

Add a data disk to the OTC appliance

The default image comes with a limited size. You need to attach a data disk and format it before installing Nextthink.

Create Data disk in OTC

- From the main dashboard, navigate to Storage > Elastic Volume Service.
- Press Create Disk button in top-right corner
- Enter the following characteristics for the disk:
 - Disk I/O: choose at least High I/O for the Portal machine and Ultra High I/O for the Engine(s) appliance
 - Select Auto Backup and choose a policy for the disk backups
 - Choose the disk name.

Create Disk [Back to Disk List](#)

Region: eu-de
Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.

AZ: eu-de-02 | eu-de-01
Disks can only be attached to servers in the same AZ. Once a disk has been created, you cannot change the AZ of the disk.

Disk Specifications: High I/O | 40 GB | Create from backup | Create from snapshot
 Share | SCSI | Encryption

Auto Backup: Enable | Recommended

Backup Policy: defaultPolicy | Daily backup | Disabled | 10:00 | ev... | Manage Backup Policy

Tag: Key: Tag key | Value: Tag value
You can add 10 more tags.

Disk Name: portal-data
If you create multiple disks at a time, the value you entered will be used as the prefix of disk names, and one disk name will be composed of this value and a four-digit number. For example, if you enter my_disk and set the quantity to 2, the disk names will be my_disk-0001 and my_disk-0002.

[Price Calculator](#) | [Click here to view full service specification.](#) | [Create Now](#)

- Upon creation, the disk also needs to be attached to the VM of your choice, this can be done from the Elastic Volume Service main page:

ID	Name	Size	IO	Backup	Encryption	Region	Actions
portal-data	portal-data	40 GB	High I/O	Enabled	Disabled	eu-de-02	Attach Expand Capacity More

- The disk attachment is done in a 'hot plug' way, there is no need to restart the VM once it's been attached, you can check the new disk is visible from the VM using the command 'lsblk' (in the below example, a new disk vdb appeared):

```
[nextthink@release-62012 2019-02-08 14:50:14 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
vda         252:0    0    8G  0 disk
|-vda1      252:1    0    1M  0 part
|-vda2      252:2    0 1000M  0 part /boot
~-vda3      252:3    0   6.9G  0 part
  ~-nxt-root 253:0    0   6.9G  0 lvm  /
vdb         252:16   0   40G  0 disk
```

- The script to format the disk is already present on the appliance, all you need to do is to run (make sure you use the correct disk identifier, in this example /dev/vdb):

```
sudo sh /tmp/FormatDataDisk.sh /dev/vdb
```

- Using 'df -ah' command, you should be able to see the new partition:

```
[nextthink@release-62012 2019-02-08 14:56:07 tmp]$ df -ah
Filesystem      Size  Used Avail Use% Mounted on
rootfs          -     -   -    -   /
sysfs           0     0   0    -   /sys
proc            0     0   0    -   /proc
devtmpfs       891M   0 891M   0%  /dev
securityfs     0     0   0    -   /sys/kernel/security
tmpfs          919M   0 919M   0%  /dev/shm
devpts         0     0   0    -   /dev/pts
tmpfs          919M  17M 903M   2%  /run
tmpfs          919M   0 919M   0%  /sys/fs/cgroup
cgroup         0     0   0    -   /sys/fs/cgroup/systemd
pstore         0     0   0    -   /sys/fs/pstore
cgroup         0     0   0    -   /sys/fs/cgroup/freezer
cgroup         0     0   0    -   /sys/fs/cgroup/devices
cgroup         0     0   0    -   /sys/fs/cgroup/hugetlb
cgroup         0     0   0    -   /sys/fs/cgroup/cpuset
cgroup         0     0   0    -   /sys/fs/cgroup/net_cls,net_prio
cgroup         0     0   0    -   /sys/fs/cgroup/memory
cgroup         0     0   0    -   /sys/fs/cgroup/blkio
cgroup         0     0   0    -   /sys/fs/cgroup/perf_event
cgroup         0     0   0    -   /sys/fs/cgroup/cpu,cpuacct
cgroup         0     0   0    -   /sys/fs/cgroup/pids
configfs       0     0   0    -   /sys/kernel/config
/dev/mapper/nxt-root 6.6G 1.5G 4.8G  24% /
systemd-1     -     -   -    -   /proc/sys/fs/binfmt_misc
mqueue        0     0   0    -   /dev/mqueue
hugetlbfs     0     0   0    -   /dev/hugepages
debugfs       0     0   0    -   /sys/kernel/debug
/dev/vda2     969M  87M 817M  10% /boot
tmpfs         184M   0 184M   0%  /run/user/1000
/dev/mapper/nxtdatapool-nxtdata 40G 49M 38G   1% /var/nextthink
binfmt_misc   0     0   0    -   /proc/sys/fs/binfmt_misc
```

- The disk is ready and you can now install Nextthink :