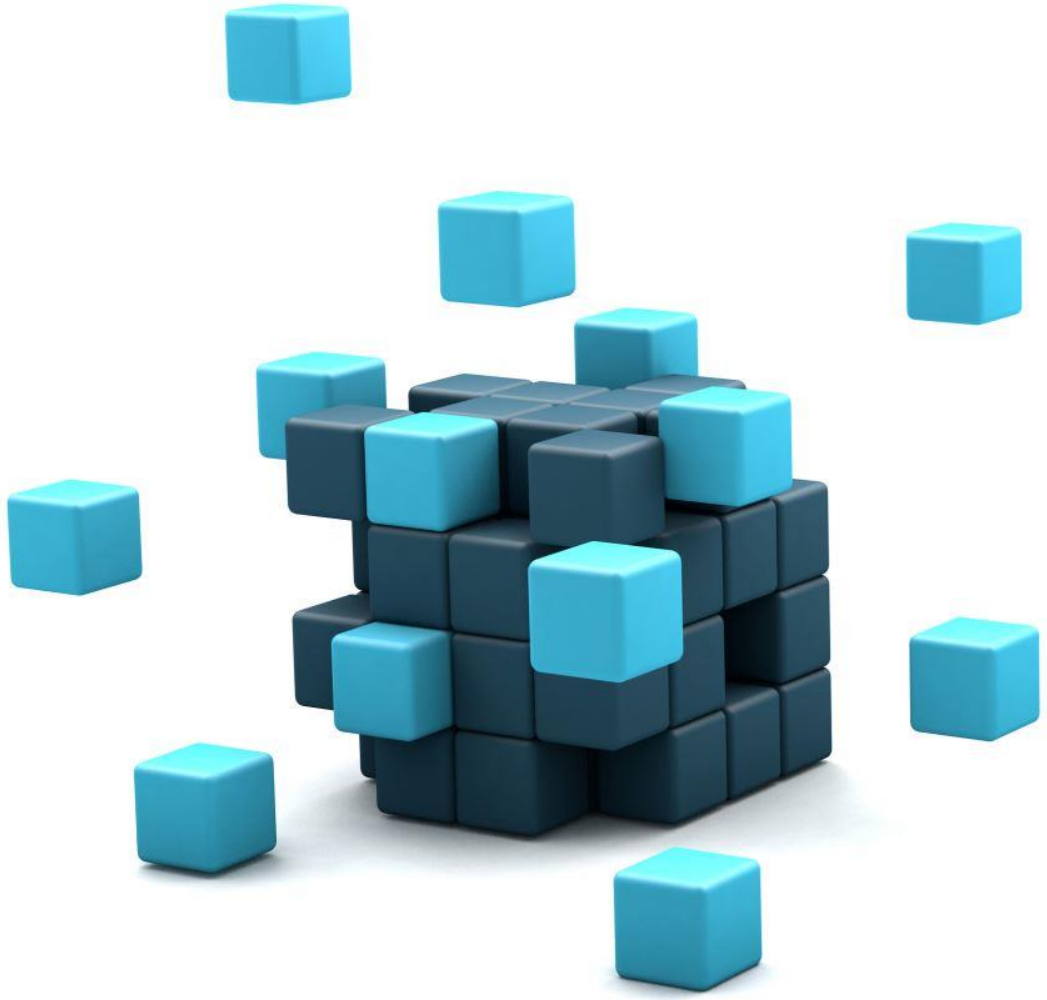
APPLICATION GATEWAY

Introduction to Azure Load Balancer

- Azure Load Balancer distributes incoming network traffic across multiple VMs or services
- Provides high availability, fault tolerance, and better performance
- Supports both public and internal load balancing

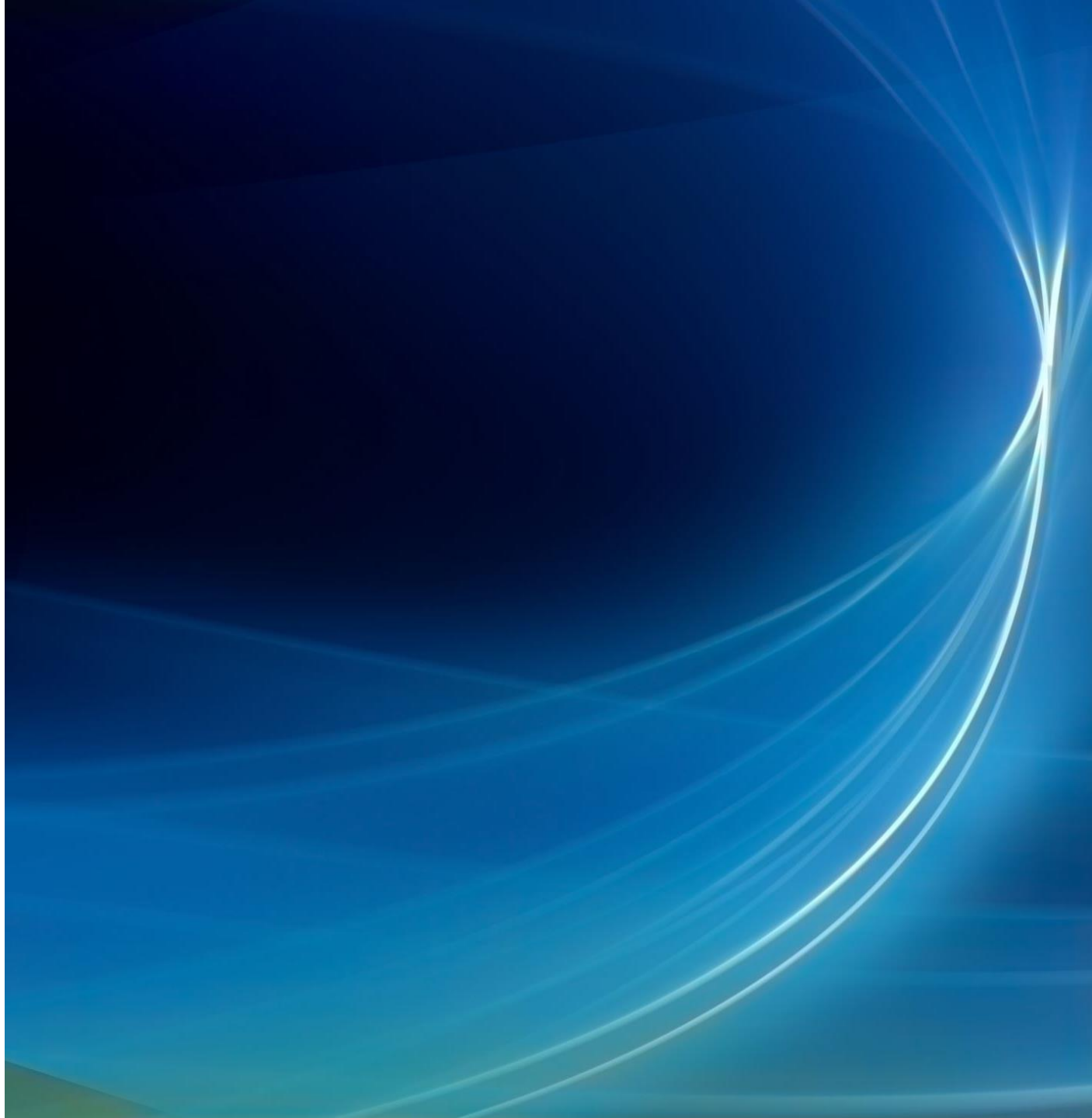
Prerequisites

- An Azure subscription
- Virtual machines or services to load balance
- Availability Sets



Step 1: Sign in to the Azure Portal

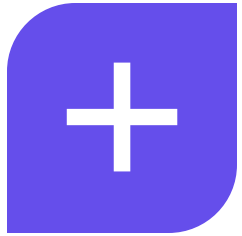
- Go to portal.azure.com in your web browser
- Sign in with your Azure account credentials



Step 2: Create a Load Balancer

- Click on "+ Create a resource" in the upper-left corner
- Search for "Load Balancer" and select it from the results
- Click "Create" to start the creation process

Step 3: Basics Configuration



SELECT SUBSCRIPTION, RESOURCE GROUP, AND REGION

CHOOSE "PUBLIC" OR "INTERNAL" LOAD BALANCER

DEFINE A NAME FOR THE LOAD BALANCER

Step 4: Frontend IP Addresses

- Choose an existing public IP or create a new one
- Select an existing subnet

Step 5: Backend Pools

- Click "Add a backend pool."
- Give it a name
- Select backend VMs or services
- Click "Add" to add them to the pool

Step 6: Health Probes

CLICK "ADD A PROBE."

PROVIDE A NAME

CONFIGURE PROTOCOL, PORT, AND PROBING INTERVALS

DEFINE UNHEALTHY AND HEALTHY THRESHOLDS

Step 7: Load Balancing Rules

- Click "Add a load balancing rule."
- Give it a name
- Define the frontend IP and port
- Choose the backend pool and health probe
- Configure the protocol and backend port

Step 8: Review + Create

- Review all the configurations
- Click "Create" to deploy the Load Balancer

Step 9: Access and Test

- Obtain the public IP address from the overview page
- Update DNS settings or application configurations
- Test your services using the Load Balancer's IP address