

Questions	AWS	Azure	Google Cloud Platform	IBM Cloud	OTC
Small VM: OS Ubuntu 16.04; 2vCPUs; 8GB RAM; min. 50GB HDD; Location: Germany, if unavailable: Western Europe, if unavailable: Europe	yes	yes	yes	yes	yes
Medium VM: OS Ubuntu 16.04; 4vCPUs; 16GB RAM; min. 50GB HDD; Location: Germany, if unavailable: Western Europe, if unavailable: Europe	yes	yes	yes	yes	yes
Large VM: OS Ubuntu 16.04; 8vCPUs; 32GB RAM; min. 50GB HDD; Location: Germany, if unavailable: Western Europe, if unavailable: Europe	yes	yes	yes	yes	yes
GPU support for the VM?	yes	yes	yes	yes	yes
AutoScaling for VM?	yes	yes	yes	yes	yes
Availability Zones (i.e Availability set) possible	yes	yes	yes	yes	yes
Startup-time (ill time of availability)					
- Small	50 sec	109 sec	45 sec	125 sec	76 sec
- Medium	53 sec	135 sec	49 sec	160 sec	90 sec
- Large	53 sec	163 sec	52 sec	340 sec	97 sec
Count of steps until VM is created	7 steps	4 Steps	2 Steps	4 Steps	3 Steps
RAM throughput (sysbench, Block size 1k)					
- Read	813.77 MB/sec	4200.20 MB/sec	4316.74 MB/sec	606.40 MB/sec	4569.01 MB/sec
- Write	778.55 MB/sec	3249.21 MB/sec	3506.16 MB/sec	583.99 MB/sec	3684.60 MB/sec
CPU speed (geekbench)					
- Small Single Core					
- Small Multi Core	3368	3254	2865	2590	3198
- Medium Single Core	6410	3787	3803	4952	5934
- Medium Multi Core	3388	3045	2959	2616	3308
- Large Single Core	11732	6475	7205	8659	11329
- Large Multi Core	3478	3518	2942	2567	3310
- Large Multi Core	21712	13226	13296	15316	20846
VM accessible via Console	no	no	yes	yes	yes
Total cost of VM per month (732hrs)					
- Small	€ 61.10 / \$ 69.12	€ 75.29 / \$ 89.28	€ 54.72 / \$ 62.55	€ 78.77 / \$ 88.37	€ 72.45 / \$ 83.86
- Medium	€ 118.71 / \$ 134.29	€ 150.58 / \$ 186.56	€ 109.43 / \$ 125.09	€ 141.19 / \$ 158.39	€ 150.28 / \$ 168.80
- Large	€ 239.17 / \$ 270.96	€ 301.16 / \$ 350.40	€ 218.86 / \$ 250.19	€ 301.21 / \$ 337.91	€ 292.42 / \$ 329.20
	- VMDK - RAW - VHD/VHDX	- VHD - VMDK - VDI - QCOW2 - RAW	- AKI - VDI - RAW	- VMDK - AKI - ARI - AMI - QCOW2 - RAW	- VMDK - QCOW2 - RAW - VHD - VHDX
Supported disk formats / images	Amount CPUs: 128 RAM size: 1952 GB Disk size: 2048 GB	Amount CPUs: 128 RAM size: 3892 GB Disk size: 4096 GB Amount Disk: 64	Amount CPUs: 160 RAM size: 3844 GB Disk size: 64 TB Amount Disk: 128	Amount CPUs: 64 RAM size: 512 GB Disk size: 12 TB	Amount CPUs: 60 RAM size: 940 GB
Are there any limitations per VM?					
Can bare-metal servers be deployed via the cloud?	yes	no	no	yes	yes
	- KVM - Xen	- HyperV	- KVM	- PowerVM - VMware ESX Server - Xen - KVM - zVM	- XEN - KVM
Which hypervisor is used?					