פרויקט 1 – AWS Scalable Web Application
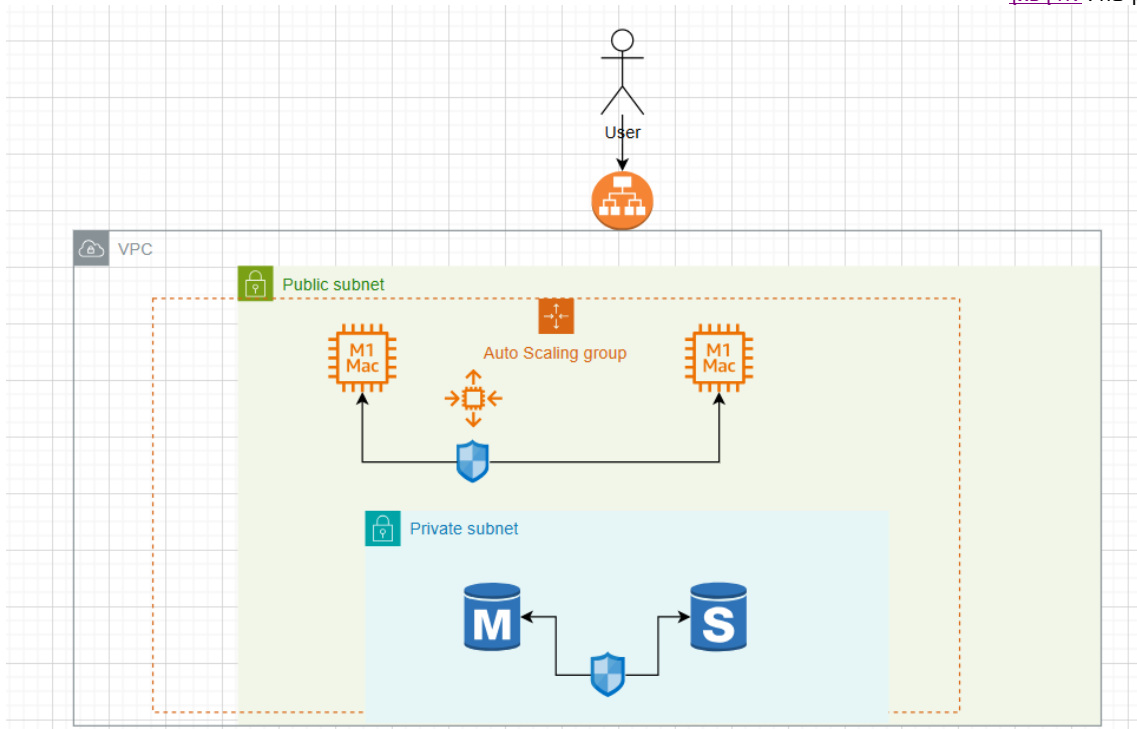
שמות המגישים- אלעד אהרון 206866220, רותם רוזנברג 319044160

ארכיטקטורת הפרויקט:
קישור: <u>לחץ כאן</u>

הערכת מחיר:

החישוב נעשה עבור מערכת עם 10,000 משתמשים פעילים.

קישור: <u>לחץ כאן</u>

Export Date: 04/12/2025   **Language:** English

<u>Estimate url</u>

Estimate summary

Upfront cost	Monthly cost	Total 12 months cost
0.00 USD	127.79 USD	1,533.48 USD Includes upfront cost

Detailed Estimate

Name	Group	Region	Upfront cost	Monthly cost
Amazon EC2	-	US East (N. Virginia)	0.00 USD	11.83 USD

Status -
Description: Web servers
Config summary Tenancy (Shared Instances), Operating system (Linux), Workload (Consistent, Number of instances: 2), Advance EC2 instance (t3a.small), Pricing strategy (EC2 Instance Savings Plans 3yr No Upfront), Enable monitoring (disabled), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)

Name	Group	Region	Upfront cost	Monthly cost
Elastic Load Balancing	-	US East (N. Virginia)	0.00 USD	18.88 USD

Status -
Description: ALB
Config summary Number of Application Load Balancers (1)

Name	Group	Region	Upfront cost	Monthly cost
Amazon RDS for MySQL	-	US East (N. Virginia)	0.00 USD	96.02 USD

Status -
Description: Student Records DB
Config summary Storage amount (50 GB), Storage for each RDS instance (General Purpose SSD (gp2)), Nodes (1), Instance type (db.t3.medium), Utilization (On-Demand only) (100 %Utilized/Month), Deployment option (Single-AZ), Pricing strategy (OnDemand), Additional backup storage (5 GB)

Name	Group	Region	Upfront cost	Monthly cost
Amazon CloudWatch	-	US East (N. Virginia)	0.00 USD	1.06 USD

Status -
Description: EC2 cloudwatch
Config summary Standard Logs: Data Ingested (1.5 GB), Number of Dashboards (), Number of Standard Resolution Alarm Metrics (3)

קישור לגיט: <u>לחץ כאן</u>
Load balancer link: Admission-LB-592680002.us-east-1.elb.amazonaws.com

Cartification badge link: https://www.credly.com/badges/69edea72-bbbc-4ff3-b8b7-89e9b5a04f29/public_url

פלט בדיקת עומסים:

```
voclabs:~/environment $ loadtest --rps 1000  -c 500 -k http://admission-lb-592680002.us-east-1.elb.amazonaws.com/
Requests: 4971, requests per second: 994, mean latency: 4 ms

Target URL:            http://admission-lb-592680002.us-east-1.elb.amazonaws.com/
Max time (s):          10
Target rps:            1000
Concurrent clients:    51
Agent:                 keepalive

Completed requests:    9971
Total errors:          0
Total time:            10 s
Mean latency:          3.4 ms
Effective rps:         997

Percentage of requests served within a certain time
  50%      2 ms
  90%      6 ms
  95%      8 ms
  99%      26 ms
  100%     44 ms (longest request)
voclabs:~/environment $
```