

# Cloud Development, 2021 fall. Lab 7

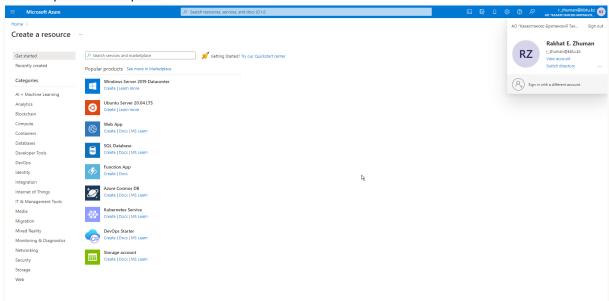
# Report

Access resource secrets more securely across services

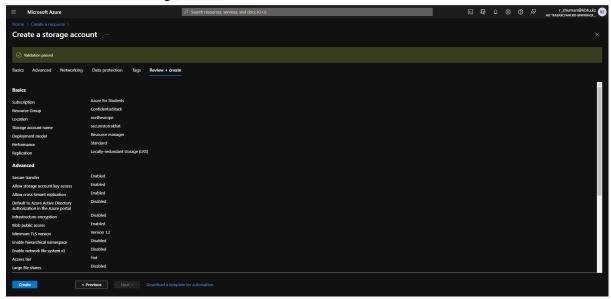
made by Zhuman Rakhat

#### Exercise 1: Create an Azure AD application registration

Task 1: Open the Azure portal

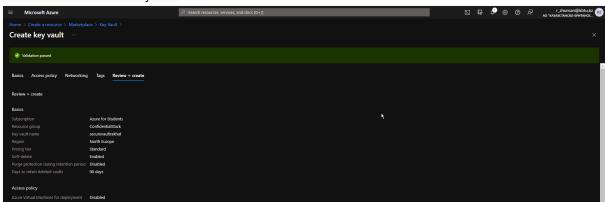


Task 2: Create an Azure Storage account

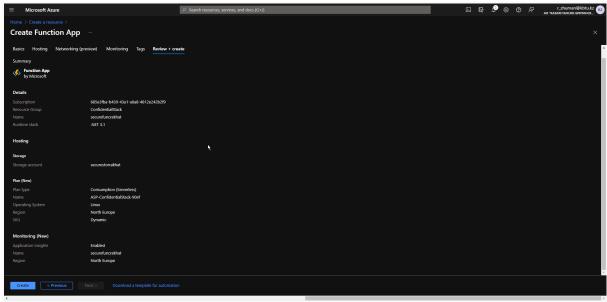


#### Connection string -

DefaultEndpointsProtocol=https;AccountName=securestorrakhat;AccountKey=bDib9BGslggpKOKQiZo5atDqW8 A3hx7JJ2+7EsQuiQ+B2EYxndg+B59SFL62S/viWFYC6asglT8c2W7TejplBg==;EndpointSuffix=core.windows.net Task 3: Create an Azure key vault

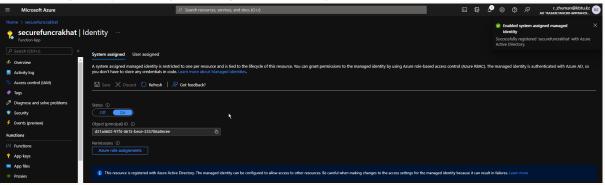


Task 4: Create an Azure Functions app



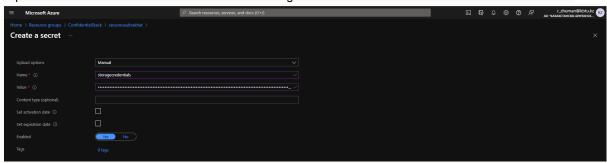
### **Exercise 2: Configure secrets and identities**

Task 1: Configure a system-assigned managed service identity



Task 2: Create a Key Vault secret

https://securevaultrakhat.vault.azure.net/secrets/storagecredentials/a9a72251a85a40c6b453d0048a4b1206



Task 3: Configure a Key Vault access policy

■ Microsoft Azure	∠ Search resources, services, and docs (G+/)		Σ	Q	•	0	@	Æ	r_zhuman@kbtu.kz ло "казахстанско-британск
Add access policy Add access policy									
	0 selected V								
	Get V								
	0 selected V								
	Securefuncialhat Object ID: d3184602-9714-4615-bece-33570688ecee								
Add									

Task 4: Create a Key Vault-derived application setting



### **Exercise 3: Build an Azure Functions app**

#### Task 1: Initialize a function project



#### Task 2: Create an HTTP-triggered function



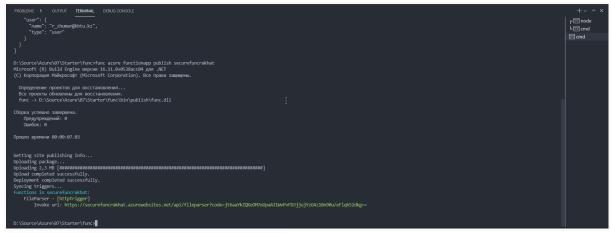
Task 3: Configure and read an application setting



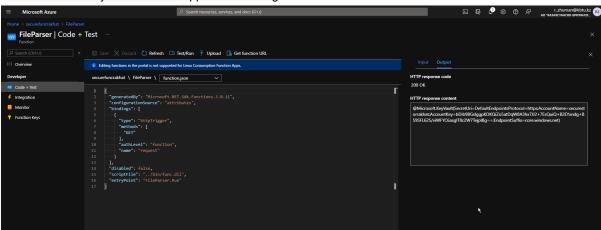
Task 4: Validate the local function



Task 5: Deploy using the Azure Functions Core Tools

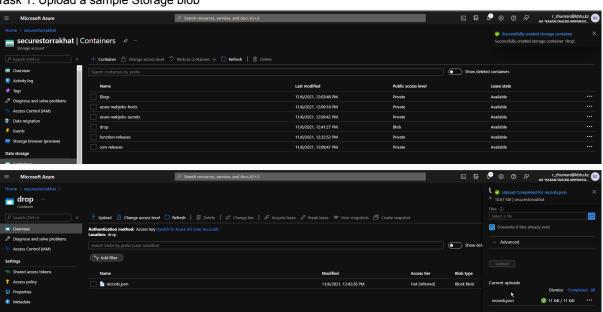


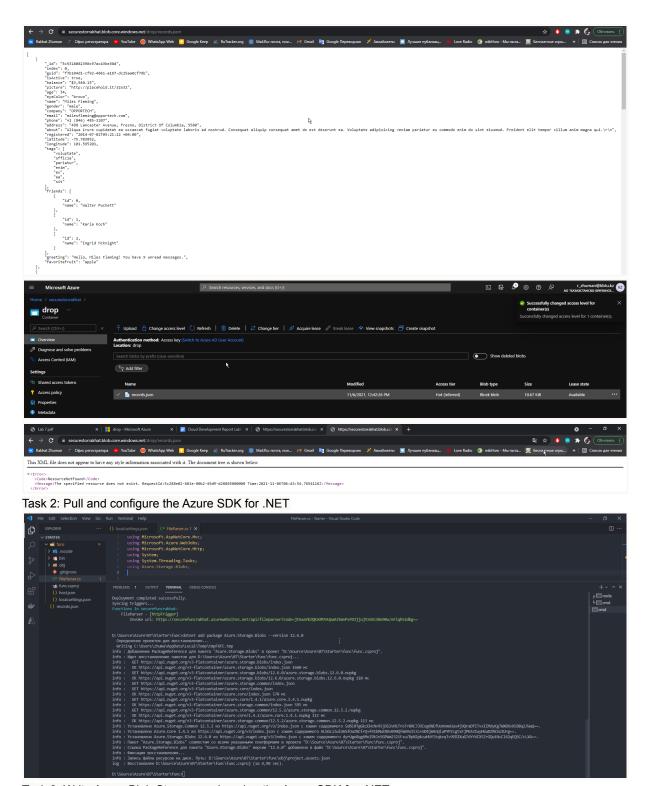
Task 6: Test the Key Vault-derived application setting



### Exercise 4: Access Azure Blob Storage data

Task 1: Upload a sample Storage blob





Task 3: Write Azure Blob Storage code using the Azure SDK for .NET

```
using Azure.Storage.Blobs;

Oreferences
public static class FileParser

[functionName("FileParser")]
Oreferences
public static async Task<!ActionResult> Run([HttpTrigger("GET")] HttpRequest request)

| continue to the cont
```

Task 4: Deploy and validate the Azure Functions app

```
Di Clorestatura di Misteria del professore di Alla del Siste di Al
```

## Exercise 5: Clean up your subscription

Task 2: Delete a resource group

```
Bash v 0 ? © [2 13] () D

Requesting a Cloud Shell.Successful.

Cornecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure ClI

Type "haip" to learn about Cloud Shell

rabhut@Azure:-$ az group delete --name ConfidentialStack --no-wait --yes eathst@Azure:-$ |
```