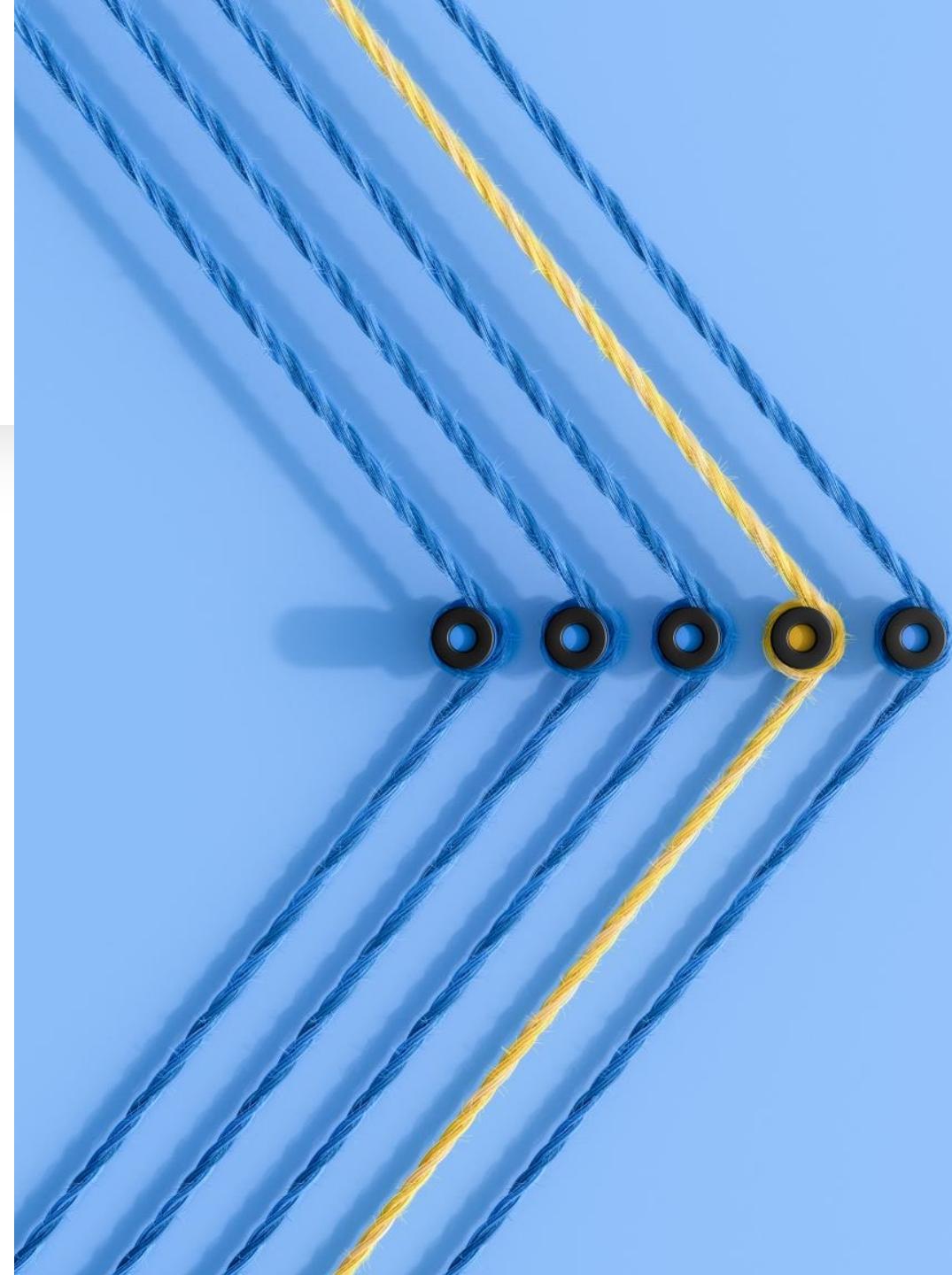


Module 3: App Services

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

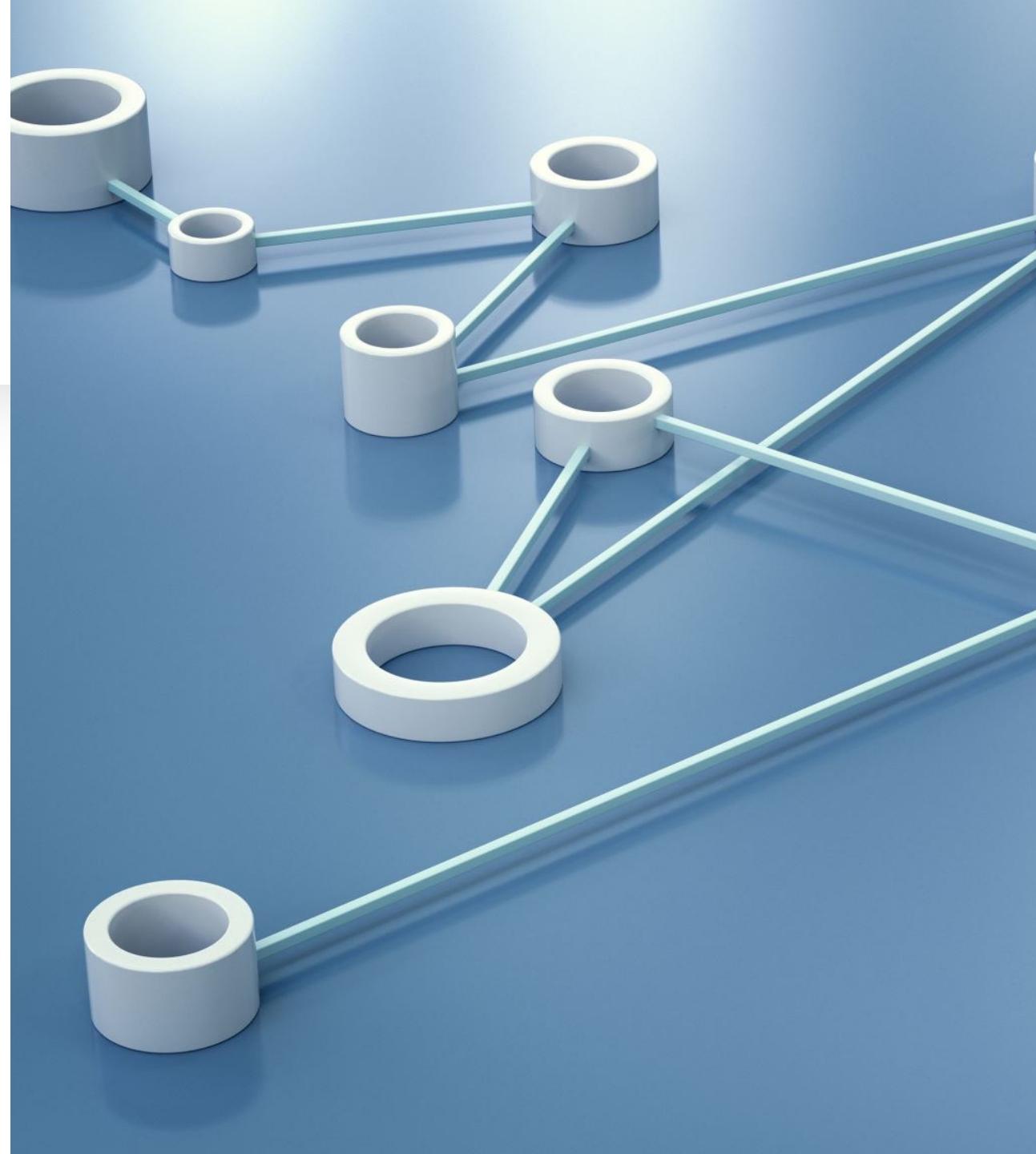
New to ACR, Artifact streaming helps pull images faster from AKS clusters. The 'Artifact streaming status' column shows which repositories are using this feature. [Learn more](#)

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

Deployment

Deployment slots Deployment Center

Performance

Load Testing

Settings

Environment variables Configuration Authentication Application Insights Identity Backups Custom domains

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Swagger UI". The URL in the address bar is <https://petstoreorderservice-eastus.azurewebsites.net/swagger-ui/index.html>. The browser interface includes standard navigation buttons (back, forward, search, etc.) and a toolbar with various icons.

The main content area displays the "Swagger Petstore" documentation, version 1.0.6. It features a dark header with the "Swagger" logo and the text "Supported by SMARTBEAR". A dropdown menu labeled "Select a definition" is set to "default".

The page includes the following information:

- [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](#)

Below this, there are three main sections listed as expandable items:

- 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 Azur

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 an image of a blue ball launcher with a red ball attached by a string, and below it is the text "Ball Launcher". The browser's address bar shows the URL https://petstoreapp-eastus.azurewebsites.net. The top navigation bar includes standard browser controls like back, forward, and search, along with specific Azure-related icons for storage, databases, and monitoring.

 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!

A shopping cart icon with the number 1.

Search and filter icons.

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!

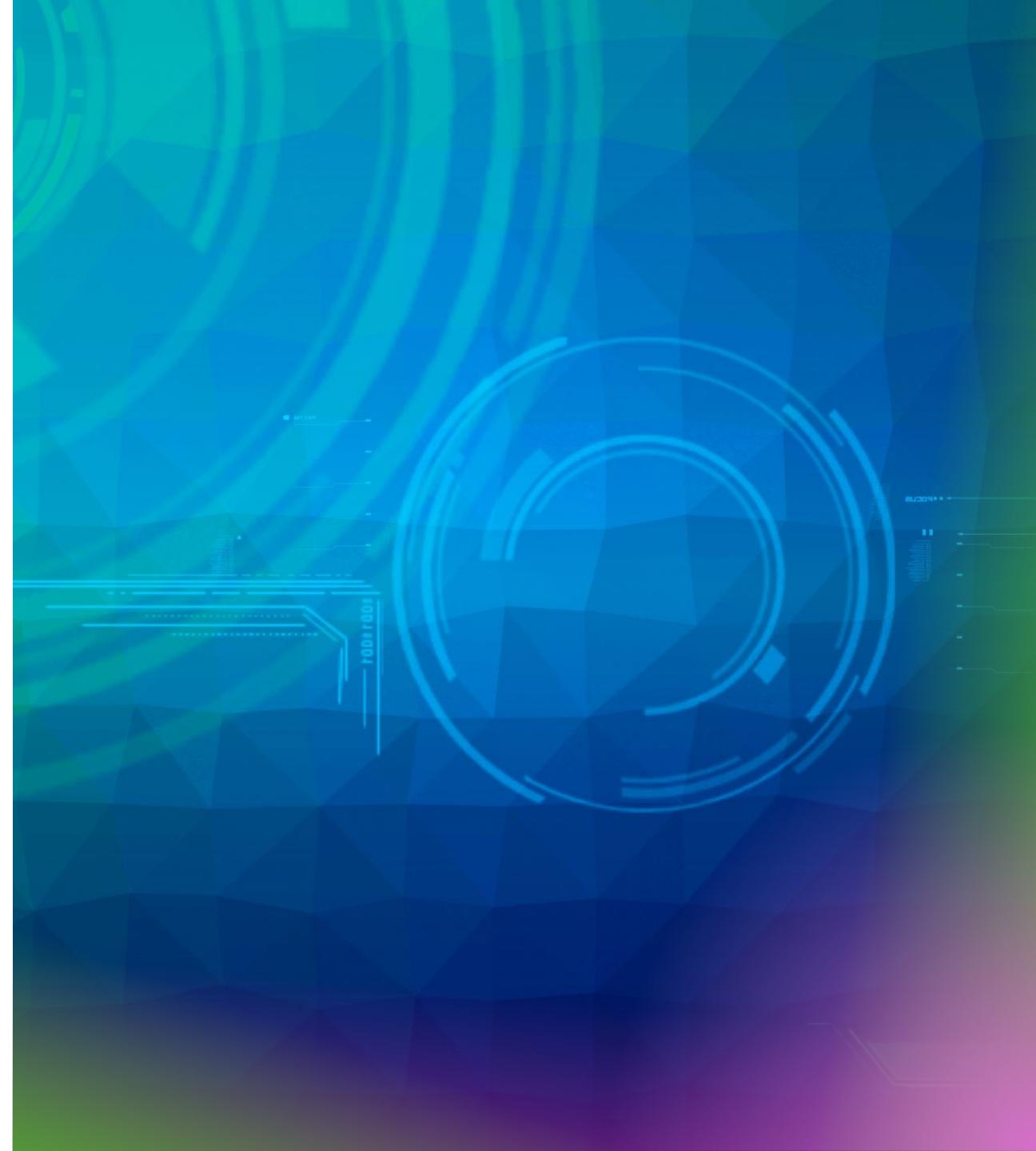


Settings gear icon

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

Refresh Send us your feedback

Memory (GB) 1.75



Settings

[x] Environment variables



Authentication



Identity



Scale up (App Service plan)

Scale out (App Service plan)



App Service plan



Maximum scale (instance) 3

Current instance 1

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 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](#)

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

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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 * info
70 %

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

Time grain statistic * info Time aggregation * info
Average Average

Action

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

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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) ✘
```