

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 (2vCPU; 7GB RAM)
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 (4vCPU; 15GB RAM)
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 (8vCPU; 30GB RAM)
GPU support for the VM?	yes	yes		yes	yes	yes	yes
AutoScaling for VM?	yes	yes		yes	yes	yes	yes
Availability Zones (i.e Availability set) possible	yes	yes		yes	yes	yes	yes
Startup-time (till time of availability) - Small - Medium - Large"	13 sec 13 sec 13 sec"	108 sec 108 sec 108 sec"		14 sec 14 sec 16 sec"	116 sec 126 sec 130 sec"	75 sec 75 sec 75 sec"	108 sec 118 sec 129 sec"
Count of steps until VM is created	7 steps	4 Steps		2 Steps	4 Steps	3 Steps	3 Steps
RAM throughput (sysbench, Block size 1k) small VM - Read - Write medium VM - Read - Write large VM - Read - Write"	4761.65 MiB/sec 3850.83 MiB/sec 4921.15 MiB/sec 4057.02 MiB/sec 5279.2 MiB/sec 4266.18 MiB/sec"	4543.87 MB/sec 2824.28 MB/sec 4792.14 MB/sec 3089.48 MB/sec 3747.45 MB/sec 2342.28 MB/sec"		4746.94 MiB/sec 3731.66 MiB/sec 4726.36 MiB/sec 3711.89 MiB/sec 4783.11 MiB/sec 3726.87 MiB/sec"	386.49 MiB/sec 365.83 MiB/sec 334.34 MiB/sec 338.35 MiB/sec 489.83 MiB/sec 357.99 MiB/sec"	5633.20 MB/sec 4496.73 MB/sec 5645.14 MB/sec 5645.99 MB/sec 5646.19 MB/sec 4496.22 MB/sec"	3952.33 MiB/sec 2825.59 MiB/sec 4592.82 MiB/sec 3515.47 MiB/sec 3725.2 MiB/sec 2642.85 MiB/sec"
CPU speed - Small Single Core - Small Multi Core - Medium Single Core - Medium Multi Core - Large Single Core - Large Multi Core	2992 3978 2900 7645 3628 14462	3212 3810 3634 7916 3303 13884		3128 3697 3284 7107 3239 13291	1541 2934 1835 3071 2238 3614	4109 7591 4106 14007 4126 25903	2955 5268 3718 11383 30011 18204
VM accessible via Console	yes	yes		yes	yes	yes	yes
Total cost of VM per month (732hrs) - Small - Medium - Large"	\$ 70.28 / t3.large \$ 140.55 / t3.xlarge \$ 281.09 / t3.2xlarge	\$ 83.95 / D2 v3 \$ 167.90 / D4 v3 \$ 335.80 / D8 v3"		\$ 62.55 / n1-standard-2 \$ 125.09 / n1-standard-4 \$ 250.19 / n1-standard-8"	\$ 70.00 / bc1-2x8 \$ 140.00 / bc1-4x16 \$ 281.00 / bc1-8x32"	€ 72.45 / \$ 78.26 / s2.large.4 € 145.24 / \$ 156.88 / s2.xlarge.4 € 290.30 / \$ 313.57 / s2.2xlarge.4"	\$ 26.40 / EG-7 (2c/7GB) \$ 50.40 / EG-15 (4c/15 GB) \$ 102.00 / EG-30 (8c/30GB)"
Supported disk formats / images	- OVA - VMDK - RAW - VHD/VHDX"	- VHD - VMDK - VHDX - QCOW2 - RAW"		- VMDK - VDH - RAW"	- VMDK - AKI - ARI - AMI - QCOW2 - RAW"	- VMDK - QCOW2 - RAW - VHD - VHDX - ZVHD2"	- QCOW2 - RAW - VMDK - ISO - AMI/AKI/ARI - VDI - VHD"
Are there any limitations per VM?	Amount CPUs: 128 RAM size: 3904 GB"	Amount CPUs: 128 RAM size: 3800 GB"		Amount CPUs: 416 RAM size: 11776 GB"	Amount CPUs: 192 RAM size: 8192 GB"	Amount CPUs: 208 RAM size: 2932 GB"	Amount CPUs: 32 RAM size: 240 GB"
Can bare-metal servers be deployed via the cloud?	yes	no		yes	yes	yes	yes
Which hypervisor is used?	- KVM - Xen - Nitro "	- Hyper-V		- KVM	- PowerVM - VMware ESX Server - Xen - KVM - z/VM"	- KVM"	- KVM