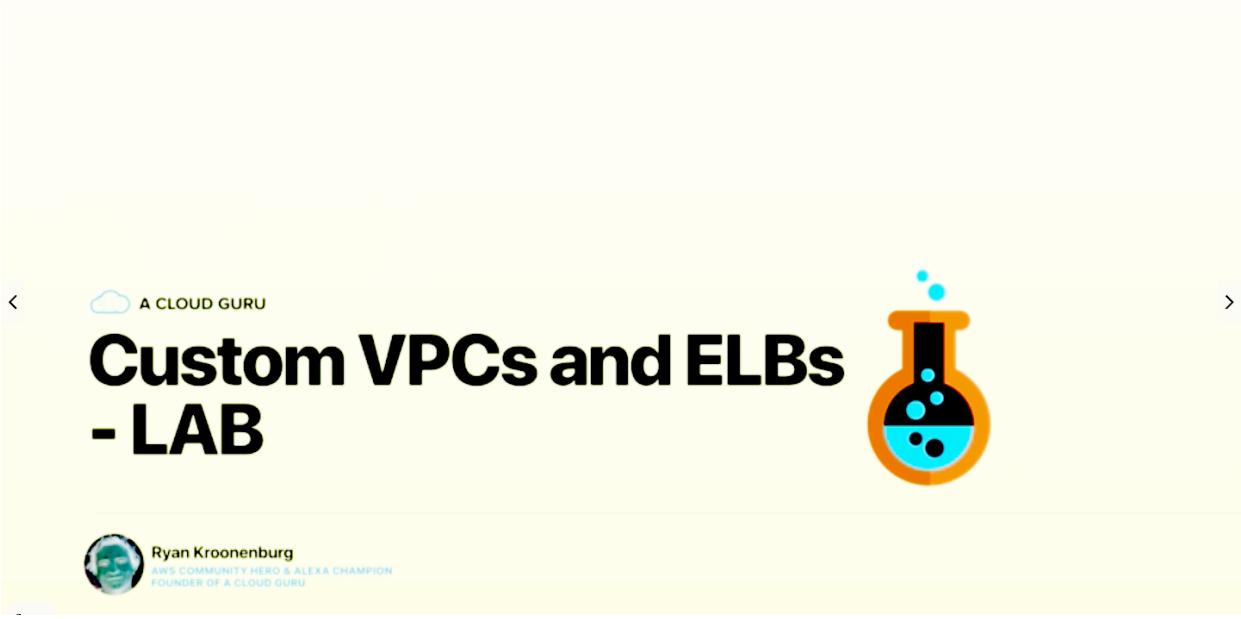
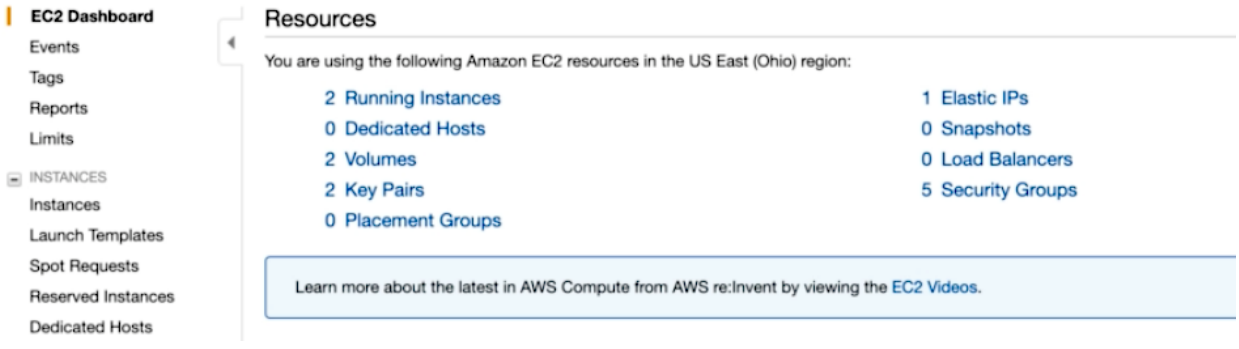
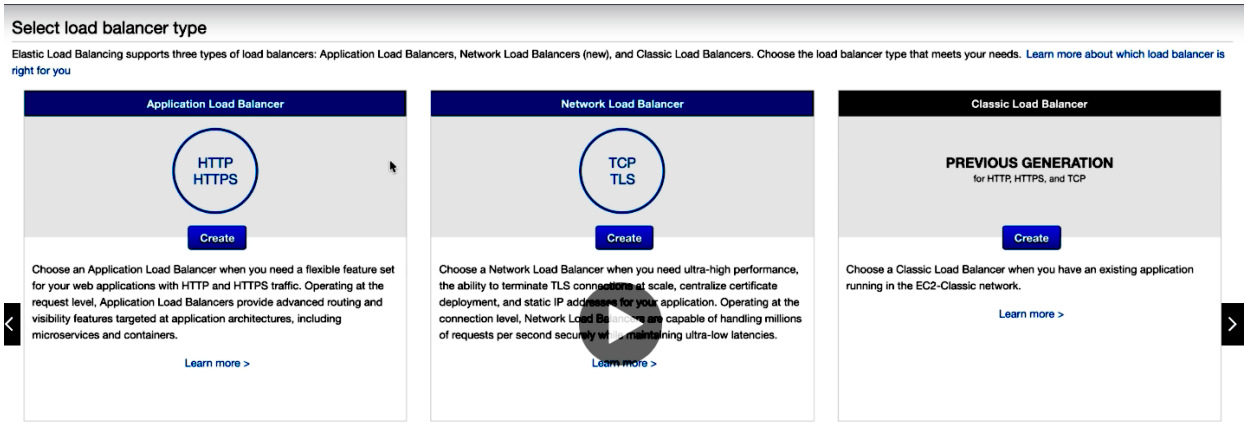
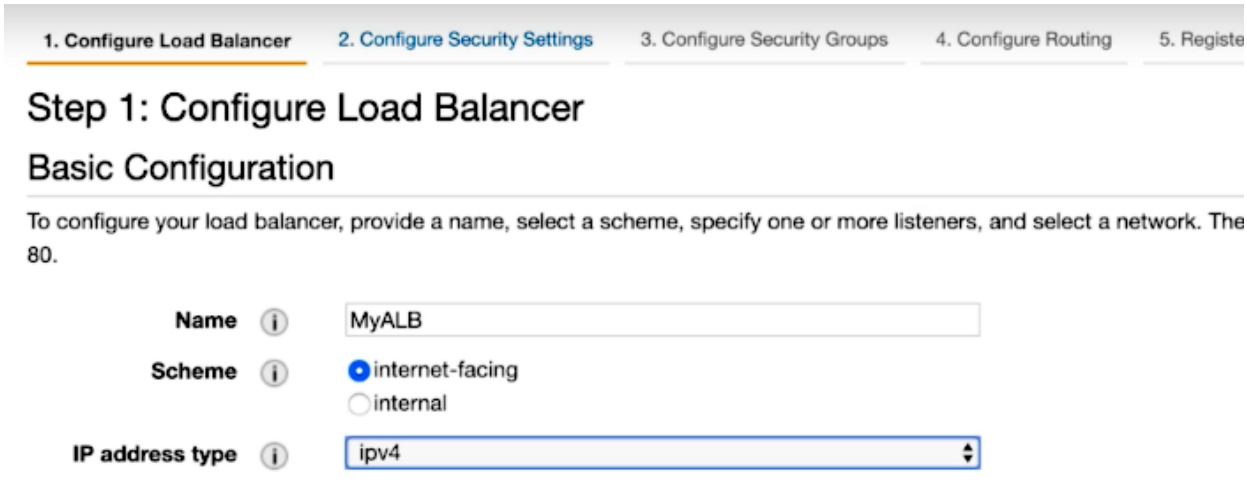
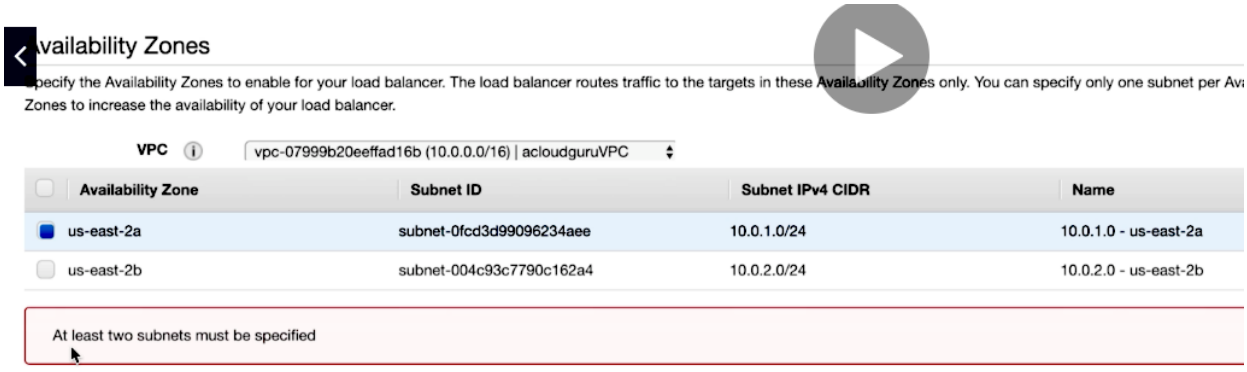

A CLOUD GURU
Custom VPCs and ELBs - LAB
Ryan Kroonenburg
AWS COMMUNITY HERO & ALEXA CHAMPION
FOUNDER OF A CLOUD GURU


EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
Resources
You are using the following Amazon EC2 resources in the US East (Ohio) region:
2 Running Instances
0 Dedicated Hosts
2 Volumes
2 Key Pairs
0 Placement Groups
1 Elastic IPs
0 Snapshots
0 Load Balancers
5 Security Groups
Learn more about the latest in AWS Compute from AWS re:Invent by viewing the EC2 Videos.


Select load balancer type
Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers (new), and Classic Load Balancers. Choose the load balancer type that meets your needs. Learn more about which load balancer is right for you
Application Load Balancer
HTTP
HTTPS
Create
Choose an Application Load Balancer when you need a flexible feature set for your web applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.
Learn more >
Network Load Balancer
TCP
TLS
Create
Choose a Network Load Balancer when you need ultra-high performance, the ability to terminate TLS connections at scale, centralize certificate deployment, and static IP addresses for your application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.
Learn more >
Classic Load Balancer
PREVIOUS GENERATION
for HTTP, HTTPS, and TCP
Create
Choose a Classic Load Balancer when you have an existing application running in the EC2-Classic network.
Learn more >


1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Registe
Step 1: Configure Load Balancer
Basic Configuration
To configure your load balancer, provide a name, select a scheme, specify one or more listeners, and select a network. The
80.
Name
MyALB
Scheme
internet-facing
internal
IP address type
ipv4


Availability Zones
Specify the Availability Zones to enable for your load balancer. The load balancer routes traffic to the targets in these Availability Zones only. You can specify only one subnet per Availability Zone. You must
Zones to increase the availability of your load balancer.
VPC
vpc-07999b20eeffad16b (10.0.0.0/16) | acloudguruVPC
Availability Zone
Subnet ID
Subnet IPv4 CIDR
Name
us-east-2a
subnet-0fcd3d99096234aee
10.0.1.0/24
10.0.1.0 - us-east-2a
us-east-2b
subnet-004c93c7790c162a4
10.0.2.0/24
10.0.2.0 - us-east-2b
You are creating an internet-facing Load Balancer, but there is no Internet Gateway attached to these subnets you have selected: subnet-004c93c7790c162a4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Zones to increase the availability of your load balancer.
VPC
vpc-07999b20eeffad16b (10.0.0.0/16) | acloudguruVPC
Availability Zone
Subnet ID
Subnet IPv4 CIDR
Name
us-east-2a
subnet-0fcd3d99096234aee
10.0.1.0/24
10.0.1.0 - us-east-2a
us-east-2b
subnet-004c93c7790c162a4
10.0.2.0/24
10.0.2.0 - us-east-2b
At least two subnets must be specified