Lab 06 - Implement Traffic Management

- Task 1: Use a template to provision an infrastructure
- Task 2: Configure an Azure Load Balancer
- Task 3: Configure an Azure Application Gateway

Task 1: Use a template to provision an infrastructure

Used a template to provision an infrastructure

Task 2: Configure an Azure Load Balancer

az104-lb 📌 ☆ ...
Load balancer

→ Move ∨   🗑 Delete   ↻ Refresh   🗨 Give feedback

∧ Essentials   JSON View

Resource group (move) : 1-2032f5de-playground-sandbox   Backend pool   : az104-be (2 virtual machines)
Location   : West US   Load balancing rule : -
Subscription (move)   : P9-Real Hands-On Labs   Health probe   : -
Subscription ID   : 28e1e42a-4438-4c30-9a5f-7d7b488fd883   NAT rules   : 0 inbound
SKU   : Standard   Tier   : Regional
Tags (edit)   : Add tags

See more

Configure high availability and scalability for your applications

I have configured a load balancer, backend pools and public IP addresses and also added rules to determine how incoming traffic should be distributed.

Hello World from az104-06-vm1

Hello World from az104-06-vm0

After all configuration I copied and entered public IP in browser and saw messages and they were changing what demonstrates that the load balancer is rotating through VMs.

Task 3: Configure an Azure Application Gateway

Microsoft.ApplicationGateway-20241023143031 | Overview 📌 ...
Deployment

🗑 Delete   ⊘ Cancel   ⊟ Redeploy   ↓ Download   ↻ Refresh

✓ Your deployment is complete

Deployment name : Microsoft.ApplicationGateway-20241023...   Start time   : 10/23/2024, 2:38:21 PM
Subscription   : P9-Real Hands-On Labs   Correlation ID : 78f9cf85-c4b8-44bc-afcb-9c9a2e8a9d1f
Resource group   : 1-2032f5de-playground-sandbox

> Deployment details

∨ Next steps

Go to resource group

Give feedback

🗨 Tell us about your experience with deployment

✓ Deployment succee
Deployment 'Microsoft.
20241023143031' to res
playground-sandbox' w

📌 Pin to dashbo...

Cost manager
Get notified to
prevent unexp
Set up cost al

Microsoft Def
Secure your a
Go to Microso

Free Microsof
Start learning

Work with an

I used a preconfigured network and create an additional subnet. After that I went to **Application Gateways** and started configuring it. In the **Backends** I created different pools for apps, images and videos. I also configured **path-based routing** by adding two rules for routing to images and videos backend.

Backend health

By default, Azure Application Gateway probes backend servers to check their health and whether they're ready to serve requests. You can also create custom Health Probes to mention a specific hostname and path to be probed or a response code to be accepted as Healthy.

ℹ️ The Backend health report is updated based on the respective probe's refresh interval and doesn't depend on the page refresh.

All	Healthy
❤️ 4	✅ 4
out of 4	out of 4

🔽 Search backend health

Server (backend pool)	Status	Port (Backend se...	Protocol	Details	Action
10.60.2.4 (az104-appgwbe)	✅ Healthy	80 (az104-http)	Http	Success. Received 200 status code	
10.60.1.4 (az104-appgwbe)	✅ Healthy	80 (az104-http)	Http	Success. Received 200 status code	
10.60.2.4 (az104-videobe)	✅ Healthy	80 (az104-http)	Http	Success. Received 200 status code	
10.60.1.4 (az104-imagebe)	✅ Healthy	80 (az104-http)	Http	Success. Received 200 status code	

All servers are healthy as expected.

Video from: az104-06-vm2

Image from: az104-06-vm1

Verifying that I am being directed to image and video servers.