

## Task 23 - GWLB and Cloud front

Create 2 vpc one for aws and another for security.....

And create one public and one private instance for aws

And for security create private instance

The screenshot shows the AWS EC2 Instances page. The left sidebar has sections for Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager, Images, and Elastic Block Store. The main content area displays a table of instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Publ.
security private	i-066bf3c2c59223877	Running	t3.micro	3/3 checks passed	View alarms +	us-east-1a	-
aws 1st pub	i-0f93cf6be47bbd5a3	Running	t3.micro	3/3 checks passed	View alarms +	us-east-1a	ec2-2
sec pub	i-0d170cc085e683b7ae	Running	t3.micro	3/3 checks passed	View alarms +	us-east-1a	ec2-4
aws private	i-025e242e0d9f8bb21	Running	t3.micro	3/3 checks passed	View alarms +	us-east-1a	-

Below the table, a modal window titled "Select an instance" is open, listing the same four instances. The bottom of the screen shows the Windows taskbar with various pinned icons.

Create load balancer for security and target group

The screenshot shows the AWS Load Balancers page. The left sidebar has sections for Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers selected, Target Groups, Trust Stores), Auto Scaling (Auto Scaling Groups), and Settings. The main content area displays a table of load balancers:

Name	State	Type	Scheme	IP address type	VPC ID	Availability Zones
securityyyyyyglb	Active	gateway	-	IPv4	vpc-028f231b5c1b0fce	us-east-1a (use1-az)

Below the table, a message says "0 load balancers selected" and "Select a load balancer above." The bottom of the screen shows the Windows taskbar with various pinned icons.

## Create end point service for security

The screenshot shows the AWS VPC Endpoint Services console. On the left, there's a navigation sidebar with options like 'gateways', 'Carrier gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'NAT gateways', 'Peering connections', 'Route servers', 'Security', 'Network ACLs', 'Security groups', 'PrivateLink and Lattice', 'Getting started', 'Endpoints', 'Endpoint services', 'Service networks', 'Lattice services', 'Resource configurations', 'Resource gateways', and 'Target groups'. The main area displays a table titled 'Endpoint services (1/1)'. The table has columns for 'Name' (securityyyyy), 'Service ID' (vpce-svc-0d92e540412941d06), 'Types' (GatewayLoadBalancer), 'Service name' (com.amazonaws.vpce.us-east-1.vpce-sv...), 'State' (Available), and 'Available'. Below the table, there's a tab bar with 'Details' (selected), 'Load balancers', 'Allow principals', 'Endpoint connections', 'Notifications', and 'Supported'. A tooltip from a Snipping Tool window says 'Screenshot copied to clipboard' and 'Automatically saved to screenshots folder'. The status bar at the bottom shows 'CloudShell', 'Feedback', 'Console Mobile App', 'Search', and various system icons.

## Create end point for aws

The screenshot shows the AWS VPC Endpoints console. The left sidebar includes 'gateways', 'Carrier gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'NAT gateways', 'Peering connections', 'Route servers', 'Security', 'Network ACLs', 'Security groups', 'PrivateLink and Lattice', 'Getting started', 'Endpoints', 'Endpoint services', 'Service networks', 'Lattice services', 'Resource configurations', 'Resource gateways', and 'Target groups'. The main area shows a table titled 'Endpoints (1)'. The table has columns for 'Name' (aws), 'VPC endpoint ID' (vpce-0f396a8984314fbea), 'Endpoint type' (GatewayLoadBalancer), 'Status' (Available), and 'Service name' (com.amazonaws.vpce.us-east-1.vpce-sv...). Below the table, there's a section titled 'Select an endpoint'. The status bar at the bottom shows 'CloudShell', 'Feedback', 'Console Mobile App', 'Search', and various system icons.

The output will be appear in aws private instance...

```
0 packets received by interface
0 packets dropped by kernel
root@ip-10-0-12-10:/home/ubuntu# tcpdump -nvv 'port 6081'
tcpdump: listening on ens5, link-type EN10MB (Ethernet), snapshot length 262144 bytes
```

i\_nfQ3rfGhe47hhdEoZ (aws 1st run)

## CLOUD FRONT

Create s3 bucket AND UPLOAD HTML FILES THERE BLOCK ALL PUBLIC ACCESS

AND CREATE cloud trail after that go to security and enable the oai

The screenshot shows the AWS CloudFront Origins configuration page. The left sidebar includes sections for CloudFront, Distributions, Policies, Functions, Static IPs, VPC origins, SaaS (Multi-tenant distributions, Distribution tenants), Telemetry (Monitoring, Alarms, Logs), and Reports & analytics (Cache statistics, Popular objects, Top referrers). The main content area is titled "cloud front Standard". It has tabs for General, Security, Origins (selected), Behaviors, Error pages, Invalidations, Tags, and Logging. Under the Origins tab, there is a table with one row:

Origin name	Origin domain	Origin path	Origin type	Origin Shield reg...	Origin access
23232324688.s3.us-east...	23232324688.s3.us...		S3		origin-access-identi...

Below the table, there is a section for "Origin groups (0)" with a table and a note: "No origin groups You don't have any origin groups. Create origin group".

In s3 properties go to bucket policy u see the oai

The screenshot shows the AWS S3 Bucket Properties page for bucket '23232324688'. The left sidebar shows 'General purpose buckets' and 'Storage Lens' sections. The main content area displays a JSON-based bucket policy:

```
], "Action": "s3:GetObject", "Resource": "arn:aws:s3:::23232324688/*", "Condition": { "ArnLike": { "AWS:SourceArn": "arn:aws:cloudfront:947309778595:distribution/E222VW48CZW35W" } }, { "Sid": "2", "Effect": "Allow", "Principal": "arn:aws:iam::cloudfront:user/CloudFront Origin Access Identity E2KF2T7G5MA40G", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::23232324688/*" } ]}
```

Copy ht dns and paste in new tab u see the output

The screenshot shows the AWS CloudFront Distribution Properties page for distribution 'E222VW48CZW35W'. The left sidebar shows 'Distributions', 'SaaS', 'Telemetry', and 'Reports & analytics' sections. The main content area shows the distribution details and settings:

**Details**

Name	cloud front	Distribution domain name	dsesbur5plb3b.cloudfront.net
		ARN	arn:aws:cloudfront:947309778595:distribution/E222VW48CZW35W
		Last modified	November 2, 2025 at 4:32:24 PM UTC

**Settings**

Description	Alternate domain names	Standard logging
Price class	Add domain	Off
Use all edge locations (best performance)		Cookie logging
Supported HTTP versions		Off
HTTP/2, HTTP/1.1, HTTP/1.0		Default root object
		index.html

