

Detailed Cost Breakdown

Singapore Region (ap-southeast-1)

EC2 Instance - Private Application Server

- Instance Type: t3.micro
- Pricing: \$0.0132 per hour
- Monthly Cost: $\$0.0132 \times 24 \times 30 \approx \$9.50/\text{month}$

Tokyo Region (*ap-northeast-1*)

AWS Fargate - HTTP Proxy Service

- vCPU: 0,25 vCPU
- Memory: 0,5 GB
- vCPU Pricing: \$0.04656 per vCPU-hour
- Memory Pricing: \$0.00511 per GB-hour
- Monthly Cost: $\$8.50 + \$1.87 \approx \$10.37/\text{month}$

Networking Costs (100 GB/month):

Singapore → Tokyo (via VPC Peering)

Rate: \$0.01 per GB

Cost: $100 \times \$0.01 \approx \$1.00/\text{month}$

Tokyo → Internet (Public Egress)

Rate: \$0.09 per GB (first 10 TB)

Cost: $100 \times \$0.09 = \$9.00/\text{month}$

Total Monthly Cost Summary:

$\$9.50 + \$10.37 + \$1.00 + \$9.00 \approx \mathbf{\$30/\text{month}}$