

# Cloud Development, 2021 fall. Final

Report

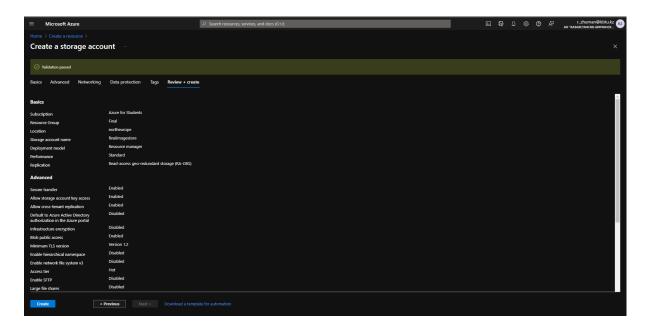
made by Zhuman Rakhat

#### **Tasks**

- A console application, which lets a user to save files (images) to an Azure Blob Storage
- Azure Storage Account, having a blob container, where files (images) saved from the console application will be stored.
- Function that will track the container in the storage account and save smaller versions of newly appeared files (images) to another container.
- Azure Cosmos DB, containing information about newly uploaded images (it has to be a Database named ImagesDB with a container ImagesInfo, each item has to be a JSON document, containing information about the image id, name and path)

### Report

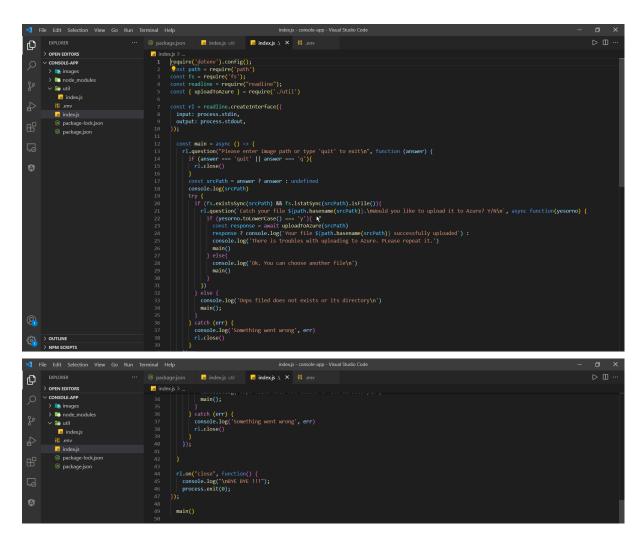
## **Create Storage Account**



#### Get credentials to connect



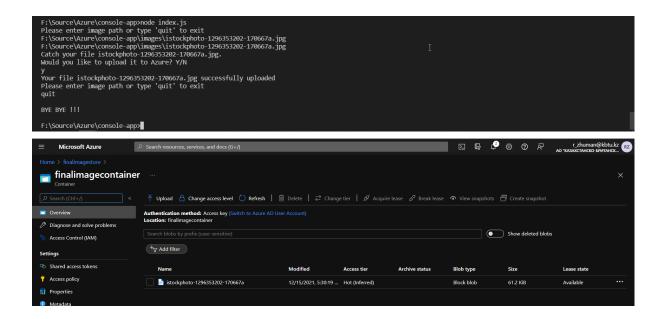
Create console app (there is difficult to create console app in Node JS, unless Python or C#, please be kinder)



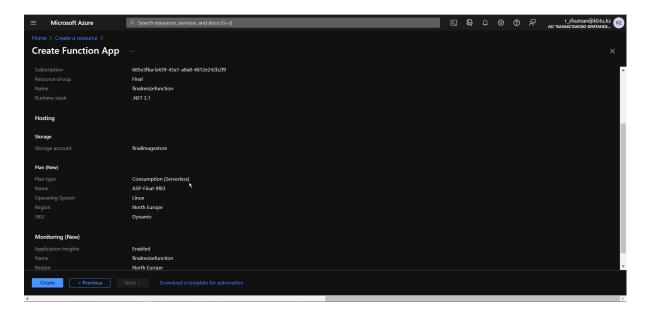
## **Function to upload Azure**

```
| File | Edit | Selection | View | Go | Run | Terminal | Help | Indexig: A | H | env | Indexig: A | Indexig: A
```

#### Result



# **Create Function App**



## Update keys in HW1 with new credentials from storage account

## **Publish function app**

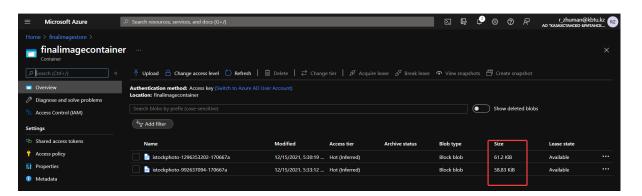
## Upload new image

```
F:\Source\Azure\console-app>node index.js
Please enter image path or type 'quit' to exit
F:/Source/Azure/console-app/images/istockphoto-992637094-170667a.jpg
F:/Source/Azure/console-app/images/istockphoto-992637094-170667a.jpg
Catch your file istockphoto-992637094-170667a.jpg.
Would you like to upload it to Azure? Y/N

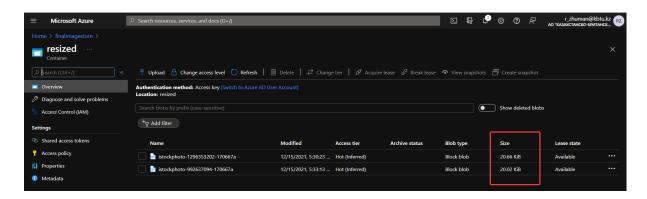
Y
Your file istockphoto-992637094-170667a.jpg successfully uploaded
Please enter image path or type 'quit' to exit
quit

BYE BYE !!!
F:\Source\Azure\console-app>
```

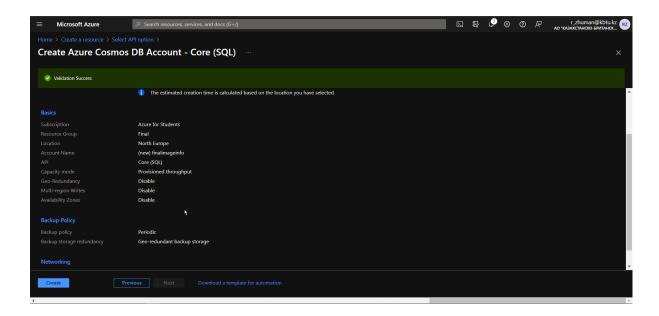
## Origin



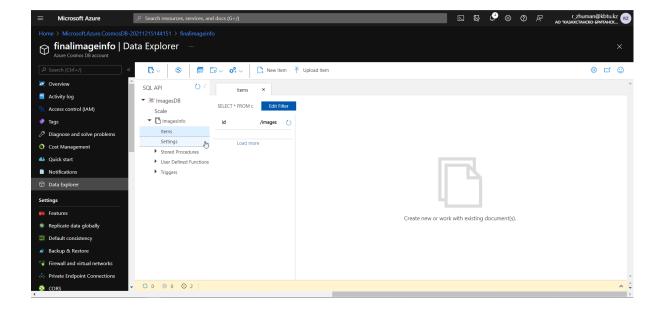
#### Resized



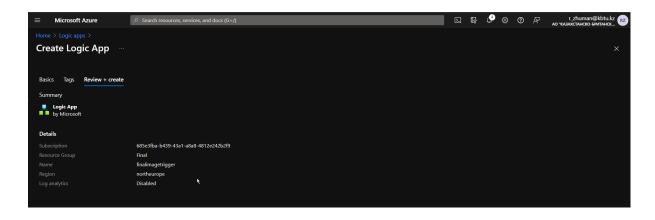
#### **Create Azure Cosmos DB Account**



#### **Create Database and Container**

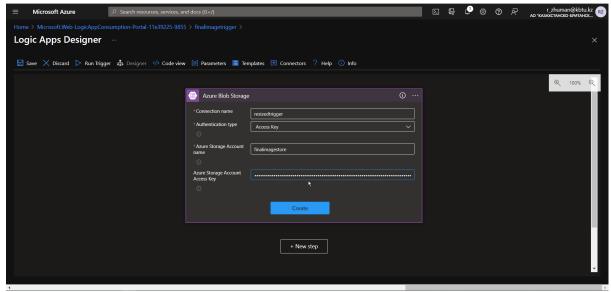


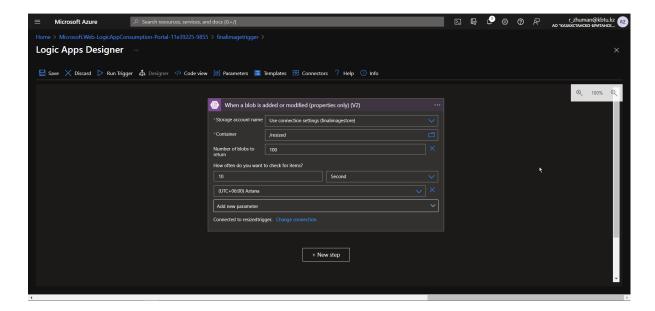
## **Create Logic App**



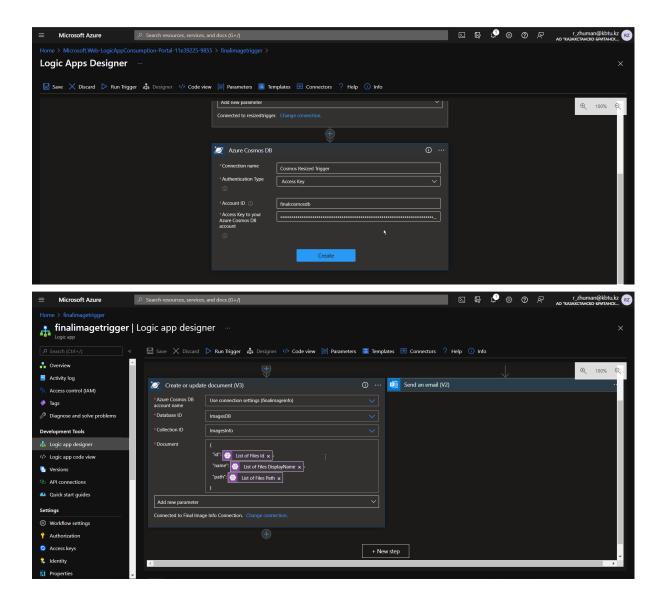
# **Design Logic App**

# **Configure container settings**

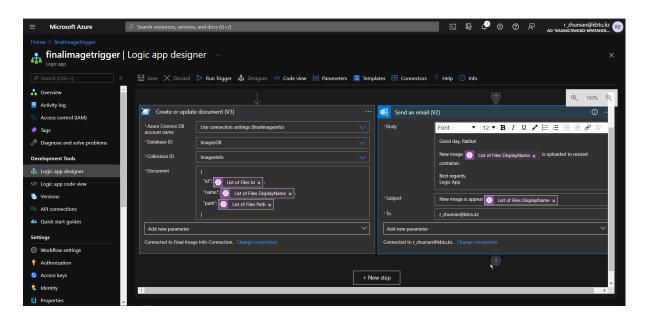




**Create and configure Cosmos DB settings** 

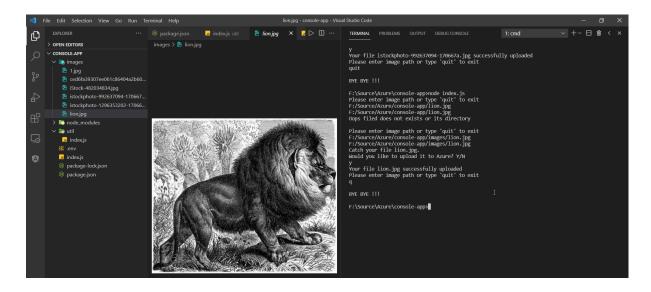


## **Create and config Outlook settings**

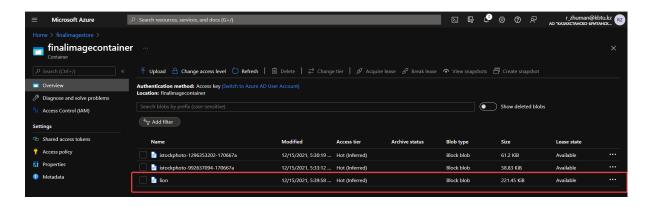


#### **Tests**

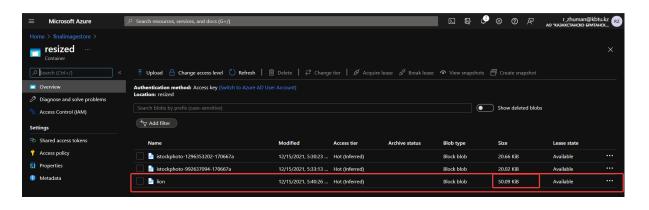
# Upload image via console app



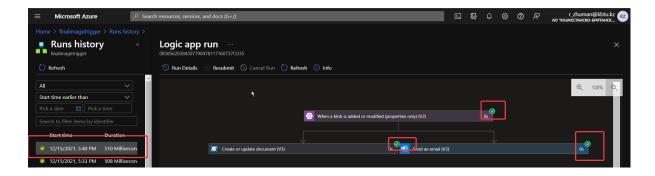
#### Check in blob container



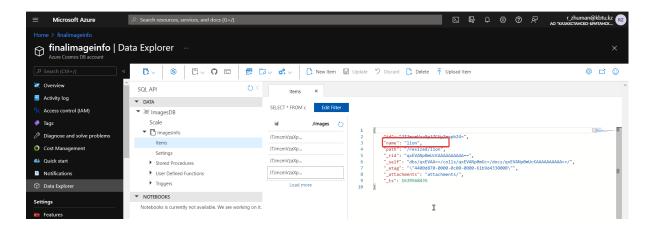
## Check is function resized image



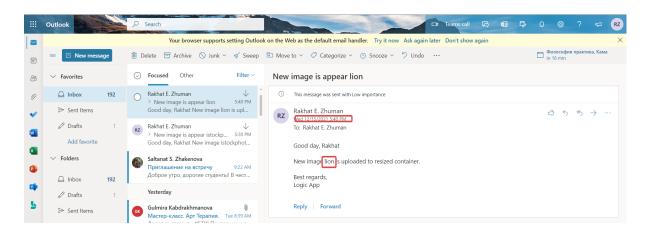
Check is trigger success



#### **Check record in Cosmos DB**



#### **Check Outlook**



#### Tests ended successfully!

## Clean up subscription

```
Bash V O ? © The 'th' O D

Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI +
Type "help" to learn about Cloud Shell

rakhat@Azure:-$ az group delete --name Final --no-wait --yes rakhat@Azure:-$
```