(/)

LOGOUT

OPEN HACK ENVIRONMENT ≣

OVERVIEW

OPEN HACK GUIDE

PROVIDE FEEDBACK



Challenge 4 - Welcome to management

Background

As mentioned in Challenge 3, a cluster allows you to minimize the friction that often comes with deployments, scaling, and upgrades. However, initiating these processes manually via <code>kubectl</code> commands or Service Fabric PowerShell scripts can begin to feel just as tedious. Your players also have no way to lookup your servers.

(/) Challenge

LOGOUT

Your team's goal in this challenge is to create a REST API to: list, add and delete instances from your cluster **and** a web application which provides an intuitive visual interface on top of your API for administrators to manage your cluster and players to lookup available servers.

You should also ensure that your telemetry and monitoring solution is kept up to date, and is integrated into web application in a useful way.

The REST API for listing servers should return a JSON array of tenants with the following properties. You may include additional properties in the response as desired, but they will be ignored by the automated verification:

An example response might look like:

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```
[
 {
    "name": "tenant1",
   "endpoints": {
     "minecraft": "128.124.90.1
5:25565",
      "rcon": "128.124.90.15:255
75"
 },
    "name": "tenant2",
    "endpoints": {
      "minecraft": "128.194.90.1
6:25565",
     "rcon": "128.194.90.16:255
75"
 },
    "name": "tenant3",
   "endpoints": {
     "minecraft": "128.194.90.1
6:25566",
      "rcon": "128.194.90.16:255
76"
 }
```

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Success Criteria

]

- Your REST API should be able to add and remove instances from your cluster.
- Your REST API should return a list of servers that meets the above specification.
- Your web application should allow players to view a list of available servers, with relevant information to allow them to connect directly.

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 Your web application should have

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administrative

interface that

the cluster

and

instances

can be

managed

from.

Submit an

endpoint for

your REST

API server-

list to the

OpenHack

portal. The

portal will

verify that

the response

meets our

specification

and that

connections

can be made

to the

returned

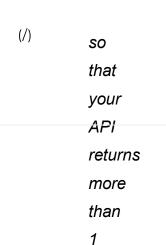
endpoints,

Ensure you

have scaled

your cluster

LOGOUT



Demonstrate

instance.

your

web

application

to

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coach,

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out

the

management

functionality,

and

telemetry

and

monitoring

options

you

have

included.

LOGOUT

(/) References

• Hint:

there

are

no

points

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but

it

helps!

• docs.microsoft.com

(https://docs.microsoft.com

<u>/en-</u>

us/azure/)

ls

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great

place

to

start

considering

options

for

your

solution

here.

• Azure

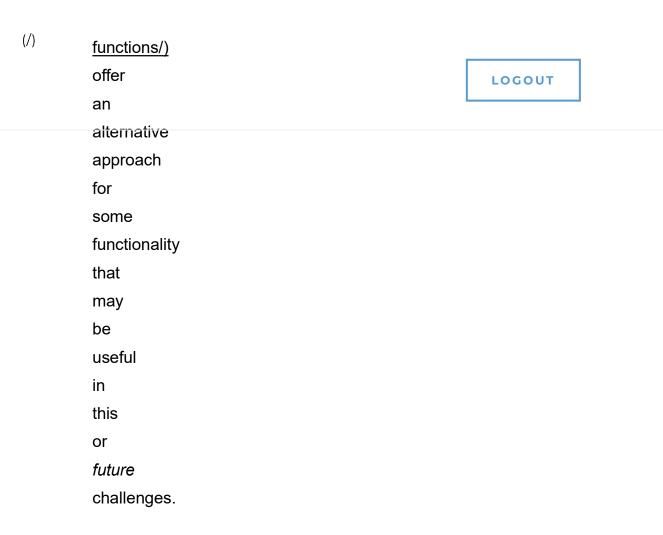
Functions

(https://docs.microsoft.com

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us/azure

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