

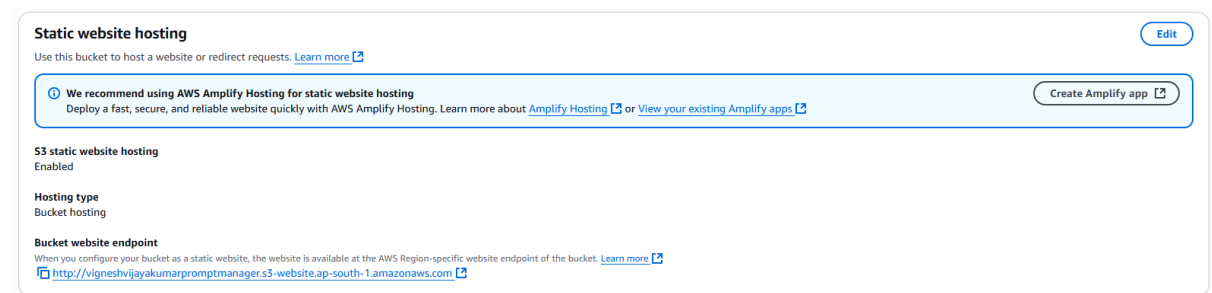
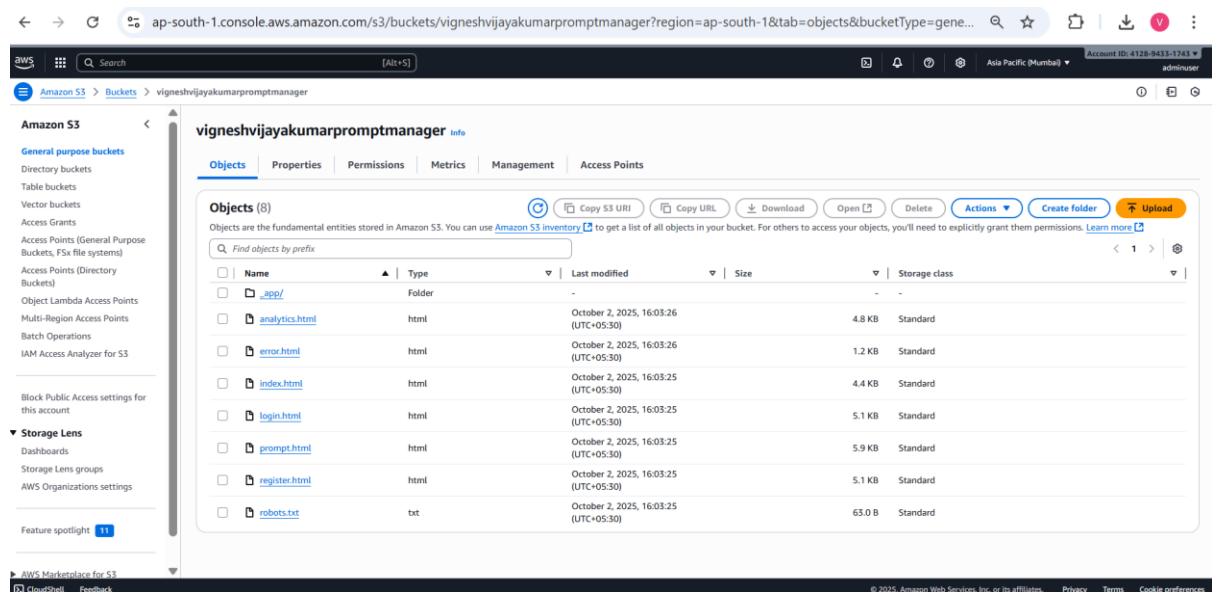
# Prompt Manager Application Documentation

GITHUB URL : <https://github.com/vigneshactech2015/AI-prompt-Manager>

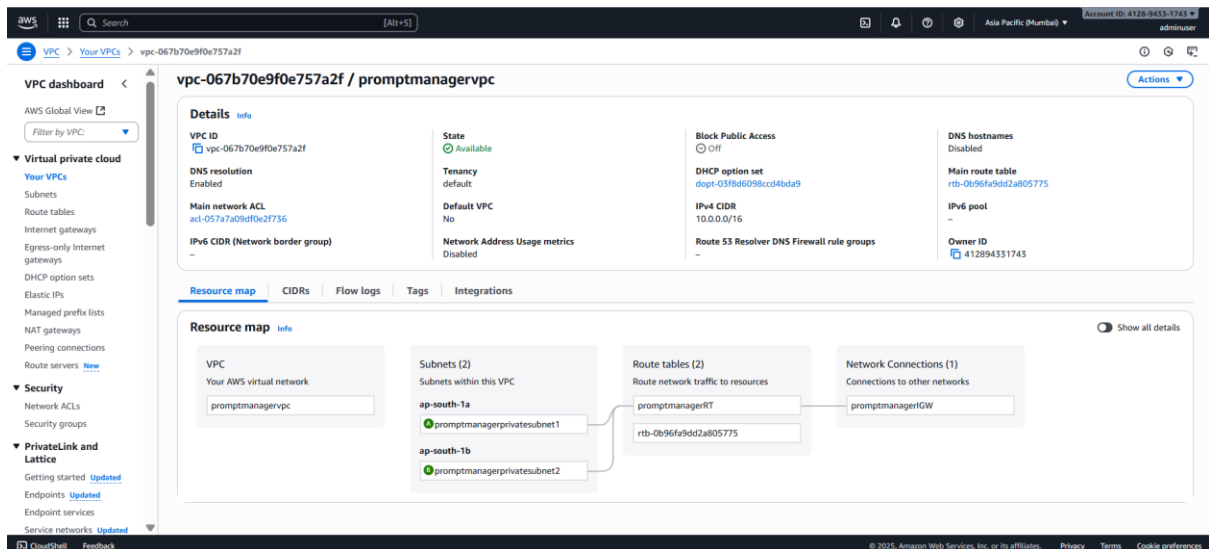
Please look at the demo recording available on [demo.mp4](#)

All architecture explanation is made in [github README.md](#) file .

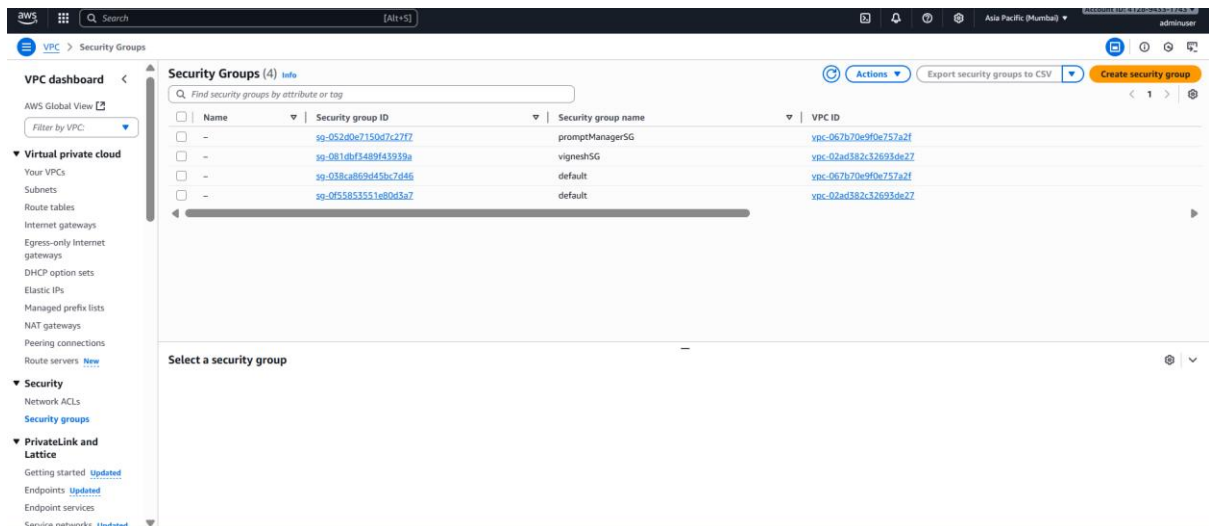
Frontend (Hosted on AWS S3 bucket)



## NETWORKING



## SECURITY GROUP



## BACKEND (HOSTED ON AWS ECS VIA FARGATE LAUNCHTYPE)

### Created 3 services

Amazon Elastic Container Service > Clusters > promptmanager > Services

promptmanager

Cluster overview

ARN: amaws:ecs:ap-south-1:412894331743:cluster/promptmanager

Status: Active

CloudWatch monitoring: Default

Registered container instances: -

Services

Draining: -

Active: 3

Pending: -

Running: 3

Services (3) info

Filter services by value

Filter launch type: Any launch type

Filter scheduling strategy: Any scheduling strategy

Service name	ARN	Status	Scheduling strategy	Launch type
analyticservice-service-nov8rh0u	amaws:ecs:ap-south-1:412894331743:service/promptmanager/analyticservice-serv	Active	REPLICA	FARGATE
authservice-service-q3yb8H7	amaws:ecs:ap-south-1:412894331743:service/promptmanager/authservice-service-c	Active	REPLICA	FARGATE
promptservice-service-n1846o4f	amaws:ecs:ap-south-1:412894331743:service/promptmanager/promptservice-serv	Active	REPLICA	FARGATE

## Created 3 Task definition

Amazon Elastic Container Service > Task definitions

Task definitions (3) info

Filter status: Active

Task definition	Status of last revision
analyticservice	ACTIVE
authservice	ACTIVE
promptservice	ACTIVE

## Task definition pulls image from docker hub

Amazon Elastic Container Service > Task definitions > authservice > Revision 5 > Containers

Container: authservice info

Details JSON

Image: vigneshactech2015/pmauthservice

Private registry: Turned off

Secrets Manager ARN or name: -

CPU: 0

Memory hard/soft limit: -/-

GPU: -

Environment variables (0)

Key Type Value

No environment variables

No environment variables to display.

Environment files (S3 ARN)

-

## Application Load balancer is attached to each service

Amazon Elastic Container Service

Clusters > promptmanager > Services > analyticservice-service-nov8nh0u > Health

Amazon Elastic Container Service

Clusters  
Namespaces  
Task definitions  
Account settings

Amazon ECR  
Repositories

AWS Batch

Documentation  
Discover products  
Subscriptions

Tell us what you think

analyticservice-service-nov8nh0u

Info

Last updated: 2 October 2025, 17:47 (UTC+5:30)

Delete service

Update service

Service overview

Info

Status: Active

Tasks (1 Desired): 0 pending | 1 running

Task definition: revision analyticservice:1

Deployment status: Rollback failed

Health and metrics

Tasks

Logs

Deployments

Events

Configuration and networking

Service auto scaling

Event history

Tags

Status

Info

Service name: analyticservice-service-nov8nh0u

Service ARN: arn:aws:ecs:ap-south-1:412894331743:service/promptmanager/analyticservice-service-nov8nh0u

Deployments current state: 3 Failed tasks | 1 Completed task

Created at: 2 October 2025, 15:40 (UTC+5:30)

Health check grace period: 0 seconds

Load balancer health

Load balancer: promptmanagerALB

Load balancer type: Application Load Balancer

Container name: port: analyticservice:3004

Listeners: HTTP:80

Target group: analyticservice

## ALB SETTINGS

Dashboard > Load balancers

Load balancers (1/1)

Actions

Create load balancer

Filter load balancers

Load balancers table

Load balancer: promptmanagerALB

Details

Listeners and rules

Network mapping

Resource map

Security

Monitoring

Integrations

Attributes

Capacity

Tags

Details

Load balancer type: Application

Status: Active

VPC: vpc-067b70d8f9a757a2f

Load balancer IP address type: IPv4

Scheme: Internet-facing

Hosted zone: ZP978AFLXTN2K

Availability Zones: ap-south-1b (ap1-az3), ap-south-1a (ap1-az1)

Date created: October 2, 2025, 15:28 (UTC+05:30)

Load balancer ARN: arn:aws:elasticloadbalancing:ap-south-1:412894331743:loadbalancer/app/promptmanagerALB/755d45c15c9b918

DNS name info: promptmanagerALB-2087945168.ap-south-1.elb.amazonaws.com (A Record)

## ALB RULES

EC2 > Load balancing > promptmanagerALB > HTTP80 listener

### HTTP80 info

**Details**

A listener checks for connection requests using the protocol and port that you configure. The default action and any additional rules that you create determine how the Application Load Balancer routes requests to its registered targets.

**Protocol/Port:** HTTP80

**Load balancer:** [promptmanagerALB](#)

**Default actions:**

- Forward to target group [authservice](#) (1 (100%))  
Target group stickiness: Off

**Listener ARN:** [arn:aws:elasticloadbalancing:ap-south-1:41284331743:listener/app/promptmanagerALB/755045c15c9c3918/cc1b216d680b7b57](#)

**Rules** | **Attributes** | **Tags**

**Listener rules (4) info**

Traffic received by the listener is routed according to the default action and any additional rules. Rules are evaluated in priority order from the lowest value to the highest value.

Filter rules

Priority	Name tag	Conditions (If)	Actions (Then)	ARN	Tags	Actions
1	-	Path = <a href="#">[api:promptService?]</a>	Forward to target group <a href="#">promptmanagerALB</a> (1 (100%)) Target group stickiness: Off	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/promptmanagerALB/755045c15c9c3918/1b216d680b7b57</a>	0 tags	<a href="#">edit</a> <a href="#">delete</a>
2	-	Path = <a href="#">[api:analyticservice?]</a>	Forward to target group <a href="#">authservice</a> (1 (100%)) Target group stickiness: Off	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/authservice/755045c15c9c3918/1b216d680b7b57</a>	0 tags	<a href="#">edit</a> <a href="#">delete</a>
3	-	Path = <a href="#">[api:authservice?]</a>	Forward to target group <a href="#">authservice</a> (1 (100%)) Target group stickiness: Off	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/authservice/755045c15c9c3918/1b216d680b7b57</a>	0 tags	<a href="#">edit</a> <a href="#">delete</a>
4	<a href="#">Last modified</a>	Default	If no other rule applies	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/authservice/755045c15c9c3918/1b216d680b7b57</a>	0 tags	<a href="#">edit</a> <a href="#">delete</a>

## ALB TARGET GROUP

EC2 > Target groups

### Target groups (3) info

Filter target groups

Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<a href="#">analyticservice</a>	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/analyticservice/755045c15c9c3918/1b216d680b7b57</a>	80	HTTP	IP	<a href="#">promptmanagerALB</a>	<a href="#">vpc-067b70e9f0e757a2f</a>
<a href="#">authservice</a>	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/authservice/755045c15c9c3918/1b216d680b7b57</a>	80	HTTP	IP	<a href="#">promptmanagerALB</a>	<a href="#">vpc-067b70e9f0e757a2f</a>
<a href="#">promptservice</a>	<a href="#">arn:aws:elasticloadbalancing:ap-south-1:41284331743:targetgroup/promptmanagerALB/755045c15c9c3918/1b216d680b7b57</a>	80	HTTP	IP	<a href="#">promptmanagerALB</a>	<a href="#">vpc-067b70e9f0e757a2f</a>

0 target groups selected

Select a target group above.