

Network

Questions	AWS	Azure		Google Cloud Platform	IBM Cloud	OTC	OVH
Is network monitoring available?	yes	yes		yes	yes	yes	yes
Is a Content Delivery Network (CDN) available?	yes	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: 4580 Mbits/sec Receiver: 4575 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 4635 Mbits/sec Receiver: 4630 Mbits/sec</p> <p>3) TCP: Bandwidth Sender: 865 Mbits/sec Receiver: 864 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: 904 Mbit/sec Receiver: 902 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 847 Mbit/sec Receiver: 846 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: 1895 Mbit/sec Receiver: 1895 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 217 Mbits/sec Receiver: 217 Mbits/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 918 Mbits/sec Receiver: 917 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 921 Mbits/sec Receiver: 920 Mbits/sec</p> <p>3) TCP: Bandwidth Sender: 678 Mbits/sec Receiver: 677 Mbits/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 695 Mbits/sec Receiver: 692 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 687 Mbits/sec Receiver: 685 Mbits/sec</p> <p>3) N/A</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 245 Mbits/sec Receiver: 244 Mbits/sec</p> <p>2) TCP: Bandwidth Sender: 245 Mbits/sec Receiver: 244 Mbits/sec</p> <p>3) TCP: Bandwidth Sender: 226 Mbits/sec Receiver: 225 Mbits/sec</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>	<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 (IBM Cloud Direct Link)	- yes (Direct Connect)	- yes (OVHcloud Connect)
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) 	<ul style="list-style-type: none"> - Network Security Groups - Firewalls
VPN as a Service	yes	yes		yes	yes	yes	yes
Traffic costs per GB	\$ 0.02 USD / 1GB	different 0 - 5GB free 5GB - 10TB 0.10 USD/GB		\$ 0,02 / 1GB	\$ 0.09 / 1GB	\$ 0.075 / 1GB	\$ 0,00