



INFORMATION  
TECHNOLOGY  
UNIVERSITY

TRACKIFY

AI-Powered Task Management System

AWS Cloud Computing Project  
Technical Report

**Submitted by:**

Muhammad Abdullah Qureshi

BSSE23101-B

&

Shuja Ud Din

BSSE23035-B

# Table of Contents

## **1. Project Proposal**

- 1.1. Executive Summary
- 1.2. Introduction
- 1.3. Problem Statement
- 1.4. Aim and Objective

## **2. Architecture , Design & Implementation**

- 2.1. Architectural Diagram
- 2.2. AWS Foundation
- 2.3. MongoDB Atlas & EC2 Deployment
- 2.4. Domain & SSL Configuration
- 2.5. Testing
- 2.6. Load Balancer & Auto Scaling
- 2.7. IAM Roles & Security Manager

## List of Figures:

- **Figure 1:** Architectural Diagram
- **Figure 2:** VPC
- **Figure 3:** Subnets
- **Figure 4:** Security Groups
- **Figure 5:** Route Tables
- **Figure 6:** Internet Gateways
- **Figure 7:** Elastic Ip address
- **Figure 8:** Nat Gateway
- **Figure 9:** Mongodb Cluster
- **Figure 10:** Data visualization
- **Figure 11:** EC2 instances
- **Figure 12:** Instance summary
- **Figure 13:** Template summary
- **Figure 14:** launch template details
- **Figure 15:** AMI image
- **Figure 16:** Domain
- **Figure 17:** AWS SSL certificate
- **Figure 18:** deployed code running
- **Figure 19:** folder structure
- **Figure 20:** frontend logs
- **Figure 21:** backend logs
- **Figure 22:** Load balancer
- **Figure 23:** target groups
- **Figure 24:** Auto Scaling

# Traceable References

## References

1. Amazon Web Services "Amazon EC2 Auto Scaling User Guide"  
<https://docs.aws.amazon.com/autoscaling/>
2. MongoDB Atlas "Set up a Network Peering Connection"  
<https://www.mongodb.com/docs/atlas/security-vpc-peering/>
3. PM2 Process Manager "Process Management with PM2"  
<https://pm2.keymetrics.io/docs/usage/process-management/>

# Project Proposal: Trackify – AI-Powered Task Management System

---

## 1. Executive Summary

Traditional task management tools operate as passive systems that rely heavily on manual updates and offer limited intelligence. Teams often spend significant time maintaining tasks, reacting to issues, and managing workloads due to a lack of predictive insights and workflow optimization.

**Trackify** addresses these challenges by integrating AI-driven automation with a cloud-native AWS microservices architecture. The system provides:

- Predictive task suggestions
- Automated planning
- Risk anticipation
- Optimized workflows

The application is deployed on AWS EC2, with load balancing and auto-scaling to ensure high availability and performance. IAM roles secure access, credentials are stored in AWS Secrets Manager, and VPC peering enables secure network connectivity. Task data is managed using MongoDB Atlas, providing scalable and reliable storage.

By combining AI intelligence with cloud infrastructure, Trackify empowers teams to plan efficiently, anticipate project risks, and streamline task management for enhanced productivity.

## 2. Introduction

Efficient project management is critical for team productivity, but traditional tools often lack intelligence and automation. Teams face challenges such as:

- Manual task updates
- Poor workflow optimization
- Limited ability to anticipate risks

Trackify leverages artificial intelligence and AWS cloud services to overcome these limitations. By providing automated task planning, predictive insights, and secure cloud deployment, Trackify demonstrates a modern approach to project management, enhancing team efficiency and decision-making.

## 3. Problem Statement

Existing task management systems present several issues:

- Depend heavily on manual updates, causing inefficiencies
- Lack predictive insights for proactive planning
- Do not optimize workflows, leading to wasted time and resources

There is a clear need for a smart, cloud-based task management system that can automate planning, predict potential risks, and improve overall team productivity.

## 4. Aim & Objectives

### **Aim:**

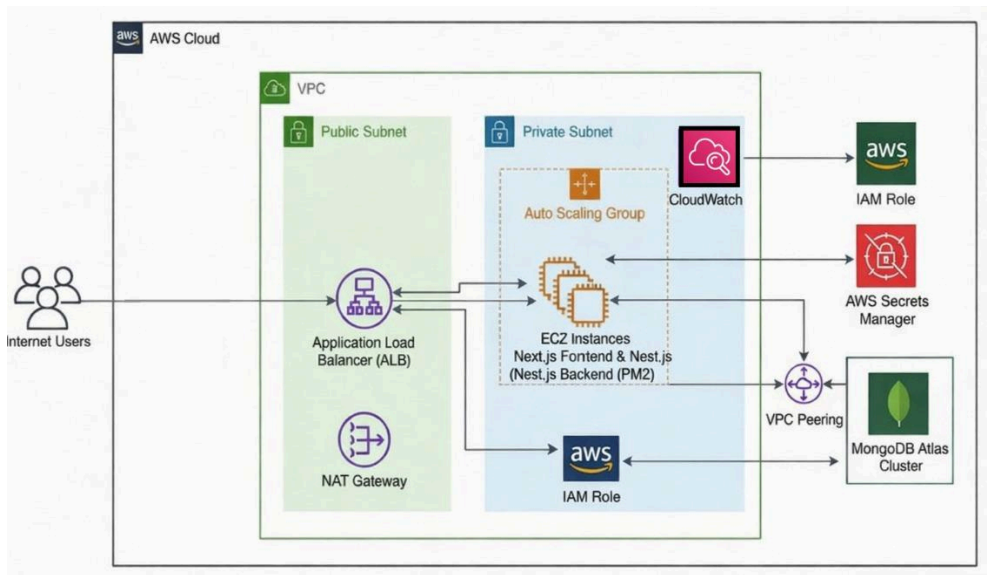
To develop an AI-driven, cloud-native task management system that automates workflows, predicts risks, and enhances team productivity.

### **Objectives:**

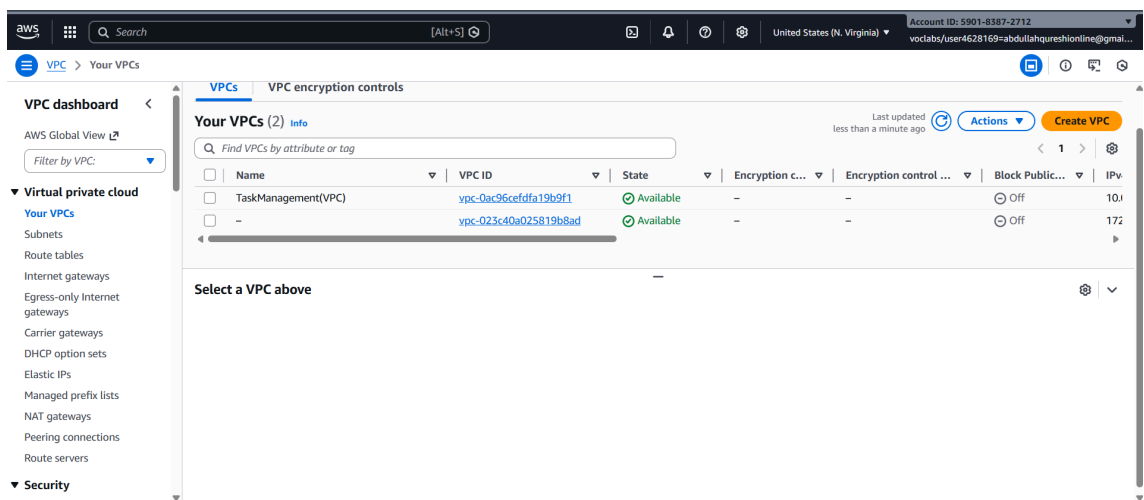
1. Develop an AI engine to provide predictive task suggestions and risk anticipation.
2. Deploy a scalable application on AWS using EC2 instances with load balancing and auto-scaling.
3. Secure the system using IAM roles and manage credentials with AWS Secrets Manager.
4. Implement VPC peering for secure network connectivity.
5. Store and manage task data efficiently using MongoDB Atlas.
6. Provide a responsive, user-friendly frontend for task visualization and management.

# AWS ARCHITECTURE DESIGN, IMPLEMENTATION STEPS & SCREENSHOTS

## 1. Architectural Diagram



## 2. AWS Foundation Architecture(VPC etc)





[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqureshionline@gmail...

Subnets (10) Info

Last updated 2 minutes ago

Actions

Create subnet

Find subnets by attribute or tag

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input type="checkbox"/>	-	<a href="#">subnet-087d29bcd66ea64bf</a>	Available	<a href="#">vpc-023c40a025819b8ad</a>	Off	172.31.0.0/20
<input type="checkbox"/>	Private Subnet A	<a href="#">subnet-0c25721c4d90865fb</a>	Available	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>	Off	10.0.11.0/24
<input type="checkbox"/>	-	<a href="#">subnet-07a0d8434b4825a67</a>	Available	<a href="#">vpc-023c40a025819b8ad</a>	Off	172.31.80.0/2
<input type="checkbox"/>	-	<a href="#">subnet-0180561d28b1c90c6</a>	Available	<a href="#">vpc-023c40a025819b8ad</a>	Off	172.31.16.0/2
<input type="checkbox"/>	Private Subnet B	<a href="#">subnet-01587112e5fc17aa6</a>	Available	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>	Off	10.0.12.0/24
<input type="checkbox"/>	-	<a href="#">subnet-0204f39213b93ae89</a>	Available	<a href="#">vpc-023c40a025819b8ad</a>	Off	172.31.48.0/2
<input type="checkbox"/>	Public Subnet A	<a href="#">subnet-0c0fd854e6ce194d7</a>	Available	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>	Off	10.0.1.0/24
<input type="checkbox"/>	Public Subnet B	<a href="#">subnet-039d72a1c7aa425a8</a>	Available	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>	Off	10.0.2.0/24

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqureshionline@gmail...

Security Groups (4) Info

Export security groups to CSV

Create security group

Find security groups by attribute or tag

<input type="checkbox"/>	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	<a href="#">sg-0a65cd8f6ac25988f</a>	TaskManagement-SG	<a href="#">vpc-0ac96cefdfa19b9f1</a>	Defining rule for i
<input type="checkbox"/>	-	<a href="#">sg-0b1ddb71229c35771</a>	default	<a href="#">vpc-0ac96cefdfa19b9f1</a>	default VPC secur
<input type="checkbox"/>	-	<a href="#">sg-02519613a384ab241</a>	default	<a href="#">vpc-023c40a025819b8ad</a>	default VPC secur
<input type="checkbox"/>	-	<a href="#">sg-0bba6a6a4bcb0c04f</a>	loadBalancerSG	<a href="#">vpc-0ac96cefdfa19b9f1</a>	using for load bal

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqureshionline@gmail...

Route tables (5) Info

Last updated 5 minutes ago

Actions

Create route table

Find route tables by attribute or tag

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input type="checkbox"/>	-	<a href="#">rtb-00f6f9998768747f6</a>	-	-	Yes	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>
<input type="checkbox"/>	PublicRT	<a href="#">rtb-0b4b510126f2a6162</a>	2 subnets	-	No	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>
<input type="checkbox"/>	-	<a href="#">rtb-05957de39a3786be9</a>	-	-	Yes	<a href="#">vpc-023c40a025819b8ad</a>
<input type="checkbox"/>	PrivateRT	<a href="#">rtb-07946f2902cb57413</a>	2 subnets	-	No	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>
<input type="checkbox"/>	-	<a href="#">rtb-08ad41dc73aae1e9a</a>	-	<a href="#">nat-11459a348fd4d...</a>	No	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskM...</a>

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqureshionline@gmail...

Internet gateways (2) Info

Create internet gateway

Find internet gateways by attribute or tag

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner
<input type="checkbox"/>	TaskManagement(IGW)	<a href="#">igw-07860a5ebb033467f</a>	Attached	<a href="#">vpc-0ac96cefdfa19b9f1</a>   <a href="#">TaskManage...</a>	590183872712
<input type="checkbox"/>	-	<a href="#">igw-0d356933bc5be8909</a>	Attached	<a href="#">vpc-023c40a025819b8ad</a>	590183872712

[Alt+S] [United States (N. Virginia)] Account ID: 5901-8387-2712

**Elastic IP addresses (7)** [Info](#) [Actions](#) [Allocate Elastic IP address](#)

Find elastic IP addresses by attribute or tag

<input type="checkbox"/>	Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Actions
<input type="checkbox"/>	-	<a href="#">35.153.242.3</a>	Public IP	eipalloc-0e131249063968b40	-	-
<input type="checkbox"/>	-	<a href="#">35.153.87.54</a>	Public IP	eipalloc-0f06a013f9cb1dc67	-	-
<input type="checkbox"/>	TaskManagement	<a href="#">52.45.96.186</a>	Public IP	eipalloc-06956679b125486a6	-	<a href="#">i</a>
<input type="checkbox"/>	-	<a href="#">54.88.159.114</a>	Public IP	eipalloc-0eccb65bb57e251e0	-	-

[Alt+S] [United States (N. Virginia)] Account ID: 5901-8387-2712

**NAT gateways (1)** [Info](#) [Actions](#) [Create NAT gateway](#)

Find NAT gateways by attribute or tag

[Clear filters](#)

<input type="radio"/>	Name	NAT gateway ID	Connectivity...	State	State message	Availability ...	Route table ID	Actions
<input type="radio"/>	NAT Gateway	<a href="#">nat-11459a348f4de148e</a>	Public	Available	-	Regional	<a href="#">rtb-08ad41dc7...</a>	<a href="#">3</a>

### 3. MongoDB Atlas and EC2 Deployment

ORGANIZATION Abdullah's Org - 202... PROJECT Task Management

**Clusters**

Find a database deployment... [Edit Config](#) [+ Create](#)

**Cluster0** [Connect](#) [View Monitoring](#) [Browse Collections](#) [...](#) FREE

**Enhance Your Experience**  
For production throughput and richer metrics, upgrade to a dedicated cluster now!

[Upgrade](#)

**Metrics:**

- Read (R):** 0 (Last 6 hours)
- Write (W):** 0.2/s (Last 6 hours)
- Connections:** 5.0 (Last 6 hours)
- In:** 15.40 B/s (Last 6 hours)
- Out:** 225.20 B/s (Last 6 hours)
- Data Size:** 112.75 KB / 512.00 MB (0%) (Last 14 days)

VERSION	REGION	TYPE	BACKUPS	LINKED APP SERVICES	ATLAS SQL	ATLAS SEARCH
8.0.17	AWS / N. Virginia (us-east-1)	Replica Set - 3 nodes	Inactive	None Linked	<a href="#">Connect</a>	<a href="#">Create Index</a>

[+ Add Tag](#)

ORGANIZATION

Abdullah's Org - 202...

PROJECT

Task Management

tasks

+

Cluster0 > test > tasks

View monitoring

Visualize Your Data

Documents 3

Aggregations

Schema

Indexes 1

Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain

Reset

Find

Options

ADD DATA

UPDATE

DELETE

25

1 - 3 of 3

```

_id: ObjectId('6947cec0035939bd0f5e4088')
title: "test 1"
description: "db test"
startDate: 2025-12-21T00:00:00.000+00:00
endDate: 2025-12-25T00:00:00.000+00:00
status: "to-do"
createdBy: "test"
assignedTo: Array (empty)
comment: Array (empty)
uploads: Array (empty)
createdAt: 2025-12-21T10:41:04.423+00:00
updatedAt: 2025-12-25T09:59:55.930+00:00
__v: 0

```

## EC2

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712

voclabs/user4628169=abdullahqreshionline@gmail...

Instances (4) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
		i-02987446dae9a9c68	Terminated	t3.small	-	View alarms	us-east-1b	-
		i-05982213fc443a891	Running	t3.small	3/3 checks passed	View alarms	us-east-1b	-
		i-0e300d39578430512	Terminated	t3.small	-	View alarms	us-east-1b	-
	Task Manage...	i-0ba85fe0cf47f9899	Running	t3.small	3/3 checks passed	View alarms	us-east-1a	-

### Instance summary for i-0ba85fe0cf47f9899 (Task Management) Info

Updated less than a minute ago

#### Instance ID

i-0ba85fe0cf47f9899

#### IPv6 address

-

#### Hostname type

IP name: ip-10-0-1-52.ec2.internal

#### Answer private resource DNS name

-

#### Auto-assigned IP address

-

#### IAM Role

-

#### IMDSv2

Required

#### Public IPv4 address

52.45.96.186 | [open address](#)

#### Instance state

Running

#### Private IP DNS name (IPv4 only)

ip-10-0-1-52.ec2.internal

#### Instance type

t3.small

#### VPC ID

vpc-0ac96cefdfa19b9f1 (TaskManagement(VPC))

#### Subnet ID

subnet-0c0fd854e6ce194d7 (Public Subnet A)

#### Instance ARN

arn:aws:ec2:us-east-1:590183872712:instance/i-0ba85fe0cf47f9899

#### Private IPv4 addresses

10.0.1.52

#### Public DNS

-

#### Elastic IP addresses

52.45.96.186 (TaskManagement) [Public IP]

#### AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendation s.

| [Learn more](#)

#### Auto Scaling Group name

-

#### Managed

false

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqreshionline@gmail...

task-management-template

task-management-template (lt-097e29809c71fc16a)

ActionsDelete template

Launch template details

Launch template ID  
lt-097e29809c71fc16a

Launch template name  
task-management-template

Default version  
1

Owner  
arn:aws:sts::590183872712:assumed-role/voclabs/user4628169=abdullahqreshionline@gmail.com

Details

Versions

Template tags

Launch template version details

ActionsDelete template version

Version  
1 (Default)

Description  
initial version

Date created  
2025-12-25T11:13:58.000Z

Created by  
arn:aws:sts::590183872712:assumed-role/voclabs/user4628169=abdullahqreshionline@gmail.com

Instance details

Storage

Resource tags

Network interfaces

Advanced details

AMI ID  
ami-0b0af13bfd54d1bc8

Instance type  
t3.small

Availability Zone  
-

Availability Zone Id  
-

Key pair name  
taskManagement

Security groups  
-

Security group IDs  
sq-0a65cd8f6ac25988f

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqreshionline@gmail...

5bfd54d1bc8

Image summary for ami-0b0af13bfd54d1bc8

EC2 Image BuilderActionsLaunch instance from AMI

AMI ID  
ami-0b0af13bfd54d1bc8

Image type  
machine

Platform details  
Linux/UNIX

Root device type  
EBS

AMI name  
task-management-ami

Owner account ID  
590183872712

Architecture  
x86\_64

Usage operation  
RunInstances

Root device name  
/dev/sda1

Status  
Available

Source  
590183872712/task-management-ami

Virtualization type  
hvm

Boot mode  
uefi-preferred

State reason  
-

Creation date  
2025-12-25T10:39:12.000Z

Kernel ID  
-

Description  
-

Product codes  
-

RAM disk ID  
-

Deprecation time  
-

Last launched time  
Sat Jan 03 2026 11:36:16 GMT+0500 (Pakistan Standard Time)

Block devices  
/dev/sda1=snap-047c82f94d9cd4d9a:8:true:gp3  
/dev/sdb=ephemeral0  
/dev/sdc=ephemeral1

Deregistration protection  
Disabled

Allowed image  
-

Source AMI ID  
ami-0ecb62995f68bb549

Source AMI Region  
us-east-1

## 4.Domain & SSL Configuration

Contact us shujadev

namecheap

NEW Domains Hosting WordPress Email NEW Marketing Tools NEW Security TRY ME Transfer to Us NEW Help Center NEW Account

Dashboard Expiring / Expired Domain List Hosting List Private Email SSL Certificates

Domains → Details

programpeer.com

Domain Products Sharing & Transfer Advanced DNS

DNS TEMPLATES ? Choose DNS Template

HOST RECORDS ?

aws Search [Alt+S]

United States (N. Virginia) Account ID: 5901-8387-2712

AWS Certificate Manager Certificates ff385d08-3e02-4a6d-ae31-c82e08a4fa43

ff385d08-3e02-4a6d-ae31-c82e08a4fa43

Delete

**Certificate status**

Identifier ff385d08-3e02-4a6d-ae31-c82e08a4fa43 Status Issued

ARN arn:aws:acm:us-east-1:590183872712:certificate/ff385d08-3e02-4a6d-ae31-c82e08a4fa43

Type Amazon Issued

**Domains (2)** Create records in Route 53 Export to CSV

Domain	Status	Renewal status	Type	CNAME name
programpeer.com	Success	-	CNAME	_4c5cb01706cb11d6977b09d20a64886a.prograi m.
www.proqrampeer.com	Success	-	CNAME	_59ee874cefae31007dac76a90a0e1a1d.www.pr

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

## 5. Testing

```
ubuntu@ip-10-0-1-52:~$ ls
task-management
ubuntu@ip-10-0-1-52:~$ cd task-management
ubuntu@ip-10-0-1-52:~/task-management$ ls
backend  frontend
ubuntu@ip-10-0-1-52:~/task-management$ cd backend
ubuntu@ip-10-0-1-52:~/task-management/backend$ cd ..
ubuntu@ip-10-0-1-52:~/task-management$ pm2 ls
```

id	name	mode	u	status	cpu	memory
0	backend	fork	0	online	0%	99.7mb
1	frontend	fork	0	online	0%	56.9mb

```
ubuntu@ip-10-0-1-52:~/task-management$ |
```

```
ubuntu@ip-10-0-1-52:~/task-management$ cd backend
ubuntu@ip-10-0-1-52:~/task-management/backend$ ls
README.md  eslint.config.mjs  migrate-mongo-config.js  node_modules  package.json  tsconfig.build.json  uploads
dist        exports            nest-cli.json            package-lock.json  src           tsconfig.json
ubuntu@ip-10-0-1-52:~/task-management/backend$ cd ..
ubuntu@ip-10-0-1-52:~/task-management$ cd frontendd
-bash: cd: frontendd: No such file or directory
ubuntu@ip-10-0-1-52:~/task-management$ cd frontend
ubuntu@ip-10-0-1-52:~/task-management/frontend$ ls
README.md  eslint.config.mjs  next-env.d.ts  next.config.ts  node_modules  package-lock.json  package.json  postcss.config.mjs  public  src  tsconfig.json
ubuntu@ip-10-0-1-52:~/task-management/frontend$ |
```

```
ubuntu@ip-10-0-1-52:~/task-management/frontend$ pm2 logs 1
[TAILING] Tailing last 15 lines for [1] process (change the value with --lines option)
/home/ubuntu/.pm2/logs/frontend-error.log last 15 lines:
/home/ubuntu/.pm2/logs/frontend-out.log last 15 lines:
1|frontend | - Local:      http://localhost:3000
1|frontend | - Network:    http://10.0.1.52:3000
1|frontend |
1|frontend | ✓ Starting...
1|frontend | ✓ Ready in 806ms
1|frontend | > taskmanagement@0.1.0 start
1|frontend | > next start
1|frontend |
1|frontend | ▲ Next.js 15.5.2
1|frontend | - Local:      http://localhost:3000
1|frontend | - Network:    http://10.0.1.52:3000
1|frontend |
1|frontend | ✓ Starting...
1|frontend | ✓ Ready in 1680ms
```

```
ubuntu@ip-10-0-1-52:~/task-management/frontend$ pm2 logs 0
[TAILING] Tailing last 15 lines for [0] process (change the value with --lines option)
/home/ubuntu/.pm2/logs/backend-error.log last 15 lines:
/home/ubuntu/.pm2/logs/backend-out.log last 15 lines:
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/user, GET} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/:id, PATCH} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/removeUser/:taskId, PATCH} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/addUser/:taskId, PATCH} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/update/:id, PATCH} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/:id, DELETE} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/export-csv/:id, GET} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/task/images, POST} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RoutesResolver] C
ommentsController {/comments}: +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/comments, POST} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/comments, GET} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/comments/:id, GET} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/comments/:id, PATCH} route +1ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [RouterExplorer] M
apped {/comments/:id, DELETE} route +0ms
0|backend | [Nest] 854 - 01/03/2026, 3:18:23 PM LOG [NestApplication]
Nest application successfully started +4ms
```

# 6. Load Balancer & Auto Scaling

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqreshionline@gmail...

isk-management-alb

Introducing ALB target optimizer

Target optimizer lets you enforce a maximum number of requests per target using an ALB-provided agent, improving success rates, latency, and efficiency. [Learn more](#)

X

task-management-alb

Actions

Details

Load balancer type

Application

Status

Active

VPC

[vpc-0ac96cefdfa19b9f1](#)

Load balancer IP address type

IPv4

Scheme

Internet-facing

Hosted zone

Z35SXDOTRQ7X7K

Availability Zones

[subnet-0c0fd854e6ce194d7](#) us-east-1a (use1-az4)  
[subnet-039d72a1c7aa425a8](#) us-east-1b (use1-az6)

Date created

December 25, 2025, 15:51 (UTC+05:00)

Load balancer ARN

[arn:aws:elasticloadbalancing:us-east-1:590183872712:loadbalancer/app/task-management-alb/d792fd93998b8632](#)

DNS name

[task-management-alb-551903363.us-east-1.elb.amazonaws.com](#) (A Record)

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqreshionline@gmail...

EC2

Target groups

task-management

task-management

Actions

Details

[arn:aws:elasticloadbalancing:us-east-1:590183872712:targetgroup/task-management/a57bcf96b9a5fab2](#)

Target type

Instance

Protocol : Port

HTTP: 80

Protocol version

HTTP1

VPC

[vpc-0ac96cefdfa19b9f1](#)

IP address type

IPv4

Load balancer

[task-management-alb](#)

2

Total targets

2

Healthy

0

Unhealthy

0

Unused

0

Initial

0

Draining

0

Anomalous

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 5901-8387-2712  
voclabs/user4628169=abdullahqreshionline@gmail...

EC2

Auto Scaling groups

Task Management AS

Task Management AS

Edit

Task Management AS Capacity overview

[arn:aws:autoscaling:us-east-1:590183872712:autoScalingGroup:680f3686-7789-4993-b8c7-04b525340b49:autoScalingGroupName/Task Management AS](#)

Desired capacity

1

Scaling limits

1 - 3

Desired capacity type

Units (number of instances)

Status

-

Date created

Thu Dec 25 2025 16:21:27 GMT+0500 (Pakistan Standard Time)

Details

Integrations

Automatic scaling

Instance management

Instance refresh

Activity

Monitoring

Tags - moved

Launch template

Edit

Launch template

[lt-097e29809c71fc16a](#)  
task-management-template

AMI ID

[ami-0b0af13bfd54d1bc8](#)

Instance type

t3.small

Owner

arn:aws:sts::590183872712:assumed-role/voclabs/user4628169=abdullahqreshionline@gmail.com

Version

Default

Security groups

-

Security group IDs

[sg-0a65cd8f6ac25988f](#)

Create time

Thu Dec 25 2025 16:13:58 GMT+0500



