PM

The right sidebar shows the 'Upload blob' panel with a 'Select a file' button, an 'Overwrite if files already exist' checkbox, and an 'Advanced' section. The 'Current uploads' section shows the file 'awsvsazure.mp4' with a status of 'Completed' and a size of '11 MiB / 11 MiB'.

Click **"All services"**.

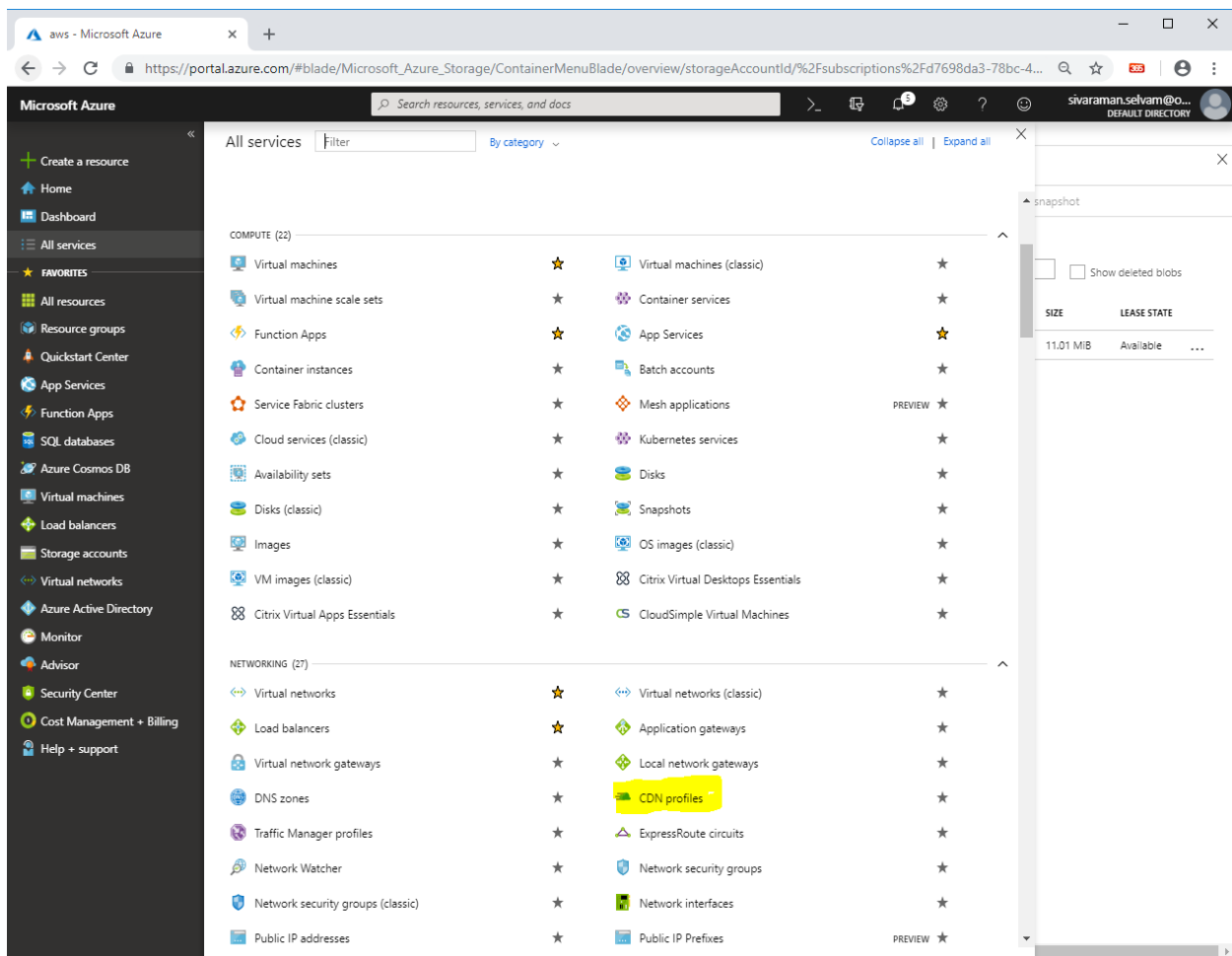


The screenshot shows the Microsoft Azure portal interface. The left sidebar contains the navigation menu with 'All services' highlighted. The main content area displays the 'aws' container overview. The breadcrumb trail at the top reads: Dashboard > Storage accounts > sansboundstorage - Blobs > aws. The 'aws' container is shown with a search bar and a list of blobs. The table below shows the details of the 'awsvsazure.mp4' blob.

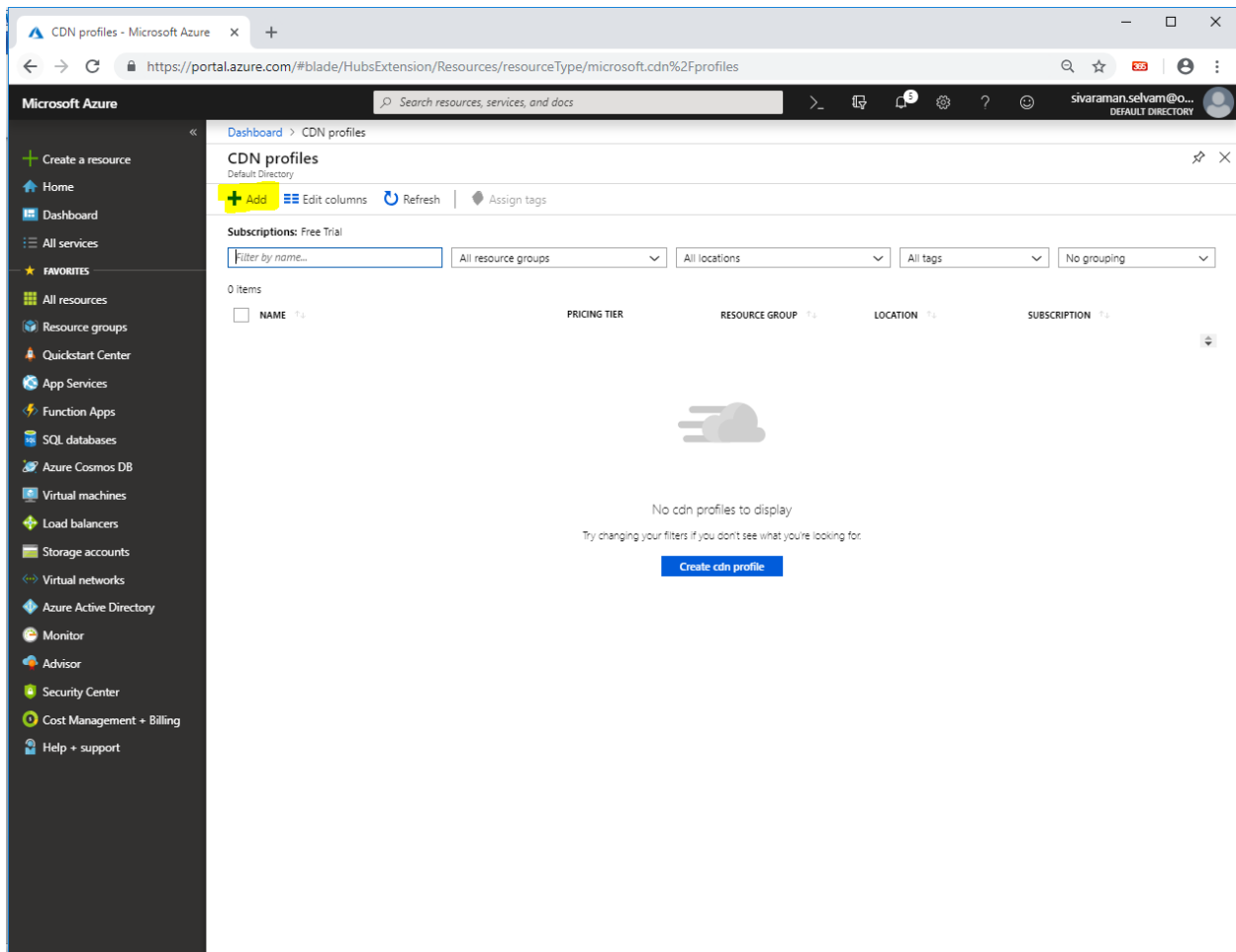
NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
awsvsazure.mp4	1/7/2019, 2:40:45 PM	Hot (Inferred)	Block blob	11.01 MiB	Available

In “All services”,

Click “CDN Profiles”.



Click **"Add"**.



The screenshot shows the Microsoft Azure portal interface. The browser address bar displays the URL: `https://portal.azure.com/#blade/HubsExtension/Resources/resourceType/microsoft.cdn%2Fprofiles`. The page title is "CDN profiles". Below the title, there are buttons for "Add", "Edit columns", "Refresh", and "Assign tags". The "Add" button is highlighted in yellow. Below these buttons, there are filter options: "Subscriptions: Free Trial", "Filter by name...", "All resource groups", "All locations", "All tags", and "No grouping". The main content area shows "0 items" and a table with columns: "NAME", "PRICING TIER", "RESOURCE GROUP", "LOCATION", and "SUBSCRIPTION". The table is empty, and a message states "No cdn profiles to display". Below this message, it says "Try changing your filters if you don't see what you're looking for" and there is a blue button labeled "Create cdn profile". The left sidebar contains the navigation menu with "Add" highlighted.

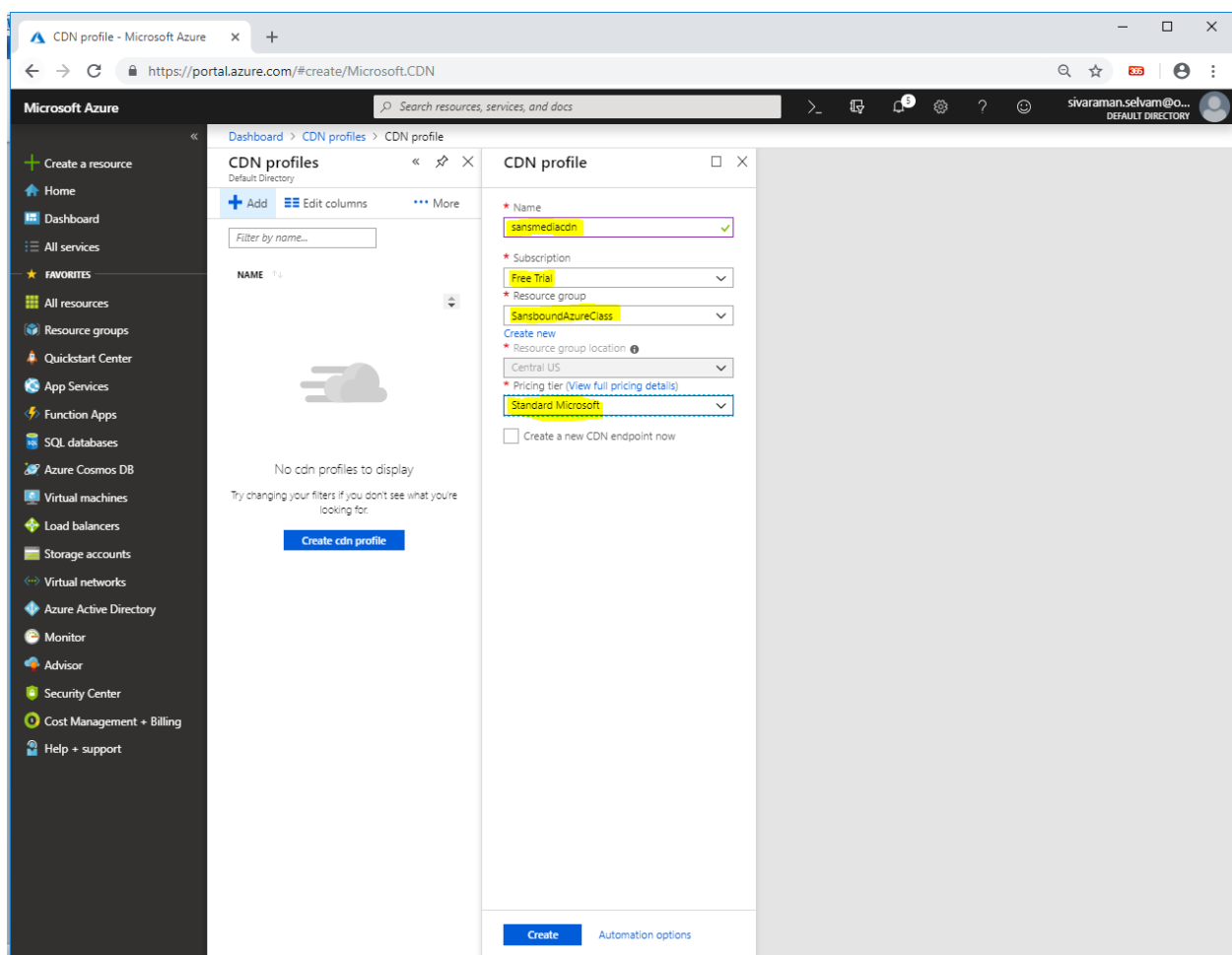
In “CDN Profile”,

Type “Name” as “**sansmediacd**n”.

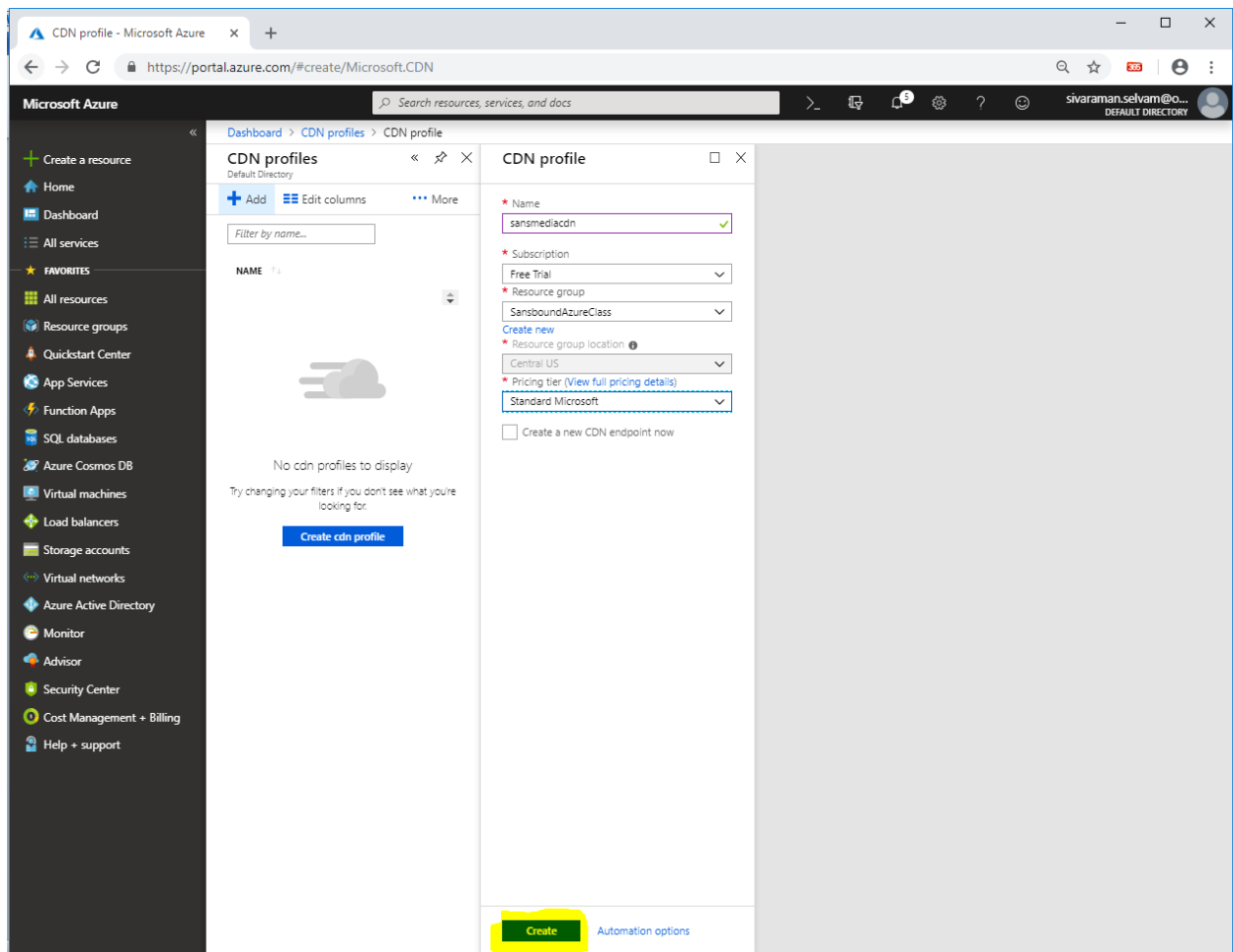
Select “Subscription” as “**Free Trial**”.

Select “Resource group” as “**SansboundAzureClass**”.

Select “Pricing tier” as “**Standard Microsoft**”.

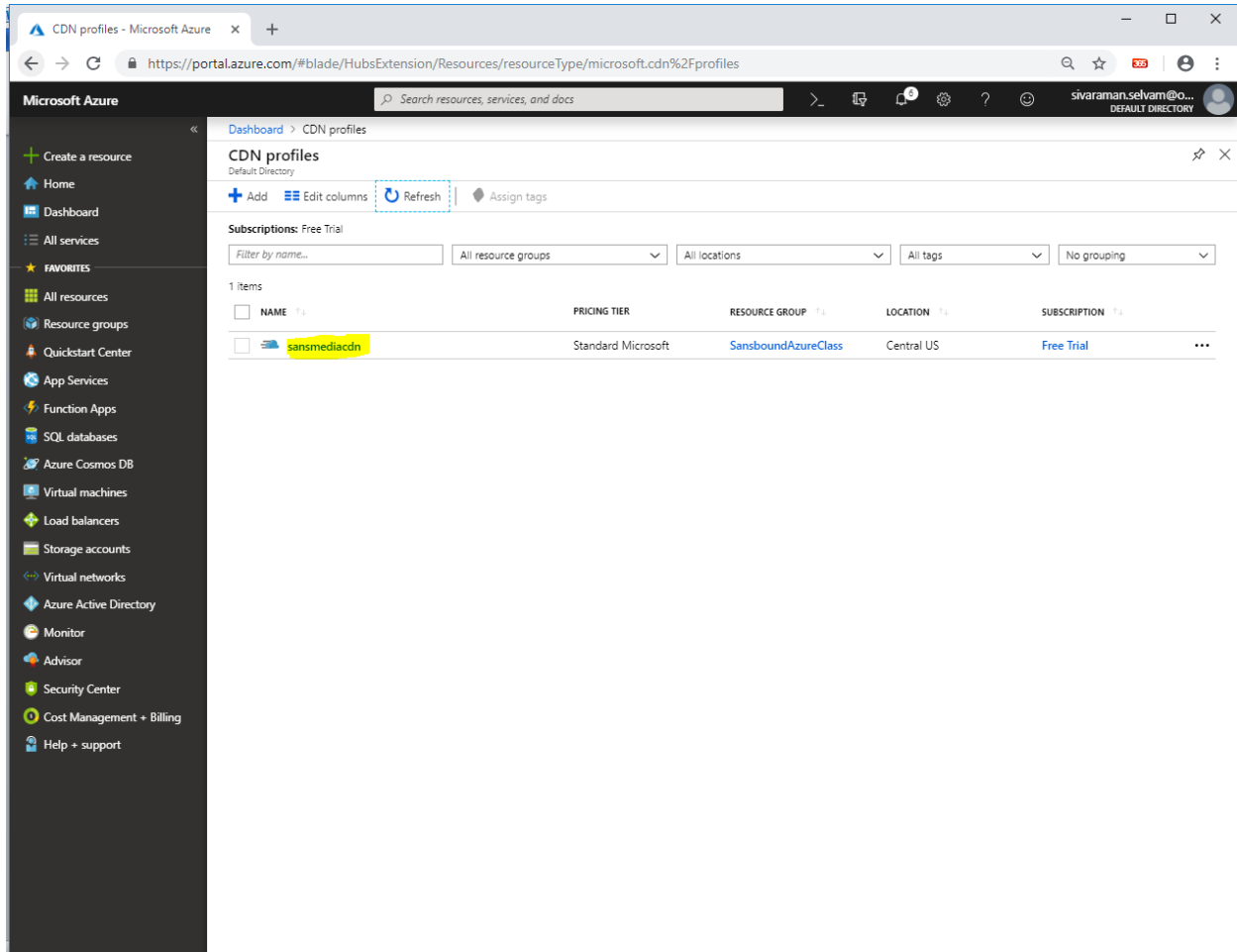


Click **"Create"**.



In “CDN profiles”,

Click “**sansmediacd**n”.



CDN profiles - Microsoft Azure

https://portal.azure.com/#blade/HubsExtension/Resources/resourceType/microsoft.cdn%2Fprofiles

Microsoft Azure

Dashboard > CDN profiles

CDN profiles

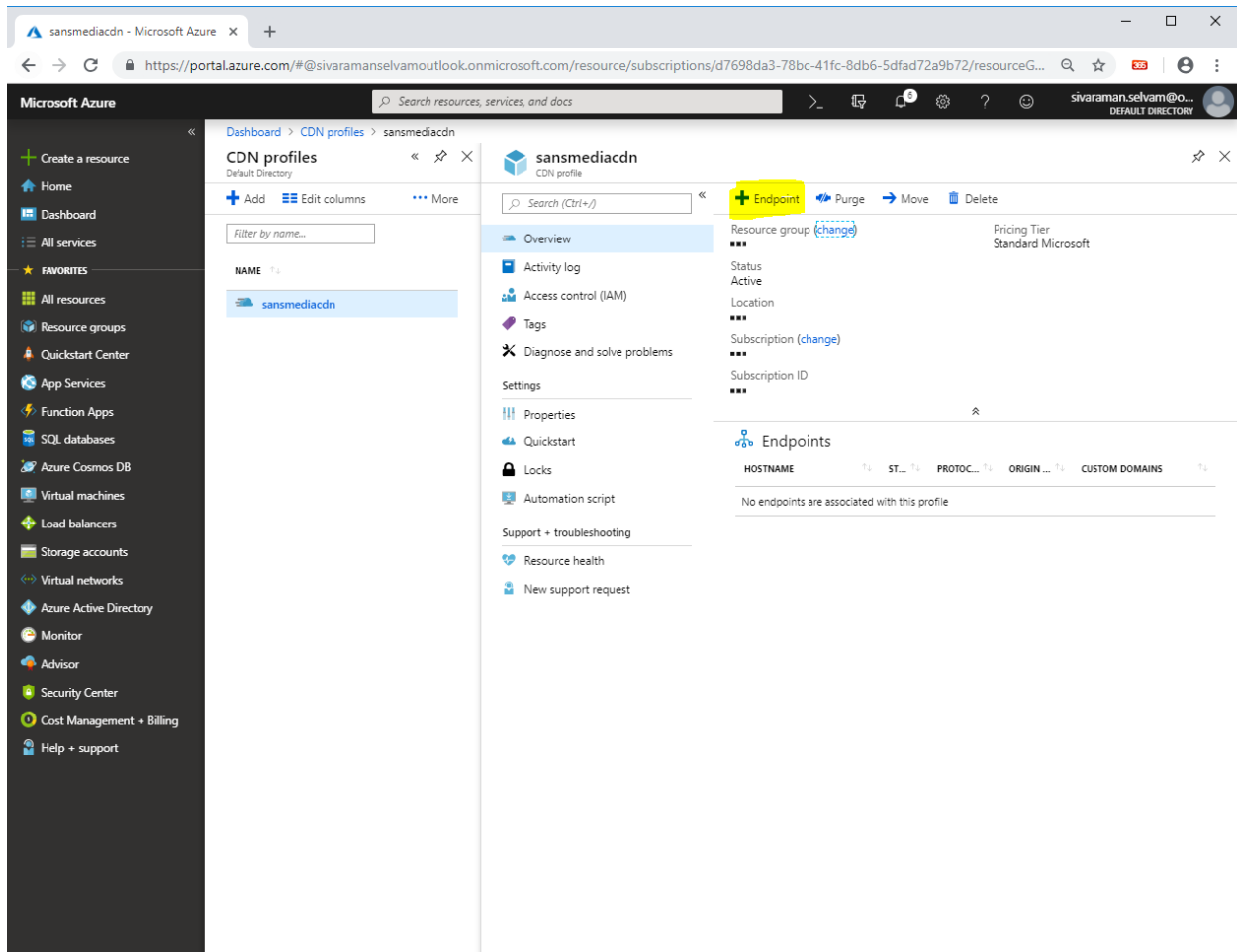
Subscriptions: Free Trial

Filter by name... All resource groups All locations All tags No grouping

1 items

<input type="checkbox"/>	NAME	PRICING TIER	RESOURCE GROUP	LOCATION	SUBSCRIPTION
<input type="checkbox"/>	sansmediacd	Standard Microsoft	SansboundAzureClass	Central US	Free Trial

Click **“Endpoint”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains the navigation menu with options like 'Create a resource', 'Home', 'Dashboard', 'All services', 'FAVORITES', 'All resources', 'Resource groups', 'Quickstart Center', 'App Services', 'Function Apps', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', 'Virtual networks', 'Azure Active Directory', 'Monitor', 'Advisor', 'Security Center', 'Cost Management + Billing', and 'Help + support'.

The main content area displays the 'sansmediacd' CDN profile. The 'Overview' tab is selected, showing details such as 'Resource group (change)', 'Status: Active', 'Location', 'Subscription (change)', and 'Subscription ID'. The 'Endpoints' section is visible at the bottom, showing a table with columns: 'HOSTNAME', 'ST...', 'PROT...', 'ORIGIN ...', and 'CUSTOM DOMAINS'. The table currently contains no data, with the message 'No endpoints are associated with this profile'.

The 'Endpoint' button in the top right corner of the profile view is highlighted in yellow.

While “Add an endpoint”,

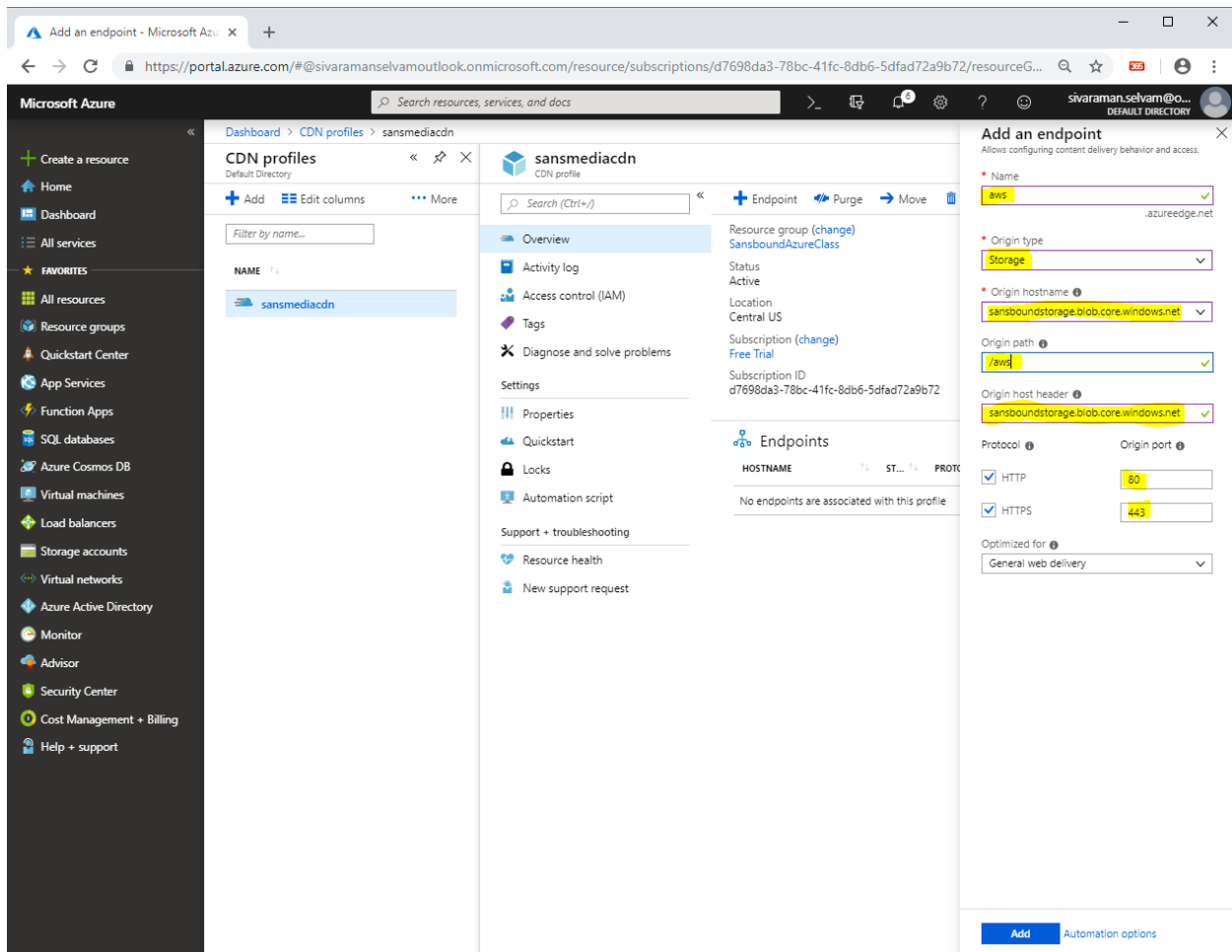
Type “Name” as “aws”.

Select “Origin” as “Storage”.

Select “Origin hostname” as “sansboundstorage.blob.core.windows.net” (Name of the storage account).

Select “Origin path” as “/aws” (aws is a container name).

Ensure “http” and “https” are selected.

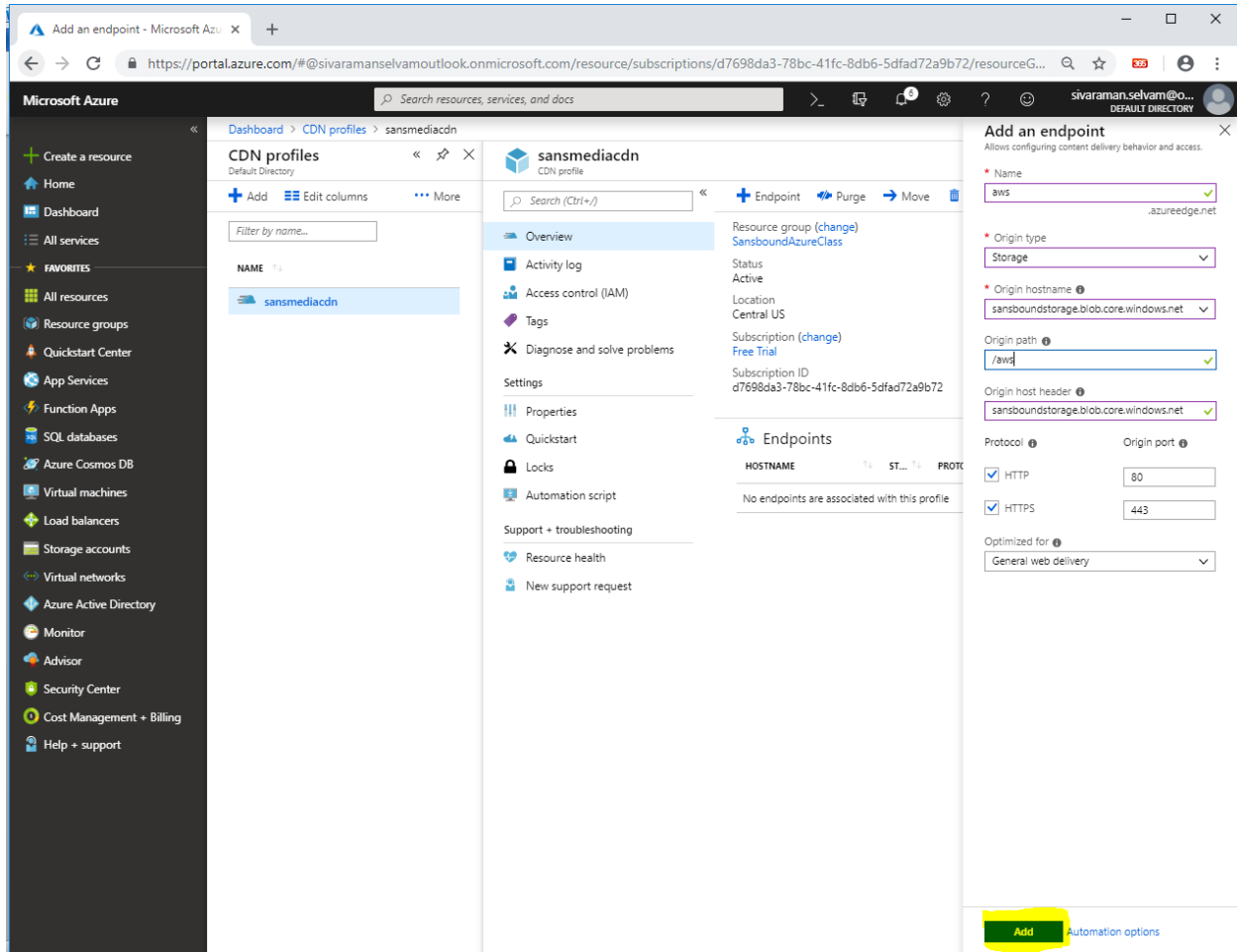


The screenshot displays the Microsoft Azure portal interface for configuring a CDN endpoint. The left sidebar shows the navigation menu with options like 'Create a resource', 'Home', 'Dashboard', and various services. The main area is titled 'CDN profiles' and shows a profile named 'sansmediacd'. The 'Endpoints' section is active, displaying a table with no endpoints currently associated. The 'Add an endpoint' dialog is open on the right, showing the following configuration:

- Name:** aws
- Origin type:** Storage
- Origin hostname:** sansboundstorage.blob.core.windows.net
- Origin path:** /aws
- Origin host header:** sansboundstorage.blob.core.windows.net
- Protocol:** HTTP and HTTPS (both checked)
- Origin port:** 80 and 443
- Optimized for:** General web delivery

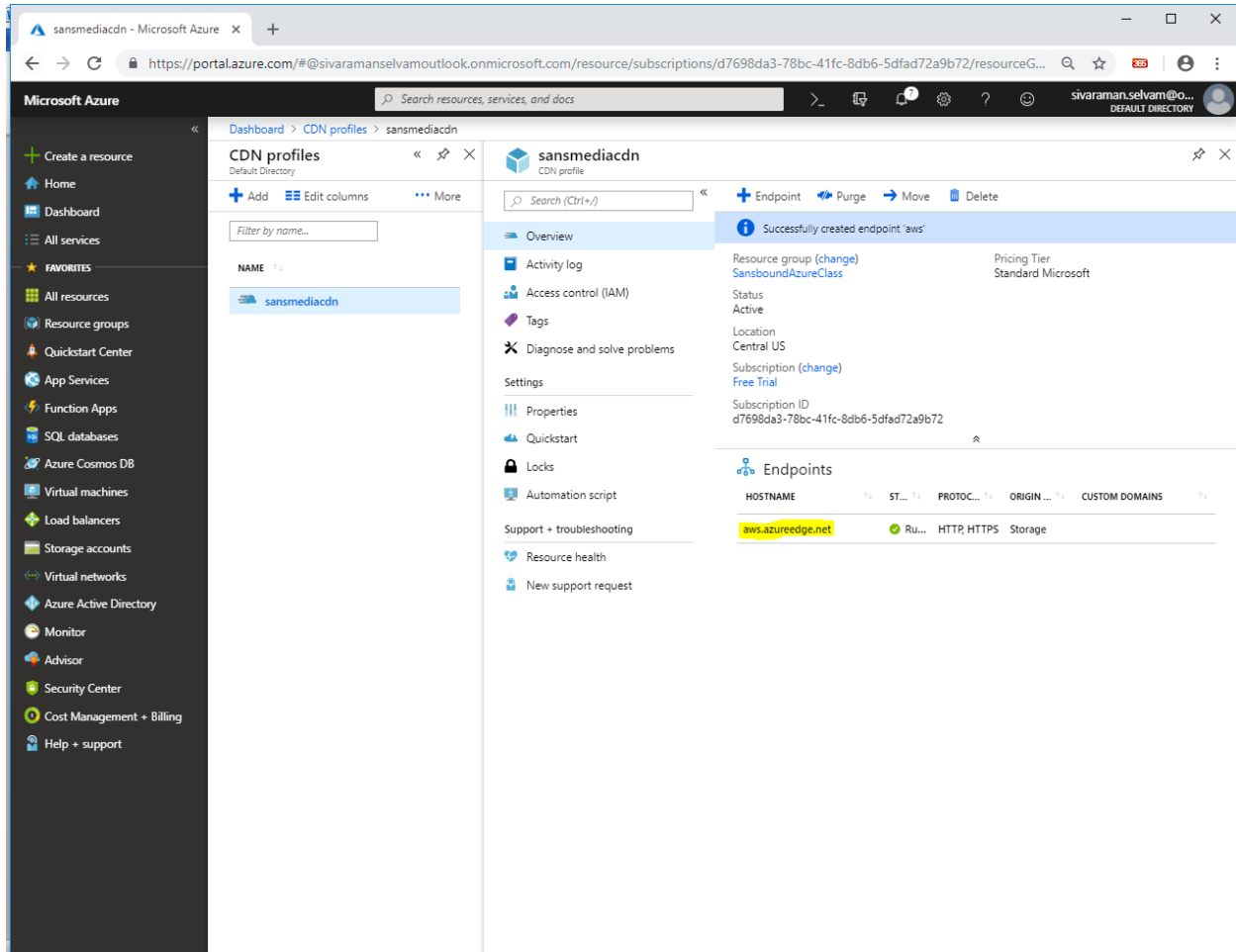
The 'Add' button is visible at the bottom of the dialog.

Click **"Add"**.



The screenshot shows the Microsoft Azure portal interface. On the left is the navigation pane with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area displays the 'CDN profiles' section for a profile named 'sansmediacd'. The 'Endpoints' tab is selected, showing a table with columns 'HOSTNAME', 'ST...', and 'PROT...'. Below the table, it states 'No endpoints are associated with this profile'. On the right, the 'Add an endpoint' dialog is open, allowing configuration of content delivery behavior. The dialog includes fields for Name (set to 'aws'), Origin type (set to 'Storage'), Origin hostname (set to 'sansboundstorage.blob.core.windows.net'), Origin path (set to '/aws'), Origin host header (set to 'sansboundstorage.blob.core.windows.net'), and checkboxes for HTTP and HTTPS protocols. The 'Origin port' is set to 80 for HTTP and 443 for HTTPS. The 'Optimized for' dropdown is set to 'General web delivery'. At the bottom of the dialog, there is a yellow 'Add' button and a link for 'Automation options'.

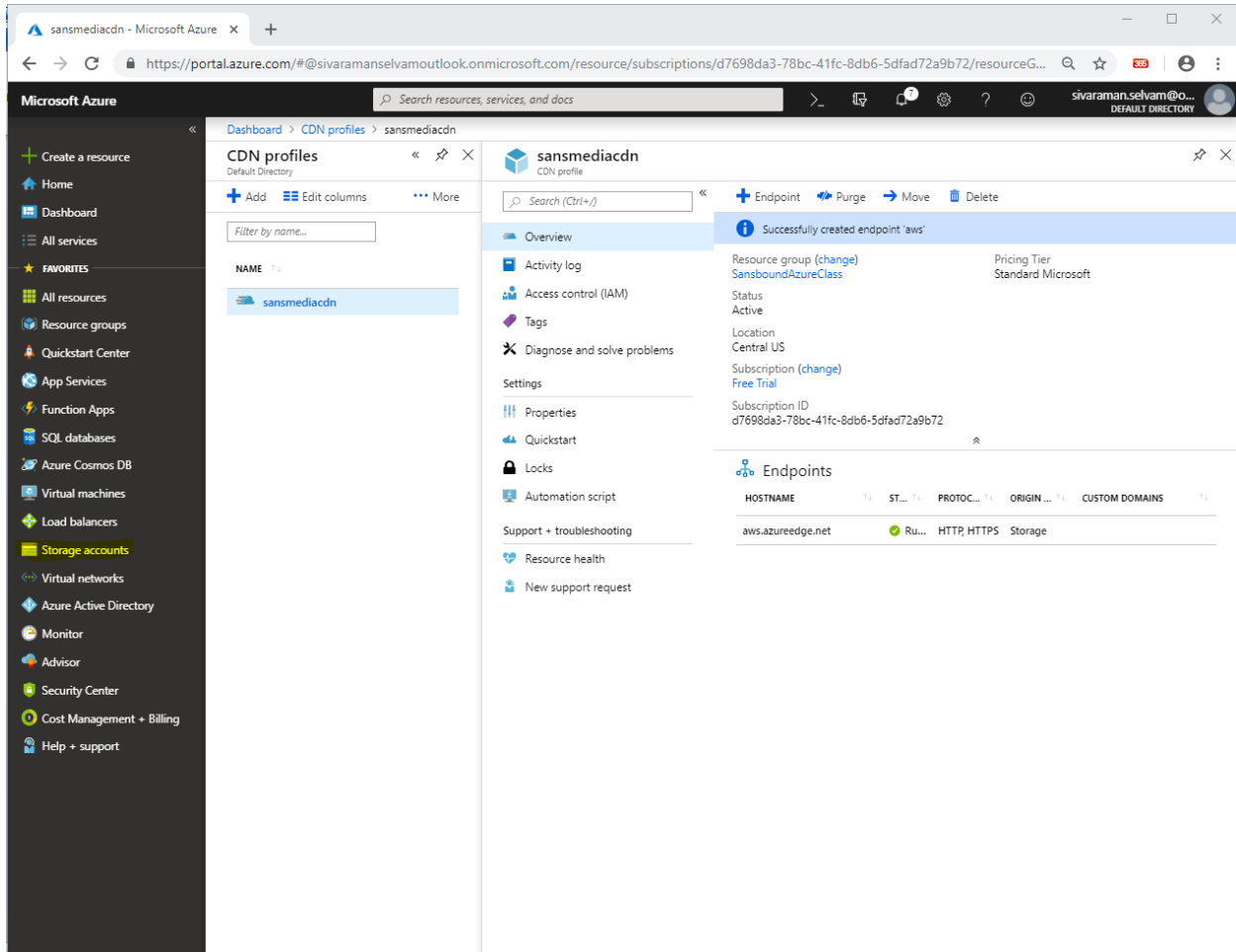
You are able to see the endpoint for **“sansmediacd”**.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Create a resource', 'Home', 'Dashboard', and 'All services'. The main content area displays the 'sansmediacd' CDN profile. The 'Endpoints' section shows a table with the following data:

HOSTNAME	ST...	PROT...	ORIGIN	CUSTOM DOMAINS
aws.azureedge.net	✓	HTTP, HTTPS	Storage	

Click **"Storage accounts"** in left side panel.



The screenshot shows the Microsoft Azure portal interface. On the left, the navigation pane is open, and the 'Storage accounts' option is highlighted. The main content area displays the 'sansmediacd' CDN profile. The profile details include:

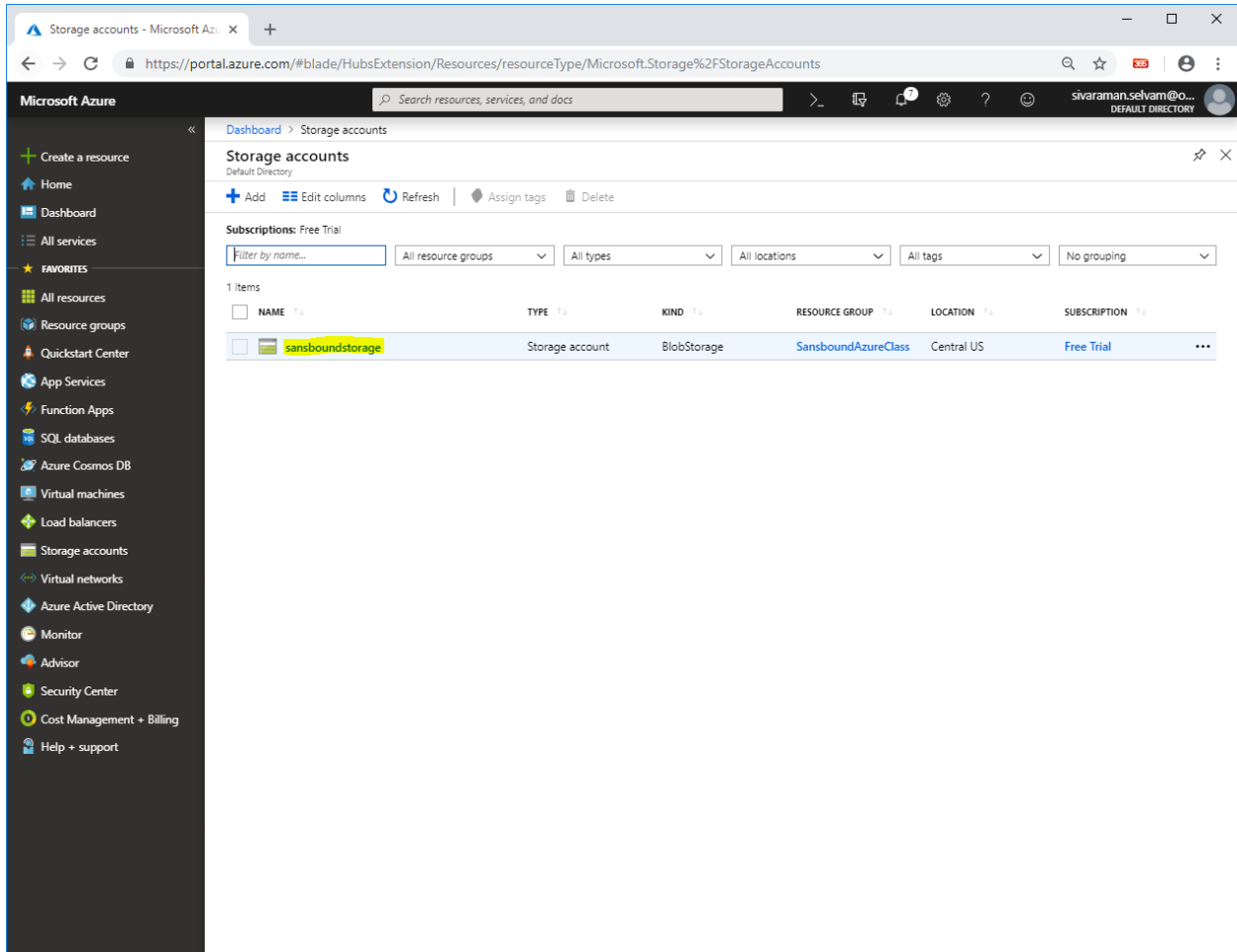
- Resource group (change): SansboundAzureClass
- Pricing Tier: Standard Microsoft
- Status: Active
- Location: Central US
- Subscription (change): Free Trial
- Subscription ID: d7698da3-78bc-41fc-8db6-5dfad72a9b72

The 'Endpoints' section shows a table with the following data:

HOSTNAME	ST...	PROTOC...	ORIGIN ...	CUSTOM DOMAINS
aws.azureedge.net	✓ Ru...	HTTP, HTTPS	Storage	

In “Storage accounts”,

Click “**sansboundstorage**”.



Storage accounts - Microsoft Azure

https://portal.azure.com/#blade/HubsExtension/Resources/resourceType/Microsoft.Storage%2FStorageAccounts

Microsoft Azure

Dashboard > Storage accounts

Storage accounts

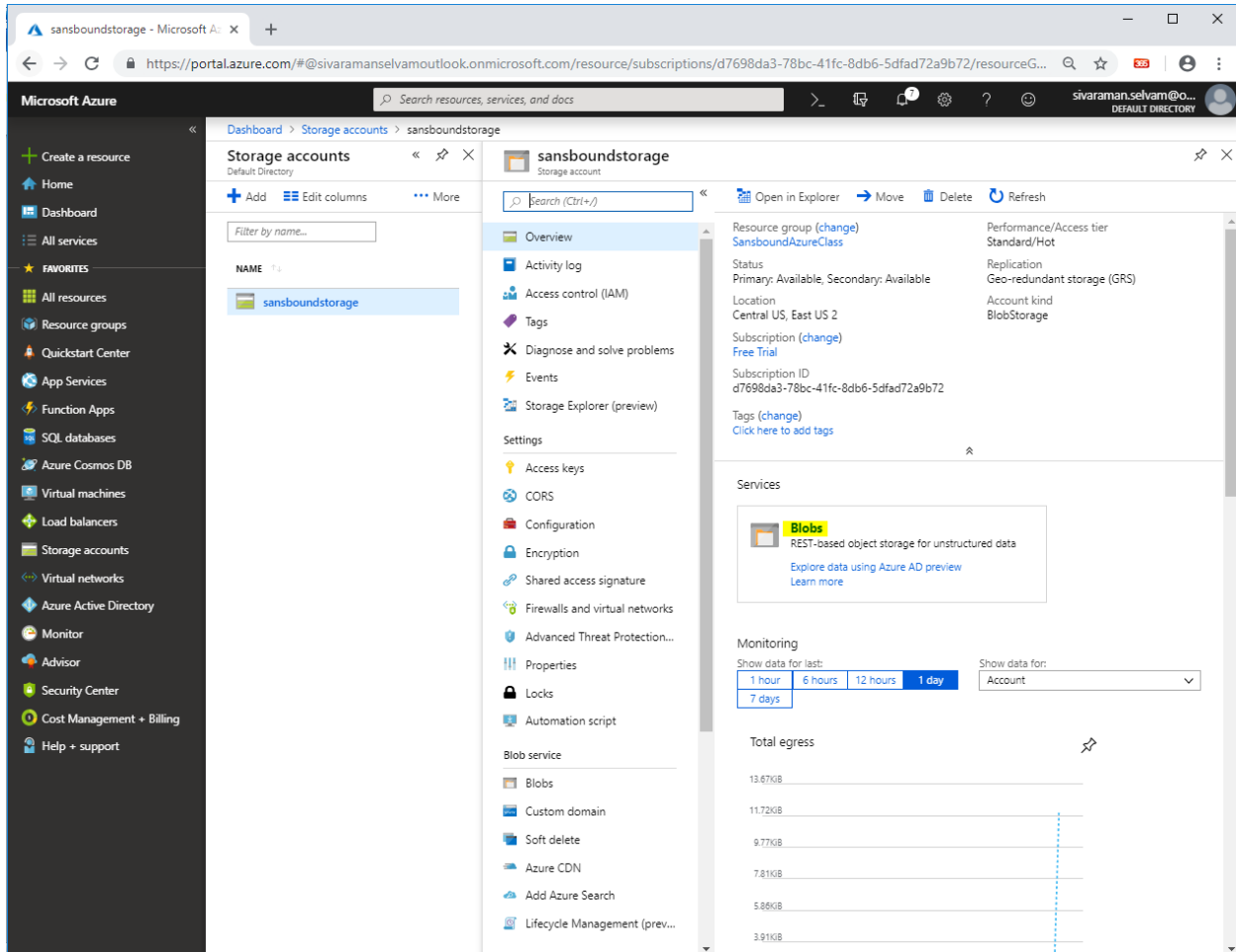
Subscriptions: Free Trial

Filter by name... All resource groups All types All locations All tags No grouping

1 items

NAME	TYPE	KIND	RESOURCE GROUP	LOCATION	SUBSCRIPTION
sansboundstorage	Storage account	BlobStorage	SansboundAzureClass	Central US	Free Trial

Click **"Blobs"**.



The screenshot displays the Microsoft Azure portal interface. The left sidebar shows the navigation menu with 'Storage accounts' selected. The main content area shows the 'sansboundstorage' storage account overview. The 'Blobs' service is highlighted in the 'Services' section. The 'Monitoring' section shows a graph of 'Total egress' over time, with a peak around 11:22 KB.

Storage accounts

Filter by name...

sansboundstorage

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Events
- Storage Explorer (preview)

Settings

- Access keys
- CORS
- Configuration
- Encryption
- Shared access signature
- Firewalls and virtual networks
- Advanced Threat Protection...
- Properties
- Locks
- Automation script

Blob service

- Blobs
- Custom domain
- Soft delete
- Azure CDN
- Add Azure Search
- Lifecycle Management (prev...

Resource group (change)
SansboundAzureClass

Status
Primary: Available, Secondary: Available

Location
Central US, East US 2

Subscription (change)
Free Trial

Subscription ID
d7698da3-78bc-41fc-8db6-5dfad72a9b72

Tags (change)
Click here to add tags

Performance/Access tier
Standard/Hot

Replication
Geo-redundant storage (GRS)

Account kind
BlobStorage

Blobs

REST-based object storage for unstructured data

Explore data using Azure AD preview
Learn more

Monitoring

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days

Show data for: Account

Total egress

13.67 KB

11.72 KB

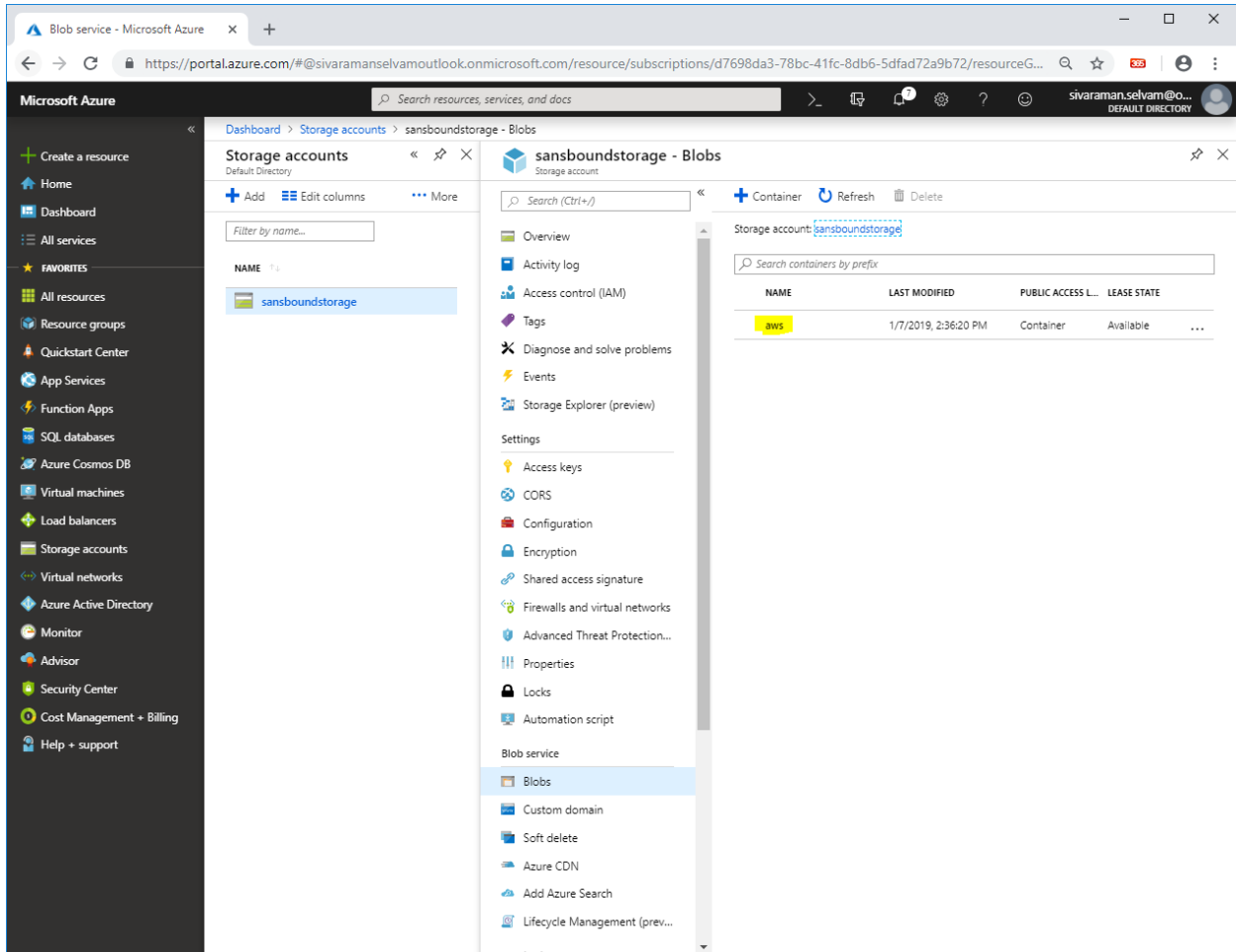
9.77 KB

7.81 KB

5.88 KB

3.91 KB

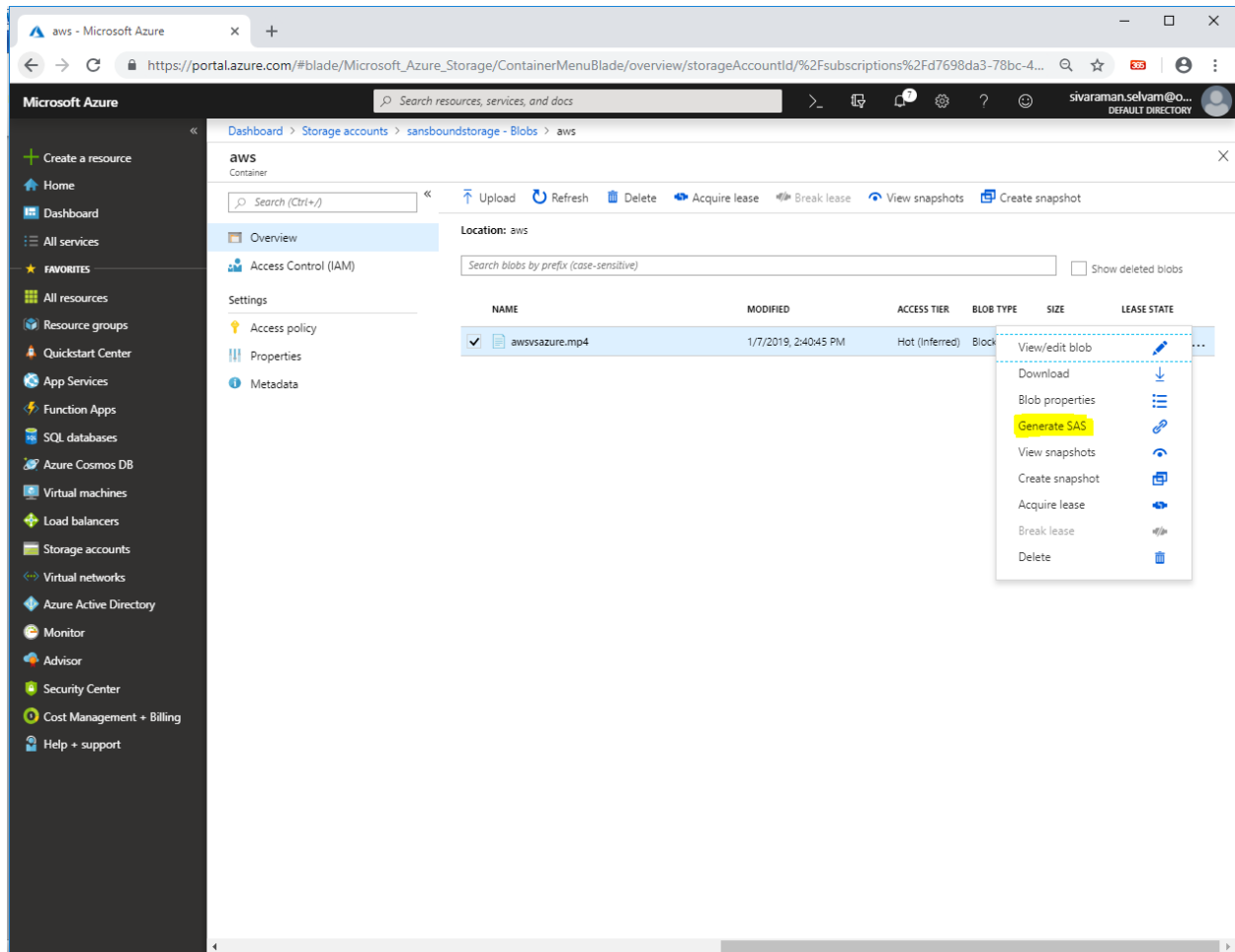
Click “aws” container.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains the 'Microsoft Azure' navigation menu with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area is titled 'Storage accounts' and shows a list of storage accounts, with 'sansboundstorage' selected. The right pane displays the 'Blobs' section for the 'sansboundstorage' account. It includes a search bar, a list of containers, and a table of containers. The 'aws' container is highlighted in the table.

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
aws	1/7/2019, 2:36:20 PM	Container	Available

Click **"Generate SAS"**.

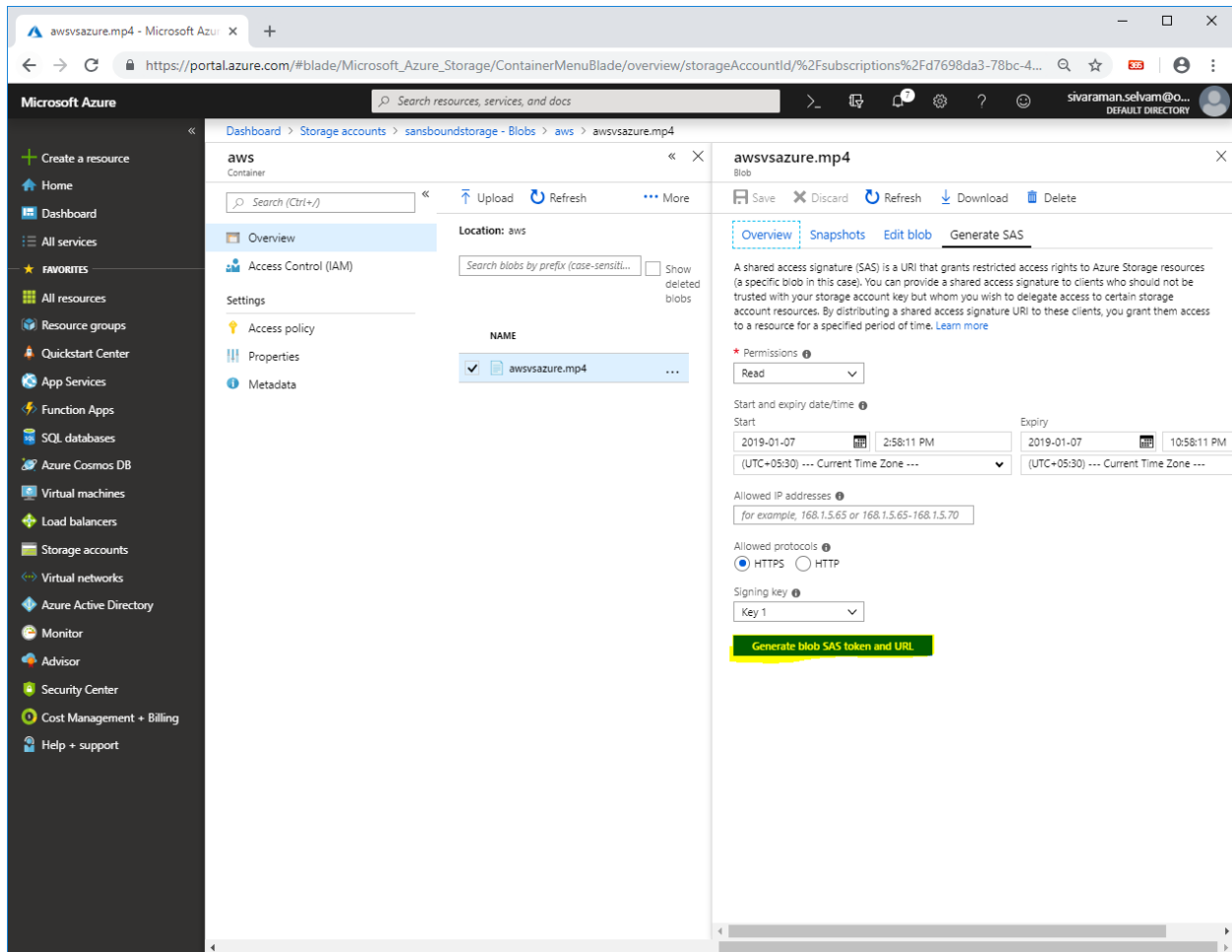


The screenshot shows the Microsoft Azure portal interface. The left sidebar contains the navigation menu with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area displays the 'aws' container within the 'sansboundstorage' storage account. The 'Overview' tab is selected, showing a table of blobs. The first blob, 'awsazure.mp4', is selected, and a context menu is open, highlighting the 'Generate SAS' option.

NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
✓ awsazure.mp4	1/7/2019, 2:40:45 PM	Hot (Inferred)	Block		

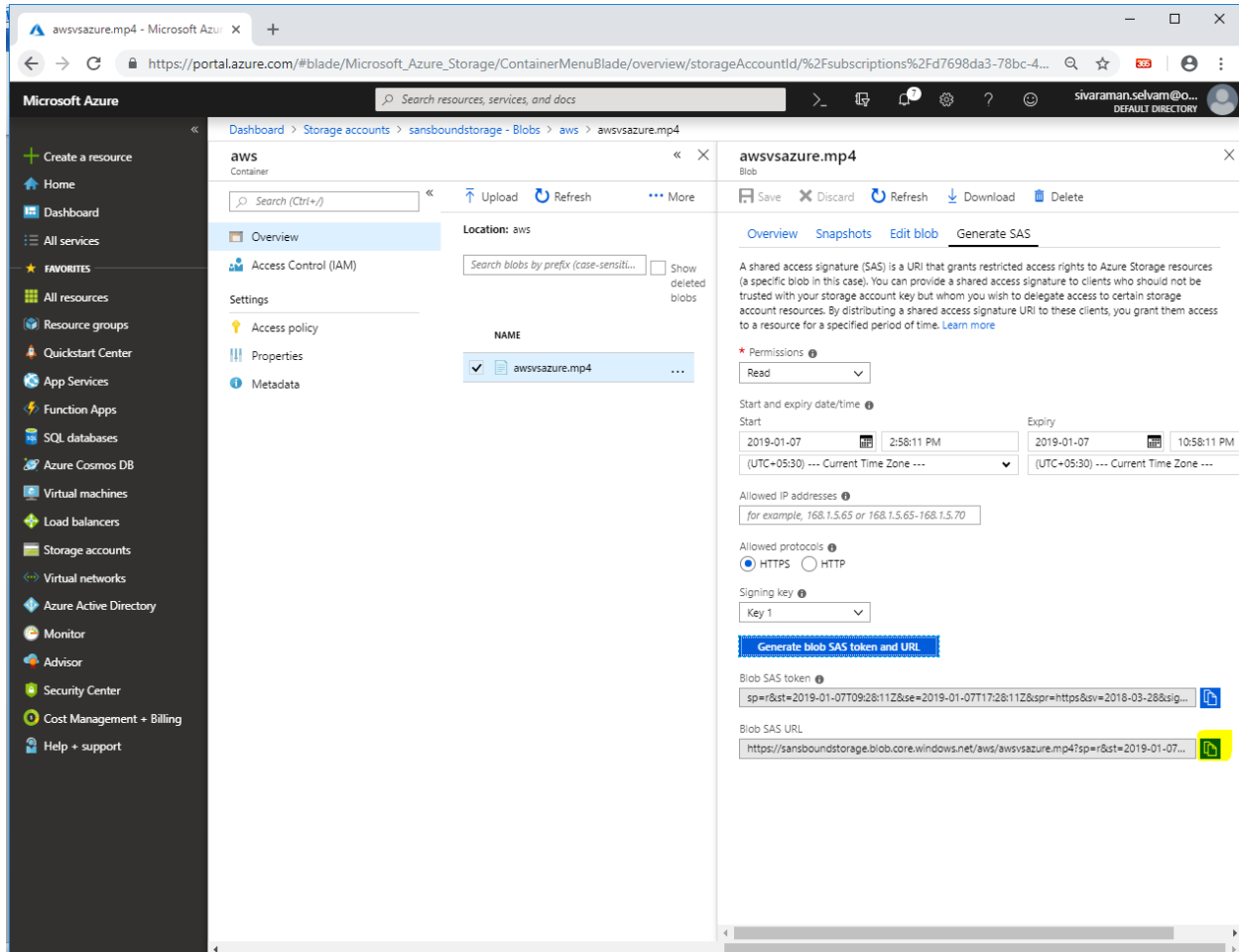
- View/edit blob
- Download
- Blob properties
- Generate SAS**
- View snapshots
- Create snapshot
- Acquire lease
- Break lease
- Delete

Click **“Generate blob SAS token and URL”**.



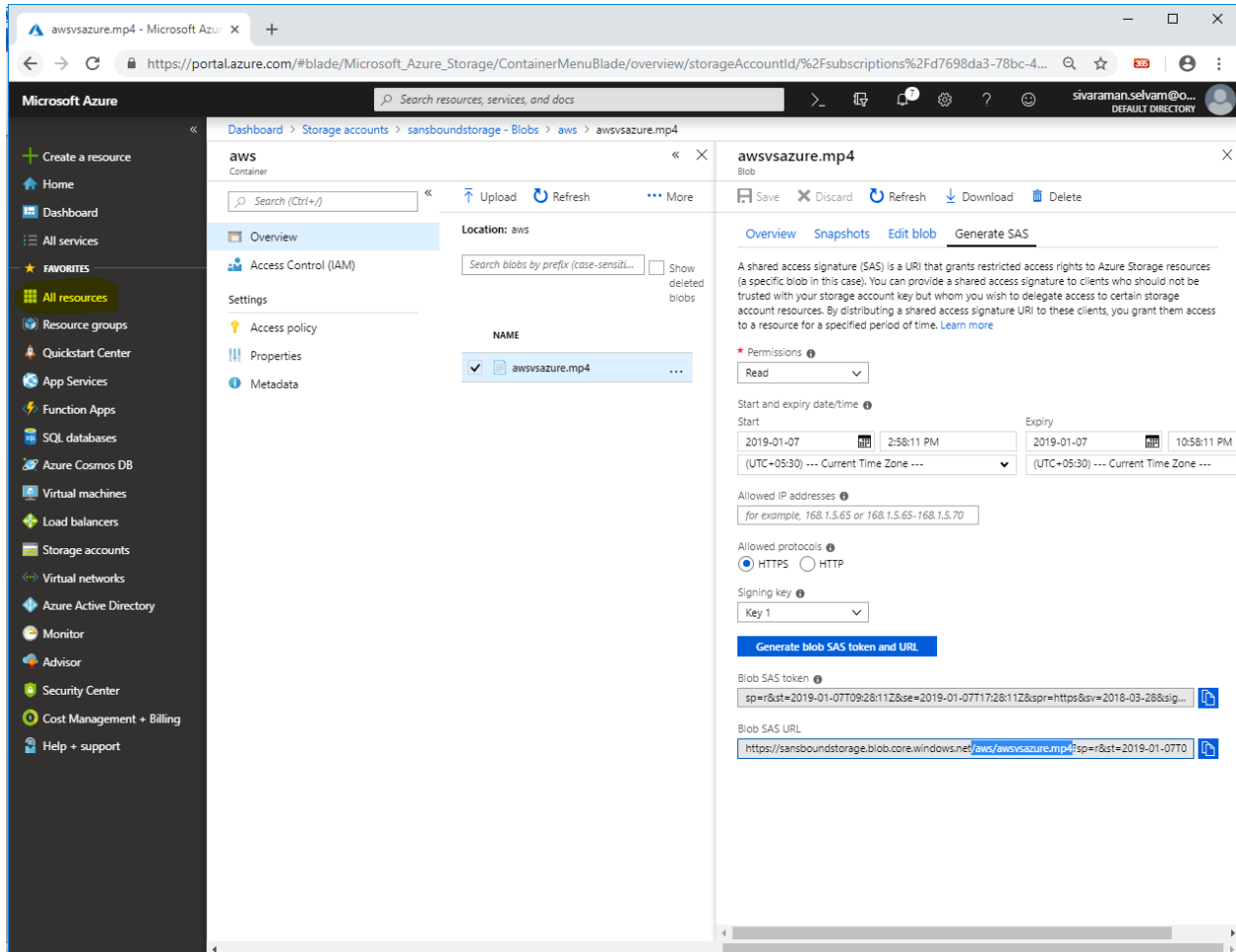
The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main content area is titled 'aws Container' and shows a list of blobs under the 'aws' container. The selected blob is 'awsvsazure.mp4'. The right-hand pane displays the 'Generate SAS' configuration for this blob. It includes fields for 'Permissions' (set to 'Read'), 'Start and expiry date/time' (Start: 2019-01-07 2:58:11 PM, Expiry: 2019-01-07 10:58:11 PM), 'Allowed IP addresses' (with an example), 'Allowed protocols' (set to 'HTTPS'), and 'Signing key' (set to 'Key 1'). A yellow button labeled 'Generate blob SAS token and URL' is visible at the bottom of the configuration pane.

Click **"Icon"** to copy the Blob SAS URL Path.



The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for 'Create a resource', 'Home', 'Dashboard', 'All services', 'FAVORITES', 'All resources', 'Resource groups', 'Quickstart Center', 'App Services', 'Function Apps', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', 'Virtual networks', 'Azure Active Directory', 'Monitor', 'Advisor', 'Security Center', 'Cost Management + Billing', and 'Help + support'. The main area displays the 'aws' container with a search bar and tabs for 'Overview', 'Access Control (IAM)', 'Settings', 'Properties', and 'Metadata'. The 'Overview' tab is active, showing a list of blobs with the column headers 'NAME' and '...'. The blob 'awsvsazure.mp4' is selected. The right pane shows the 'Generate SAS' tab for 'awsvsazure.mp4'. It includes a description of Shared Access Signatures (SAS), a 'Permissions' dropdown set to 'Read', 'Start and expiry date/time' fields for 'Start' (2019-01-07 2:58:11 PM) and 'Expiry' (2019-01-07 10:58:11 PM), 'Allowed IP addresses' (168.1.5.65 or 168.1.5.65-168.1.5.70), 'Allowed protocols' (HTTPS selected), and 'Signing key' (Key 1). A blue button 'Generate blob SAS token and URL' is visible. Below, the 'Blob SAS token' is shown as a long string, and the 'Blob SAS URL' is displayed as a full URL, with a copy icon to its right.

Click **"All resources"**.



The screenshot displays the Microsoft Azure portal interface. On the left, the navigation pane shows the 'All resources' link highlighted under the 'FAVORITES' section. The main content area is divided into two panes. The left pane shows the 'aws' container with a list of blobs, including 'awsazure.mp4'. The right pane shows the details for the 'awsazure.mp4' blob, including its location, permissions, start and expiry date/time, allowed IP addresses, allowed protocols, signing key, and the generated blob SAS token and URL.

aws
Container

Search (Ctrl+/)

Upload Refresh More

Location: aws

Search blobs by prefix (case-sensiti... Show deleted blobs

NAME

✓ awsazure.mp4

awsazure.mp4
Blob

Save Discard Refresh Download Delete

Overview Snapshots Edit blob Generate SAS

A shared access signature (SAS) is a URI that grants restricted access rights to Azure Storage resources (a specific blob in this case). You can provide a shared access signature to clients who should not be trusted with your storage account key but whom you wish to delegate access to certain storage account resources. By distributing a shared access signature URI to these clients, you grant them access to a resource for a specified period of time. [Learn more](#)

* Permissions ⓘ

Read

Start and expiry date/time ⓘ

Start 2019-01-07 2:58:11 PM Expiry 2019-01-07 10:58:11 PM

(UTC+05:30) --- Current Time Zone --- (UTC+05:30) --- Current Time Zone ---

Allowed IP addresses ⓘ

for example, 168.1.5.65 or 168.1.5.65-168.1.5.70

Allowed protocols ⓘ

☒ HTTPS ☐ HTTP

Signing key ⓘ

Key 1

Generate blob SAS token and URL

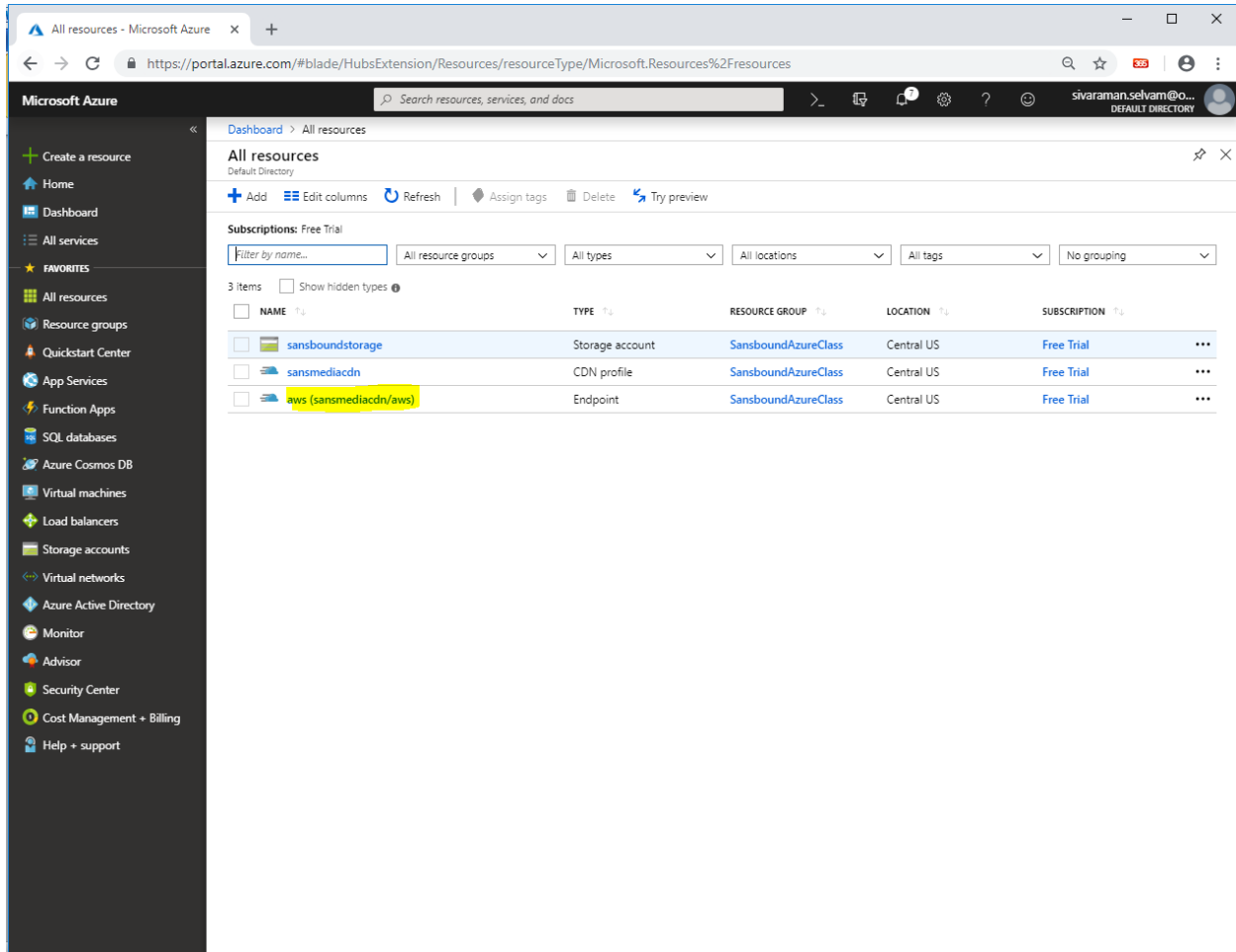
Blob SAS token ⓘ

sp=r&st=2019-01-07T09:28:11Z&se=2019-01-07T17:28:11Z&spr=https&sv=2018-03-28&sig=...

Blob SAS URL

<https://sansboundstorage.blob.core.windows.net/aws/awsazure.mp4?sp=r&st=2019-01-07T09:28:11Z&se=2019-01-07T17:28:11Z&spr=https&sv=2018-03-28&sig=...>

Click “sansmedia/aws” endpoint of CDN.



Microsoft Azure

Dashboard > All resources

All resources

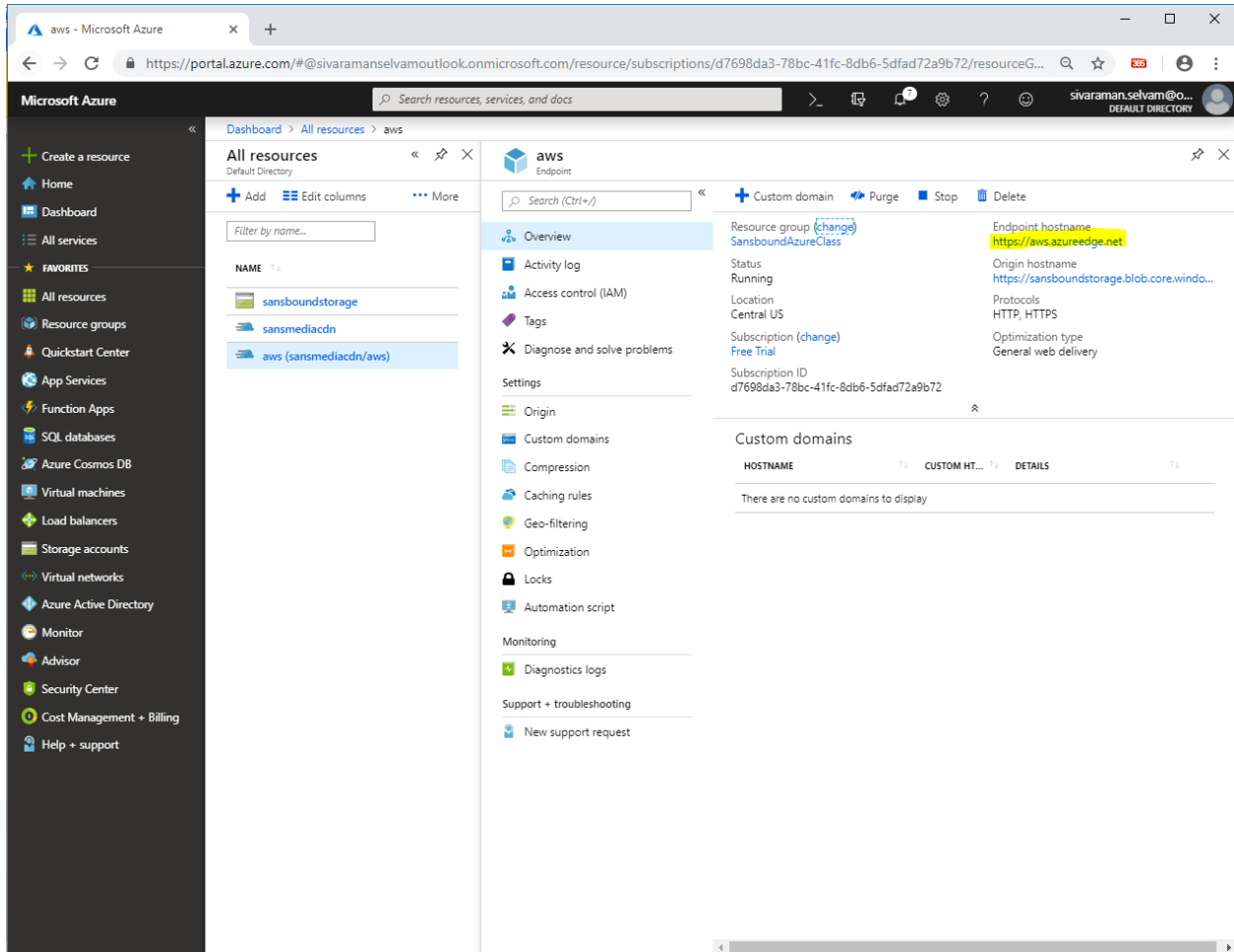
Subscriptions: Free Trial

Filter by name... All resource groups All types All locations All tags No grouping

3 items ☐ Show hidden types

<input type="checkbox"/>	NAME	TYPE	RESOURCE GROUP	LOCATION	SUBSCRIPTION
<input type="checkbox"/>	sansboundstorage	Storage account	SansboundAzureClass	Central US	Free Trial
<input type="checkbox"/>	sansmediacd	CDN profile	SansboundAzureClass	Central US	Free Trial
<input type="checkbox"/>	aws (sansmediacd/aws)	Endpoint	SansboundAzureClass	Central US	Free Trial

Copy the path “<https://aws.azureedge.net>”

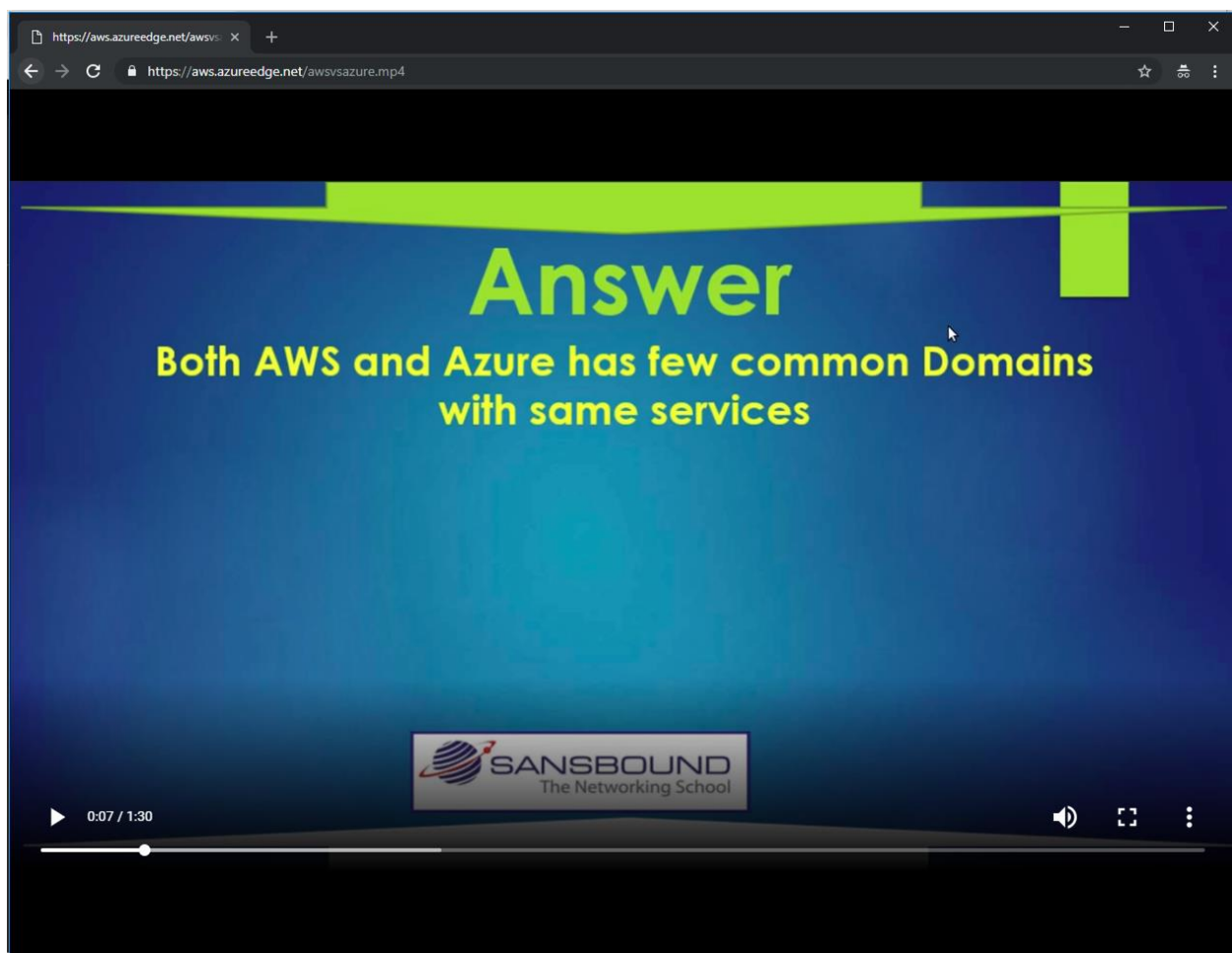


The screenshot shows the Microsoft Azure portal interface. On the left is the navigation pane with options like 'Create a resource', 'Home', 'Dashboard', 'All services', and 'FAVORITES'. The main area displays the 'aws' endpoint configuration. The 'Overview' tab is selected, showing details for the 'aws' endpoint. The 'Endpoint hostname' is highlighted in yellow and reads <https://aws.azureedge.net>. Other details include 'Resource group: SansboundAzureClass', 'Status: Running', 'Location: Central US', 'Subscription: Free Trial', and 'Subscription ID: d7698da3-78bc-41fc-8db6-5dfad72a9b72'. The 'Custom domains' section shows a table with columns 'HOSTNAME', 'CUSTOM HT...', and 'DETAILS', and a message 'There are no custom domains to display'.

Paste the path into browser with "filename".

<https://aws.azureedge.net/awsvsazure.mp4>

and press "Enter".



I have got the video file through Endpoint of CDN profile.