

Cloud Computing Assignment-1

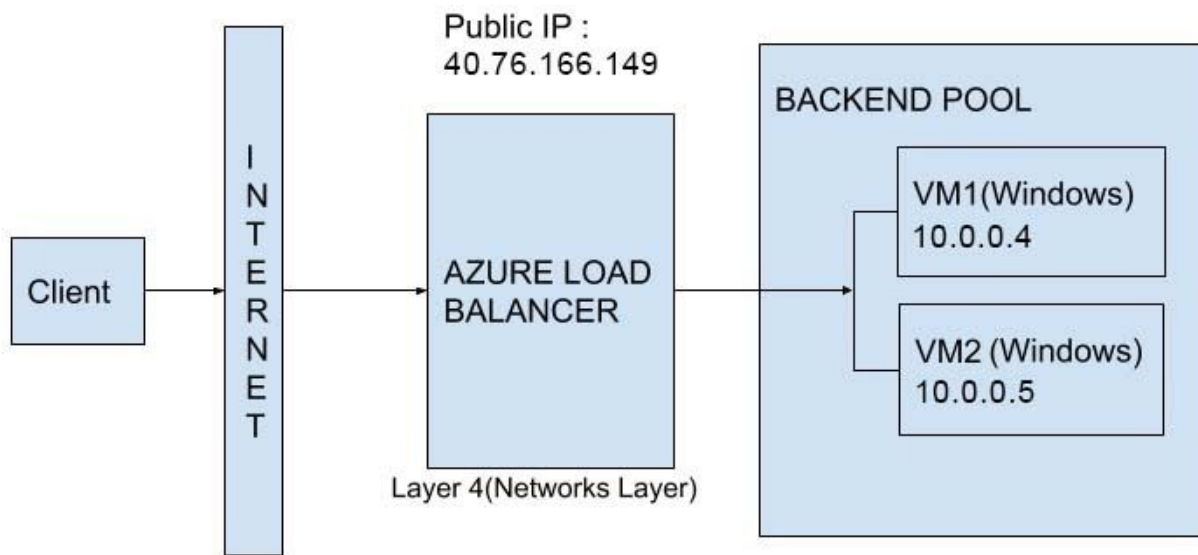
Report

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DIAGRAM REPRESENTATION



CONFIGURATION:

A. Load Balancer Configuration

Health Probe:

Protocol	: HTTP
Port	: 80
Interval	: 5 seconds
Unhealthy Threshold	: 2

Load Balancer Rule:

Front End Protocol	: TCP
Front End Port	: 80
Back End Port	: 80

Back End Pool : 2 VMs

B. Virtual Machine Configuration

a. Windows Virtual Machine(VM1) :

- i. Size : Standard B2s
- ii. vCPUs : 2
- iii. RAM : 4GB
- iv. Operating System : Windows (Windows Server 2019 Datacenter)

b. Windows Virtual Machine(VM1) :

- i. Size : Standard B2s
- ii. vCPUs : 2
- iii. RAM : 4GB
- iv. Operating System : Windows (Windows Server 2019 Datacenter)

C. Web Server Configuration

WebServer Used in Windows VM1 : IIS server

WebServer Used in Windows VM2: IIS server

D. IP Addresses:

- a. Public IP : 40.76.166.149
- b. Private IP(VM1) : 10.0.0.4
- c. Private IP (VM2) : 10.0.0.5

STEPS:

1. First create load balancer

- a. Create a backend pool containing the IP addresses of the virtual (NICs) connected to the load balancer and virtual machines.
- b. Create a health probe with HTTP protocol at port 80. Set interval between
- c. probe attempts and number of Unhealthy threshold before a VM is
- d. considered unhealthy.
- e.