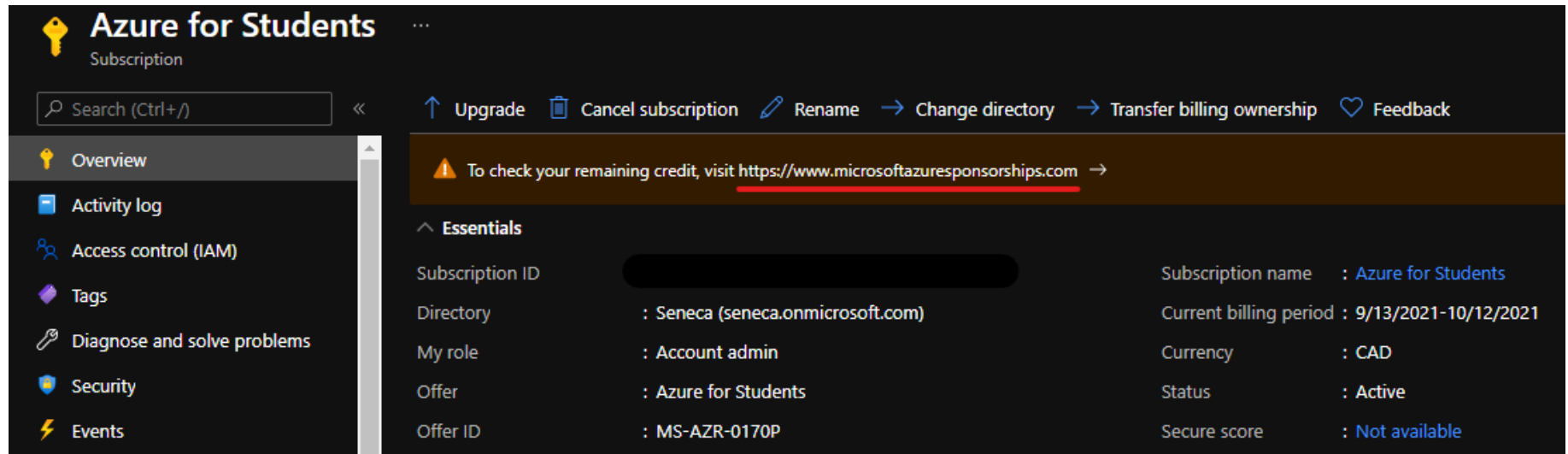




Lab 5: Create blob storage

At the end of each lab, any resources you created in your account will be preserved. Some Azure resources, such as VM instances, may be automatically shut down, while other resources, such as storage services will be left running. Keep in mind that some Azure features cannot be stopped and can still incur charges (i.e. Azure Bastion). To minimize your costs, delete all resources and recreate them as needed to test your work during a session.



The screenshot shows the 'Azure for Students' subscription page. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Security, and Events. The main content area has a top bar with a search box and action links: Upgrade, Cancel subscription, Rename, Change directory, Transfer billing ownership, and Feedback. Below this is a warning banner about checking remaining credit. The 'Essentials' section displays subscription details in a table.

Essentials	
Subscription ID	[Redacted]
Subscription name	: Azure for Students
Directory	: Seneca (seneca.onmicrosoft.com)
Current billing period	: 9/13/2021-10/12/2021
My role	: Account admin
Currency	: CAD
Offer	: Azure for Students
Status	: Active
Offer ID	: MS-AZR-0170P
Secure score	: Not available

Reference: [AZ-900T0X-MICROSOFTAZUREFUNDAMENTALS](#)

05 - Create blob storage

In this walkthrough, we will create a storage account, then work with blob storage files.

Task 1: Create a storage account (5 min)

In this task, we will create a new storage account.

1. Sign in to the Azure portal at <https://portal.azure.com>
2. From the **All services** blade, search for and select **Storage accounts**, and then click **+ Add**.
3. On the **Basics** tab of the **Create storage account** blade, fill in the following information (replace **xxxx** in the name of the storage account with letters and digits such that the name is globally unique). Leave the defaults for everything else.

Setting	Value
Subscription	Choose your subscription
Resource group	myRGStorage (create new)
Storage account name	<studentID>storageaccountxxxx (example: dtrinh1storageaccount)
Location	(US) East US
Performance	Standard

Setting	Value
Account kind	StorageV2 (general purpose v2)
Replication	Locally redundant storage (LRS)

4. **Note** - Remember to change the **xxxx** so that it makes a unique **Storage account name**
5. Click **Review + Create** to review your storage account settings and allow Azure to validate the configuration.
6. Once validated, click **Create**. Wait for the notification that the account was successfully created.
7. From the Home page, search for and select **Storage accounts** and ensure your new storage account is listed.

[All services](#) > Storage accounts


Storage accounts

Default Directory

+ Add
≡ Edit columns
↺ Refresh
↓ Export to CSV
🏷 Assign tags
🗑 Delete
💖 Feedback
↔ Leave preview

Subscription == all
Resource group == all ×
Location == all ×
+🔍 Add filter

Showing 1 to 2 of 2 records.

<input type="checkbox"/>	Name ↑↓	Type ↑↓	Kind ↑↓	Resource group ↑↓	Location ↑↓
<input type="checkbox"/>	 storageaccount124342	Storage account	StorageV2	myRGStorage	East US


Task 2: Work with blob storage


In this task, we will create a Blob container and upload a blob file.

1. Click the name of the new storage account, scroll to the **Blob service** section, and then click **Containers**.
2. Click **+ Container** and complete the information. Use the Information icons to learn more. When done click **OK**.


Setting	Value
Name	container1
Public access level	Private (no anonymous access)


+ Container

 Change access level

 Refresh

|

 Delete

 Search containers by prefix

Name	Last modified	Public access level	Lease state
<input type="checkbox"/> container1	1/7/2020, 9:21:42 AM	Private	Available

- 3.
4. Click the **container1** container, and then click **Upload**.
5. Browse to a file on your local computer.

Note: You can create an empty `.txt` file or use any existing file. Consider choosing a file of a small size to minimize the upload time.

6. Click the **Advanced** arrow, leave the default values but review the available options, and then click **Upload**.

Note: You can upload as many blobs as you like in this way. New blobs will be listed within the container.

7. Once the file is uploaded, right-click on the file and notice the options including View/edit, Download, Properties, and Delete.
8. As you have time, from the storage account blade, review the options for Files, Tables, and Queues.

Task 3: Monitor the storage account

1. If needed, return to the storage account blade and click **Diagnose and solve problems**.
2. Explore some of the most common storage problems. Notice there are multiple troubleshooters.
3. On the storage account blade, scroll down to the **Monitoring** section and click **Insights**. Notice there is information on Failures, Performance, Availability, and Capacity. Your information will be different.

Insights

Workbooks Customize Refresh Alerts Pins Feedback ?

Time Range: Last 4 hours

Overview Failures Performance Availability Capacity

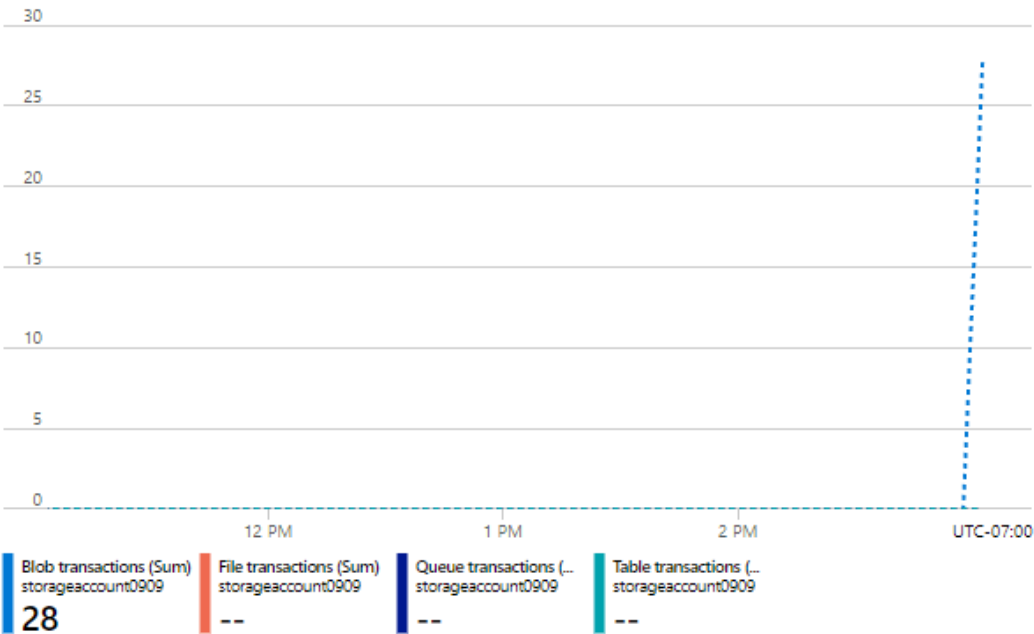
Availability
100
Average | Percentage

Transactions
28
Count

Success E2E Latency
22.32
Average | Milliseconds

Success Server Latency
18.26
Average | Milliseconds

Transactions by storage type



Congratulations! You have created a storage account, then worked with storage blobs.

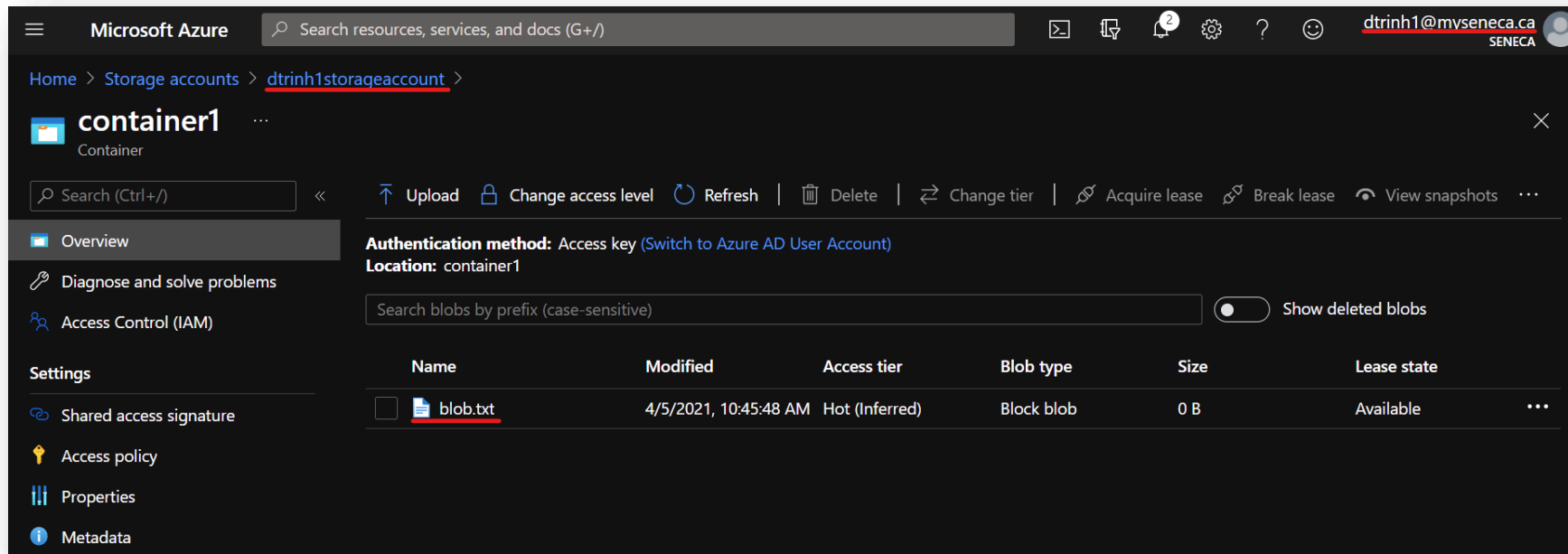
Note: To avoid additional costs, you can remove all resources in the resource group. Search for resource groups, click your resource group, and then delete the resources within the resource group. **DO NOT DELETE YOUR RESOURCE GROUP.**

Submission Requirements

Submit a screenshot with the following information:

Screenshot #1:

- An uploaded file to your Blob storage container
- The Azure Portal with your login ID



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'dtrinh1@myseneca.ca'. The breadcrumb trail indicates the path: Home > Storage accounts > dtrinh1storageaccount > container1. The main content area displays the 'container1' container details. On the left, there is a sidebar with navigation options: Overview (selected), Diagnose and solve problems, Access Control (IAM), Settings, Shared access signature, Access policy, Properties, and Metadata. The main area shows the 'Authentication method' as 'Access key' and the 'Location' as 'container1'. Below this, there is a search bar for blobs and a toggle for 'Show deleted blobs'. A table lists the blobs in the container:

Name	Modified	Access tier	Blob type	Size	Lease state
<input type="checkbox"/> blob.txt	4/5/2021, 10:45:48 AM	Hot (Inferred)	Block blob	0 B	Available

Screenshot #2:

- Successful deletion of resources within resource group. **DO NOT DELETE YOUR RESOURCE GROUP!**

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'dtrinh1@myseneca.ca'. The main content area is titled 'Resource groups' and shows the 'myRG' resource group. The left sidebar contains navigation links for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Resource visualizer', 'Events', 'Settings', 'Deployments', 'Security', 'Policies', 'Properties', and 'Locks'. The 'Resources' tab is selected, showing a table with 0 records. The 'Essentials' section displays subscription information and deployment status.

Resource groups
Seneca (seneca.onmicrosoft.com)

myRG
Resource group

Essentials

Subscription (Move)
Azure for Students

Subscription ID
3e6685e5-073e-4397-8a34-b9022c3952d9

Deployments
No deployments

Location
East US

Resources Recommendations

Showing 0 to 0 of 0 records. ☐ Show hidden types

No grouping List view

Name	Type	Location
------	------	----------