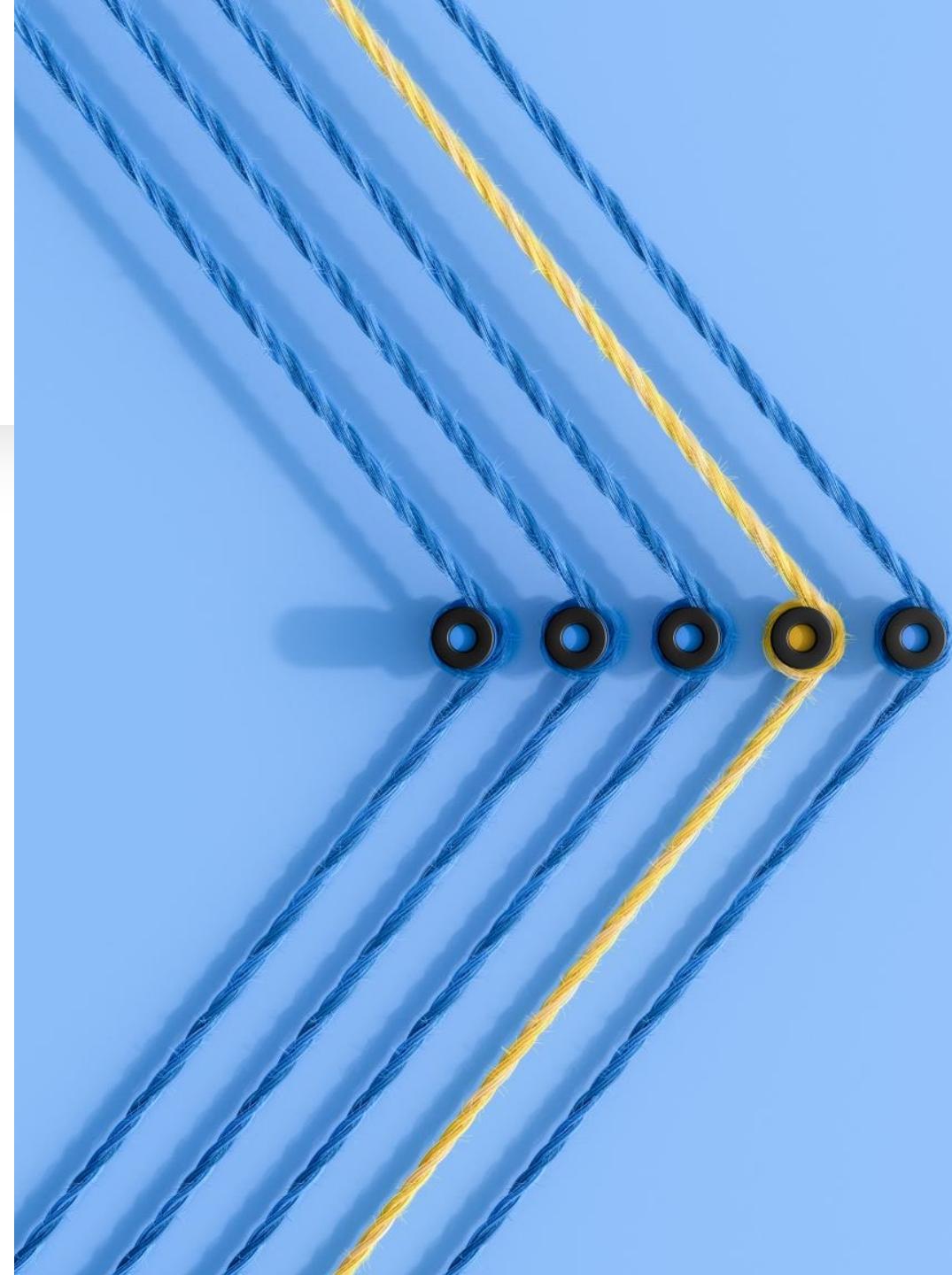


Module 3: App Services

Evidence of the task execution

Set Up Azure Resources

- Screenshot of the Azure portal displaying the creation of the resource group for the PetStoreApp.
- Screenshot of the successful creation of the Azure Container Registry (ACR).
- Screenshots documenting the Docker image build and push process to the ACR.



A Resource groups - Microsoft A x +

https://portal.azure.com/#view/HubsExtension/BrowseRes... Copilot Jegors_Cemisovs@epam.com EPAM

Microsoft Azure Search resources, services, and docs (G+) Home > Resource groups EPAM

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

No grouping List view

Showing 1 to 6 of 6 records.

Name ↑↓	Subscription ↑↓	Location ↑↓
<input type="checkbox"/> cloud-shell-storage-westeurope	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> DefaultResourceGroup-WEU	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> exercism-powershell-rg	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> exercism-rg	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> module3_rg	Visual Studio Professional Subscription	East US
<input type="checkbox"/> piglatin-rg	Visual Studio Professional Subscription	Switzerland North

< Previous Page 1 of 1 Next > Give feedback

Name ↑↓	Subscription ↑↓	Location ↑↓
<input type="checkbox"/> cloud-shell-storage-westeurope	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> DefaultResourceGroup-WEU	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> exercism-powershell-rg	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> exercism-rg	Visual Studio Professional Subscription	West Europe
<input type="checkbox"/> module3_rg	Visual Studio Professional Subscription	East US
<input type="checkbox"/> piglatin-rg	Visual Studio Professional Subscription	Switzerland North

module3_rg - Microsoft Azure

https://portal.azure.com/#@EPAM.onmicrosoft.com/resourcegroups/module3_rg

Microsoft Azure Search resources, services, and docs (G+)

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Home > Resource groups >

module3_rg

Resource group

Search

Create Manage view Delete resource group Refresh Export to CSV Open query

Overview Essentials JSON View

Activity log Access control (IAM) Tags Resource visualizer Events

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 1 of 1 records. Show hidden types No grouping List view

Name ↑	Type ↑	Location ↑
module3acr	Container registry	East US

Deployments Security Deployment stacks Policies Properties

module3acr - Microsoft Azure

https://portal.azure.com/#@EPAM.onmicrosoft.com/resourcegroups/module3_rg/modules/module3acr

Microsoft Azure Search resources, services, and docs (G+)

Copilot Jegors_Cemisovs@epam.com EPAM

Home > Resource groups > module3_rg > module3acr

module3acr | Repositories

Container registry

Search Refresh Manage Deleted Repositories

Settings

- Access keys
- Encryption
- Identity
- Networking
- Microsoft Defender for Cloud
- Properties
- Locks

Services

- Repositories
- Webhooks

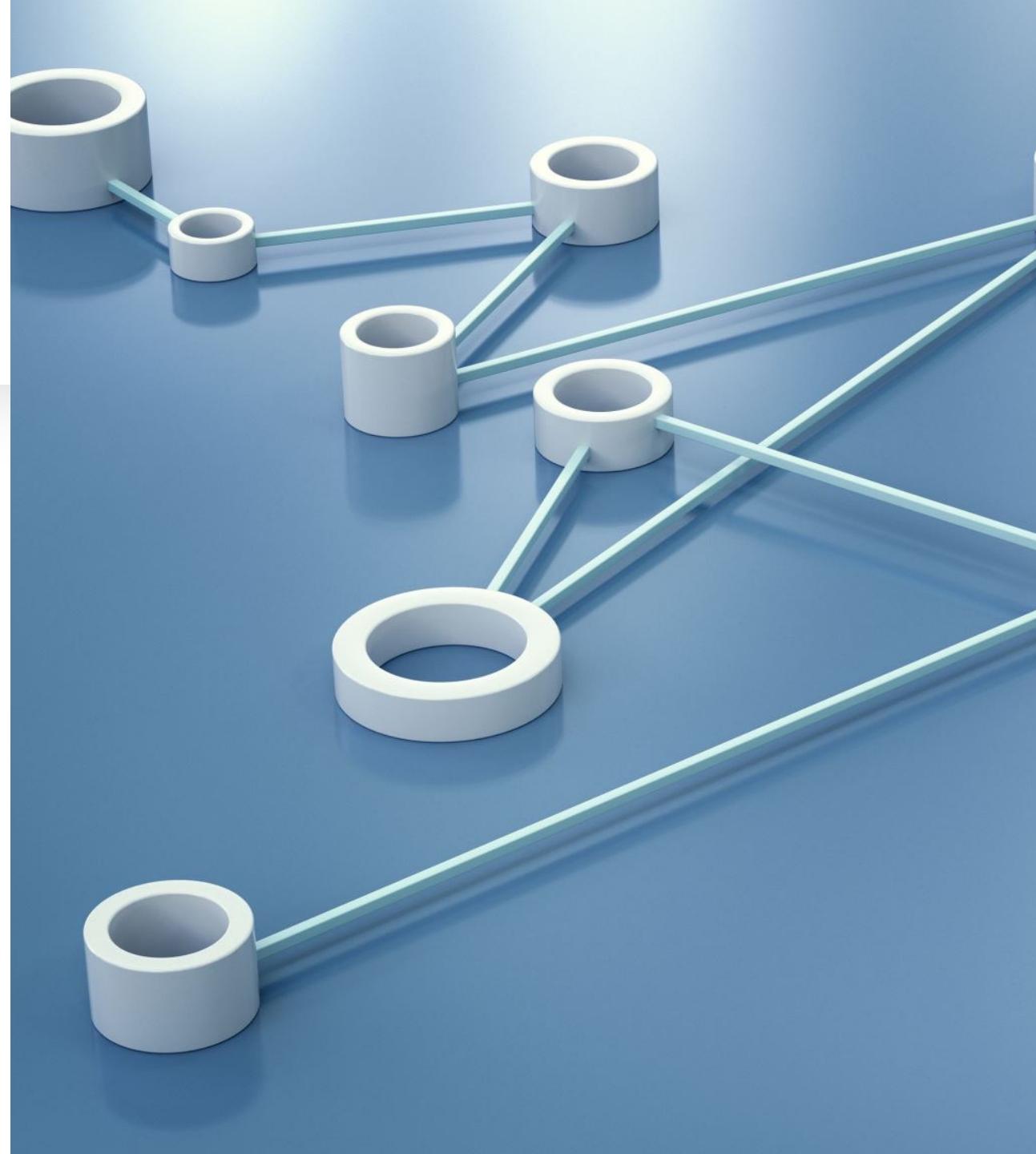
New to ACR, Artifact streaming helps pull images faster from AKS clusters. The 'Artifact streaming status' column shows which repositories are using this feature. [Learn more](#)

Search to filter repositories ...

Repositories ↑	Cache Rule
petstoreapp	...
petstoreorderservice	...
petstorepetservice	...
petstoreproductservice	...

Deploy Services to Azure App Services

- Screenshots of the Azure portal:
 - Creation of App Service Plans for PetStoreApp (Web) and Public API Services.
 - Deployment of PetStoreApp (Web) to two different regions.
 - Configuration of environment variables for services communication.
 - Successful navigation between pages without errors.



```
[→ epam-cloudx-associate-azure-java git:(m3) ✘ chmod +x module-3/step-3.bash
[→ epam-cloudx-associate-azure-java git:(m3) ✘ ./module-3/step-3.bash
Creating App Service plan: asp-web-eastus in region: eastus
 Readonly attribute name will be ignored in class <class 'azure.mgmt.web.v2023_01_01.models._models_py3.AppServicePlan'>
{
    "elasticScaleEnabled": false,
    "extendedLocation": null,
    "freeOfferExpirationTime": "2024-07-14T10:45:17.136666",
    "geoRegion": "East US",
    "hostingEnvironmentProfile": null,
    "hyperV": false,
    "id": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Web/serverfarms/asp-web-eastus",
    "isSpot": false,
    "isXenon": false,
    "kind": "linux",
    "kubeEnvironmentProfile": null,
    "location": "eastus",
    "maximumElasticWorkerCount": 1,
    "maximumNumberOfWorkers": 0,
    "name": "asp-web-eastus",
    "numberOfSites": 0,
    "numberOfWorkers": 1,
    "perSiteScaling": false,
    "provisioningState": "Succeeded",
    "reserved": true,
    "resourceGroup": "module3_rg",
    "sku": {
        "capabilities": null,
        "capacity": 1,
        "family": "B",
        "locations": null,
        "name": "B1",
        "size": "B1",
        "skuCapacity": null,
        "tier": "Basic"
    },
    "spotExpirationTime": null,
    "status": "Ready",
    "subscription": "72db4666-a351-4db6-b7fd-2cc68aa2b111",
    "tags": null,
    "targetWorkerCount": 0,
    "targetWorkerSizeId": 0,
    "type": "Microsoft.Web/serverfarms",
    "workerTierName": null,
    "zoneRedundant": false
}
Creating App Service plan: asp-web-westeuropa in region: westeuropa
 Readonly attribute name will be ignored in class <class 'azure.mgmt.web.v2023_01_01.models._models_py3.AppServicePlan'>
```

- Resource group

Search

[+ Create](#) [Manage view](#) [Delete resource group](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#) [Move](#) [Delete](#)

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Deployment stacks

Policies

Properties

Locks

Cost Management

Cost analysis

Cost alerts (preview)

Budgets

Advisor recommendations

Monitoring

Insights (preview)

^ Essentials

Subscription ([move](#)) : [Visual Studio Professional Subscription](#)

Deployments : [No deployments](#)

Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111

Location : East US

Tags ([edit](#)) : [Add tags](#)

Resources Recommendations

Filter for any field...

Type equals all [X](#)

Location equals all [X](#)

[+ Add filter](#)

Showing 1 to 9 of 9 records. Show hidden types [i](#)

No grouping [▼](#)

<input type="checkbox"/> Name ↑↓	Type ↑↓	Location ↑↓
asp-api-eastus	App Service plan	East US
asp-web-eastus	App Service plan	East US
asp-web-westeurope	App Service plan	West Europe
module3acr	Container registry	East US
petstoreapp-eastus	App Service	East US
petstoreapp-westeurope	App Service	West Europe
petstoreorderservice-eastus	App Service	East US
petstorepetservice-eastus	App Service	East US
petstoreproductservice-eastus	App Service	East US

< Previous

Page

1 [▼](#)

of 1

Next >

Home >

petstoreapp-eastus

Web App

 Search  Browse  Stop  Swap  Restart  Delete  Refresh  Download publish profile  Reset publish profile  Share to mobile  Send us your feedback

JSON Vi

Overview

 Activity log

 Access control (IAM)

 Tags

 Diagnose and solve problems

 Microsoft Defender for Cloud

 Events (preview)

 Better Together (preview)

Deployment

 Deployment slots

 Deployment Center

Performance

 Load Testing

Settings

 Environment variables

 Configuration

 Authentication

 Application Insights

 Identity

 Backups

 Custom domains

Essentials

Resource group ([move](#)) : [module3_rg](#)

Default domain : [petstoreapp-eastus.azurewebsites.net](#)

Status : Running

App Service Plan : [asp-web-eastus \(B1: 1\)](#)

Location ([move](#)) : East US

Operating System : Linux

Subscription ([move](#)) : [Visual Studio Professional Subscription](#)

Health Check : Not Configured

Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111

Tags ([edit](#)) : [Add tags](#)

Properties

Monitoring Logs Capabilities Notifications Recommendations

Web app

Name : petstoreapp-eastus

Deployment Center

Deployment logs

[View logs](#)

Publishing model : Container

Container Image : module3acr.azurecr.io/petstoreapp:v1

Application Insights

Name

[Enable Application Insights](#)

Domains

Default domain : petstoreapp-eastus.azurewebsites.net

Custom domain : [Add custom domain](#)

Networking

Virtual IP address : 20.119.8.50

Hosting

Plan Type : App Service plan

Outbound IP addresses : 4.255.19.126,4.255.19.133,4.255...

[Show More](#)

Name : asp-web-eastus

Additional Outbound IP addresses : 4.255.19.126,4.255.19.133,4.255...

[Show More](#)

Operating System : Linux

Virtual network integration : Not configured

EPAM AI DIAL

x | A petstoreorderservice-eastus - x | Azure Pet Store x +

← ⏪ ⏹ 🔍 https://petstoreapp-eastus.azurewebsites.net

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

Cart icon with 0 items

Welcome to the Azure Pet Store

Start exploring & learning Azure today!

Begin by shopping for products below!



This website uses cookies to ensure you get the best experience on our website. Learn more

Got it!

petstoreorderservice-eastus

Web App

Search

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile Send us your feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Better Together (preview)

Resource group (move) : module3_rg Status : Running Location (move) : East US Subscription (move) : Visual Studio Professional Subscription Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111 Tags (edit) : Add tags

Default domain : petstoreorderservice-eastus.azurewebsites.net App Service Plan : asp-api-eastus (B1: 1) Operating System : Linux Health Check : Cannot fetch health check data. Please try again later.

Properties Monitoring Logs Capabilities Notifications Recommendations

Web app

Name	petstoreorderservice-eastus
Publishing model	Container
Container Image	module3acr.azurecr.io/petstoreorderservice:v1

Domains

Default domain	petstoreorderservice-eastus.azurewebsites.net
Custom domain	Add custom domain

Hosting

Plan Type	App Service plan
Name	asp-api-eastus
Operating System	Linux

Deployment Center

Deployment logs View logs

Application Insights

Name Enable Application Insights

Networking

Virtual IP address	20.119.8.50
Outbound IP addresses	4.255.19.126,4.255.19.133,4.255... Show More
Additional Outbound IP addresses	4.255.19.126,4.255.19.133,4.255... Show More
Virtual network integration	Not configured

JSON View

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Swagger UI" and displays the "Swagger Petstore" API documentation. The URL in the address bar is <https://petstoreorderservice-eastus.azurewebsites.net/swagger-ui/index.html>. The page header includes the "Swagger" logo and the text "Supported by SMARTBEAR". A dropdown menu labeled "Select a definition" is set to "default".

Swagger Petstore 1.0.6

[Base URL: petstoreorderservice-eastus.azurewebsites.net/]
<https://petstoreorderservice-eastus.azurewebsites.net/v2/api-docs>

This is a sample server Petstore server. You can find out more about Swagger at <http://swagger.io> or on [irc.freenode.net, #swagger](#). For this sample, you can use the api key **special-key** to test the authorization filters.

[Contact the developer](#)
[Apache 2.0](#)

store-api-controller the store API >

store >

Models >

EPAM AI DIAL

A petstoreapp-eastus - Microsoft Azure | Azure Pet Store

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure | Search resources, services, and docs (G+)

Copilot | Jegors.Cemisovs@epam...

petstoreorderservice-eastus > module3_rg > petstoreapp-eastus

petstoreapp-eastus | Environment variables

Web App

App settings Connection strings

Search Add Refresh Show values Advanced edit Pull reference values

Name	Value	Deployment slot setting	Source	Delete
DOCKER_REGISTRY_SERVER_PASSWORD	Show value		App Service	trash
DOCKER_REGISTRY_SERVER_URL	https://module3acr.azurecr.io		App Service	trash
DOCKER_REGISTRY_SERVER_USERNAME	module3acr		App Service	trash
PETSTOREAPP_SERVER_PORT	8080		App Service	trash
PETSTOREORDERSERVICE_URL	https://petstoreorderservice-eastus.azurewebsites.net		App Service	trash
PETSTOREPETSERVICE_URL	https://petstorepetservice-eastus.azurewebsites.net		App Service	trash
PETSTOREPRODUCTSERVICE_URL	https://petstoreproductservice-eastus.azurewebsites.net		App Service	trash
WEBSITES_ENABLE_APP_SERVICE_STORAGE	false		App Service	trash
WEBSITES_PORT	8080		App Service	trash

Apply Discard

Send us your feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Better Together (preview)

Deployment Deployment slots Deployment Center

Performance Load Testing

Settings Environment variables Configuration Authentication Application Insights Identity Backups Custom domains

EPAM AI DIAL

petstoreapp-eastus - Microsoft Edge

Azure Pet Store

https://petstoreapp-eastus.azurewebsites.net/dogbreeds?category=Dog

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

Shop by Pet Breeds



Shop for Afador



Shop for American Bulldog



EPAM AI DIAL

A module3_rg - Microsoft Azure

Azure Pet Store

https://petstoreapp-eastus.azurewebsites.net

Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

Select a Product

Ball

Add to cart

Ball Launcher

This screenshot shows a web browser window displaying the Azure Pet Store application. The page is titled "Select a Product". It features a large image of a green KONG ball with the word "KONG" embossed on it. Below the image is the word "Ball" and a blue "Add to cart" button. Further down the page is another product listing for a "Ball Launcher", which includes an image of the launcher and its packaging.

 Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!



Shopping Cart Summary

You need to login before placing your order

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

© 2024 Azure Pet Store

container:
169.254.130.3/petstoreapp-eastus_a64571ab

version:
unknown

date:
unknown

session:
5A169700B8B4F7A47C8E5D03A2803625

Dog Products
[Shop by breeds](#)

Cat Products
[Shop by breeds](#)

Fish Products
[Shop by breeds](#)

EPAM AI DIAL

module3_rg - Microsoft Azure

Azure Pet Store

https://petstoreapp-eastus.azurewebsites.net/cart

Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

1

Shopping Cart Summary

You need to login before placing your order

Product ID	Description	Product Name	Quantity
1		Ball	<button>-</button> 1 <button>+</button>

© 2024 Azure Pet Store
container:
169.254.130.3/petstoreapp-
eastus_a64571ab
version:
unknown
date:
unknown

Dog Products
[Shop by breeds](#)

Cat Products
[Shop by breeds](#)

Fish Products
[Shop by breeds](#)

...

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

https://petstoreapp-eastus.azurewebsites.net

Azure Pet Store

Azure Pet Store

Cart icon with 1 item

Welcome to the Azure Pet Store

Start exploring & learning Azure today!

Begin by shopping for products below!

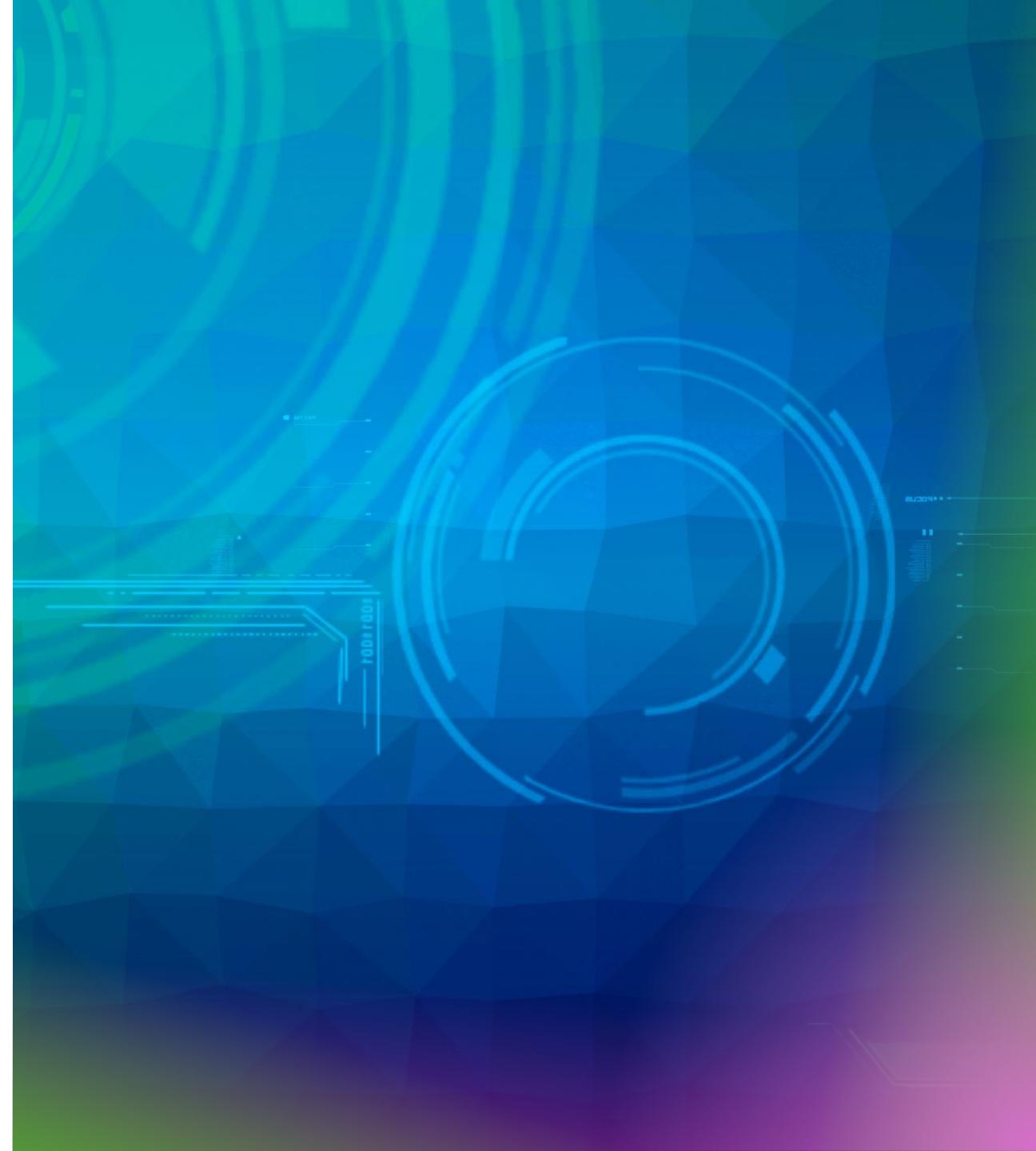


Settings gear icon

Configure Auto-Scaling

Screenshots of the Azure portal:

- Configuration of rules-based autoscaling for public API services.
- Setup of custom autoscale settings, including CPU usage thresholds.
- Verification of autoscaling settings and rules.



EPAM AI DIAL

petstoreorderservice-eastus

Azure Pet Store

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure

Search resources, services, and docs (G+)

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Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus

petstoreorderservice-eastus | Scale out (App Service plan)

Web App

Search Refresh Send us your feedback

Load Testing

Memory (GB) 1.75

Settings

Environment variables

Configuration

Authentication

Application Insights

Identity

Backups

Custom domains

Certificates

Networking

Scale up (App Service plan)

Scale out (App Service plan) **Selected**

WebJobs

Service Connector

Locks

App Service plan

App Service plan

Quotas

Change App Service plan

Instance count 1

Scaling

App service provides multiple features that help applications perform their best when scaling demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale rule based policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. You can also use Automatic Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP traffic.

Learn more about Azure Autoscale, Automatic Scaling or view the how-to video.

Scale out method

Manual
Maintain a constant instance count for your application

Automatic
Platform managed scale out and in based on traffic
Automatic scaling requires a Premium v2 or Premium v3 App Service Plan.
Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

Rules Based
User defined rules to scale on a schedule or based on any app metric
Rules based autoscale requires a Standard or better App Service Plan.
Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

Save Discard

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Web/sites/petstoreorderservice-eastus/scale

petstoreorderservice-eastus | Scale out (App Service plan)

Web App

Search Refresh Send us your feedback

Memory (GB) 1.75

Load Testing

Settings

- Environment variables
- Configuration
- Authentication
- Application Insights
- Identity
- Backups
- Custom domains
- Certificates
- Networking
- Scale up (App Service plan)
- Scale out (App Service plan)**
- WebJobs
- Service Connector
- Locks

Scaling

App service provides multiple features that help applications perform their best when scaling demand changes to scale your resource manually to a specific instance count, or via a custom Autoscale rule based policy that scales metric(s) thresholds, or schedule instance count which scales during designated time windows. You can also use Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP requests. [Learn more about Azure Autoscale](#), [Automatic Scaling](#) or view the [how-to video](#).

Scale out method

- Manual
Maintain a constant instance count for your application
- Automatic
Platform managed scale out and in based on traffic
Automatic scaling requires a Premium v2 or Premium v3 App Service Plan. Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)
- Rules Based
User defined rules to scale on a schedule or based on any app metric. Rules based autoscale requires a Standard or better App Service Plan. Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

Instance count

Save Discard

Recommended Pricing Plan

For more capacity and flexibility, [explore pricing plans](#).

	Basic B1 (Current plan) 0.016 EUR/hour (11.616 EUR/month)	Standard S1 0.089 EUR/hour (64.915 EUR/month)
SLA	99.95%	99.95%
ACU/vCPU	100	100
vCPU	1	1
Memory (GB)	1.75	1.75
Remote Storage (GB)	10	50
Scale (instance)	3	10
Custom domain	✓	✓
Auto scale	Manual	Rules
Staging slots	N/A	5
Daily backups	N/A	10
Zone Redundant		

Select Cancel

EPAM AI DIAL

petstoreorderservice-eastus - Azure Pet Store

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure

Search resources, services, and docs (G+)

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Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus

petstoreorderservice-eastus | Scale out (App Service plan)

Web App

Load Testing

Price (instance) 0.089 EUR/hour (64.915 EUR/month)

Settings

Environment variables

Configuration

Authentication

Application Insights

Identity

Backups

Custom domains

Certificates

Networking

Scale up (App Service plan)

Scale out (App Service plan)

WebJobs

Service Connector

Locks

App Service plan

App Service plan

Quotas

Change App Service plan

Development Tools

Search Refresh Send us your feedback

Memory (GB) 1.75

Maximum scale (instance) 10

Current instance 1

Scaling

App service provides multiple features that help applications perform their best when scaling demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale rule based policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. You can also use Automatic Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP traffic.

[Learn more about Azure Autoscale, Automatic Scaling or view the how-to video.](#)

Scale out method

Manual
Maintain a constant instance count for your application

Automatic
Platform managed scale out and in based on traffic
Automatic scaling requires a Premium v2 or Premium v3 App Service Plan.
Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

Rules Based
User defined rules to scale on a schedule or based on any app metric

Rule based scaling will be ignored if Automatic scaling is enabled. [Manage rules based scaling](#)

Save Discard

Custom autoscale

Autoscale setting name *	asp-api-eastus-autoscale	✓	
Resource group	module3_rg	▼	
Instance count	1		
Default* Auto created default scale condition 			
Delete warning  The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.			
Scale mode	<input checked="" type="radio"/> Scale based on a metric <input type="radio"/> Scale to a specific instance count		
Rules	 Scale is based on metric trigger rules but no rule(s) is defined; click Add a rule to create a rule. For example: 'Add a rule that increases instance count by 1 when CPU Percentage is above 70%'. If no rules is defined, the resource will be set to default instance count.		
Instance limits	Minimum *  1	Maximum *  5	Default *  1
Schedule	This scale condition is executed when none of the other scale condition(s) match		

EPAM AI DIAL

Autoscale setting - Microsoft

Azure Pet Store

https://portal.azure.com/#view/Microsoft_Azure_Monitoring/AutoScaleSettingsBlade/apiVersion/2015-08-01/options~...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Jegors_Cemisovs@epa...
EPAM (EPAM.ONMICROSOFT.CO...)

Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus | Scale out (App Service plan) >

Autoscale setting

asp-api-eastus (App Service plan)

Save Discard Refresh Logs Feedback

Choose how to scale your resource

Manual scale
Maintain a fixed instance count

Custom autoscale
Scale on any schedule, based on any metrics

Custom autoscale

Autoscale setting name	asp-api-eastus-autoscale
Resource group	module3_rg
Instance count	1

Default* Auto created default scale condition

Delete warning The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode Scale based on a metric Scale to a specific instance count

Instance count*

Schedule **This scale condition is executed when none of the other scale condition(s) match**

+ Add a scale condition

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

Copilot | 1 | ? | ? | ? | Jegors_Cemisovs@epa...
EPAM (EPAM.ONMICROSOFT.CO..)

Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus | Scale out (App Service plan) >

Autoscale setting

asp-api-eastus (App Service plan)

Save Discard Refresh Logs Feedback

Instance count	1
----------------	---

Default* Auto created default scale condition edit delete

Delete warning info The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode Scale based on a metric Scale to a specific instance count

Rules warning Scale is based on metric trigger rules but no rule(s) is defined; click [Add a rule](#) to create a rule. For example: 'Add a rule that increases instance count by 1 when CPU Percentage is above 70%'. If no rules is defined, the resource will be set to default instance count.

Instance limits Minimum * 1 Maximum * 5 Default * 1

Schedule This scale condition is executed when none of the other scale condition(s) match

Profile 1 edit delete

Scale mode Scale based on a metric Scale to a specific instance count

Instance count * 1

Schedule Specify start/end dates Repeat specific days

Timezone (UTC+02:00) E. Europe

Scale rule X

1 minute time grain

Dimension Name	Operator	Dimension Values	Add
Instance	=	All values	+

If you select multiple values for a dimension, autoscale will aggregate the metric across the selected values, not evaluate the metric for each values individually.

CpuPercentage (Average)
13.17 %

Enable metric divide by instance count info

Operator * Greater than Metric threshold to trigger scale action * 70 %

Duration (minutes) * 5 Time grain (minutes) 1

Time grain statistic * Average Time aggregation * Average

Action

Operation * Increase count by Cool down (minutes) * 5

instance count * 1

Add

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

Copilot | 1 | ? | ? | ? | Jegors_Cemisovs@epa...
EPAM (EPAM.ONMICROSOFT.CO..)

Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus | Scale out (App Service plan) >

Autoscale setting

asp-api-eastus (App Service plan)

Save Discard Refresh Logs Feedback

Delete warning The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode Scale based on a metric Scale to a specific instance count

Rules It is recommended to have at least one scale in rule. To create new rules, click [Add a rule](#)

Scale out When asp-api-eastus (Average) CpuPercentage > 70 Increase count by 1

+ Add a rule

Instance limits Minimum * 1 Maximum * 5 Default * 1

Schedule This scale condition is executed when none of the other scale condition(s) match

Profile 1 Profile 1

Scale mode Scale based on a metric Scale to a specific instance count

Instance count * 1

Schedule Specify start/end dates Repeat specific days

Timezone (UTC+02:00) E. Europe

Start date 15/06/2024 00:00:00

End date 15/06/2024 23:59:00

Scale rule

1 minute time grain

Dimension Name	Operator	Dimension Values	Add
Instance	=	All values	+

If you select multiple values for a dimension, autoscale will aggregate the metric across the selected values, not evaluate the metric for each values individually.

CpuPercentage (Average)
12.67 %

Enable metric divide by instance count

Operator * Less than Metric threshold to trigger scale action * 25 %

Duration (minutes) * 5 Time grain (minutes) 1

Time grain statistic * Average Time aggregation * Average

Action

Operation * Decrease count by Cool down (minutes) * 5

instance count * 1

Add

Home > petstoreorderservice-eastus > module3_rg > petstoreorderservice-eastus | Scale out (App Service plan) >

Autoscale setting

...

X

asp-api-eastus (App Service plan)

Save Discard Refresh Logs Feedback

Autoscale setting name: asp-api-eastus-autoscale
Resource group: module3_rg
Instance count: 1

Default* Auto created default scale condition edit



Delete warning

info The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode

Scale based on a metric Scale to a specific instance count

Rules

Scale out

When asp-api-eastus (Average) CpuPercentage > 70 Increase count by 1

Scale in

When asp-api-eastus (Average) CpuPercentage < 25 Decrease count by 1

[+ Add a rule](#)

Instance limits

Minimum * 1

Maximum * 5

Default * 1

Schedule

This scale condition is executed when none of the other scale condition(s) match

Profile 1 edit



```
[→ epam-cloudx-associate-azure-java git:(m3) ✘ brew install k6
==> Auto-updating Homebrew...
Adjust how often this is run with HOMEBREW_AUTO_UPDATE_SECS or disable with
HOMEBREW_NO_AUTO_UPDATE. Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
==> Downloading https://ghcr.io/v2/homebrew/portable-ruby/portable-ruby/blobs/sha256:bbb73a9d86fa37128c54c74b020096a646c46c525fd5eb0c4a2467551fb2d377
#####
100.0%
==> Pouring portable-ruby-3.3.2.arm64_big_sur.bottle.tar.gz
==> Auto-updated Homebrew!
Updated 2 taps (homebrew/core and homebrew/cask).
==> New Formulae
batt           codecov-cli      dep-tree       geni          kubelogin      oils-for-unix    poutine        toipe         vexctl        zfind
chsdc          cyctl            fern-api       gensio        libpeas@1     openjdk@21      rustls-ffi      typstyle      yara-x
==> New Casks
alcom          font-bodoni-moda-sc   font-playwrite-cl   font-playwrite-nl   get-api
anchor-wallet  font-bona-nova-sc    font-playwrite-cu   font-playwrite-no  itermai
clion@eap      font-edu-au-vic-wa-nt-hand  font-playwrite-cz   font-playwrite-pe  macsymbolicator
elgato-capture-device-utility  font-fustat        font-playwrite-dk-loopet  font-playwrite-pl  material-maker
emclient@beta  font-ga-maamli      font-playwrite-dk-uloopet  font-playwrite-pt  naps2
font-alumni-sans-collegiate-one-sc  font-playwrite-ar   font-playwrite-hr    font-playwrite-ro  proton-pass
font-anton-sc   font-playwrite-at     font-playwrite-hr-ljjeva  font-playwrite-sk  qlzipinfo
font-arsenal-sc  font-playwrite-be-vlg   font-playwrite-hu    font-wittgenstein vcam
font-baskerville-sc  font-playwrite-be-wal   font-playwrite-is   font-zain        xnapper

You have 26 outdated formulae and 1 outdated cask installed.

==> Downloading https://ghcr.io/v2/homebrew/core/k6/manifests/0.51.0
#####
100.0%
==> Fetching k6
==> Downloading https://ghcr.io/v2/homebrew/core/k6/blobs/sha256:df2cee84a58df784f0ae7efa814d2ab7f55e4f6b9d02d04eb662ab1e71f94e02
#####
100.0%
==> Pouring k6--0.51.0.arm64_sonoma.bottle.tar.gz
==> Caveats
zsh completions have been installed to:
  /opt/homebrew/share/zsh/site-functions
==> Summary
🍺 /opt/homebrew/Cellar/k6/0.51.0: 9 files, 38.3MB
==> Running `brew cleanup k6`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
[→ epam-cloudx-associate-azure-java git:(m3) ✘ k6 --version
k6 v0.51.0 (go1.22.3, darwin/arm64)
[→ epam-cloudx-associate-azure-java git:(m3) ✘ ]
```

EPAM AI DIAL | petstoreproductservice-eastus | Azure Pet Store | Swagger UI

Not Secure | petstoreproductservice-eastus.azurewebsites.net/swagger-ui/index.html#/product-api-controller

Swagger Petstore 1.0.6

[Base URL: petstoreproductservice-eastus.azurewebsites.net/]
<http://petstoreproductservice-eastus.azurewebsites.net/v2/api-docs>

This is a sample server Petstore server. You can find out more about Swagger at <http://swagger.io> or on [irc.freenode.net, #swagger](#). For this sample, you can use the api key **special-key** to test the authorization filters.

[Contact the developer](#)

Apache 2.0

product-api-controller the product API

GET /petstoreproductservice/v2/product/info info

product

POST /petstoreproductservice/v2/product Add a new product to the store

PUT /petstoreproductservice/v2/product Update an existing product

GET /petstoreproductservice/v2/product/{productId} Find product by ID

POST /petstoreproductservice/v2/product/{productId} Updates a product in the store with form data

DELETE /petstoreproductservice/v2/product/{productId} Deletes a product

POST /petstoreproductservice/v2/product/{productId}/uploadImage uploads an image

GET /petstoreproductservice/v2/product/findByStatus Finds Products by status

GET /petstoreproductservice/v2/product/findByTags Finds Products by tags

```
[→ module-3 git:(m3) ✘ k6 run constant-load.js
```



```
execution: local  
script: constant-load.js  
output: -
```

```
scenarios: (100.00%) 1 scenario, 1 max VUs, 10m30s max duration (incl. graceful stop):  
* default: 1 iterations for each of 1 VUs (maxDuration: 10m0s, gracefulStop: 30s)
```

```
data_received.....: 7.1 kB 3.9 kB/s  
data_sent.....: 1.1 kB 579 B/s  
http_req_blocked.....: avg=615.99ms min=615.99ms med=615.99ms max=615.99ms p(90)=615.99ms p(95)=615.99ms  
http_req_connecting.....: avg=132.25ms min=132.25ms med=132.25ms max=132.25ms p(90)=132.25ms p(95)=132.25ms  
http_req_duration.....: avg=196.14ms min=196.14ms med=196.14ms max=196.14ms p(90)=196.14ms p(95)=196.14ms  
{ expected_response:true }.....: avg=196.14ms min=196.14ms med=196.14ms max=196.14ms p(90)=196.14ms p(95)=196.14ms  
http_req_failed.....: 0.00% ✓ 0 ✘ 1  
http_req_receiving.....: avg=5.11ms min=5.11ms med=5.11ms max=5.11ms p(90)=5.11ms p(95)=5.11ms  
http_req_sending.....: avg=194µs min=194µs med=194µs max=194µs p(90)=194µs p(95)=194µs  
http_req_tls_handshaking.....: avg=335.07ms min=335.07ms med=335.07ms max=335.07ms p(90)=335.07ms p(95)=335.07ms  
http_req_waiting.....: avg=190.83ms min=190.83ms med=190.83ms max=190.83ms p(90)=190.83ms p(95)=190.83ms  
http_reqs.....: 1 0.551305/s  
iteration_duration.....: avg=1.81s min=1.81s med=1.81s max=1.81s p(90)=1.81s p(95)=1.81s  
iterations.....: 1 0.551305/s  
vus.....: 1 min=1 max=1  
vus_max.....: 1 min=1 max=1
```

```
running (00m01.8s), 0/1 VUs, 1 complete and 0 interrupted iterations  
default ✓ [=====] 1 VUs 00m01.8s/10m0s 1/1 iters, 1 per VU  
→ module-3 git:(m3) ✘
```

EPAM AI DIAL

petstoreproductservice-eastus

Azure Pet Store

Swagger UI

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure

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Copilot

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Http 5xx

Data In

Data Out

Requests

Response Time

Http 5xx: 0

Data In (Sum): 1.1 MB

Data Out (Sum): 1.8 MB

Requests (Sum): 0

Response Time (Avg): 0sec

```
[→ module-3 git:(m3) ✘ k6 run gradual-rampup.js
```



```
execution: local
  script: gradual-rampup.js
  output: -
```

```
scenarios: (100.00%) 1 scenario, 10 max VUs, 6m30s max duration (incl. graceful stop):
  * default: Up to 10 looping VUs for 6m0s over 2 stages (gracefulRampDown: 30s, gracefulStop: 30s)
```

```
running (4m15.9s), 10/10 VUs, 1892 complete and 0 interrupted iterations
default  [=====>-----] 10/10 VUs 4m15.9s/6m00.0s
```

Screenshot of the Microsoft Azure portal showing the details of the app service plan "asp-api-eastus".

The page includes the following sections:

- Essentials:** Resource group: move, Status: Ready, Location: East US, Subscription: Visual Studio Professional Subscription, Subscription ID: 72db4666-a351-4db6-b7fd-2cc68aa2b111, Tags: (edit), Add tags.
- Metrics:** CPU Percentage, Memory Percentage, Data In, Data Out.
- Logs:** Application logs, System logs, Diagnostic settings.

The CPU Percentage chart shows a sharp spike reaching nearly 90% around 19:45 UTC+03:00. The Memory Percentage chart shows a steady increase from ~70% to ~75%. The Data In chart shows a single large spike reaching 500kB. The Data Out chart shows a single large spike reaching 1.59MB.

```
[→ module-3 git:(m3) ✘ k6 run gradual-rampup.js
```



```
execution: local
  script: gradual-rampup.js
  output: -
```

```
scenarios: (100.00%) 1 scenario, 10 max VUs, 6m30s max duration (incl. graceful stop):
  * default: Up to 10 looping VUs for 6m0s over 2 stages (gracefulRampDown: 30s, gracefulStop: 30s)
```

data_received.....	1.7 MB	4.6 kB/s				
data_sent.....	113 kB	314 B/s				
http_req_blocked.....	avg=1.76ms	min=0s	med=0s	max=613.09ms	p(90)=1µs	p(95)=1µs
http_req_connecting.....	avg=566.05µs	min=0s	med=0s	max=219.88ms	p(90)=0s	p(95)=0s
http_req_duration.....	avg=184.56ms	min=137.71ms	med=170.44ms	max=751.71ms	p(90)=231.89ms	p(95)=259.31ms
{ expected_response:true }	avg=184.56ms	min=137.71ms	med=170.44ms	max=751.71ms	p(90)=231.89ms	p(95)=259.31ms
http_req_failed.....	0.00%	✓ 0	x 2781			
http_req_receiving.....	avg=379.49µs	min=6µs	med=46µs	max=444.37ms	p(90)=287µs	p(95)=425µs
http_req_sending.....	avg=84.23µs	min=11µs	med=78µs	max=13.93ms	p(90)=110µs	p(95)=138µs
http_req_tls_handshaking.....	avg=1.15ms	min=0s	med=0s	max=356.02ms	p(90)=0s	p(95)=0s
http_req_waiting.....	avg=184.09ms	min=137.17ms	med=170.02ms	max=751.49ms	p(90)=230.25ms	p(95)=257.71ms
http_reqs.....	2781	7.715564/s				
iteration_duration.....	avg=1.18s	min=1.13s	med=1.17s	max=1.85s	p(90)=1.23s	p(95)=1.26s
iterations.....	2781	7.715564/s				
vus.....	10	min=1	max=10			
vus_max.....	10	min=10	max=10			

```
running (6m00.4s), 00/10 VUs, 2781 complete and 0 interrupted iterations
default ✓ [=====] 00/10 VUs 6m0s
```

```
[→ module-3 git:(m3) ✘ ]
```

```
[→ module-3 git:(m3) ✘ k6 run sudden-spike.js
```



```
execution: local  
script: sudden-spike.js  
output: -
```

```
scenarios: (100.00%) 1 scenario, 50 max VUs, 7m30s max duration (incl. graceful stop):  
* default: Up to 50 looping VUs for 7m0s over 3 stages (gracefulRampDown: 30s, gracefulStop: 30s)
```

data_received.....	: 8.7 MB 21 kB/s
data_sent.....	: 590 kB 1.4 kB/s
http_req_blocked.....	: avg=1.64ms min=0s med=0s max=1.07s p(90)=1µs p(95)=1µs
http_req_connecting.....	: avg=501.05µs min=0s med=0s max=252.44ms p(90)=0s p(95)=0s
http_req_duration.....	: avg=171.45ms min=134.27ms med=159.1ms max=655.05ms p(90)=211.63ms p(95)=231.08ms
{ expected_response:true }....	: avg=171.45ms min=134.27ms med=159.1ms max=655.05ms p(90)=211.63ms p(95)=231.08ms
http_req_failed.....	: 0.00% ✓ 0 x 14565
http_req_receiving.....	: avg=303.82µs min=6µs med=25µs max=459.82ms p(90)=345µs p(95)=615.79µs
http_req_sending.....	: avg=51µs min=10µs med=32µs max=70.96ms p(90)=80µs p(95)=93µs
http_req_tls_handshaking.....	: avg=1.12ms min=0s med=0s max=868.06ms p(90)=0s p(95)=0s
http_req_waiting.....	: avg=171.1ms min=134.25ms med=158.84ms max=469.95ms p(90)=211.28ms p(95)=230.62ms
http_reqs.....	: 14565 34.585449/s
iteration_duration.....	: avg=1.17s min=1.13s med=1.16s max=2.41s p(90)=1.21s p(95)=1.23s
iterations.....	: 14565 34.585449/s
vus.....	: 9 min=1 max=50
vus_max.....	: 50 min=50 max=50

```
running (7m01.1s), 00/50 VUs, 14565 complete and 0 interrupted iterations  
default ✓ [=====] 00/50 VUs 7m0s
```

```
→ module-3 git:(m3) ✘
```

^ Essentials

Resource group ([move](#)) : [module3_rg](#)

Status : Ready

Location : East US

Subscription ([move](#)) : [Visual Studio Professional Subscription](#)

Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111

Tags ([edit](#)) : [Add tags](#)

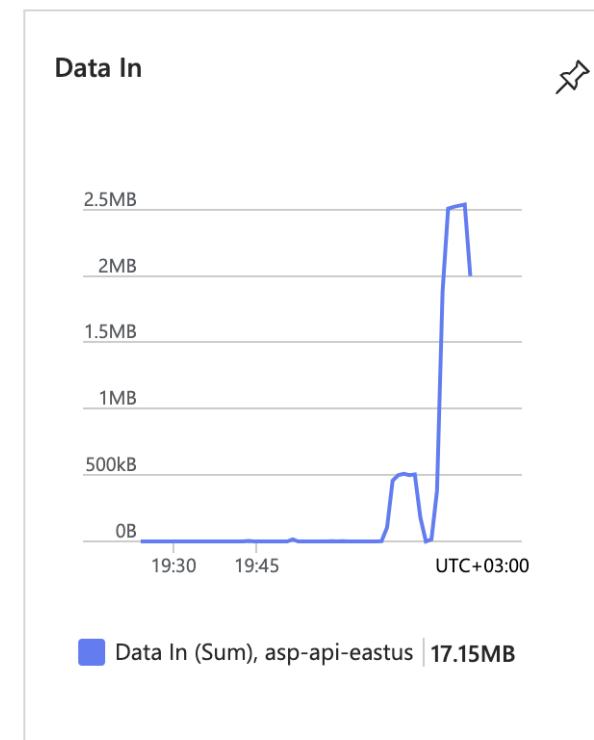
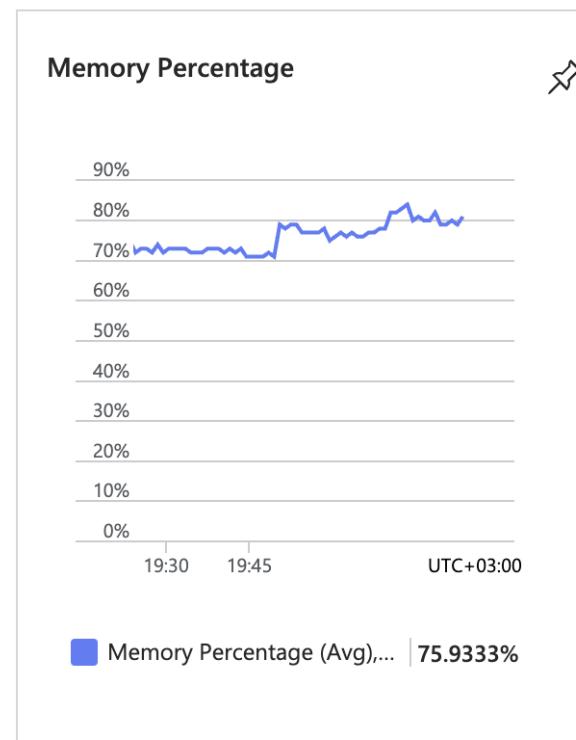
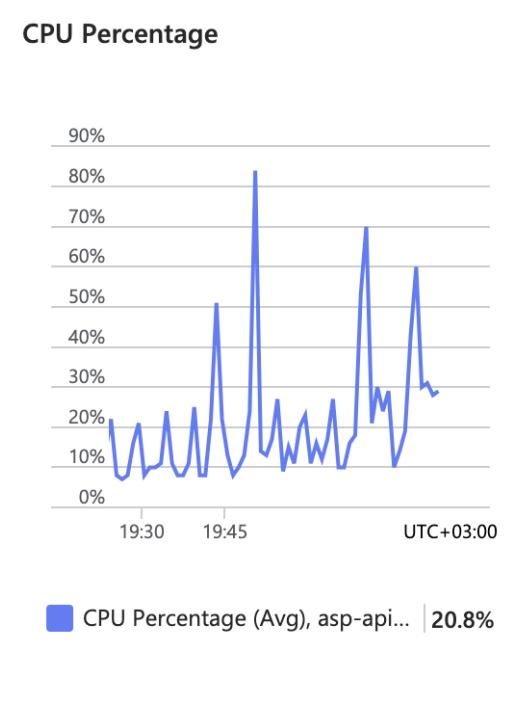
Pricing plan : [S1](#)

Instance count : [1](#)

App(s) / Slots : [3 / 0](#)

Operating System : Linux

Zone redundant : Disabled





Set Up Deployment Slots for PetStoreApp

- Screenshots of the Azure portal:
 - Creation of a deployment slot for PetStoreApp.
 - Configuration of slot settings, including continuous deployment.
 - Successful push of an updated Docker image to the Azure Container Registry.
 - Testing of the deployment slot and verification of changes.
 - Screenshot of initiating the slot swap process.

Home > petstoreproductservice-eastus | App Service plan > asp-api-eastus > module3_rg > petstoreapp-eastus

petstoreapp-eastus | Deployment slots ...



Web App

Search <

Save X Discard + Add Swap Logs Refresh

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

Name	Status	App service plan	Traffic %
petstoreapp-eastus PRODUCTION	Running	asp-web-eastus	100
petstoreapp-eastus-staging	Running	asp-web-eastus	0

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staging (petstoreapp-eastus/staging)

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{x} staging (petstoreapp-eastus/staging) | Environment variables

App Service (Slot)

Search

App settings Connection strings

Search

+ Add Refresh Show values Advanced edit Pull reference values

Name	Value	Deployment slot setting	Source	Delete
DOCKER_REGISTRY_SERVER_PASSWORD	Show value		App Service	[Delete]
DOCKER_REGISTRY_SERVER_URL	https://module3acr.azurecr.io		App Service	[Delete]
DOCKER_REGISTRY_SERVER_USERNAME	module3acr		App Service	[Delete]
PETSTOREAPP_SERVER_PORT	8080		App Service	[Delete]
PETSTOREORDERSERVICE_URL	https://petstoreorderservice-eastus.azurewebsites.net		App Service	[Delete]
PETSTOREPETSERVICE_URL	https://petstorepetservice-eastus.azurewebsites.net		App Service	[Delete]
PETSTOREPRODUCTSERVICE_URL	https://petstoreproductservice-eastus.azurewebsites.net		App Service	[Delete]
WEBSITES_ENABLE_APP_SERVICE_STORAGE	false		App Service	[Delete]
WEBSITES_PORT	8080		App Service	[Delete]

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Swagger UI

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Source*

Container Registry: Set up your app to pull the container image from a registry.

GitHub Actions: Build, deploy, and manage your container app automatically with GitHub Actions.

Azure Pipelines: Configure a robust deployment pipeline for your application using Azure Pipelines, part of Azure DevOps Services (formerly known as VSTS).

Registry settings

Container type: Single Container

Registry source: Azure Container Registry

Subscription ID*: Visual Studio Professional Subscripti...

Authentication: Admin Credentials

Registry*: module3acr

Image*: petstoreapp

Tag*: v1

Startup file or command:

Continuous deployment: On

Webhook URL: (redacted)

```
--> 45d1e0268a32
Step 12/12 : ENTRYPOINT ["./bin/bash", "-c", "/usr/sbin/sshd && java -jar /app/petstoreapp.jar"]
--> Running in eb7456efaa15
Removing intermediate container eb7456efaa15
--> cb9c0fb58fc6
Successfully built cb9c0fb58fc6
Successfully tagged module3acr.azurecr.io/petstoreapp:v2
2024/06/14 18:13:26 Successfully executed container: build
2024/06/14 18:13:26 Executing step ID: push. Timeout(sec): 3600, Working directory: '', Network: ''
2024/06/14 18:13:26 Pushing image: module3acr.azurecr.io/petstoreapp:v2, attempt 1
The push refers to repository [module3acr.azurecr.io/petstoreapp]
f28996d696a2: Preparing
a7e7b2538bf6: Preparing
4a1767027d91: Preparing
56103080be6c: Preparing
40bc003f5c90: Preparing
cc537dd3694d: Preparing
0b9c994b0484: Preparing
cc537dd3694d: Waiting
4a1767027d91: Pushed
a7e7b2538bf6: Pushed
56103080be6c: Pushed
f28996d696a2: Pushed
40bc003f5c90: Pushed
0b9c994b0484: Pushed
cc537dd3694d: Pushed
v2: digest: sha256:01292d06d6796c8b86188ff14793782a1fdb854db57f7b91e5fb86235348a45 size: 1788
2024/06/14 18:13:53 Successfully pushed image: module3acr.azurecr.io/petstoreapp:v2
2024/06/14 18:13:53 Step ID: build marked as successful (elapsed time in seconds: 56.166220)
2024/06/14 18:13:53 Populating digests for step ID: build...
2024/06/14 18:13:55 Successfully populated digests for step ID: build
2024/06/14 18:13:55 Step ID: push marked as successful (elapsed time in seconds: 27.593365)
2024/06/14 18:13:55 The following dependencies were found:
2024/06/14 18:13:55
- image:
  registry: module3acr.azurecr.io
  repository: petstoreapp
  tag: v2
  digest: sha256:01292d06d6796c8b86188ff14793782a1fdb854db57f7b91e5fb86235348a45
  runtime-dependency:
    registry: mcr.microsoft.com
    repository: openjdk/jdk
    tag: 17-ubuntu
    digest: sha256:30901688292290256ebab73e208271661bfa0a2fc45daf93cd52f1221a9083a
  buildtime-dependency:
- registry: registry.hub.docker.com
  repository: library/maven
  tag: 3.8.4-openjdk-17-slim
  digest: sha256:150deb7b386bad685dcf0c781b9b9023a25896087b637c069a50c8019cab86f8
git: {}
```

Run ID: ca5 was successful after 1m28s
Successfully built and pushed petstoreapp...
→ **epam-cloudx-associate-azure-java** git:(m3) ✘

EPAM AI DIAL

staging (petstoreapp-eastus/)

Azure Pet Store

Azure Pet Store

Swagger UI

https://petstoreapp-eastus-staging.azurewebsites.net

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

0

Welcome to the Azure Pet Store

Exploring staging environment.

Start exploring & learning Azure today!

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Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Better Together (preview)

Resource group : module3_rg Status : Running Location : East US Subscription : Visual Studio Professional Subscription Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111 Tags : Add tags

Properties Monitoring Logs Capabilities Notifications Recommendations

Web app Name : petstoreapp-eastus/staging Publishing model : Container Container Image : module3acr.azurecr.io/petstoreapp:v2

Domains Default domain : petstoreapp-eastus-staging.azurewebsites.net Custom domain : Add custom domain

Hosting Plan Type : App Service plan Name : asp-web-eastus Operating System : Linux

Swap

Source : petstoreapp-eastus-staging Target : PRODUCTION (petstoreapp-eastus)

Swap with preview can only be used with sites that have deployment slot settings enabled.

Perform swap with preview

Config Changes

This is a summary of the final set of configuration changes on the source and target deployment slots after the swap has completed.

Source slot changes Target slot changes

Setting	Type	Old Value	New Value
DOCKER_ENABLE_CI	AppSetting	true	Not set

Start Swap Close

[More events in the activity log →](#)

[Dismiss all](#) ▾

■■■ **Swapping slots**

Running ×

Swapping slots 'staging' and 'production'

a few seconds ago

✓ **Saving container configuration**

×

Successfully saved container configuration

an hour ago

EPAM AI DIAL

staging (petstoreapp-eastus/S)

Azure Pet Store

Azure Pet Store

Swagger UI

https://petstoreapp-eastus-staging.azurewebsites.net

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

Cart icon with 0 items

Welcome to the Azure Pet Store

Start exploring & learning Azure today!

Begin by shopping for products below!



This website uses cookies to ensure you get the best experience on our website. Learn more

Got it!

EPAM AI DIAL

staging (petstoreapp-eastus/)

Azure Pet Store

Azure Pet Store

Swagger UI

https://petstoreapp-eastus.azurewebsites.net

A Hi Guest, Welcome to the Azure Pet Store for CloudX Java Azure Dev Course!

Cart icon

Welcome to the Azure Pet Store

Exploring staging environment.

Start exploring & learning Azure today!

Begin by shopping for products below!



Configure Traffic Manager

- Screenshots of the Azure portal:
 - Creation of a Traffic Manager profile.
 - Addition of endpoints representing different PetStoreApp instances.
 - Configuration of health checks for endpoint availability.
 - Use of Traffic Manager URL to access the application.
- Screenshots or GIF-file:
 - Testing of the main application features through the Traffic Manager URL.



```
→ epam-cloudx-associate-azure-java git:(m3) ✘ az network traffic-manager profile create \
  --resource-group $RESOURCES_GROUP \
  --name petstoreapp-tm \
  --routing-method Priority \
  --unique-dns-name petstoreapp-tm
[{"TrafficManagerProfile": {
    "dnsConfig": {
        "fqdn": "petstoreapp-tm.trafficmanager.net",
        "relativeName": "petstoreapp-tm",
        "ttl": 30
    },
    "endpoints": [],
    "id": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Network/trafficManagerProfiles/petstoreapp-tm",
    "location": "global",
    "monitorConfig": {
        "intervalInSeconds": 30,
        "path": "/",
        "port": 80,
        "profileMonitorStatus": "Inactive",
        "protocol": "HTTP",
        "timeoutInSeconds": 10,
        "toleratedNumberOfFailures": 3
    },
    "name": "petstoreapp-tm",
    "profileStatus": "Enabled",
    "resourceGroup": "module3_rg",
    "trafficRoutingMethod": "Priority",
    "trafficViewEnrollmentStatus": "Disabled",
    "type": "Microsoft.Network/trafficManagerProfiles"
}}
}
→ epam-cloudx-associate-azure-java git:(m3) ✘
```

EPAM AI DIAL | module3_rg - Microsoft Azure | Azure Pet Store | Azure Pet Store | Swagger UI

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure Search resources, services, and docs (G+)

Copilot | Jegors_Cemisovs@epa... EPAM (EPAM.ONMICROSOFT.CO...)

Home > petstoreproductservice-eastus | App Service plan > asp-api-eastus >

module3_rg Resource group

Search Create Manage view Delete resource group Refresh Export to CSV Open query Assign tags Move Delete Export template ...

Overview Essentials

Subscription (move) : Visual Studio Professional Subscription Deployments : No deployments

Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111 Location : East US

Tags (edit) : Add tags

JSON View

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 12 of 12 records. Show hidden types

No grouping List view

Name ↑	Type ↑	Location ↑
module3acr	Container registry	East US
petstoreapp-eastus	App Service	East US
staging (petstoreapp-eastus/staging)	App Service (Slot)	East US
petstoreapp-tm	Traffic Manager profile	Global
petstoreapp-westeurope	App Service	West Europe
petstoreorderservice-eastus	App Service	East US
petstorepetservice-eastus	App Service	East US
petstoreproductservice-eastus	App Service	East US
webapppetstoreappeastusstaging (module3acr/webapppetstoreappeastusstaging)	Container registry webhook	East US

< Previous Page 1 of 1 Next >

Give feedback

Deployments Security Deployment stacks Policies Properties Locks

Cost Management Cost analysis Cost alerts (preview) Budgets Advisor recommendations

Monitoring Insights (preview) Alerts

```

        "trafficRoutingMethod": "Priority",
        "trafficViewEnrollmentStatus": "Disabled",
        "type": "Microsoft.Network/trafficManagerProfiles"
    }
}
[→ epam-cloudx-associate-azure-java git:(m3) ✘ APP1_ID=$(az webapp show --name petstoreapp-eastus --resource-group $RESOURCES_GROUP --query id --output tsv)
[→ epam-cloudx-associate-azure-java git:(m3) ✘ echo $APP1_ID
/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Web/sites/petstoreapp-eastus
[→ epam-cloudx-associate-azure-java git:(m3) ✘ APP2_ID=$(az webapp show --name petstoreapp-westeuropa --resource-group $RESOURCES_GROUP --query id --output tsv)

[→ epam-cloudx-associate-azure-java git:(m3) ✘ az network traffic-manager endpoint create \
    --resource-group $RESOURCES_GROUP \
    --profile-name petstoreapp-tm \
    --name tm-petstoreapp-eastus \
    --type azureEndpoints \
    --target-resource-id $APP1_ID \
    --priority 1
{
    "alwaysServe": "Disabled",
    "endpointLocation": "East US",
    "endpointMonitorStatus": "CheckingEndpoint",
    "endpointStatus": "Enabled",
    "id": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Network/trafficManagerProfiles/petstoreapp-tm/azureEndpoints/tm-petstoreapp-east
us",
    "name": "tm-petstoreapp-eastus",
    "priority": 1,
    "resourceGroup": "module3_rg",
    "target": "petstoreapp-eastus.azurewebsites.net",
    "targetResourceId": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Web/sites/petstoreapp-eastus",
    "type": "Microsoft.Network/trafficManagerProfiles/azureEndpoints",
    "weight": 1
}
[→ epam-cloudx-associate-azure-java git:(m3) ✘ az network traffic-manager endpoint create \
    --resource-group $RESOURCES_GROUP \
    --profile-name petstoreapp-tm \
    --name tm-petstoreapp-westeuropa \
    --type azureEndpoints \
    --target-resource-id $APP2_ID \
    --priority 2
{
    "alwaysServe": "Disabled",
    "endpointLocation": "West Europe",
    "endpointMonitorStatus": "CheckingEndpoint",
    "endpointStatus": "Enabled",
    "id": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Network/trafficManagerProfiles/petstoreapp-tm/azureEndpoints/tm-petstoreapp-west
europa",
    "name": "tm-petstoreapp-westeuropa",
    "priority": 2,
    "resourceGroup": "module3_rg",
    "target": "petstoreapp-westeuropa.azurewebsites.net",
    "targetResourceId": "/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b111/resourceGroups/module3_rg/providers/Microsoft.Web/sites/petstoreapp-westeuropa",
    "type": "Microsoft.Network/trafficManagerProfiles/azureEndpoints",
    "weight": 1
}
[→ epam-cloudx-associate-azure-java git:(m3) ✘

```

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petstoreapp-tm - Microsoft Az

Azure Pet Store

Azure Pet Store

Swagger UI

https://portal.azure.com/#@EPAM.onmicrosoft.com/resource/subscriptions/72db4666-a351-4db6-b7fd-2cc68aa2b11...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Jegors_Cemisovs@epa...
EPAM (EPAM.ONMICROSOFT.CO...)

Home > petstoreproductservice-eastus | App Service plan > asp-api-eastus > module3_rg >

petstoreapp-tm Traffic Manager profile

Search

Enable profile Disable profile Refresh Move Delete profile

Overview

Essentials

Resource group (move) : [module3_rg](#)

Status : Enabled

Subscription (move) : [Visual Studio Professional Subscription](#)

Subscription ID : 72db4666-a351-4db6-b7fd-2cc68aa2b111

DNS name : <http://petstoreapp-tm.trafficmanager.net>

Monitor status : Online

Routing method : Priority

Tags (edit) : [Add tags](#)

JSON View

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Real user measurements

Traffic view

Endpoints

Properties

Locks

Monitoring

Alerts

Metrics

Diagnostic settings

Logs

Automation

CLI / PS

Tasks (preview)

Export template

Search endpoints

Name	Status	Monitor status	Type	Priority
tm-petstoreapp-eastus	Enabled	Online	Azure endpoint	1
tm-petstoreapp-westeurope	Enabled	Checking endpoint	Azure endpoint	2

Microsoft Azure Search resources, services, and docs (G/) Copilot | Home petstoreproductservice-eastus | App Service plan > asp-api-eastus > module3_rg > petstoreapp-tm

petstoreapp-tm | Endpoints

Traffic Manager profile

+ Add Refresh

Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓	Type ↑↓	Priority ↑↓
tm-petstoreapp-eastus	Enabled	Online	Azure endpoint	1
tm-petstoreapp-westeurope	Enabled	Checking endpoint	Azure endpoint	2

Search Endpoints

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Real user measurements

Traffic view

Endpoints

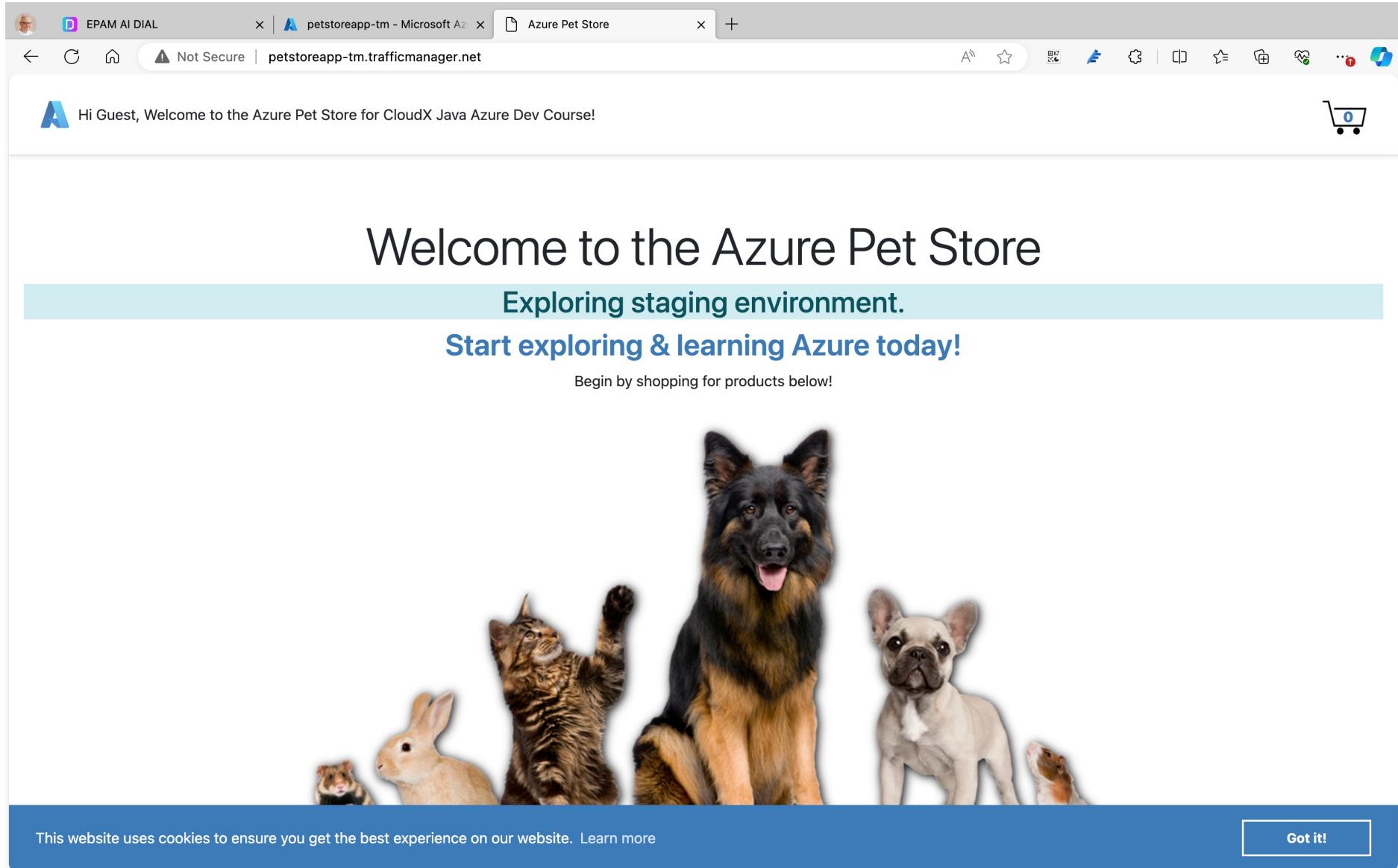
Properties

Locks

 Add  Refresh

 Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓	Type ↑↓	Priority ↑↓
tm-petstoreapp-eastus	Enabled	Online	Azure endpoint	1
tm-petstoreapp-westeurope	Enabled	Online	Azure endpoint	2



```
[→ epam-cloudx-associate-azure-java git:(m3) ✘ az resource list --resource-group $RESOURCES_GROUP --output table
Name                                ResourceGroup    Location      Type
-----                                -----          -----      -----
module3acr                           module3_rg      eastus       Microsoft.ContainerRegistry/registries
asp-web-eastus                        module3_rg      eastus       Microsoft.Web/serverFarms
asp-web-westeurope                     module3_rg      westeurope   Microsoft.Web/serverFarms
asp-api-eastus                         module3_rg      eastus       Microsoft.Web/serverFarms
petstoreapp-eastus                      module3_rg      eastus       Microsoft.Web/sites
petstoreapp-westeurope                  module3_rg      westeurope   Microsoft.Web/sites
petstorepetservice-eastus                module3_rg      eastus       Microsoft.Web/sites
petstoreorderservice-eastus              module3_rg      eastus       Microsoft.Web/sites
petstoreproductservice-eastus            module3_rg      eastus       Microsoft.Web/sites
asp-api-eastus-autoscale                 module3_rg      eastus       microsoft.insights/autoscalesettings
petstoreapp-eastus/staging                module3_rg      eastus       Microsoft.Web/sites/slots
module3acr/webapppetstoreappeastusstaging module3_rg      eastus       Microsoft.ContainerRegistry/registries/webhooks
petstoreapp-tm                           module3_rg      global        Microsoft.Network/trafficmanagerprofiles
[→ epam-cloudx-associate-azure-java git:(m3) ✘ ]
```