

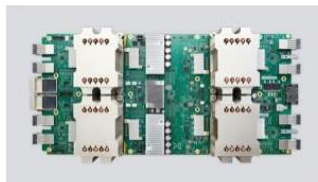
1. TPU Google cloud - TPU (Tensor Processing Unit)

Single Cloud TPU device pricing

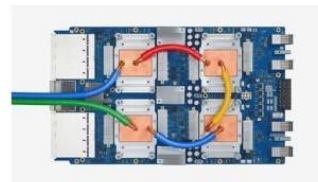
The following table shows the pricing per region for using a single Cloud TPU device.

US	EUROPE	ASIA PACIFIC
Version		On-demand
Cloud TPU v2		\$4.95 / TPU hour
Cloud TPU v3		\$8.80 / TPU hour

Cloud TPU offering



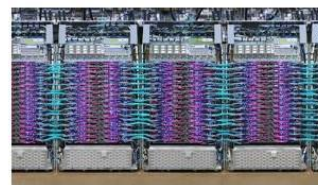
Cloud TPU v2
180 teraflops
64 GB High Bandwidth Memory (HBM)



Cloud TPU v3
420 teraflops
128 GB HBM



Cloud TPU v2 Pod
11.5 petaflops
4 TB HBM
2-D toroidal mesh network



Cloud TPU v3 Pod
100+ petaflops
32 TB HBM
2-D toroidal mesh network

1 TPU v3 je kao naše 4 grafičke karte. Odnosno za 4 grafičke nam treba 1 TPU – broj teraflops se podudara sa specifikacijom grafičkih koje smo tražili.

2. Услуге - Equinix data center

<https://www.dscga.com/colocation-pricing-the-definitive-guide-on-what-to-expect-2019-report/> - cene za data centar
Cene su date za 1U jedinicu. Naš jedan server zauzima 2U. Cene se kreću od 50 do 300e za 1U za 1 mesec. Nama je potrebno na 17 meseci, znači $17 \text{ meseci} * 2U * 280e = 9500e$ po serveru.

Tier 1:

- Non-redundant systems (no backups for power, network, etc.)
- 99.671% Uptime
- 28.8 hours of downtime per year

Tier 2:

- Partial redundancy for power and cooling
- 99.749% Uptime
- 22 hours of downtime per year

Tier 3:

- N+1 fault tolerant providing at least 72 hour power outage protection
- 99.982% Uptime
- Maximum of 1.6 hours of downtime per year

Tier 4:

- 2N+1 fully redundant infrastructure with 96 hour power outage protection
- 99.995% Uptime per year
- Maximum 26.3 minutes of annual downtime

Data centar koji smo mi izabrale je **Equinix u Minhenu - tier 3**, ima n+1 redundant infrastructure

