

Module 5 Functions and Storage

Robert Slufarski

- Building and deploying Petstore App
- Creating storage account
- Creating empty container for Orders

```
robertslufarski@MacBook-Pro-Robert petstoreorderservice % echo "West EU resource group creation"
az group create -l westeurope -n azure-training-robert-rg
echo "Registry creation"
az acr create --name azuretrainingrobertregistry --resource-group azure-training-robert-rg --sku standard --admin-enabled true
echo "Register docker image into Azure registry, petstoreapp"
cd ~/workspace/cloudx-java-azure-dev/petstore/petstoreapp
az acr build --file Dockerfile --registry azuretrainingrobertregistry --resource-group azure-training-robert-rg --image petstoreapp .
echo "Register docker image into Azure registry, petstoreproductservice"
cd ../petstoreproductservice
az acr build --file Dockerfile --registry azuretrainingrobertregistry --resource-group azure-training-robert-rg --image petstoreproductservice .
echo "Register docker image into Azure registry, petstoreorderservice"
cd ../petstoreorderservice
az acr build --file Dockerfile --registry azuretrainingrobertregistry --resource-group azure-training-robert-rg --image petstoreorderservice .
echo "Register docker image into Azure registry, petstorepetservice"
cd ../petstorepetservice
az acr build --file Dockerfile --registry azuretrainingrobertregistry --resource-group azure-training-robert-rg --image petstorepetservice .
echo "App Service plan for Linux creation"
az appservice plan create -g azure-training-robert-rg -n azure-training-robert-P0V3-plan -l westeurope --is-linux --sku P0V3
echo "App service creation, petstorepetservice"
az webapp create -g azure-training-robert-rg -p azure-training-robert-P0V3-plan -n azuretrainingrobertpetservice -i azuretrainingrobertregistry.azurecr.io/petstorepetservice:latest
echo "App service creation, petstoreorderservice"
az webapp create -g azure-training-robert-rg -p azure-training-robert-P0V3-plan -n azuretrainingrobertorderservice -i azuretrainingrobertregistry.azurecr.io/petstoreorderservice:latest
echo "App service creation, petstoreproductservice"
az webapp create -g azure-training-robert-rg -p azure-training-robert-P0V3-plan -n azuretrainingrobertproductservice -i azuretrainingrobertregistry.azurecr.io/petstoreproductservice:latest
echo "App service creation, petstorepetapp"
az webapp create -g azure-training-robert-rg -p azure-training-robert-P0V3-plan -n azuretrainingrobertpetapp -i azuretrainingrobertregistry.azurecr.io/petstoreapp:latest
echo "US version creation"
az group create -l eastus -n azure-training-robert-rg-us
az appservice plan create -g azure-training-robert-rg-us -n azure-training-robert-P0V3-plan-us -l eastus --is-linux --sku P0V3
az webapp create -g azure-training-robert-rg-us -p azure-training-robert-P0V3-plan-us -n azuretrainingrobertpetservice-us -i azuretrainingrobertregistry.azurecr.io/petstorepetservice:latest
az webapp create -g azure-training-robert-rg-us -p azure-training-robert-P0V3-plan-us -n azuretrainingrobertorderservice-us -i azuretrainingrobertregistry.azurecr.io/petstoreorderservice:latest
az webapp create -g azure-training-robert-rg-us -p azure-training-robert-P0V3-plan-us -n azuretrainingrobertproductservice-us -i azuretrainingrobertregistry.azurecr.io/petstoreproductservice:latest
az webapp create -g azure-training-robert-rg-us -p azure-training-robert-P0V3-plan-us -n azuretrainingrobertpetapp-us -i azuretrainingrobertregistry.azurecr.io/petstoreapp:latest
echo "Traffic manager creation"
az network traffic-manager profile create -g azure-training-robert-rg -n azure-training-robert-trafficmng --routing-method Performance --unique-dns-name azure-training-robert-webapp --path "/"
az network traffic-manager endpoint create -g azure-training-robert-rg --profile-name azure-training-robert-trafficmng -n azuretrainingrobertEU --type azureEndpoints --target-resource-id "/subscriptions/2b8b6ab0-b73e-42a5-9ff7-44abf92d6714/resourceGroups/azure-training-robert-rg/providers/Microsoft.Web/sites/azuretrainingrobertpetapp" --endpoint-status enabled
az network traffic-manager endpoint create -g azure-training-robert-rg --profile-name azure-training-robert-trafficmng -n azuretrainingrobertUS --type azureEndpoints --target-resource-id "/subscriptions/2b8b6ab0-b73e-42a5-9ff7-44abf92d6714/resourceGroups/azure-training-robert-rg-us/providers/Microsoft.Web/sites/azuretrainingrobertpetapp-us" --endpoint-status enabled
echo "New App Insight creation"
az monitor app-insights component create --app azuretrainingrobertpetapp --location westeurope --kind web -g azure-training-robert-rg --application-type web --retention-time 120
az monitor app-insights component create --app azuretrainingrobertpetapp-us --location eastus --kind web -g azure-training-robert-rg-us --application-type web --retention-time 120
```

```
[robertslufarski@MacBook-Pro-Robert petstorepetservice % az storage account create --kind StorageV2 --resource-group azure-training-robert-rg --location westeurope --name petappstoragerobert
The public access to all blobs or containers in the storage account will be disallowed by default in the future, which means default value for --allow-blob-public-access is still null but will be equivalent to false.
{
  "accessTier": "Hot",
  "allowBlobPublicAccess": true,
  "allowCrossTenantReplication": null,
  "allowSharedKeyAccess": null,
  "allowedCopyScope": null,
  "azureFilesIdentityBasedAuthentication": null,
  "blobRestoreStatus": null,
  "creationTime": "2023-06-19T15:20:25.639457+00:00",
  "customDomain": null,
  "defaultToOAuthAuthentication": null,
  "dnsEndpointType": null,
  "enableHttpsTrafficOnly": true,
  "enableNfsV3": null,
  "encryption": {
    "encryptionIdentity": null,
    "keySource": "Microsoft.Storage",
    "keyVaultProperties": null,
    "requireInfrastructureEncryption": null,
    "services": {
      "blob": {
        "enabled": true,
        "keyType": "Account",
        "lastEnabledTime": "2023-06-19T15:20:25.795578+00:00"
      },
      "file": {
        "enabled": true,
        "keyType": "Account",
        "lastEnabledTime": "2023-06-19T15:20:25.795578+00:00"
      },
      "queue": null,
      "table": null
    }
  },
  "extendedLocation": null,
  "failoverInProgress": null,
  "geoReplicationStats": null,
  "id": "/subscriptions/2b8b6ab0-b73e-42a5-9ff7-44abf92d6714/resourceGroups/azure-training-robert-rg/providers/Microsoft.Storage/storageAccounts/petappstoragerobert",
  "identity": null,
  "immutableStorageWithVersioning": null,
  "isHnsEnabled": null,
  "isLocalUserEnabled": null,
}
```

```
[robertslufarski@MacBook-Pro-Robert petstorepetservice % az storage container create -n orders --account-name petappstoragerobert
```

There are no credentials provided in your command and environment, we will query for account key for your storage account.
It is recommended to provide --connection-string, --account-key or --sas-token in your command as credentials.

You also can add `--auth-mode login` in your command to use Azure Active Directory (Azure AD) for authorization if your login account is assigned required RBAC roles.
For more information about RBAC roles in storage, visit <https://docs.microsoft.com/azure/storage/common/storage-auth-aad-rbac-cli>.

In addition, setting the corresponding environment variables can avoid inputting credentials in your command. Please use --help to get more information about environment variable usage.

```
{  
  "created": true  
}
```

```
robertslufarski@MacBook-Pro-Robert petstorepetservice %
```

Microsoft Azure

Search resources, services, and docs (G+/-)

Home > Resource groups > azure-training-robert-rg > petappstoragerobert

petappstoragerobert | Containers

Storage account

Containers

Search

+ Container

Change access level

Restore containers

Refresh

Delete

Give feedback

Search containers by prefix

Show deleted containers

Name	Last modified	Public access level	Lease state
orders	6/19/2023, 5:21:18 PM	Private	Available

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Azure CDN

Access keys

Shared access signature

Robert_Slufarski@epam...
EPAM

- Creating new Function - configuration
- \$AZ_STORAGE_CONNECTION_STRING - environment param
- BlobStorage class implementation
- Function implementation
- Azure Function build and deployment

BlobStorage.java — Untitled (Workspace)

EXPLORER

UNTITLED (WORKSPACE)

- > Azure training
- < cloudx-java-azure-dev
 - < petstore
 - < orderitemsreserver
 - < src / main / java / com / chtrembl / pets...
 - < function
 - J Function.java
 - < service

- J BlobStorage.java
- J Storage.java
- > target
- { host.json
- { local.settings.json
- pom.xml
- > petstoreapp
- > petstoreorderservice
- > petstorepetservice
- > petstoreproductservice
- \$ setup.sh
- ↳ .gitignore
- ❶ README.md

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OUTLINE

TIMELINE

AZURE STORAGE

JAVA PROJECTS

MAVEN

main ↵ 151 ▲ 67 ① 26

Ln 47, Col 1 Spaces: 4 UTF-8 LF ⚡ Java ⌂

Very complicated code. Please insert your own

robertslufarski@MacBook-Pro-Robert petstorepetservice % export AZ_STORAGE_CONNECTION_STRING=\$(az storage account show-connection-string --name petappstoragerobert --resource-group azure-training-robert-rg --output tsv)
robertslufarski@MacBook-Pro-Robert petstorepetservice %

BlobStorage.java — Untitled (Workspace)

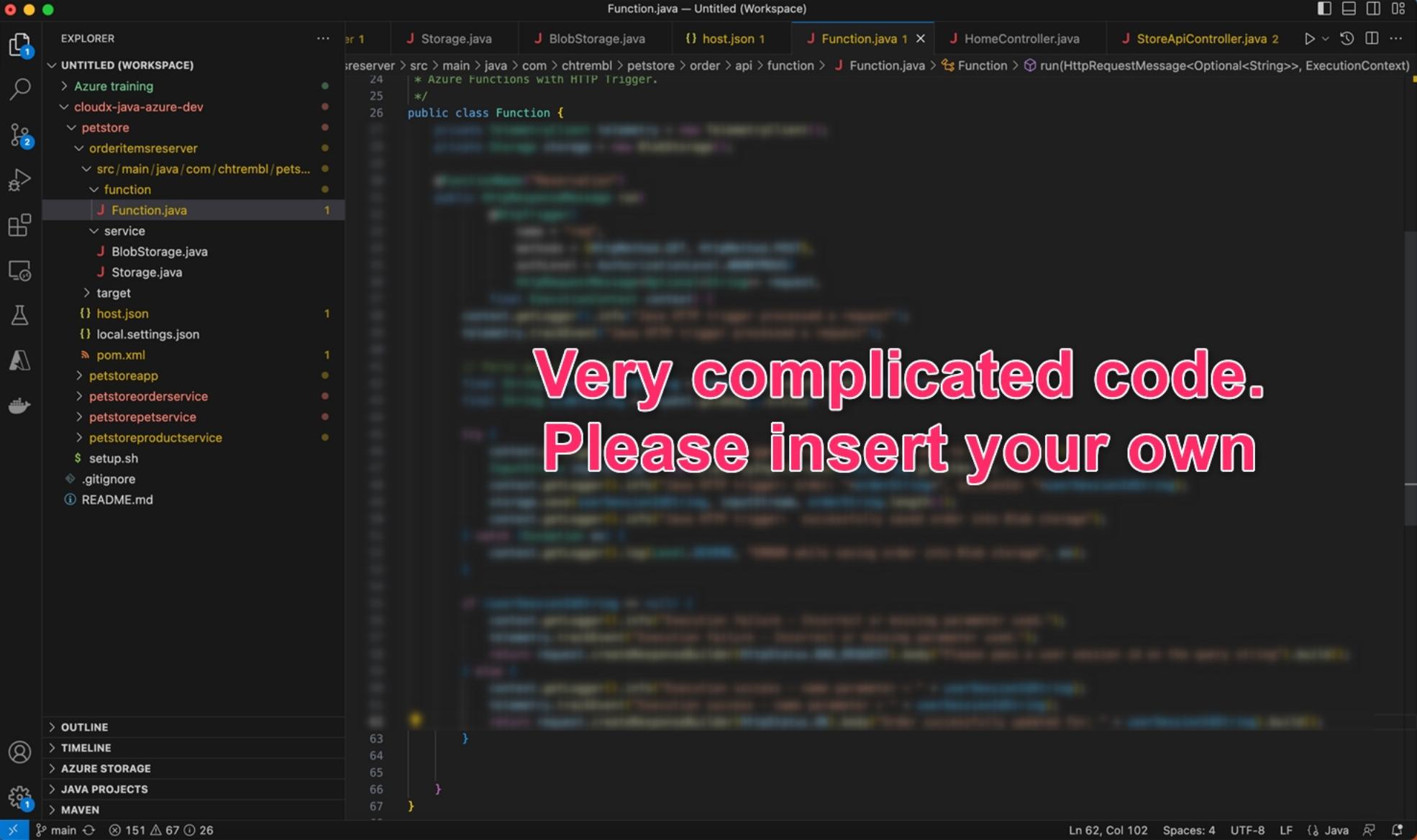
EXPLORER

- UNTITLED (WORKSPACE)
 - Azure training
 - clouxdx-java-azure-dev
 - petstore
 - orderitemsreserver
 - src/main/java/com/chtrembl/pets...
 - function
 - J Function.java
 - service
- J BlobStorage.java
- J Storage.java
- > target
- { host.json
- { local.settings.json
- pom.xml
- > petstoreapp
- > petstoreorderservice
- > petstorepetservice
- > petstoreproductservice
- \$ setup.sh
- ↳ .gitignore
- ❶ README.md

cloudx-java-azure-dev > petstore > orderitemsreserver > src > main > java > com > chtrembl > petstore > order > api > service > J BlobStorage.java > BlobStorage

Very complicated code.
Please insert your own

Ln 47, Col 1 Spaces: 4 UTF-8 LF ⚙ Java ⚙



```
● ○ ● petstorepetservice — java -classpath /Library/apache-maven-3.8.6/boot/plexus-classworlds-2.6.0.jar -Dclassworlds.conf=/Library/apache-maven-3.8.6/bin/m2.conf -Dmaven.home=/Library/apache-maven-3.8.6 -Dlibrary.j...  
robertslufarski@MacBook-Pro-Robert petstorepetservice % cd ~/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver  
[mvn clean package azure-functions:deploy  
[INFO] Scanning for projects...  
[INFO]  
[INFO] -----< azure-training-robert-rg:orderitemsreserver-robert >-----  
[INFO] Building Azure Java Functions 1.0-SNAPSHOT  
[INFO] -----[ jar ]-----  
[INFO]  
[INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ orderitemsreserver-robert ---  
[INFO] Deleting /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target  
[INFO]  
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ orderitemsreserver-robert ---  
[INFO] Using 'UTF-8' encoding to copy filtered resources.  
[INFO] skip non existing resourceDirectory /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/src/main/resources  
[INFO]  
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ orderitemsreserver-robert ---  
[INFO] Changes detected - recompiling the module!  
[INFO] Compiling 3 source files to /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/classes  
[INFO]  
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ orderitemsreserver-robert ---  
[INFO] Using 'UTF-8' encoding to copy filtered resources.  
[INFO] skip non existing resourceDirectory /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/src/test/resources  
[INFO]  
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ orderitemsreserver-robert ---  
[INFO] No sources to compile  
[INFO]  
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ orderitemsreserver-robert ---  
[INFO] No tests to run.  
[INFO]  
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ orderitemsreserver-robert ---  
[INFO] Building jar: /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/orderitemsreserver-robert-1.0-SNAPSHOT.jar  
[INFO]  
[INFO] --- azure-functions-maven-plugin:1.24.0:package (package-functions) @ orderitemsreserver-robert ---  
[INFO] Java home : /Library/Java/JavaVirtualMachines/jdk-11.0.16.jdk/Contents/Home  
[INFO] Artifact compile version : 11  
[INFO]  
[INFO] Step 1 of 8: Searching for Azure Functions entry points  
[INFO] Reflections took 759 ms to scan 42 urls, producing 47 keys and 4752 values  
[INFO] 1 Azure Functions entry point(s) found.  
[INFO]  
[INFO] Step 2 of 8: Generating Azure Functions configurations  
[INFO] Generation done.  
[INFO]  
[INFO] Step 3 of 8: Validating generated configurations  
[INFO] Validation done.  
[INFO]  
[INFO] Step 4 of 8: Copying/creating host.json  
[INFO] Successfully saved to /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/azure-functions/orderitemsreserver-robert/host.json  
[INFO]  
[INFO] Step 5 of 8: Copying/creating local.settings.json  
[INFO] Successfully saved to /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/azure-functions/orderitemsreserver-robert/local.settings.json  
[INFO]  
[INFO] Step 6 of 8: Saving configurations to function.json  
[INFO] Starting processing function: Reservation  
[INFO] Successfully saved to /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/azure-functions/orderitemsreserver-robert/Reservation/function.json  
[INFO]  
[INFO] Step 7 of 8: Copying JARs to staging directory /Users/robertslufarski/workspace/cloudx-java-azure-dev/petstore/orderitemsreserver/target/azure-functions/orderitemsreserver-robert  
[INFO] Copied successfully.  
[INFO] Step 8 of 8: Installing function extensions if needed  
[INFO] Extension bundle specified, skip install extension  
[INFO] Successfully built Azure Functions.
```

- OrderItemsReserver function test
- Postman test
- Postman test passed :)

All services >

Function App

EPAM

 Create  Manage view  Refresh  Export to CSV  Open query  Assign tags  Start  Restart  Stop  Delete

Filter for any field...

Subscription equals all

Resource group equals all

Location equals all

 Add filter

No grouping

 List view



<input type="checkbox"/> Name ↑↓	Status ↑↓	Location ↑↓	Pricing Tier ↑↓	App Service Plan ↑↓	Subscription ↑↓	App Type ↑↓	...
 orderitemsreserver-robert	Running	West Europe	Premium V3	 azure-training-robert-P0V3-plan	Subskrypcja programu Visual...	Function App	...

! An update has been downloaded for Postman. Restart now to install the update.

Restart

X

Working locally in Scratch Pad. [Switch to a Workspace](#)

X

Scratch Pad

New Import

Overview

POST http://

POST http://

GET https://

GET https://az

GET https://az

GET https://az

POST https://

POST https://

+

...

No Environment

▼

≡



Collections



...

aws

POST http://3.249.156.236:3306/ima...

azure

GET https://azurereainingrobertpet...

GET https://azurereainingrobertprod...

GET https://azurereainingrobertorde...

Mock Servers



Monitors



History

https://orderitemsreserver-robert.azurewebsites.net/api/reservation?name=7C6F9E3D1A370C0E7ED460D092C9D818

Save

Edit

Copy

</>

POST

https://orderitemsreserver-robert.azurewebsites.net/api/reservation?name=7C6F9E3D1A370C0E7ED460D092C9D818

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL JSON

Beautify

```
1 {"id": "7C6F9E3D1A370C0E7ED460D092C9D818", "email": null, "products": [{"id": 1, "quantity": 2, "name": null, "photoURL": null}], "shipDate": null, "tags": null, "status": null, "complete": false}
```

Body

Cookies

Headers (5)

Test Results



Status: 200 OK

Time: 1939 ms Size: 274 B

Save Response

Pretty

Raw

Preview

Visualize

Text



Q

1 Order successfully updated for: 7C6F9E3D1A370C0E7ED460D092C9D818



Find and Replace



Console

Runner

Trash

?

 orders

Container

 Search

Upload



Change access level

 Overview Diagnose and solve problems Access Control (IAM) Settings Shared access tokens Access policy Properties Metadata

Upload



Change access level

**Authentication method:** Access key ([Switch to Azure AD User Account](#))**Location:** orders

Search blobs by prefix (case-...)

 Show deleted blobs Add filter

Name

  7C6F9E3D1A370C0E7ED460D... 

7C6F9E3D1A370C0E7ED460D092C9D818



Blob



Save



Discard



Download



Refresh



Delete

Overview

Versions

Snapshots

Edit

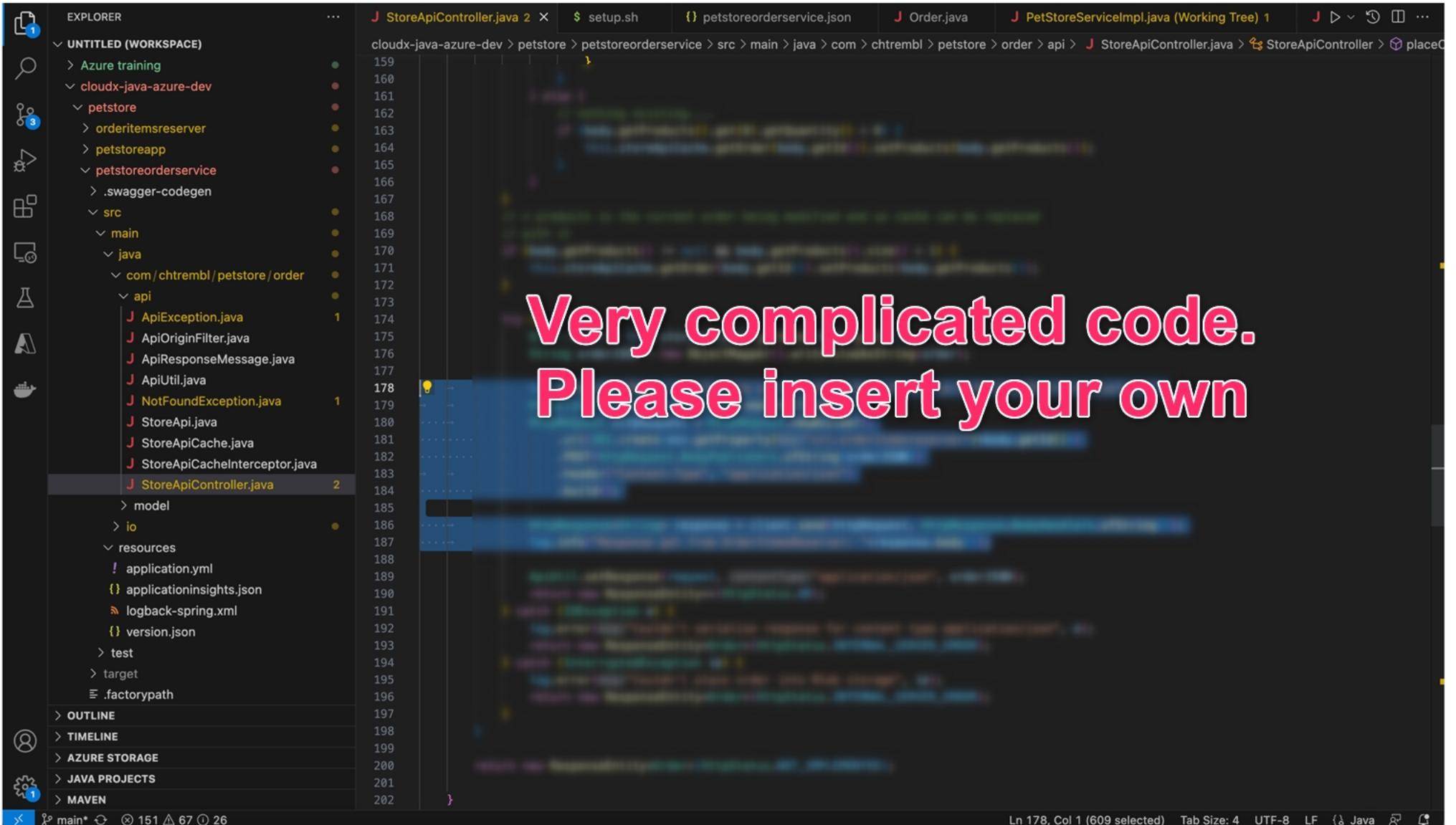
Generate SAS

 The file '7C6F9E3D1A370C0E7ED460D092C9D818' may not render correctly as it contains an unrecognized extension.

1 {"id":"7C6F9E3D1A370C0E7ED460D092C9D818","email":null,"products":[{"id":1,"quantity":2,"name":null,"photoURL":null}]}

 Preview

- Applied some changes inside `StoreApiController.placeOrder()` to make an HTTP call to the Function



- Final tests:
 - New session -
DB96DCF16CF60F9CF76719CE
5BFAAAA8
 - First item added to cart
 - Successfully stored in Blob storage
 - Updated no of items to 5
 - Successfully updated to 5 in the storage



© 2023 Azure Pet Store
container:
169.254.130.2/201138810d1b
version:
unknown
date:
unknown
session:
DB96DCF16CF60F9CF76719CE5BFAAAA8

Dog Products
[Shop by breeds](#)

Cat Products
[Shop by breeds](#)

Fish Products
[Shop by breeds](#)



Hi Guest, Welcome to the Azure Pet Store



Shopping Cart Summary

You need to login before placing your order

Product ID	Description	Product Name	Quantity
1			<div>- 1 +</div>

© 2023 Azure Pet Store
container:
169.254.130.2/201138810d1b
version:
unknown
date:
unknown
session:
DB96DCF16CF60F9CF76719

Dog Product

Shop by breeds

Cat Products

[Shop by breeds](#)

Fish Products

Shop by breeds

 orders

Container

»  Upload  Change access level ...**Authentication method:** Access key ([Switch to Azure AD User Account](#))**Location:** orders

Search blobs by prefix (case-...)

 Show deleted blobs

Name

  7C6F9E3D1A370C0E7ED460D... ...  DB96DCF16CF60F9CF76719CE... ...

DB96DCF16CF60F9CF76719CE5BFAAAA8

...

Blob

 Save  Discard  Download  Refresh  Delete[Overview](#) [Versions](#) [Snapshots](#) [Edit](#) [Generate SAS](#) The file 'DB96DCF16CF60F9CF76719CE5BFAAAA8' may not render correctly as it contains an unrecognized extension.

```
1  [{"id": "DB96DCF16CF60F9CF76719CE5BFAAAA8", "email": null, "products": [{"id": 1, "quantity": 1, "name": null, "photoURL": null}], "shipDate": null, "tags": null}]
```

 Preview



Hi Guest, Welcome to the Azure Pet Store!



Shopping Cart Summary

You need to login before placing your order

Product ID	Description	Product Name	Quantity
1			<input type="button" value="-"/> 5 <input type="button" value="+"/>

© 2023 Azure Pet Store
container:
169.254.130.2/201138810d1b
version:
unknown
date:
unknown
session:
DB96DCF16CF60F9CF76719CE5BFAAAA8

Dog Products
[Shop by breeds](#)

Cat Products
[Shop by breeds](#)

Fish Products
[Shop by breeds](#)

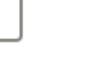
 **orders** 

Container

»  Upload  Change access level ...

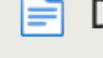
Authentication method: Access key ([Switch to Azure AD User Account](#))

Location: orders

Search blobs by prefix (case-...) 

Show deleted blobs

 Add filter

Name
<input type="checkbox"/>  7C6F9E3D1A370C0E7ED460D... ...
<input checked="" type="checkbox"/>  DB96DCF16CF60F9CF76719CE... ...

DB96DCF16CF60F9CF76719CE5BFAAAA8

...

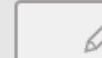
Blob

 Save  Discard  Download  Refresh  Delete

[Overview](#) [Versions](#) [Snapshots](#) [Edit](#) [Generate SAS](#)

 The file 'DB96DCF16CF60F9CF76719CE5BFAAAA8' may not render correctly as it contains an unrecognized extension.

```
1 {"id": "DB96DCF16CF60F9CF76719CE5BFAAAA8", "email": null, "products": [{"id": 1, "quantity": 5, "name": null, "photoURL": null}], "shipDate": null, "tags": null}
```

  Preview

- More tests ;)
- Removed items from cart
- Working fine
- Added more items
- Working fine



Hi Guest, Welcome to the Azure Pet Store!



Shopping Cart Summary

You need to login before placing your order

You're shopping cart is empty, add some products!

© 2023 Azure Pet Store
container:
169.254.130.2/201138810d1b
version:
unknown
date:
unknown
session:
DB96DCF16CF60F9CF76719CE5BFAAAA8

Dog Products

[Shop by breeds](#)

Cat Products

[Shop by breeds](#)

Fish Products

[Shop by breeds](#)

Microsoft Azure Search resources, services, and docs (G+/-) 1 ? 👤 Robert_Slufarski@epam... EPAM

All services > Storage accounts > petappstoragerobert | Containers > orders >

orders Container

Upload Change access level ...

Authentication method: Access key ([Switch to Azure AD User Account](#))

Location: orders

Search blobs by prefix (case-...)

Show deleted blobs

Add filter +
Filter

Name
<input type="checkbox"/> 7C6F9E3D1A370C0E7ED460D... ...
<input type="checkbox"/> DB96DCF16CF60F9CF76719CE... ...

DB96DCF16CF60F9CF76719CE5BFAAAA8

Blob

Save Discard Download Refresh Delete

Overview Versions Snapshots **Edit** Generate SAS

⚠ The file 'DB96DCF16CF60F9CF76719CE5BFAAAA8' may not render correctly as it contains an unrecognized extension.

```
1 {"id": "DB96DCF16CF60F9CF76719CE5BFAAAA8", "email": null, "products": [], "shipDate": null, "tags": null, "status": null, "complete": false}
```

▼ Preview



Hi Guest, Welcome to the Azure Pet Store!



Shopping Cart Summary

You need to login before placing your order

Product ID	Description	Product Name	Quantity
9			<input type="button" value="-"/> 2 <input type="button" value="+"/>
4			<input type="button" value="-"/> 1 <input type="button" value="+"/>
11			<input type="button" value="-"/> 1 <input type="button" value="+"/>

 orders

Container

Upload  Change access level ...**Authentication method:** Access key ([Switch to Azure AD User Account](#))**Location:** orders

Search blobs by prefix (case-...)

 Show deleted blobs Add filter

Name

- | | |
|--------------------------|---|
| <input type="checkbox"/> |  7C6F9E3D1A370C0E7ED460D... ... |
| <input type="checkbox"/> |  DB96DCF16CF60F9CF76719CE... ... |

DB96DCF16CF60F9CF76719CE5BFAAAA8

Blob

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```
1  [{"id": "DB96DCF16CF60F9CF76719CE5BFAAAA8", "email": null, "products": [{"id": 9, "quantity": 2, "name": null, "photoURL": null}, {"id": 4, "quantity": 1, "name": null, "photoURL": null}], "orderStatus": "PENDING", "orderType": "REGULAR", "orderDate": "2023-09-15T10:00:00Z", "customer": {"id": 1, "name": "John Doe", "email": "john.doe@example.com", "phone": "+1234567890", "address": "123 Main St, Anytown USA"}, "orderComments": "Customer requested a refund for item #4 due to damage."}]
```

Json

Preview