

## Compute

Questions	AWS	Azure		Google Cloud Platform	IBM Cloud	OTC	OVH
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	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	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	yes
GPU support for the VM?	yes	yes		yes	yes	no	yes
AutoScaling for VM?	yes	yes		yes	yes	yes	no
Availability Zones (i.e Availability set) possible	yes	yes		yes	yes	yes	no
Startup-time (till time of availability) - Small - Medium - Large	28 sec 29 sec 30 sec	112 sec 125 sec 145 sec		57 sec 44 sec 43 sec	514 sec 496 sec 582 sec	50 sec 59 sec 69 sec	39 sec 40 sec 45 sec
Count of steps until VM is created	7 steps	7 Steps		2 Steps	4 Steps	4 Steps	5 Steps
RAM throughput (sysbench, Block size 1k) - Read - Write	860.19 MB/sec 822.12 MB/sec	4894.59 MB/sec 3710.21 MB/sec		4510.19 MB/sec 3540.88 MB/sec	796.62 MB/sec 759.06 MB/sec	4198.97 MB/sec 3452.77 MB/sec	4340.03 MB/sec 3432.97 MB/sec
CPU speed (geekbench) - Small Single Core - Small Multi Core - Medium Single Core - Medium Multi Core - Large Single Core - Large Multi Core	3096 5991 3139 10857 3537 20995	3086 3658 3060 6687 3200 11882		3070 3824 3050 7258 3058 13460	2627 4971 2772 9395 2636 16380	2915 5408 2906 9527 2980 18568	3147 5740 2907 9804 3110 17932
VM accessible via Console	no	yes		yes	yes	yes	yes
Total cost of VM per month (732hrs) - Small - Medium - Large	€ 69.91 / \$ 78.48 € 139.80 / \$ 156.95 € 279.60 / \$ 313.89	€ 73.92 / \$ 99.28 € 147.75 / \$ 175.20 € 295.49 / \$ 350.40		€ 56.09 / \$ 62.54 € 110.17 / \$ 125.09 € 220.34 / \$ 250.18	€ 80.63 / \$ 89.94 € 154.54 / \$ 172.39 € 302.19 / \$ 337.10	€ 74.75 / \$ 83.86 € 150.28 / \$ 168.60 € 292.42 / \$ 328.20	
Supported disk formats / images	- OVA - VMDK - RAW - VHD/VHDX	- VHD - VMDK - VHDX - QCOW2 - RAW		- VMDK - VDH - RAW	- VMDK - AKI - ARI - AMI - QCOW2 - RAW	- VMDK - VHD - VHDX - QCOW2 - RAW	- VMDK - ISO - ARI - AKI - AMI - VDI - VHD
Are there any limitations per VM?	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	
Can bare-metal servers be deployed via the cloud?	yes	no		yes	yes	yes	yes
Which hypervisor is used?	- KVM - Xen	- Hyper-V		- KVM	- PowerVM - VMware ESX Server - Xen - KVM - z/VM	- Xen - KVM	
Is autorecovery available	yes	yes		no	yes	yes	