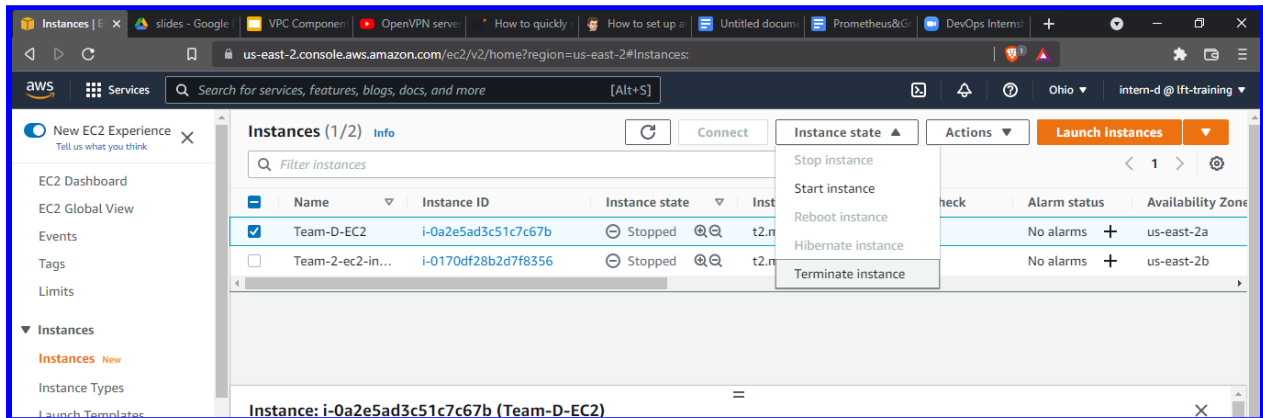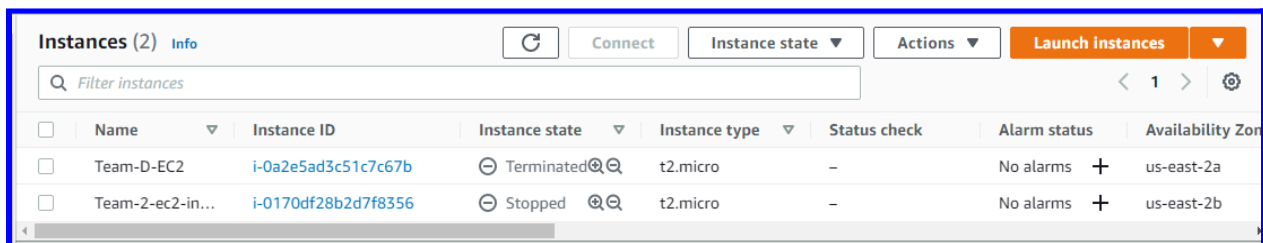# Terminate previously created EC2

Terminating EC2 Instance

EC2 Instance Terminated
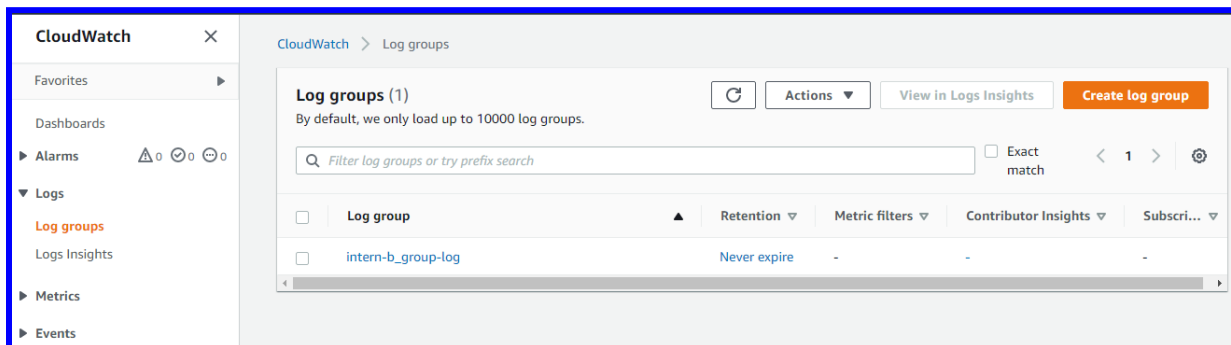

(Optional) Enable VPC Flow Logs via CloudWatch Log.

For Creating Flow Logs via CloudWatch
We need **_IAM Role & Log Group_** We are using the same IAM role "**AWSServiceRoleForApplicationInsights**" created already. ## Creating CloudWatch log Group

Log Group Details

Create log group

Log group details

Log group name

Team-D-CloudWatch-Log-Group

Retention setting

Never expire ▼

KMS key ARN - optional

Tags

A tag is a label that you assign to an Amazon Web Services resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your Amazon Web Services costs.

Key	Value - optional	
🔍 Name ✕	🔍 Team-D-CloudWatch-Log-Group ✕	**Remove**

Add new tag

Log Group successfully created

Log groups (2)
By default, we only load up to 10000 log groups.

🔄 | Actions ▼ | View in Logs Insights | **Create log group**

🔍 Filter log groups or try prefix search   ☐ Exact match   ‹ 1 › ⚙

☐	Log group ▲	Retention ▽	Metric filters ▽	Contributor Insights ▽	Subscri... ▽
☐	intern-b_group-log	Never expire	-	-	-
☐	Team-D-CloudWatch-Log-Group	Never expire	-	-	-

Creating Flow Logs for VPC

VPC > Your VPCs > vpc-0537baf72f80d5930

vpc-0537baf72f80d5930 / Team-D-VPC

Actions ▲

Create flow log

Details Info

Edit CIDRs

Edit DHCP options set

Edit DNS hostnames

| VPC ID | State | DNS hostnames | DN! | Edit DNS resolution |
| vpc-0537baf72f80d5930 | ⊘ Available | Disabled | Ena | Manage middlebox routes |

| Tenancy | DHCP options set | Main route table | Mai | Manage tags |
| Default | dopt-0dbb64d8ec97c5e0e | rtb-07774796230288822 | acl- | Delete VPC |

| Default VPC | IPv4 CIDR | IPv6 pool | IPv6 CIDR |
| No | 10.15.32.0/22 | – | – |

Flow log details

Flow log settings

Name - *optional*

Team-D-Flow-Logs

Filter
The type of traffic to capture (accepted traffic only, rejected traffic only, or all traffic).

○ Accept

○ Reject

● All

Maximum aggregation interval Info
The maximum interval of time during which a flow of packets is captured and aggregated into a flow log record.

● 10 minutes

○ 1 minute

Destination
The destination to which to publish the flow log data.

● Send to CloudWatch Logs

○ Send to an Amazon S3 bucket

Destination log group Info
The name of the Amazon CloudWatch log group to which the flow log is published. A new log stream is created for each monitored network interface.

Team-D-CloudWatch-Log-Group ▼

Flow log details

IAM role **Info**
The IAM role that has permission to publish to the Amazon CloudWatch log group.

AWSServiceRoleForApplicationInsights ▼

The IAM role must have permission to publish to the CloudWatch log group. Set up permissions ↗

Log record format
Specify the fields to include in the flow log record.

● AWS default format
○ Custom format

Format preview

${version} ${account-id} ${interface-id} ${srcaddr} ${dstaddr} ${srcport} ${dstport} ${protocol} ${packets} ${bytes} ${start} ${end} ${action} ${log-status}

Copy

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search a your resources or track your AWS costs.

Key
Name ✕

Value - *optional*
Team-D-Flow-Logs ✕

Remove

Successfully created Flow-Logs Via CloudWatch

⊘ Successfully created flow log for vpc-0537baf72f80d5930.

Your VPCs (1/3) **Info**

Actions ▼   Create VPC

Filter VPCs   ‹ 1 ›   ⚙

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
☐	Team-B-VPC	vpc-0129bda0428def1cf	⊘ Available	10.15.16.0/22	–
☑	Team-D-VPC	vpc-0537baf72f80d5930	⊘ Available	10.15.32.0/22	–

Flow logs (1/1) **Info**

Actions ▼   Create flow log

Filter flow logs   ‹ 1 ›   ⚙

	Name	Flow log ID	Filter	Destination type	Des
☑	Team-D-Flow-Logs	fl-0c63b32cb500d7443	ALL	cloud-watch-logs	Tea

Create 3 subnets in each AZ to be used as public.

The VPC network is **10.15.32.0/22**

To create 6 subnets **(3-Pub & 3-Pvt)**

Using Subnet Masking of 27 - *32 Hosts in each subnet*

Name	Range	Number of Host Available *in AWS*	Availability Zone
Pub Subnet 1	*10.15.32.0 - 10.15.32.31*	*27*	*us-east-2a*
Pub Subnet 2	*10.15.32.32 - 10.15.32.63*	*27*	*us-east-2b*
Pub Subnet 3	*10.15.32.64 - 10.15.32.95*	*27*	*us-east-2c*
Pvt Subnet 1	*10.15.32.96 - 10.15.32.127*	*27*	*us-east-2a*
Pvt Subnet 2	*10.15.32.128 - 10.15.32.159*	*27*	*us-east-2b*
Pvt Subnet 3	*10.15.32.160 - 10.15.32.191*	*27*	*us-east-2c*

Creating Subnets - **Home_Page**

Creating **Public Subnet 1**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC) ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pub-Subnet-1

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (Ohio) / us-east-2a ▼

IPv4 CIDR block Info

Q 10.15.32.0/27 ✕

▼ Tags - optional

Key   Value - optional

Q Name   ✕   Q Team-D-Pub-Subnet-1   ✕   Remove

Add new tag

Creating **Public Subnet 2**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC) ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pub-Subnet-2

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (Ohio) / us-east-2b ▼

IPv4 CIDR block Info

🔍 10.15.32.31/27 ✕

▼ Tags - optional

Key	Value - optional	
🔍 Name ✕	🔍 Team-D-Pub-Subnet-2 ✕	Remove

Add new tag

Creating **Public Subnet 3**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC) ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pub-Subnet-3

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
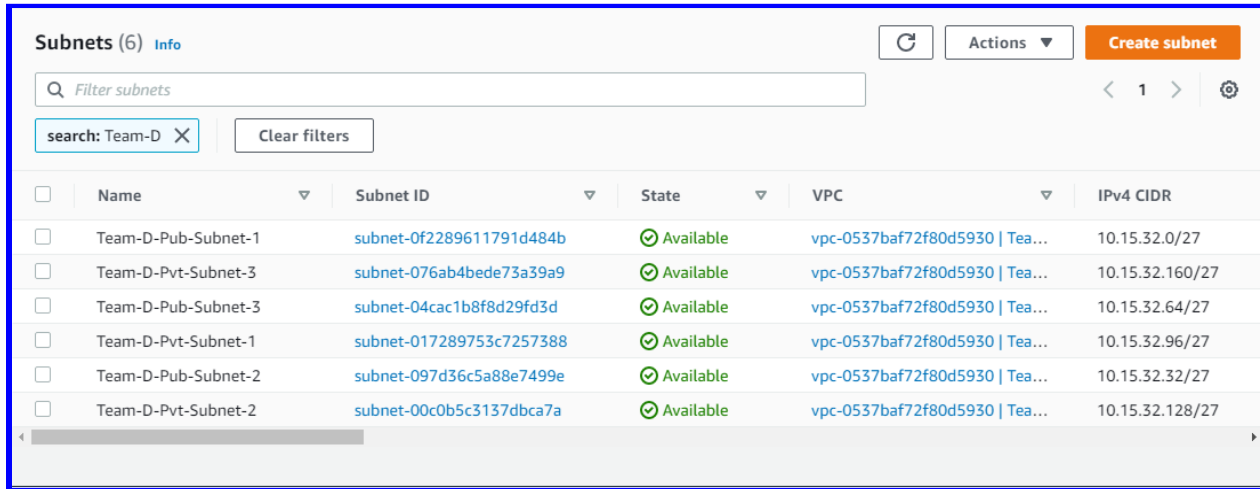
US East (Ohio) / us-east-2c ▼

IPv4 CIDR block Info

Q 10.15.32.64/27   ✕

▼ Tags - *optional*

Key   Value - *optional*

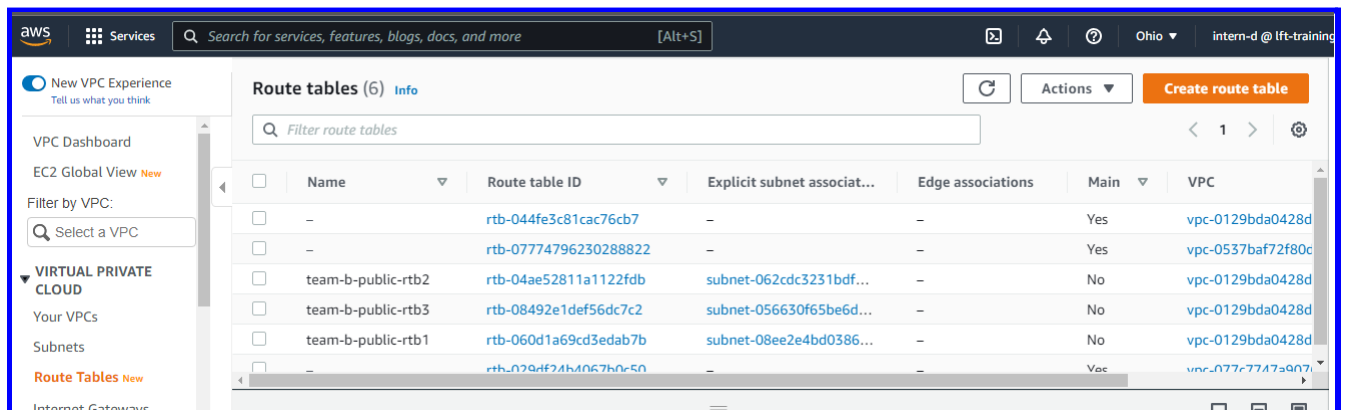Q Name   ✕   Q Team-D-Pub-Subnet-3   ✕   Remove

Add new tag

Create 3 subnets in each AZ to be used as private.

Creating **Private Subnet 1**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC) ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pvt-Subnet-1

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (Ohio) / us-east-2a ▼

IPv4 CIDR block Info

🔍 10.15.32.96/27 ✕

▼ Tags - optional

Key   Value - optional

🔍 Name   ✕   🔍 Team-D-Pvt-Subnet-1   ✕   [Remove]

Creating **Private Subnet 2**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC)   ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pvt-Subnet-2

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (Ohio) / us-east-2b   ▼

IPv4 CIDR block Info

Q 10.15.32.128/27   ✕

▼ Tags - *optional*

Key   Value - *optional*

Q Name   ✕   Q Team-D-Pvt-Subnet-2   ✕   Remove

Creating **Private Subnet 3**

VPC

VPC ID
Create subnets in this VPC.

vpc-0537baf72f80d5930 (Team-D-VPC) ▼

Associated VPC CIDRs

IPv4 CIDRs

10.15.32.0/22

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.

Team-D-Pvt-Subnet-3

The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (Ohio) / us-east-2c ▼

IPv4 CIDR block Info

🔍 10.15.32.160/27 ✕

▼ Tags - *optional*

Key	Value - *optional*	
🔍 Name ✕	🔍 Team-D-Pvt-Subnet-3 ✕	**Remove**

Add new tag

All created subnets of Team-D

Create a Public Route Table and associate public subnets.

Creating Route table - **Home_Page**

Creating public **Route Table**

Successfully Created **Route Table**

Editing subnet association to associate **pub subnets**

Successfully Associated Public Subnets to Public Route table

Create Private Route Table and associate private subnets

Creating Private **Route Table**

Successfully created **Route Table**

Editing subnet association to associate Pvt subnets

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (3/6)

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
☐	Team-D-Pub-Subnet-1	subnet-0f2289611791d484b	10.15.32.0/27	–
☑	Team-D-Pvt-Subnet-1	subnet-017289753c7257388	10.15.32.96/27	–
☑	Team-D-Pvt-Subnet-3	subnet-076ab4bede73a39a9	10.15.32.160/27	–
☐	Team-D-Pub-Subnet-2	subnet-097d36c5a88e7499e	10.15.32.32/27	–
☑	Team-D-Pvt-Subnet-2	subnet-00c0b5c3137dbca7a	10.15.32.128/27	–
☐	Team-D-Pub-Subnet-3	subnet-04cac1b8f8d29fd3d	10.15.32.64/27	–

Finally we have two Route Tables (each with 3 subnets)

Route tables (3) Info

search: Team-D ✕   Clear filters

	Name	Route table ID	Explicit subnet associat...
☐	Team-D-Pvt-RTB	rtb-09f9cee465488e9a1	3 subnets
☐	–	rtb-07774796230288822	–
☐	Team-D-Pub-RTB	rtb-05eeaf795a9933f6d	3 subnets