

Questions

Is network monitoring available?

Is a Content Delivery Network (CDN) available?

Sample Measurements

1) Same AZ

2) Different AZ

3) Different Region

Public IPs

- Public IPs for VMs?

- Available kinds of public IPs for VMs

- Public IPs for Load Balancers?

- Available kinds of public IPs for Load Balancers

Is a dedicated network connection from datacenter to public cloud possible?

Network Security features (Network Traffic analysis, Network Security Groups)

VPN as a Service

Traffic costs per GB

AWS

yes

yes

Iperf Result:

1)

TCP:

Bandwidth

Sender: 953 Mbits/sec

Receiver: 952 Mbits/sec

UDP:

Bandwidth: 1.05 Gbit/sec

2)

TCP:

Bandwidth

Sender: 896 Mbits/sec

Receiver: 895 Mbits/sec

UDP:

Bandwidth: 1.35 Gbit/sec

3)

TCP:

Bandwidth

Sender: 125 Mbits/sec

Receiver: 123 Mbits/sec

UDP:

Bandwidth: 1.94 Gbit/sec

yes

floating / static

yes

static

yes (AWS Direct Connect)

- AWS Web Application Firewall

- Network security groups

- Network Traffic analysis

yes

€ 0.13 / \$ 0.15

Azure

yes

yes

Iperf Result:

1)

TCP:

Bandwidth

Sender: 893 Mbits/sec

Receiver: 891 Mbits/sec

UDP:

Bandwidth: 852 Mbit/sec

2)

TCP:

Bandwidth

Sender: 1.15 Gbit/sec

Receiver: 1.14 Gbit/sec

UDP:

Bandwidth: 827 Mbit/sec

3)

TCP:

Bandwidth

Sender: 902 Mbits/sec

Receiver: 902 Mbits/sec

UDP:

Bandwidth: 944 Mbit/sec

yes

floating / static

yes

static

yes (Azure Express Route)

- Azure Firewall

- Azure Front Door

- Azure Network Watcher

- Azure Security Center

- Azure DDoS protection

- Network access control

- Network layer control

- Network security rules (NSGs)

yes

€ 0.009 / \$ 0.01

Google Cloud Platform

yes

yes

Iperf Result:

1)

TCP:

Bandwidth

Sender: 1.91 Gbit/sec

Receiver: 1.90 Gbit/sec

UDP:

Bandwidth: 3.80 Mbit/sec

2)

TCP:

Bandwidth

Sender: 1.88 Gbit/sec

Receiver: 1.88 Gbit/sec

UDP:

Bandwidth: 3.79 Gbit/sec

3)

TCP:

Bandwidth

Sender: 367 Mbits/sec

Receiver: 365 Mbits/sec

UDP:

Bandwidth: 3.80 Gbit/sec

yes

floating / static

yes

static

yes (Google Cloud Interconnect)

- Firewall

- Network security groups

- Network Traffic analysis

yes

€ 0.073 / \$ 0.082

IBM Cloud

yes

yes

Iperf Result:

1)

TCP:

Bandwidth

Sender: 102 Mbits/sec

Receiver: 99.9 Mbits/sec

UDP:

Bandwidth: 99 Mbit/sec

2)

TCP:

Bandwidth

Sender: 102 Mbits/sec

Receiver: 99.9 Mbits/sec

UDP:

Bandwidth: 98.9 Mbits/sec

3)

TCP:

Bandwidth

Sender: 102 Mbits/sec

Receiver: 100 Mbits/sec

UDP:

Bandwidth: 98.8 Mbit/sec

yes

floating/static

yes

static

yes

- Network Security Groups

- Firewalls (Multi VLAN, Single VLAN and Web App)

- DDOS mitigation

yes

€ 0.078 / \$ 0.087

OTC

yes

yes

Iperf Result:

1)

TCP:

Bandwidth

Sender: 85.8 Mbits/sec

Receiver: 84.8 Mbits/sec

UDP:

Bandwidth: 4.41 Gbit/sec

2)

TCP:

Bandwidth

Sender: 106 Mbits/sec

Receiver: 105 Mbits/sec

UDP:

Bandwidth: 3.87 Gbits/sec

3) N/A

yes

static

yes

static

yes

- Network Security Groups

- Firewalls (Multi VLAN, Single VLAN and Web App)

yes

€ 0.06 / \$ 0.067