Katakate -- K7



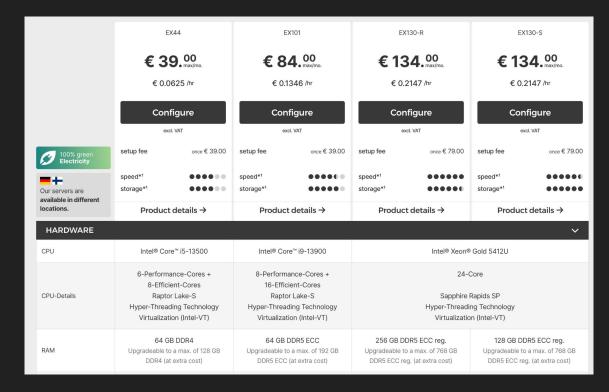
Hetzner node setup



Pick a dedicated instance exposing hardware virtualization

Since you need hardware virtualization exposed, cloud VMs won't do.

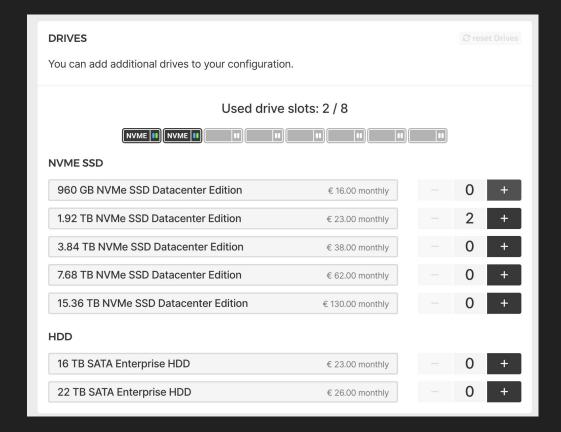
Pick a dedicated instance, click "configure". For instance on one of those: https://www.hetzner.com/de dicated-rootserver/matrix-ex/





Add an external hard-drive

You now need to add an external device without any sort of formatting, that will be used for the *devmapper* snapshotter thinpool provisioning. What does that mean? It means it will be used as ephemeral storage for the VM sandboxes. For instance, add the cheapest one: 960GB NVMe SSD, bringing you to 3/8 used drive slots.

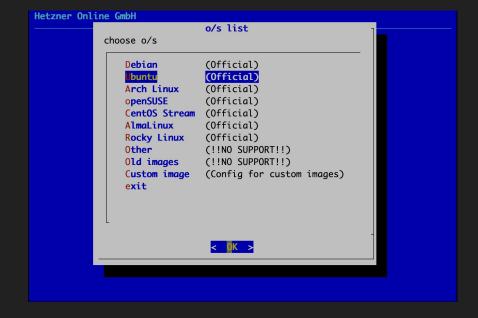




From the rescue system

When booting from the rescue system, type "installimage" to choose an OS to install. Pick your OS. I tested only Ubuntu 24 Noble so far.

```
Rescue System (via EFI) up since 2025-09-17 12:11 +02:00
Hardware data:
  CPU1: 13th Gen Intel(R) Core(TM) i5-13500 (Cores 20)
  Memory: 64127 MB (Non-ECC)
  Disk /dev/nvme0n1: 512 GB (=> 476 GiB)
  Disk /dev/nvme1n1: 2048 GB (=> 1907 GiB) doesn't contain a valid partition ta
ble
  Disk /dev/nvme2n1: 512 GB (=> 476 GiB)
  Total capacity 2861 GiB with 3 Disks
Network data:
  eth0 LINK: yes
         MAC: c8:7f:54:07:e6:7c
         IP: 176.9.17.156
        IPv6: 2a01:4f8:150:1186::2/64
        RealTek RTL-8169 Gigabit Ethernet driver
root@rescue ~ # installimage
```





Keep the last drive unformatted, without SWRAID

Make sure you comment the third device, and that you decrease the SWRAID level from 5 to 1. Then click "save" and "quit".

```
/installi~all.conf
                     [BM--] 0 L: [ 12+ 5 17/179] *(540 /5188b) 0035 0x023 [*][X
# Device Model: SAMSUNG MZVL2512HCJ0-00B00. Serial Number: S675NU0TB25138
DRTVF1 /dev/nvme0n1
# Device Model: Micron_3400_MTFDKBA2T0TFH, Serial Number: 234747AF0754
DRIVE2 /dev/nyme1n1
# Device Model: SAMSUNG MZVL2512HCJQ-00B00, Serial Numb<u>er: S675NU0TB25126</u>
  DRIVE3 /dev/nvme2n1
## if you dont want raid over your three drives then comment out the following l
## please make sure the DRIVEΓnr] variable is strict ascending with the used har
    SOFTWARE RATD:
## activate software RATD? < 0 | 1 >
SWRAID 1
## Choose the level for the software RAID < 0 | 1 | 5 | 10 >
SWRAIDLEVEL 1
1Help 2Save
                                         6Move 7Search 8Delete 9PullDn10Quit
                3
Mark
                         4Replac 5Copy
```



Reboot

Once OS install is completed, type "reboot" and press enter.

	8/16	:	Validating image before starting extraction	done
1	9/16	:	Extracting image (local)	done
1	0/16	:	Setting up network config	done
1	1/16	:	Executing additional commands	
		:	Setting hostname	done
		:	Generating new SSH keys	done
		:	Generating mdadm config	done
		:	Generating ramdisk	done
		:	Generating ntp config	done
1	2/16	:	Setting up miscellaneous files	done
1	3/16	:	Configuring authentication	
		:	Fetching SSH keys	done
		:	Disabling root password	done
		:	Disabling SSH root login with password	done
		:	Copying SSH keys	done
1	4/16	:	Installing bootloader grub	done
1	5/16	:	Running some ubuntu specific functions	done
1	6/16	:	Clearing log files	done

INSTALLATION COMPLETE

You can now reboot and log in to your new system with the same credentials that you used to log into the rescue system.

root@rescue ~ # reboot