Introduction

Scenario

Imagine that you recently heard about Azure Spring Cloud, a new managed service for running Spring Cloud apps on Azure. You would like to try it out with a sample Spring application, which already exists, called PiggyMetrics. You are interested in setting up a new service, configuring and deploying PiggyMetrics, and trying out a few other features.

Task 1: Provision the Service

Navigate to the Azure portal: https://ms.portal.azure.com/?microsoft_azure_marketplace_ItemHideKey=AppPlatformExtension#blade/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/selectedMenuItemId/home/searchQuery/spring

Note: If you have an Azure account and are logged into the portal, please use a private browsing window.

Log into the Portal with the following credentials:

- Username: mstest_chpay@outlook.com
- Password: 1234567890MS

Provision a new Azure Spring Cloud (ASC) service with the following details:

- **Name:** *Choose your own*
- **Subscription:** Java Tooling Tests with TTL = 7 Days
- **Resource Group:** rg-usabilitytesting
- **Location:** *Choose your own*

Task 2: Configure your Application

To save time, we have pre-created an Azure Spring Cloud (ASC) service for you called **asc-usabilitytesting.**

In the next few tasks, you will be asked to configure and deploy an application called PiggyMetrics. Application configuration for PiggyMetrics is stored in the following Git repository: https://github.com/xscript/piggymetrics-config.

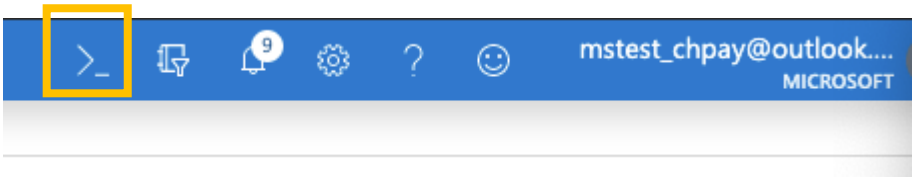
Task: Set up the config server in the **asc-usabilitytesting** service so that the applications read configuration data from the Git repository above.

Task 3 Build and Deploy three Applications

Build and deploy three Azure Spring Cloud applications (gateway, account-service, and auth-service) using the Azure CLI.

3.1

Open the Azure Cloud Shell



Clone git repository by running the following command:

```
git clone https://github.com/xscript/PiggyMetrics
```

Change directory

```
cd PiggyMetrics
```

Note that we have already built the project for you.

Log in to Azure CLI and set your active subscription. Choose the subscription which has been whitelisted & substitute your subscription ID in the following command:

```
# Login to Azure CLI
az login

# List all subscriptions
az account list -o table

# Set active subscription
az account set --subscription <target subscription ID>
```

Configure the default resource group name and service instance name. Substituting your source group name and service instance name in the following commands:

```
az configure --defaults group= rg-usabilitytesting
```

```
az configure --defaults spring-cloud=<service instance name>
```

3.2

Create the gateway application via the Azure Portal UI.

Deploy the gateway application.

```
az spring-cloud app deploy -n gateway --jar-path
./gateway/target/gateway.jar
```

3.3

Create and deploy the account-service and auth-service applications using Azure cloud shell

```
az spring-cloud app create -n account-service
```

```
az spring-cloud app deploy -n account-service --jar-path ./account-
service/target/account-service.jar
```

```
az spring-cloud app create -n auth-service
```

```
az spring-cloud app deploy -n auth-service --jar-path ./auth-
service/target/auth-service.jar
```

Task 4: Restart

Restart the gateway application.

Task 5: Assign a public endpoint

Assign a public endpoint to the gateway application and access that endpoint.

Task 6: Adjust your application's resources

Make it so that the gateway app is running on 3 instances with 3 CPU and 2GB of memory each.