

Network

Questions	AWS	Azure		Google Cloud Platform	IBM Cloud	OTC	OVH
Is network monitoring available?	yes	yes		yes	yes	yes	no
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: 4.70 Gbit/sec Receiver: 4.68 Gbit/sec UDP: Bandwidth: 7.21 Gbit/sec</p> <p>2) TCP: Bandwidth Sender: 4.54 Gbit/sec Receiver: 4.52 Gbit/sec UDP: Bandwidth: 7.46 Gbit/sec</p> <p>3) TCP: Bandwidth Sender: 454 Mbit/sec Receiver: 452 Mbit/sec UDP: Bandwidth: 7.69 Gbit/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 901 Mbit/sec Receiver: 899 Mbit/sec UDP: Bandwidth: 919 Mbit/sec</p> <p>2) TCP: Bandwidth Sender: 899 Mbit/sec Receiver: 897 Mbit/sec UDP: Bandwidth: 920 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 835 Mbit/sec Receiver: 834 Mbit/sec UDP: Bandwidth: 925 Mbit/sec</p>		<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 5.99 Gbit/sec Receiver: 5.98 Gbit/sec UDP: Bandwidth: 639 Mbit/sec</p> <p>2) TCP: Bandwidth Sender: 5.83 Gbit/sec Receiver: 5.82 Gbit/sec UDP: Bandwidth: 588 Mbit/sec</p> <p>3) TCP: Bandwidth Sender: 224 Mbit/sec Receiver: 223 Mbit/sec UDP: Bandwidth: 410 Mbit/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 925 Mbit/sec Receiver: 919 Mbit/sec UDP: Bandwidth: 1.81 Gbit/sec</p> <p>2) TCP: Bandwidth Sender: 917 Mbit/sec Receiver: 911 Mbit/sec UDP: Bandwidth: 2.06 Gbit/sec</p> <p>3) TCP: Bandwidth Sender: 836 Mbit/sec Receiver: 831 Mbit/sec UDP: Bandwidth: 1.57 Gbit/sec</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 3.09 Gbit/sec Receiver: 3.08 Gbit/sec UDP: Bandwidth: 1.48 Gbit/sec</p> <p>2) TCP: Bandwidth Sender: 3.00 Gbit/sec Receiver: 2.99 Gbit/sec UDP: Bandwidth: 2.18 Gbits/sec</p> <p>3) N/A</p>	<p>Iperf Result:</p> <p>1) TCP: Bandwidth Sender: 245 Mbit/sec Receiver: 244 Mbit/sec UDP: Bandwidth: 5.10 Gbit/sec</p> <p>2) N/A</p> <p>3) TCP: Bandwidth Sender: 244 Mbit/sec Receiver: 243 Mbit/sec UDP: Bandwidth: 5.05 Gbit/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	yes floating / static yes static	yes floating / static yes static		yes floating / static yes static	yes floating/static yes static	yes static yes static	yes static yes static
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 (Direct Connect - MPLS)	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 Firewall – Failover IP – vRack (private network) – OVHCloud Connect – Bandwidth – Load Balancers – Anti-DDoS protection
VPN as a Service	yes	yes		yes	yes	yes	yes
Traffic costs per GB	€ 0.13 / \$ 0.15	€ 0.009 / \$ 0.01		€ 0.073 / \$ 0.082	€ 0.078 / \$ 0.087	€ 0.06 / \$ 0.067	included