



**Cloud Development, 2021 fall.  
Lab 12**

**Report**

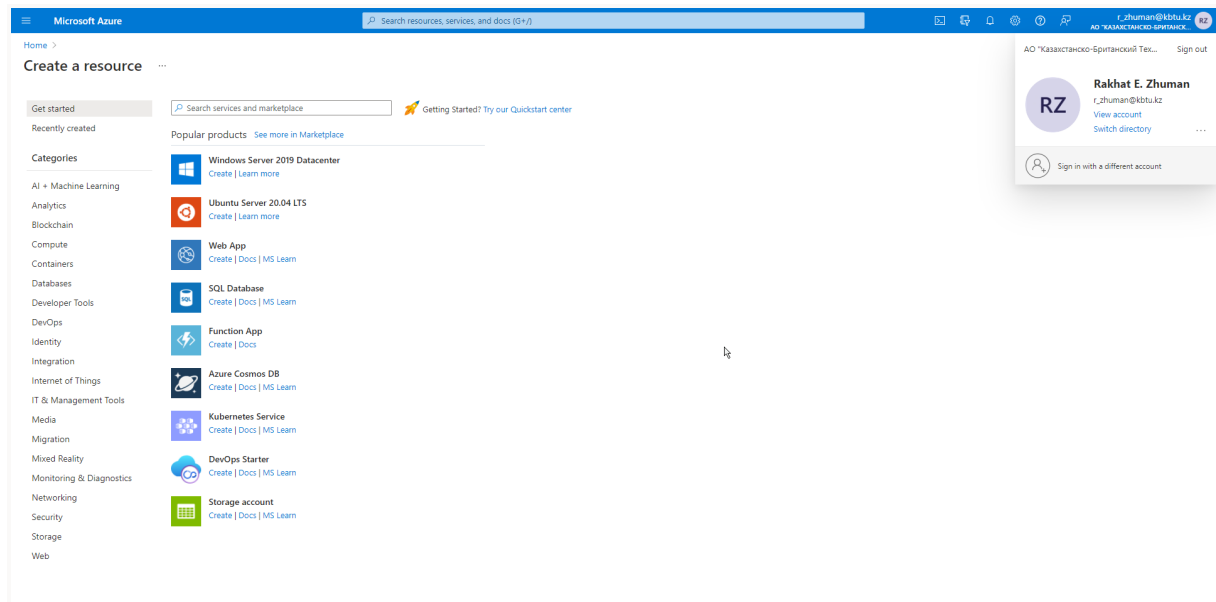
**Enhancing a web application by using the Azure Content  
Delivery Network**

made by Zhuman Rakhat

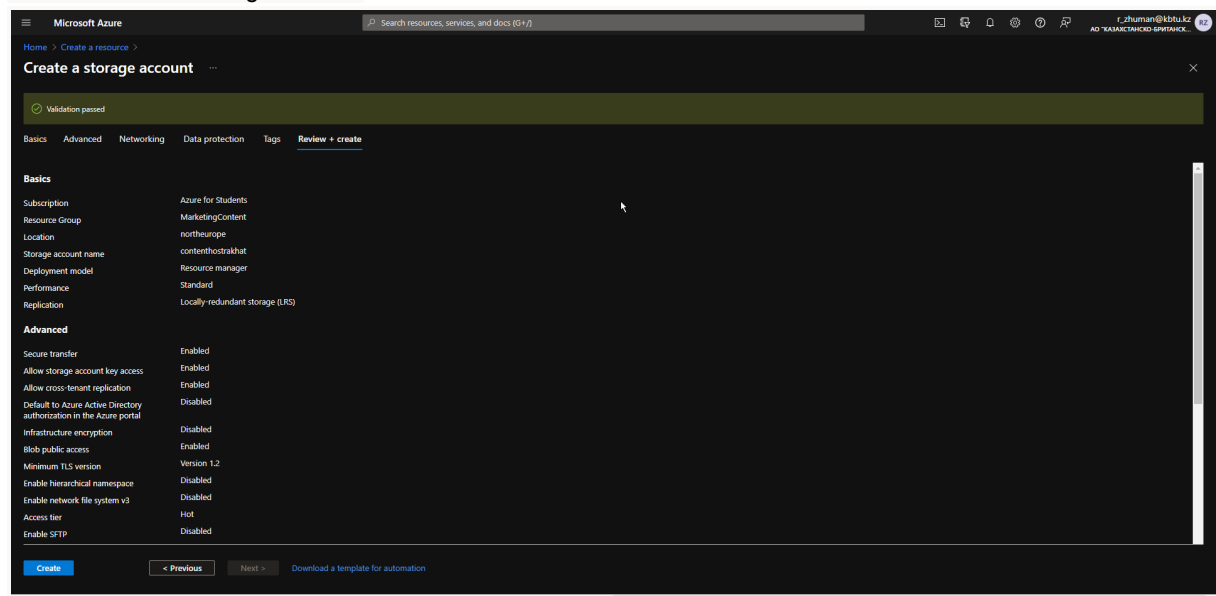
Almaty 2021

## Exercise 1: Creating an Azure App Service resource by using a Docker container image

### Task 1: Open the Azure portal

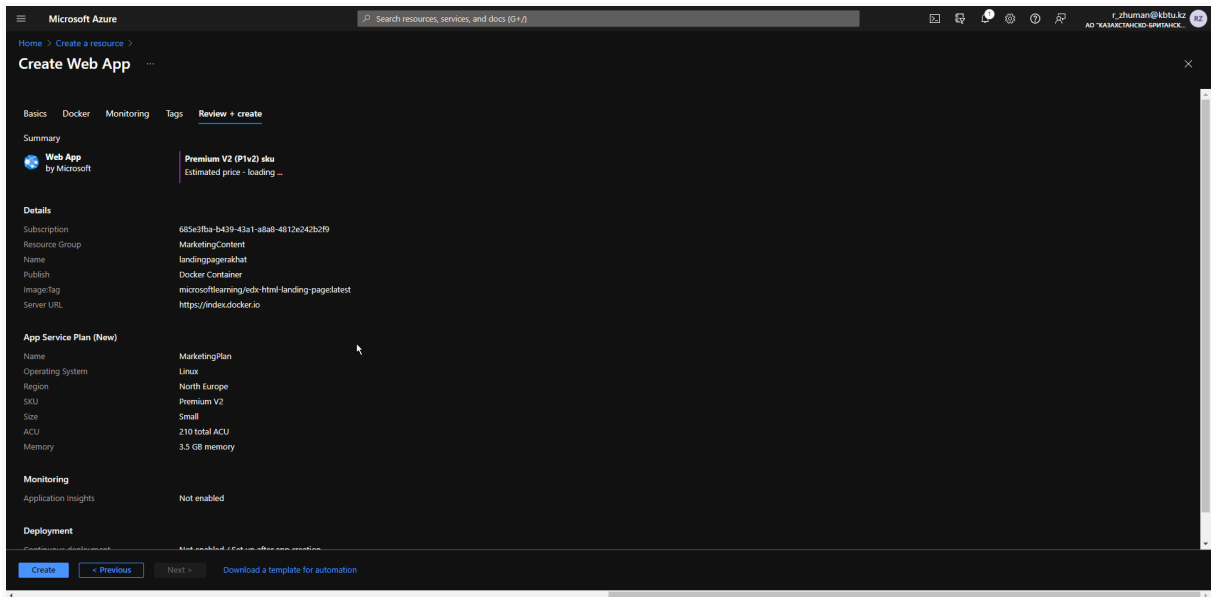


### Task 2: Create a Storage account



### Task 3: Create a web app by using Azure App Service

<http://landingpagerakhat.azurewebsites.net/>



## Exercise 2: Configure Content Delivery Network and endpoints

### Task 1: Open Azure Cloud Shell

```

pakhut@Azure:~$ az --version
azure-cli                        2.30.0 *
core                            2.30.0 *
telemetry                       1.0.6

Extensions:
ai-examples                    0.2.5
ssh                            0.1.8

Python location '/opt/az/bin/python3'
Extensions directory '/home/pakhut/.azure/cliextensions'
Extensions system directory '/opt/az/lib/python3.6/site-packages/azure-cli-extensions'

Python (linux) 3.6.10 (default, Oct 29 2021, 10:11:23)
[GCC 8.3.0]

Legal docs and information: aka.ms/AzureCliLegal

You have 2 updates available. They will be updated with the next build of Cloud Shell.

Please let us know how we are doing: https://aka.ms/azureclihats
and let us know if you're interested in trying out our newest features: https://aka.ms/CLIUXstudy
pakhut@Azure:~$

```

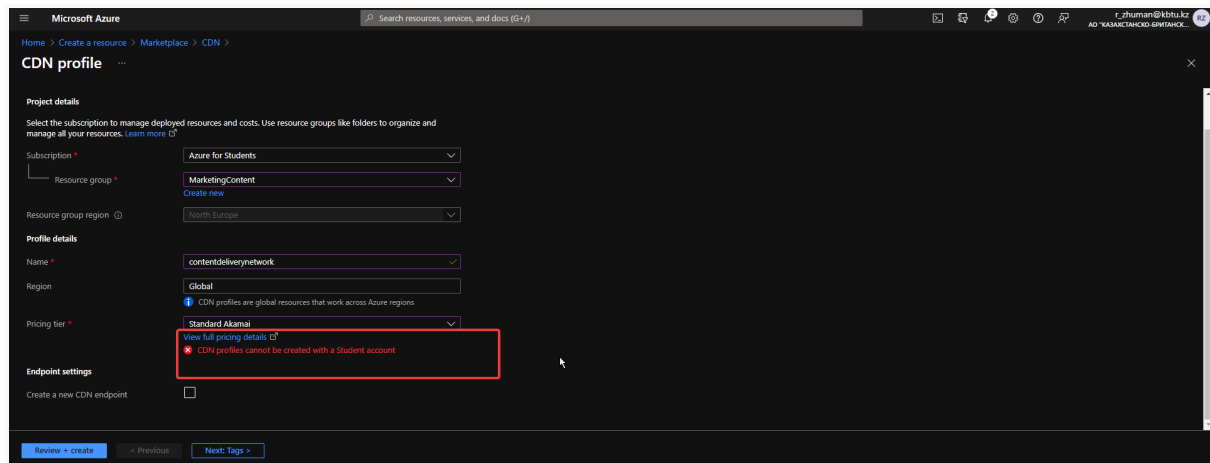
### Task 2: Register the Microsoft.CDN provider

```

"Microsoft.ManagedIdentity",
"Microsoft.ApiManagement",
"Microsoft.AlertManagement",
"Microsoft.Cdn",
"Microsoft.Custodian",
"Microsoft.PolicyInsights",
"Microsoft.CloudAPQ",
"Crypteron.DataSecurity",
"Dynatrace.Observability",
"Microsoft.AAD",
"microsoft.aadiam",
"Microsoft.Addons",
"Microsoft.AbiHealthService",
"Microsoft.AgFoodPlatform",
"Microsoft.AnalysisServices",
"Microsoft.Anybuild",
"Microsoft.AppAssessment",
"Microsoft.AppConfiguration",
"Microsoft.AppPlatform",
"Microsoft.Attestation",
"Microsoft.Authorization",
"Microsoft.Automate",
"Microsoft.Automation",
"Microsoft.AutonomousDevelopmentPlatform",
"Microsoft.AutonomousSystem",
"Microsoft.AVS",
"Microsoft.AzureActiveDirectory",
"Microsoft.AzureData",

```

### Task 3: Create a Content Delivery Network profile



Task 4: Configure Storage containers

Task 5: Create Content Delivery Network endpoints

Exercise 3: Upload and configure static web content

Task 1: Observe the landing page

Task 2: Upload Storage blobs

Task 3: Configure Web App settings

Task 4: Validate the corrected landing page

Exercise 4: Use Content Delivery Network endpoints

Task 1: Retrieve endpoint Uniform Resource Identifiers (URIs)

Task 2: Test multimedia content by using the CDN

Task 3: Update the Web App settings

Task 4: Test the web content

Exercise 5: Clean up your subscription

Task 2: Delete a resource group