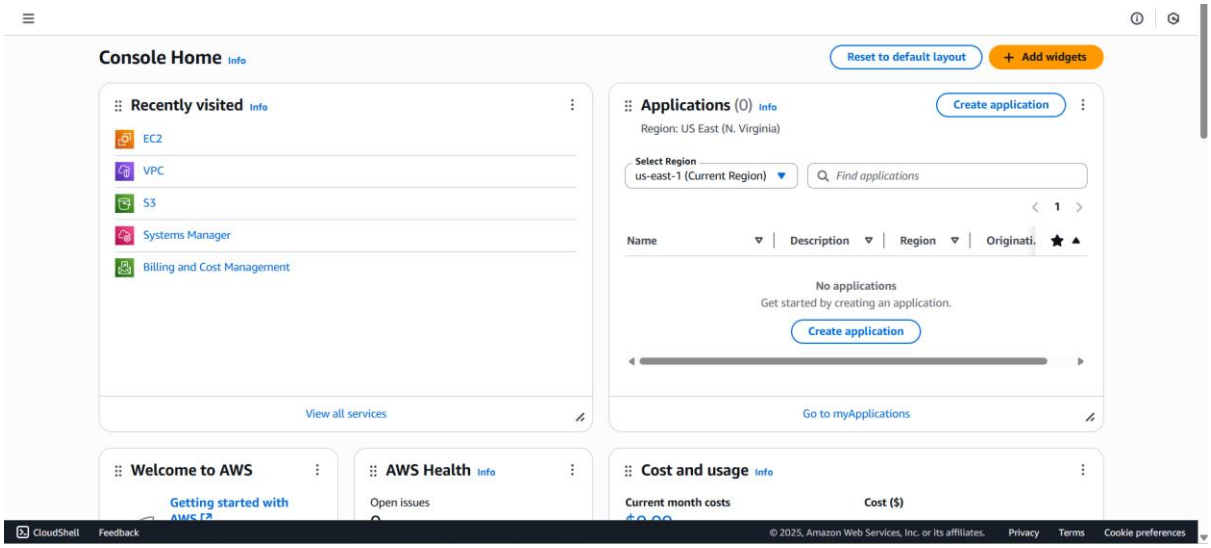
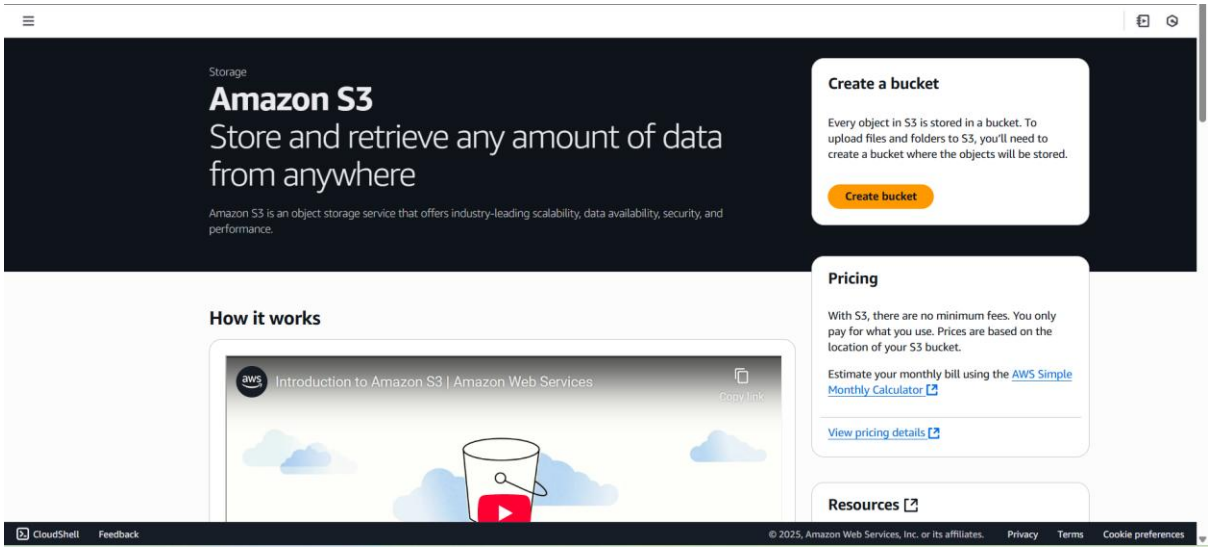
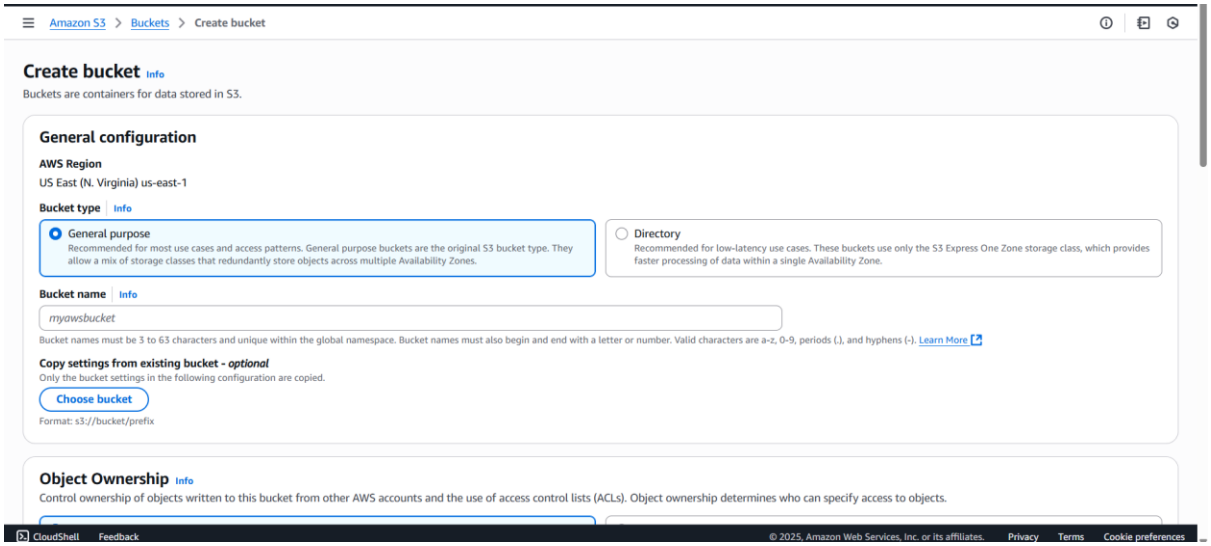
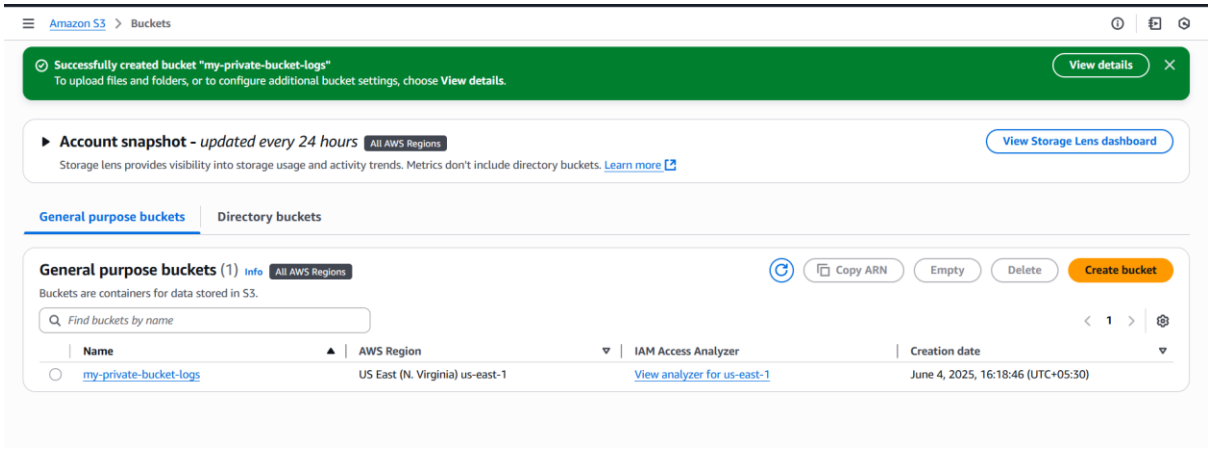
AWS -TASK 3

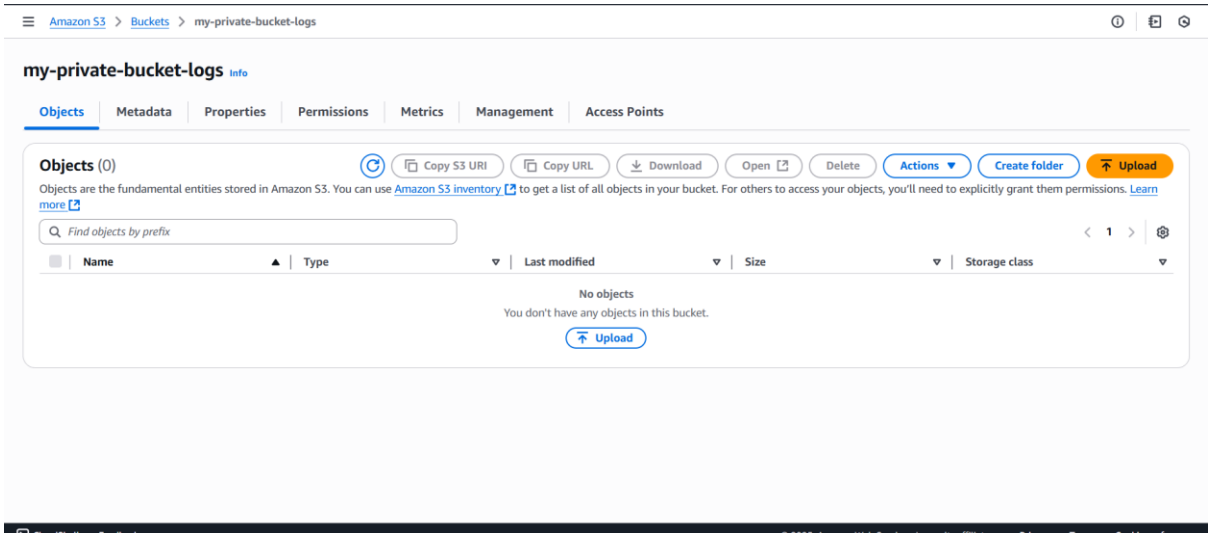
1.Create a S3 bucket, with no public access and upload files to the bucket & view the logs using cloudwatch for the uploaded files.

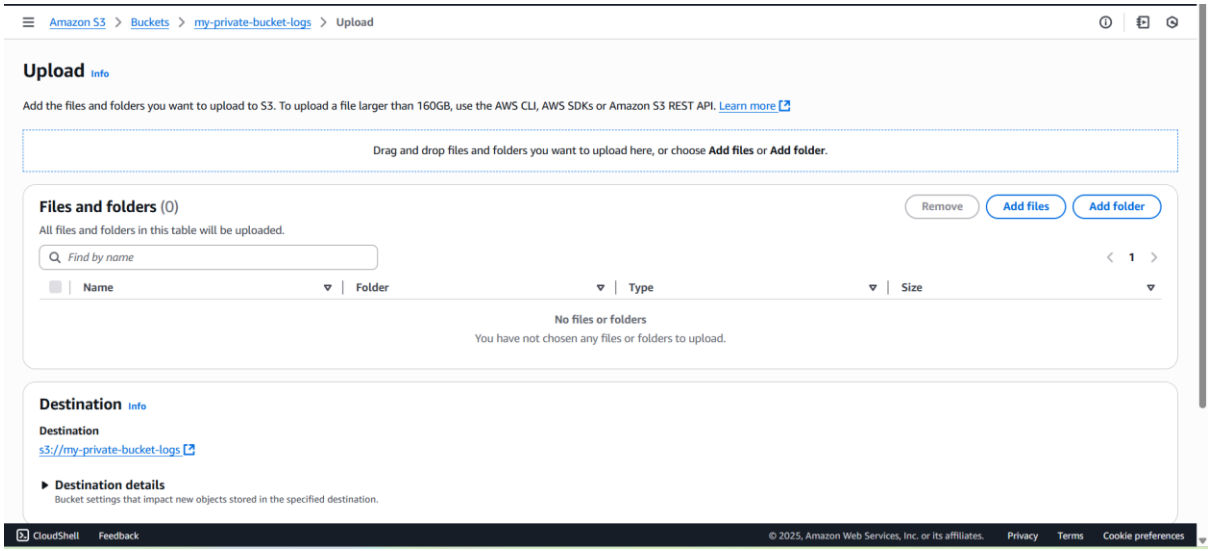







Amazon S3 > Buckets
Successfully created bucket "my-private-bucket-logs"
To upload files and folders, or to configure additional bucket settings, choose View details.
View details
Account snapshot - updated every 24 hours
All AWS Regions
Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. Learn more
View Storage Lens dashboard
General purpose buckets
Directory buckets
General purpose buckets (1) Info
All AWS Regions
Buckets are containers for data stored in S3.
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
IAM Access Analyzer
Creation date
my-private-bucket-logs
US East (N. Virginia) us-east-1
View analyzer for us-east-1
June 4, 2025, 16:18:46 (UTC+05:30)


Amazon S3 > Buckets > my-private-bucket-logs
my-private-bucket-logs Info
Objects
Metadata
Properties
Permissions
Metrics
Management
Access Points
Objects (0)
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Find objects by prefix
Name
Type
Last modified
Size
Storage class
No objects
You don't have any objects in this bucket.
Upload


Amazon S3 > Buckets > my-private-bucket-logs > Upload
Upload Info
Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more
Drag and drop files and folders you want to upload here, or choose Add files or Add folder.
Files and folders (0)
Remove
Add files
Add folder
All files and folders in this table will be uploaded.
Find by name
Name
Folder
Type
Size
No files or folders
You have not chosen any files or folders to upload.
Destination Info
Destination
s3://my-private-bucket-logs
Destination details
Bucket settings that impact new objects stored in the specified destination.
CloudShell
Feedback
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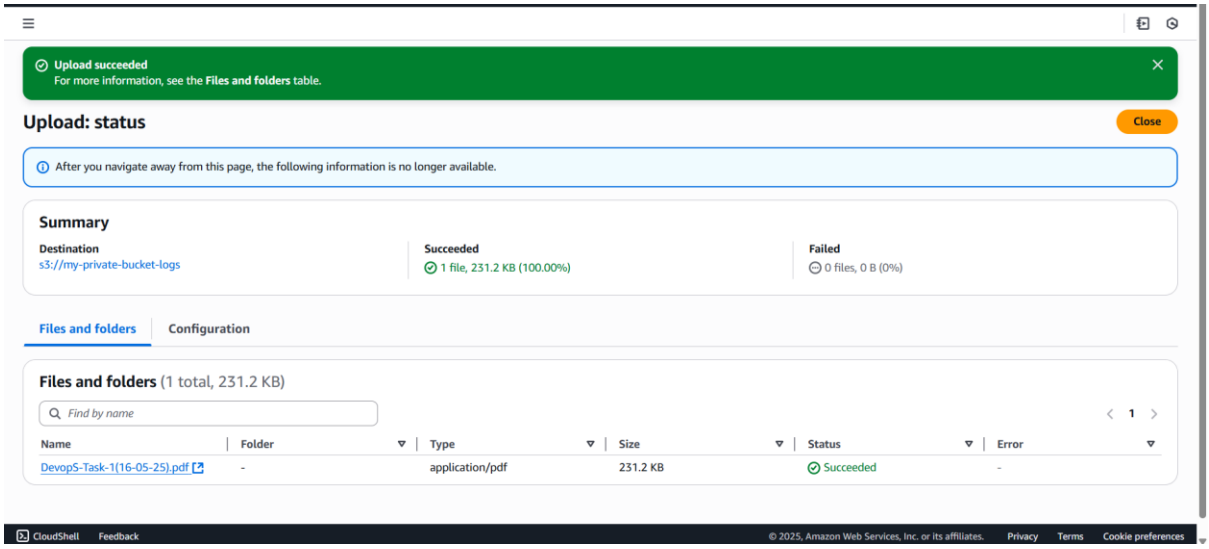
Upload succeeded
For more information, see the Files and folders table.
Upload: status
Close
After you navigate away from this page, the following information is no longer available.
Summary
Destination
s3://my-private-bucket-logs
Succeeded
1 file, 231.2 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 total, 231.2 KB)
Find by name
Name
Folder
Type
Size
Status
Error
DevopS-Task-1(16-05-25).pdf
application/pdf
231.2 KB
Succeeded
CloudShell
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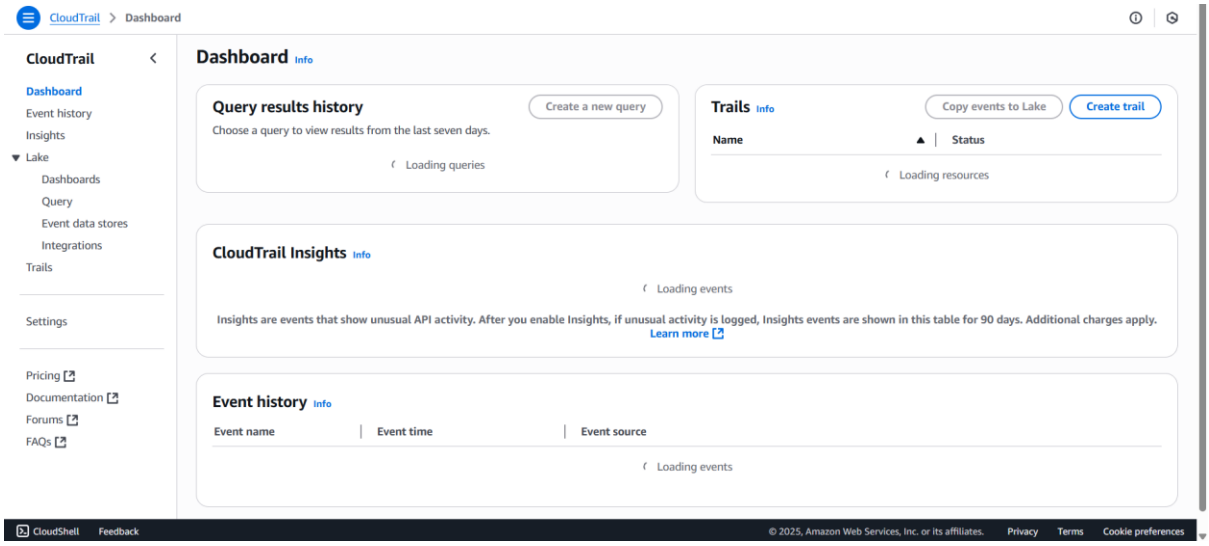
CloudTrail
Dashboard
CloudTrail
Dashboard
Event history
Insights
Lake
Dashboards
Query
Event data stores
Integrations
Trails
Settings
Pricing
Documentation
Forums
FAQs
Dashboard Info
Query results history
Choose a query to view results from the last seven days.
Create a new query
Loading queries
Trails Info
Copy events to Lake
Create trail
Name
Status
Loading resources
CloudTrail Insights Info
Loading events
Insights are events that show unusual API activity. After you enable Insights, if unusual activity is logged, Insights events are shown in this table for 90 days. Additional charges apply.
Learn more
Event history Info
Event name
Event time
Event source
Loading events
CloudShell
Feedback
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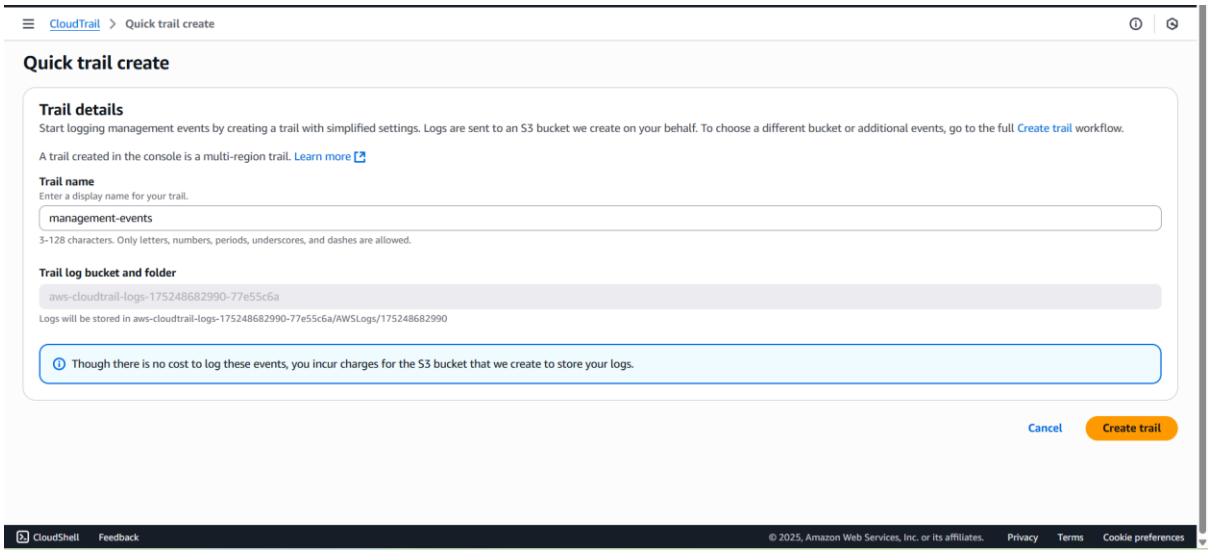
CloudTrail
Quick trail create
Quick trail create
Trail details
Start logging management events by creating a trail with simplified settings. Logs are sent to an S3 bucket we create on your behalf. To choose a different bucket or additional events, go to the full Create trail workflow.
A trail created in the console is a multi-region trail. Learn more
Trail name
Enter a display name for your trail.
management-events
3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.
Trail log bucket and folder
aws-cloudtrail-logs-175248682990-77e55c6a
Logs will be stored in aws-cloudtrail-logs-175248682990-77e55c6a/AWSLogs/175248682990
Though there is no cost to log these events, you incur charges for the S3 bucket that we create to store your logs.
Cancel
Create trail
CloudShell
Feedback
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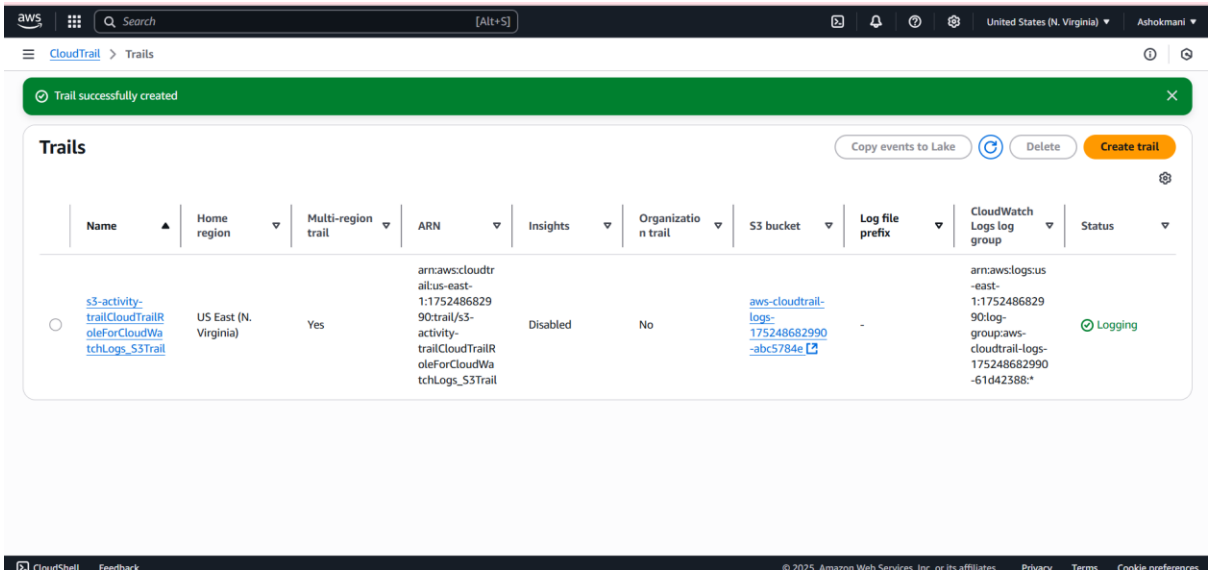
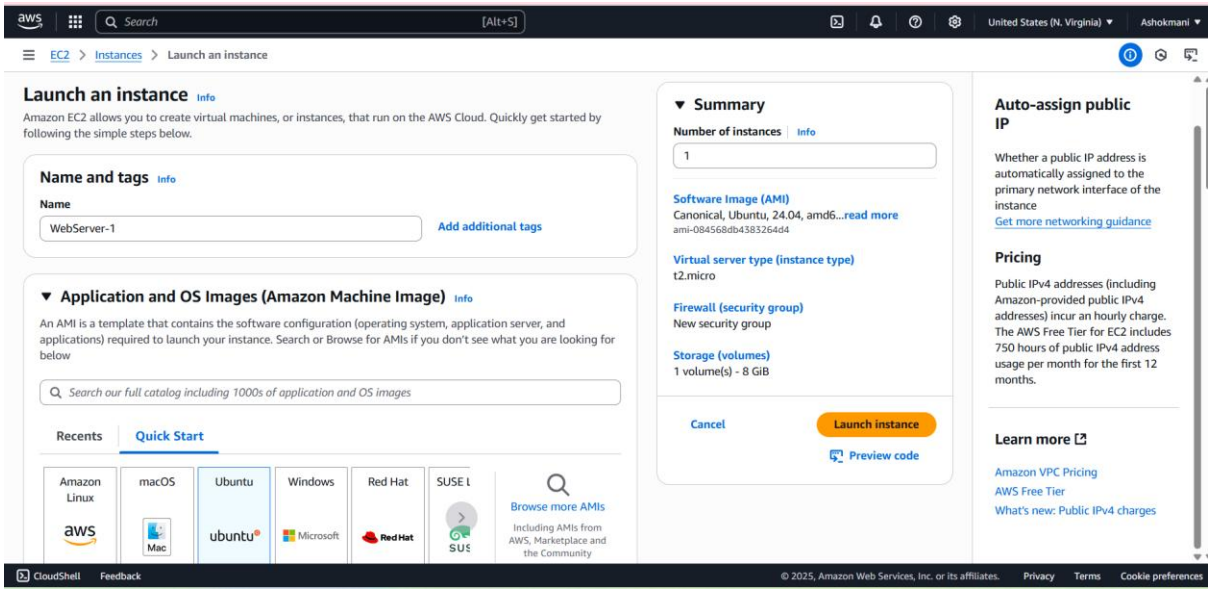
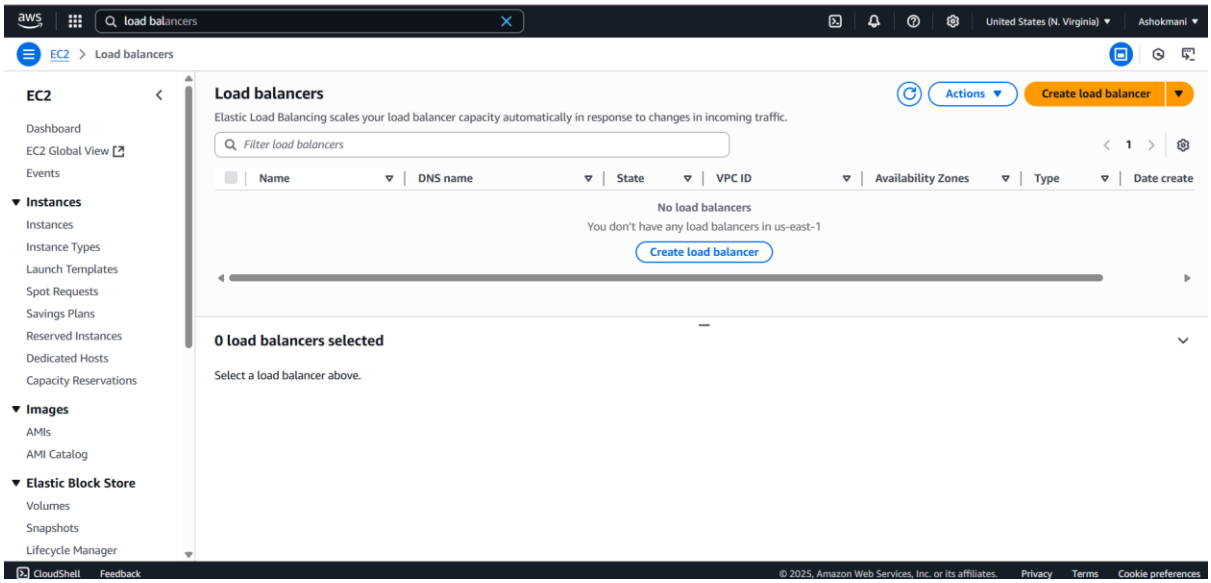


2.Launch two ec2-instances and connect it to a application load balancer, where the output traffic from the server must be an load balancer IP address




load balancers
United States (N. Virginia)
Ashokmani
EC2 > Load balancers
EC2
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Load balancers
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.
Actions
Create load balancer
Filter load balancers
Name
DNS name
State
VPC ID
Availability Zones
Type
Date create
No load balancers
You don't have any load balancers in us-east-1
Create load balancer
0 load balancers selected
Select a load balancer above.
CloudShell
Feedback
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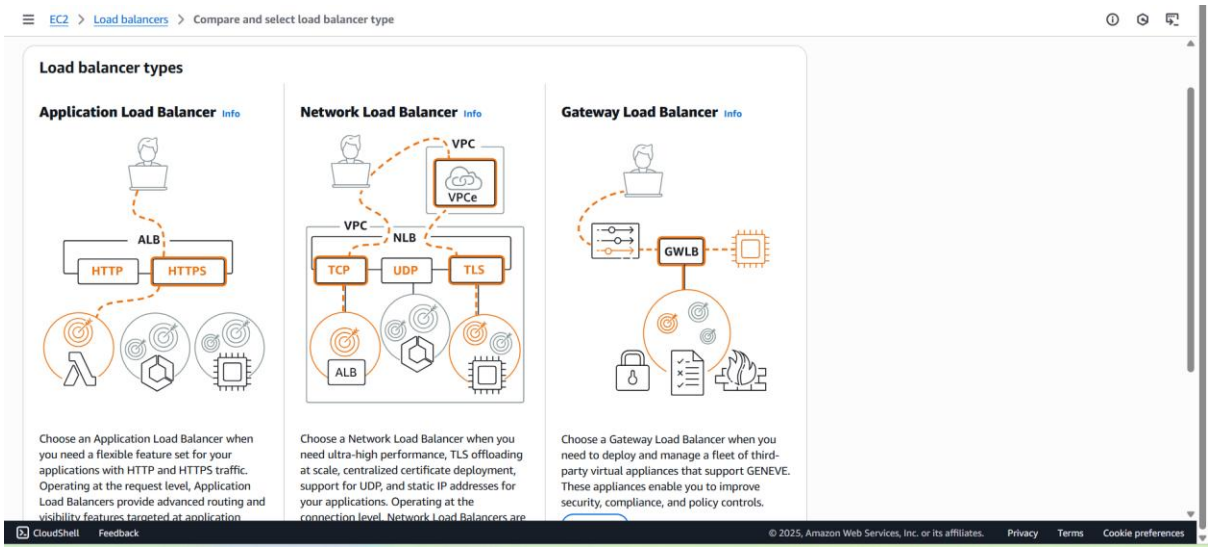
EC2 > Load balancers > Compare and select load balancer type
Load balancer types
Application Load Balancer Info
ALB
HTTP
HTTPS
Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and
Network Load Balancer Info
VPC
VPCe
VPC
NLB
TCP
UDP
TLS
ALB
Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the
Gateway Load Balancer Info
GWLB
Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.
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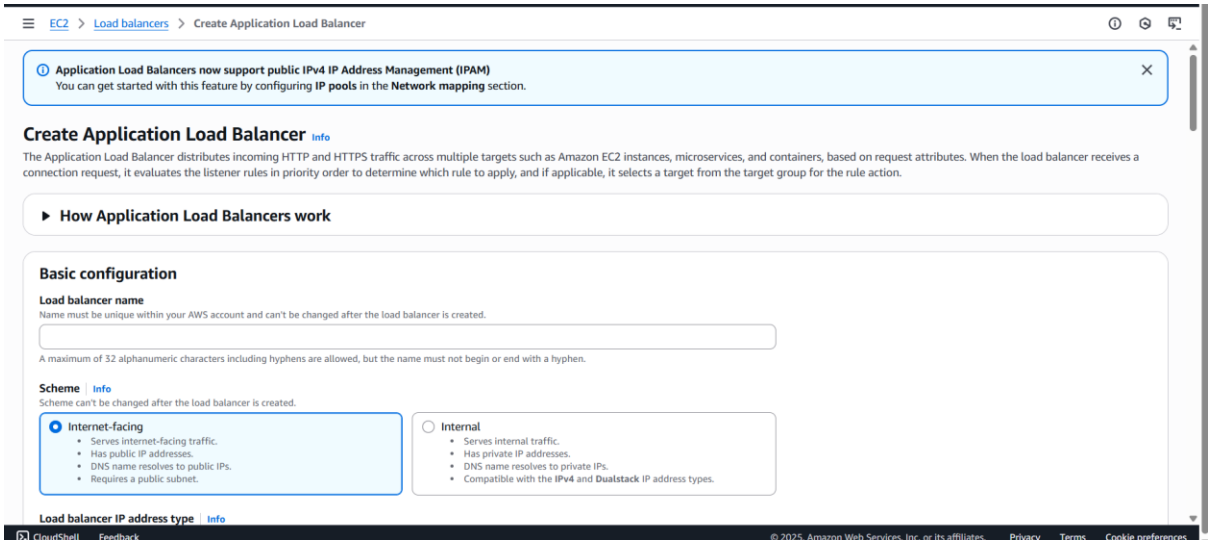
EC2 > Load balancers > Create Application Load Balancer
Application Load Balancers now support public IPv4 IP Address Management (IPAM)
You can get started with this feature by configuring IP pools in the Network mapping section.
Create Application Load Balancer Info
The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.
How Application Load Balancers work
Basic configuration
Load balancer name
Name must be unique within your AWS account and can't be changed after the load balancer is created.
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.
Scheme Info
Scheme can't be changed after the load balancer is created.
Internet-facing
Serves internet-facing traffic.
Has public IP addresses.
DNS name resolves to public IPs.
Requires a public subnet.
Internal
Serves internal traffic.
Has private IP addresses.
DNS name resolves to private IPs.
Compatible with the IPv4 and Dualstack IP address types.
Load balancer IP address type Info
CloudShell
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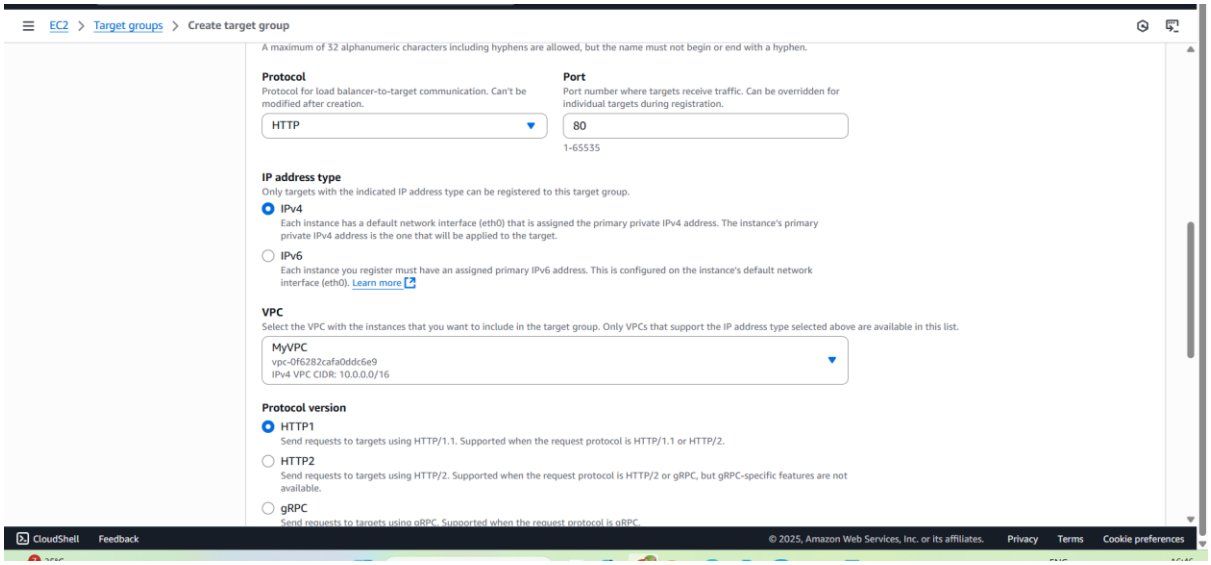
EC2 > Target groups > Create target group
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.
Protocol
Protocol for load balancer-to-target communication. Can't be modified after creation.
HTTP
Port
Port number where targets receive traffic. Can be overridden for individual targets during registration.
80
1-65535
IP address type
Only targets with the indicated IP address type can be registered to this target group.
IPv4
Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.
IPv6
Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more
VPC
Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.
MyVPC
vpc-0f6282cafa0ddc6e9
IPv4 VPC CIDR: 10.0.0.0/16
Protocol version
HTTP1
Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.
HTTP2
Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.
gRPC
CloudShell
Feedback
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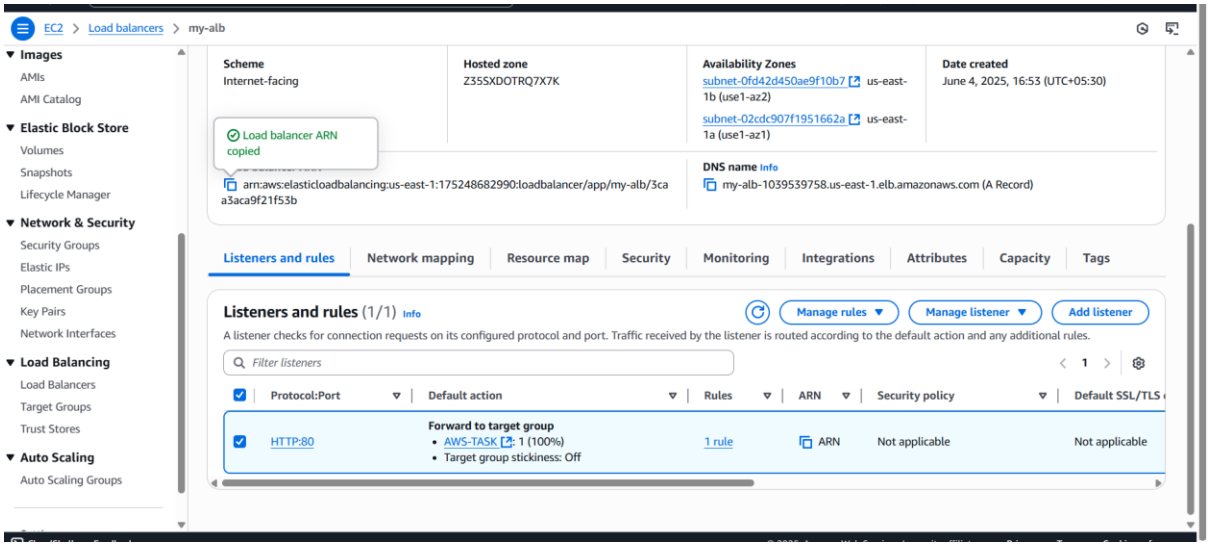
EC2 > Load balancers > my-alb
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Trust Stores
Auto Scaling
Auto Scaling Groups
Scheme
Internet-facing
Hosted zone
Z35SXDOTRQ7X7K
Availability Zones
subnet-0fd42d450ae9f10b7 us-east-1b (use1-az2)
subnet-02cdc907f1951662a us-east-1a (use1-az1)
Date created
June 4, 2025, 16:53 (UTC+05:30)
Load balancer ARN copied
arn:aws:elasticloadbalancing:us-east-1:175248682990:loadbalancer/app/my-alb/3caa3aca9f21f53b
DNS name Info
my-alb-1039539758.us-east-1.elb.amazonaws.com (A Record)
Listeners and rules
Network mapping
Resource map
Security
Monitoring
Integrations
Attributes
Capacity
Tags
Listeners and rules (1/1) Info
Manage rules
Manage listener
Add listener
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.
Filter listeners
Protocol:Port
Default action
Rules
ARN
Security policy
Default SSL/TLS
HTTP:80
Forward to target group
AWS-TASK: 1 (100%)
Target group stickiness: Off
1 rule
ARN
Not applicable
Not applicable