

# Data transfer cost analysis

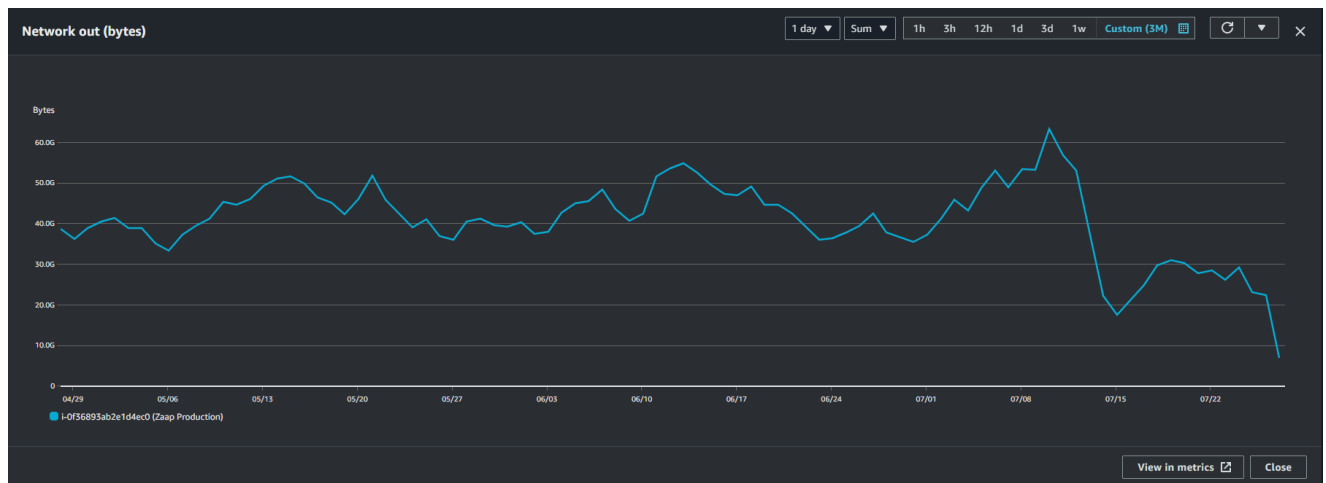
Based on the current billing data the costs consist of the data transfer out from EC2.

Bandwidth	USD 98.92	
\$0.010 per GB - regional data transfer - in/out/between EC2 AZs or using elastic IPs or ELB	250.284 GB	USD 2.50
\$0.090 per GB - first 10 TB / month data transfer out beyond the global free tier	1,071.365 GB	USD 96.42

Checking the EC2 metrics of the EC2 instance:

Zaap Production ([i-0f36893ab2e1d4ec0](#))

It can be seen that in the last 3 months the daily network bytes going out is high, sometimes even reaching 60GB per day.



## Suggestion:

Use a CDN solution here, like **Cloudfront** in front of the EC2 and apply caching, which would eventually lower the load of this machine as the frequently requested data would be cached by Cloudfront and not downloaded from this instance every time a request comes.

**Cloudfront Pricing:**

Included in Always Free Tier

- 1 TB of data transfer out to the internet per month
- 10,000,000 HTTP or HTTPS Requests per month
- 2,000,000 CloudFront Function invocations per month
- Free SSL certificates
- No limitations, all features available

Based on the above data you are highly likely to fit into the Free tier.

Otherwise it would consist of the below costs per month:

DataTransfer out:

First 10TB     \$0.085

Request Pricing for All HTTP Methods (per 10,000):

HTTP requests     \$0.0075

HTTPS requests     \$0.0100