

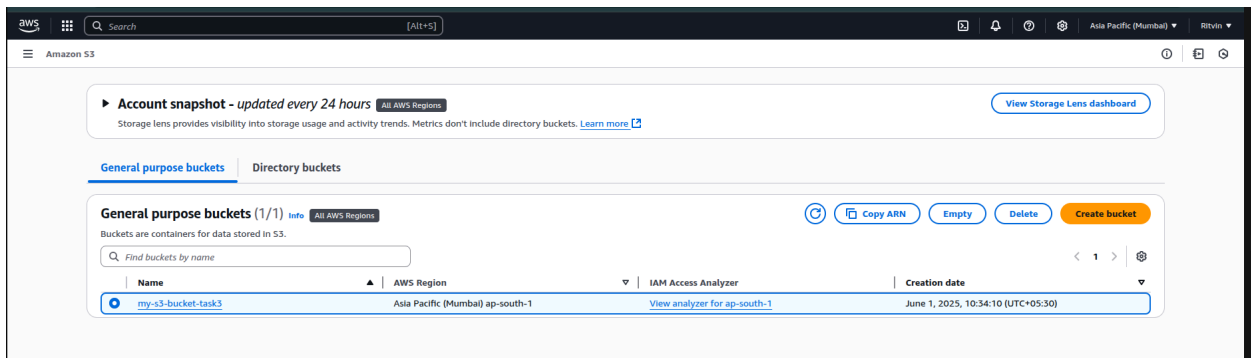
AWS Task-3

Task Description:

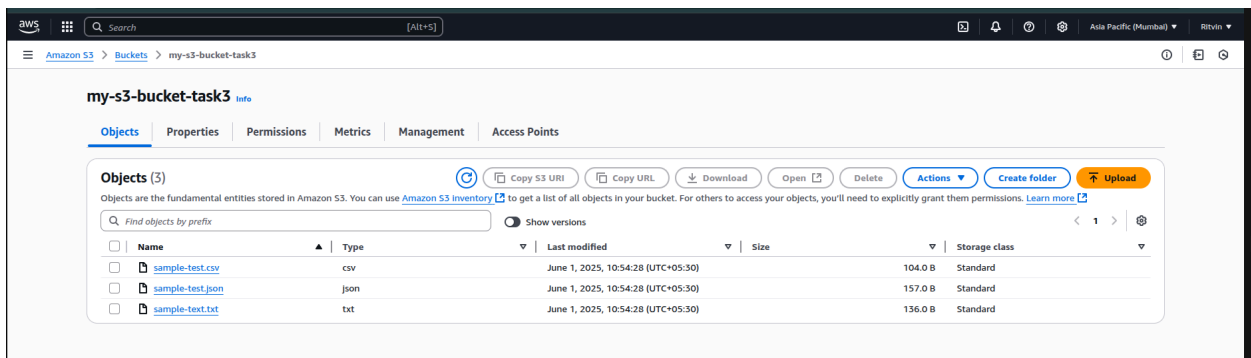
1. Create a S3 bucket, with no public access and upload files to the bucket & view the logs using cloudwatch for the uploaded files.
2. Launch two ec2-instances and connect it to a application load balancer, where the output traffic from the server must be an load balancer IP address

TASK1:

S3 bucket creation:



Files Upload in s3:



Logs of uploaded file cloudwatch:

The screenshot shows the AWS CloudWatch console interface. The left sidebar contains navigation options like Dashboards, AI Operations, Alarms, Logs, Metrics, X-Ray traces, Events, Application Signals, Network Monitoring, and Insights. The main content area displays the log group details for `/aws/cloudtrail/s3-access`. The log group details include Log class (Standard), ARN, Creation time (14 minutes ago), Retention (Never expire), Stored bytes, Metric filters, Subscription filters, Contributor Insights rules, KMS key ID, Anomaly detection, Data protection, Sensitive data count, Field indexes, and Transformer. Below the details, there are tabs for Log streams, Tags, Anomaly detection, Metric filters, Subscription filters, Contributor Insights, Data protection, Field indexes, and Transformer. The Log streams tab is active, showing a list of log streams with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, Public IPv4 ... , and Elastic The log streams listed are `650251719316_CloudTrail_ap-south-1_3`, `650251719316_CloudTrail_ap-south-1_2`, `650251719316_CloudTrail_ap-south-1_4`, and `650251719316_CloudTrail_ap-south-1`.

TASK2:

Two running EC2 instances:

The screenshot shows the AWS Management Console interface for EC2 instances. The left sidebar contains navigation options like Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, and Reserved Instances. The main content area displays the EC2 console with a notification bar at the top stating "Successfully initiated rebooting of i-01534a4adb1a3988". Below the notification, there is a table of EC2 instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, Public IPv4 ... , and Elastic The instances listed are `web-server-2` and `web-server-1`, both in the `Running` state.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic ...
web-server-2	i-01534a4adb1a3988	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-65-0-108-244.ap-s...	65.0.108.244	-
web-server-1	i-0a03753acf9488254	Running	t2.micro	Initializing	View alarms +	ap-south-1a	ec2-15-206-92-213.ap-...	15.206.92.213	-

ALB configuration:

my-app-alb

Details

- Load balancer type:** Application
- Scheme:** Internet-facing
- Status:** Active
- Hosted zone:** ZP97RAFLXTNZK
- VPC:** vpc-0410353b4e6ec5e69
- Availability Zones:** subnet-0e1b7013f111d3e1c (ap-south-1a), subnet-092b61fc186c2eeb7 (ap-south-1b)
- Load balancer IP address type:** IPv4
- Date created:** June 1, 2025, 13:28 (UTC+05:30)

Load balancer ARN: arn:aws:elasticloadbalancing:ap-south-1:650251719316:loadbalancer/app/my-app-alb/d6fe2f147732ae94

Listeners and rules (1)

Protocol:Port	Default action	Rules	ARN	Security policy	Default SSL/TLS certificate	mTLS
HTTP:80	Forward to target group • sample-tg (1 (100%)) • Target group stickiness: Off	1 rule	ARN	Not applicable	Not applicable	Not applicable

Target group:

sample-tg

Details

- Target type:** Instance
- Protocol:** HTTP
- Port:** 80
- Protocol version:** HTTP1
- VPC:** vpc-0410353b4e6ec5e69
- IP address type:** IPv4
- Load balancer:** None associated

2 Total targets

2 Healthy (100%)

0 Unhealthy

0 Anomalous

0 Unused

0 Initial

0 Draining

Distribution of targets by Availability Zone (AZ)

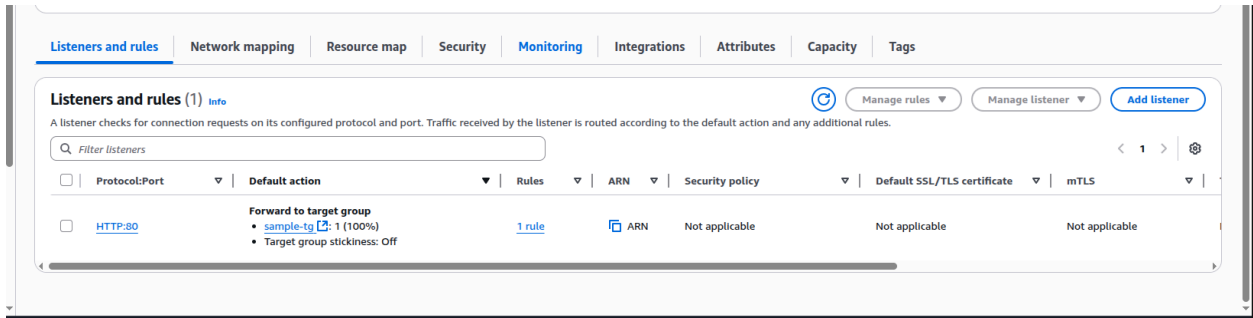
Select values in this table to see corresponding filters applied to the Registered targets table below.

Targets

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details	Administrative override	Override details
i-01534a4adb1a3988	web-server-2	80	ap-south-1b (a...)	Healthy	-	No override	No override is currently active ...
i-0a03753acf9488254	web-server-1	80	ap-south-1a (a...)	Healthy	-	No override	No override is currently active ...

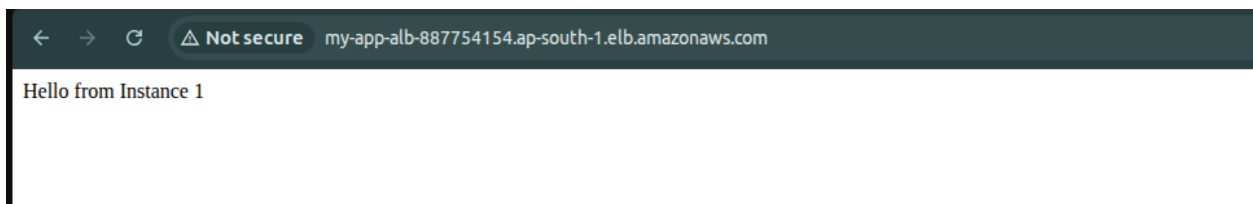
Listener rules:



The screenshot shows the 'Listeners and rules' page in the AWS Management Console. The 'Monitoring' tab is selected. The page title is 'Listeners and rules (1)'. Below the title, there is a description: 'A listener checks for connection requests on its configured protocol and port. Traffic received by the listener is routed according to the default action and any additional rules.' There is a search bar labeled 'Filter listeners'. Below the search bar, there is a table with columns: Protocol:Port, Default action, Rules, ARN, Security policy, Default SSL/TLS certificate, and mTLS. The table has one row with the following data: Protocol:Port is HTTP-80, Default action is Forward to target group (with a link to sample-target), Rules is 1 rule, ARN is Not applicable, Security policy is Not applicable, Default SSL/TLS certificate is Not applicable, and mTLS is Not applicable.

Protocol:Port	Default action	Rules	ARN	Security policy	Default SSL/TLS certificate	mTLS
HTTP-80	Forward to target group <ul style="list-style-type: none">sample-target: 1 (100%)Target group stickiness: Off	1 rule	ARN	Not applicable	Not applicable	Not applicable

Load balancer working:



The screenshot shows a web browser window. The address bar displays the URL 'my-app-alb-887754154.ap-south-1.elb.amazonaws.com' with a 'Not secure' warning. The page content displays 'Hello from Instance 1'.