

Network

Questions	AWS	Azure		Google Cloud Platform	IBM Cloud	OTC
Is network monitoring available?	yes	yes		yes	yes	yes
Is a Content Delivery Network (CDN) available?	yes	yes		yes	yes	yes
Sample Measurements 1) Same AZ 2) Different AZ 3) Different Region	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 4590 Mbits/sec Receiver: 4590 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 4600 Mbits/sec Receiver: 4590 Mbits/sec</p> <p>3) TCP: Bandwidth Sender: 864 Mbits/sec Receiver: 863 Mbits/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 920 Mbit/sec Receiver: 918 Mbit/sec</p> <p>2) TCP:[™] Bandwidth Sender: 903 Mbit/sec Receiver: 901 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 923 Mbit/sec Receiver: 921 Mbit/sec</p>		<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 1540 Mbit/sec Receiver: 1540 Mbit/sec</p> <p>2) TCP: Bandwidth Sender: 1910 Mbit/sec Receiver: 1910 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 54.2 Mbits/sec Receiver: 53.9 Mbits/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 925 Mbits/sec Receiver: 924 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 925 Mbits/sec Receiver: 924 Mbits/sec</p> <p>3) TCP: Bandwidth Sender: 647 Mbits/sec Receiver: 646 Mbits/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 977 Mbits/sec Receiver: 971 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 847 Mbits/sec Receiver: 844 Mbits/sec</p> <p>3) N/A</p>
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	<p>yes</p> <p>floating / static</p> <p>yes</p> <p>static</p>	<p>yes</p> <p>floating / static</p> <p>yes</p> <p>static</p>		<p>yes</p> <p>floating / static</p> <p>yes</p> <p>static</p>	<p>yes</p> <p>floating/static</p> <p>yes</p> <p>static</p>	<p>yes</p> <p>static</p> <p>yes</p> <p>static</p>
Is a dedicated network connection from datacenter to public cloud possible?	- yes (AWS Direct Connect)	- yes (Azure Express Route)		- yes (Google Cloud Interconnect)	- yes	- yes
Network Security features (Network Traffic analysis, Network Security Groups)	<ul style="list-style-type: none"> - AWS Web Application Firewall - Network security groups - Network Traffic analysis 	<ul style="list-style-type: none"> - Azure Firewall - Azure Front Door - Azure Network Watcher - Azure Security Center - Azure DDoS protection - Network access control - Network layer control - Network security rules (NSGs) 		<ul style="list-style-type: none"> - Firewall - Network security groups - Network Traffic analysis 	<ul style="list-style-type: none"> - Network Security Groups - Firewalls (Multi VLAN, Single VLAN and Web App) - DDOS mitigation 	<ul style="list-style-type: none"> - Network Security Groups - Firewalls (Multi VLAN, Single VLAN and Web App)
VPN as a Service	yes	yes		yes	yes	yes
Traffic costs per GB	\$ 88.65 / 1TB	\$ 88.65 / 1TB		\$ 120 / 1TB	\$ 65.00 / 1TB / 1Gbit interface	€ 0.06 / \$ 0.067