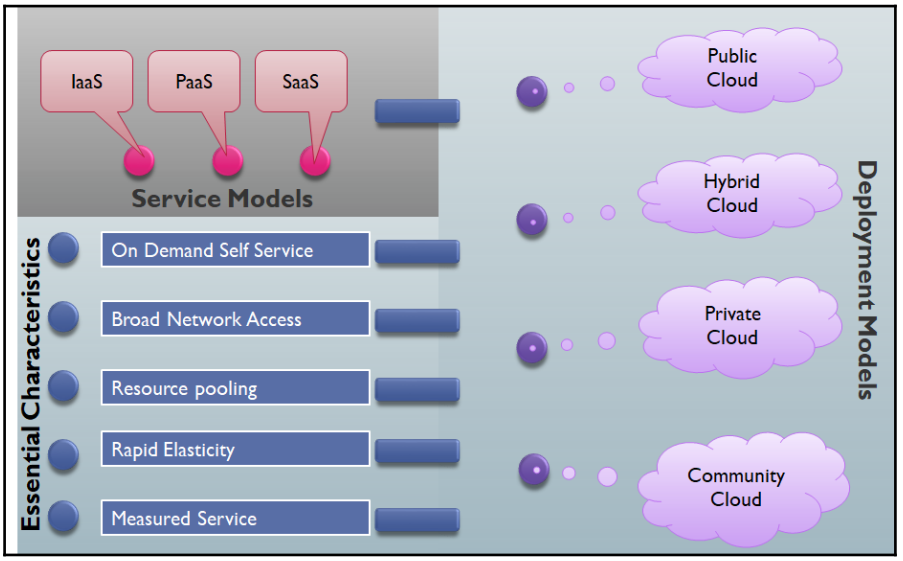
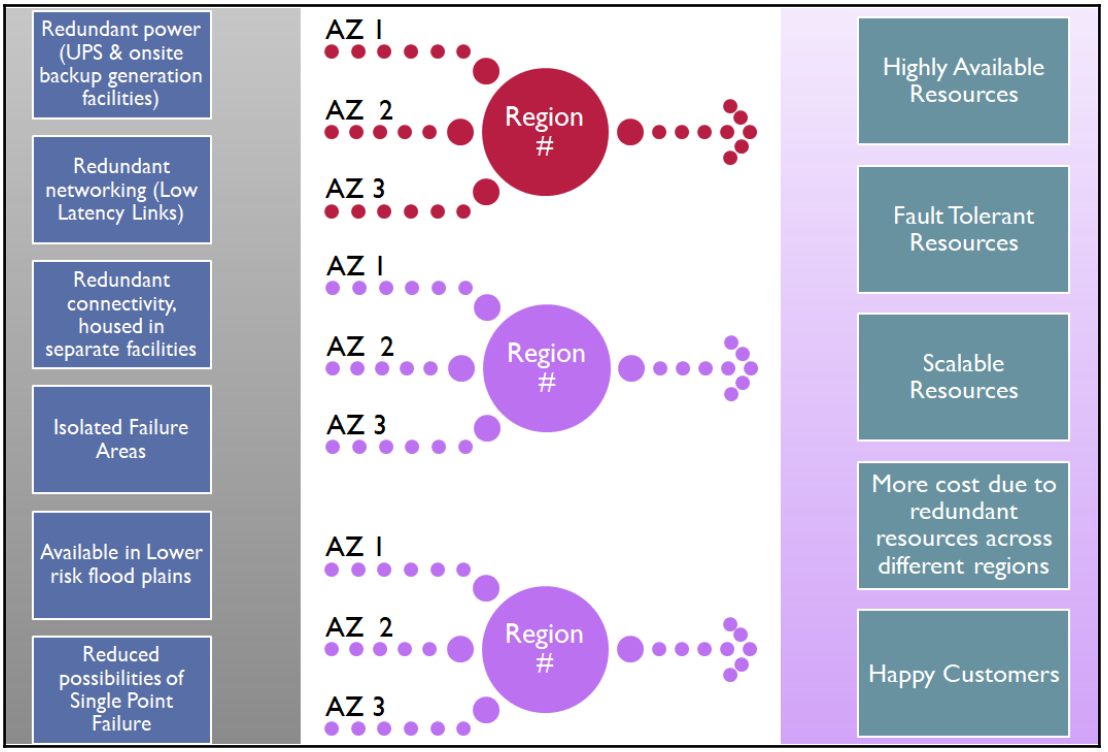
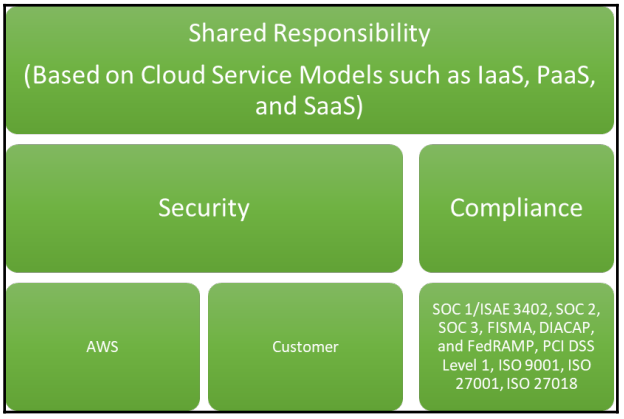
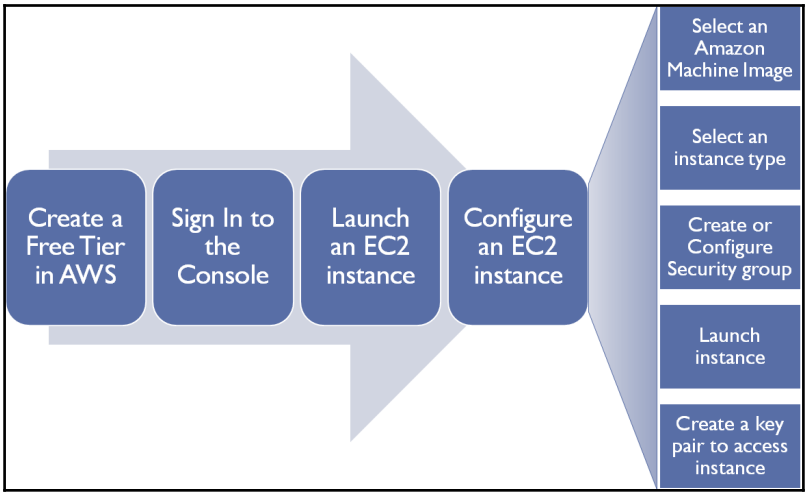
Chapter 1: Basics of Networking on AWS

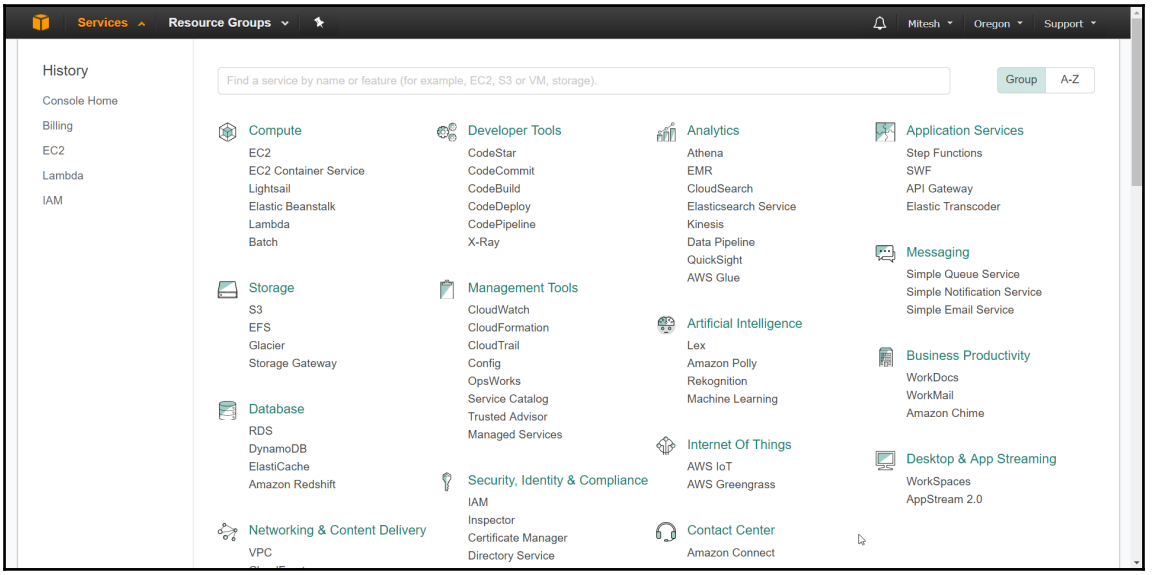


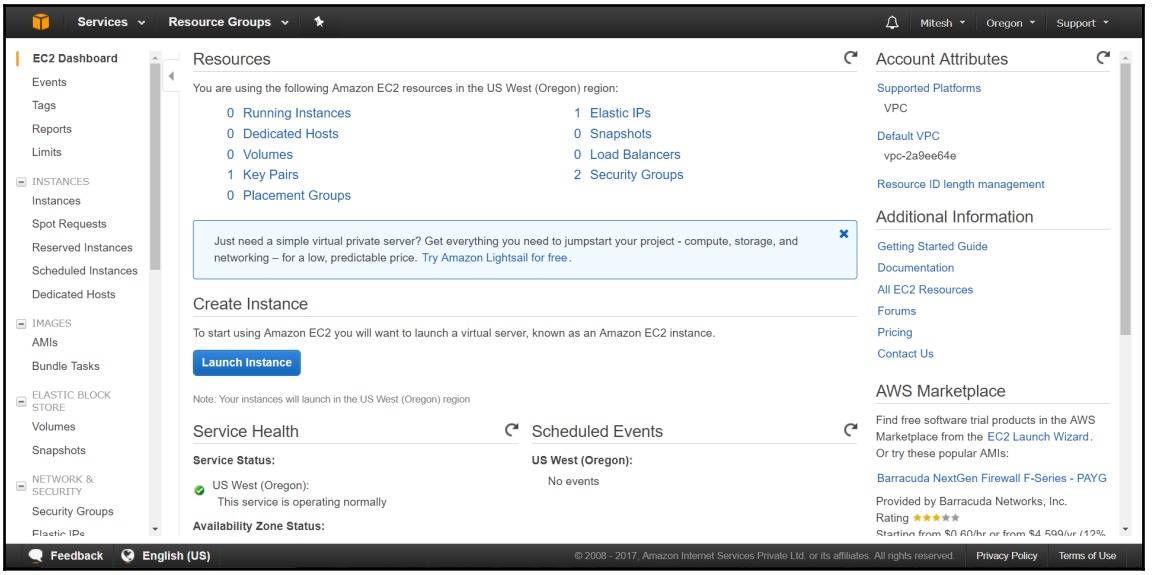

Region & Number of Availability Zones
US East
N. Virginia (6), Ohio (3)
US West
N. California (3), Oregon (3)
Asia Pacific
Mumbai (2), Seoul (2), Singapore (2), Sydney (3), Tokyo (3)
Canada
Central (2)
China
Beijing (2)
Europe
Frankfurt (3), Ireland (3), London (2)
South America
São Paulo (3)
AWS GovCloud (US-West) (2)
New Region (coming soon)
China
France
Hong Kong
Sweden
AWS GovCloud (US-East)


Redundant power (UPS & onsite backup generation facilities)
Redundant networking (Low Latency Links)
Redundant connectivity, housed in separate facilities
Isolated Failure Areas
Available in Lower risk flood plains
Reduced possibilities of Single Point Failure
AZ 1
AZ 2
AZ 3
Region #
AZ 1
AZ 2
AZ 3
Region #
AZ 1
AZ 2
AZ 3
Region #
Highly Available Resources
Fault Tolerant Resources
Scalable Resources
More cost due to redundant resources across different regions
Happy Customers


Shared Responsibility
(Based on Cloud Service Models such as IaaS, PaaS, and SaaS)
Security
Compliance
AWS
Customer
SOC 1/ISAE 3402, SOC 2, SOC 3, FISMA, DIACAP, and FedRAMP, PCI DSS Level 1, ISO 9001, ISO 27001, ISO 27018


Create a Free Tier in AWS
Sign In to the Console
Launch an EC2 instance
Configure an EC2 instance
Select an Amazon Machine Image
Select an instance type
Create or Configure Security group
Launch instance
Create a key pair to access instance


Services
Resource Groups
Mitesh
Oregon
Support
History
Console Home
Billing
EC2
Lambda
IAM
Find a service by name or feature (for example, EC2, S3 or VM, storage).
Group
A-Z
Compute
EC2
EC2 Container Service
Lightsail
Elastic Beanstalk
Lambda
Batch
Developer Tools
CodeStar
CodeCommit
CodeBuild
CodeDeploy
CodePipeline
X-Ray
Analytics
Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
Data Pipeline
QuickSight
AWS Glue
Application Services
Step Functions
SWF
API Gateway
Elastic Transcoder
Storage
S3
EFS
Glacier
Storage Gateway
Management Tools
CloudWatch
CloudFormation
CloudTrail
Config
OpsWorks
Service Catalog
Trusted Advisor
Managed Services
Artificial Intelligence
Lex
Amazon Polly
Rekognition
Machine Learning
Messaging
Simple Queue Service
Simple Notification Service
Simple Email Service
Database
RDS
DynamoDB
ElastiCache
Amazon Redshift
Security, Identity & Compliance
IAM
Inspector
Certificate Manager
Directory Service
Internet Of Things
AWS IoT
AWS Greengrass
Business Productivity
WorkDocs
WorkMail
Amazon Chime
Networking & Content Delivery
VPC
Contact Center
Amazon Connect
Desktop & App Streaming
WorkSpaces
AppStream 2.0


Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Resources
You are using the following Amazon EC2 resources in the US West (Oregon) region:
0 Running Instances
0 Dedicated Hosts
0 Volumes
1 Key Pairs
0 Placement Groups
1 Elastic IPs
0 Snapshots
0 Load Balancers
2 Security Groups
Just need a simple virtual private server? Get everything you need to jumpstart your project - compute, storage, and networking – for a low, predictable price. Try Amazon Lightsail for free.
Create Instance
To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.
Launch Instance
Note: Your instances will launch in the US West (Oregon) region
Service Health
Service Status:
US West (Oregon):
This service is operating normally
Availability Zone Status:
Scheduled Events
US West (Oregon):
No events
Account Attributes
Supported Platforms
VPC
Default VPC
vpc-2a9ee64e
Resource ID length management
Additional Information
Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us
AWS Marketplace
Find free software trial products in the AWS Marketplace from the EC2 Launch Wizard. Or try these popular AMIs:
Barracuda NextGen Firewall F-Series - PAYG
Provided by Barracuda Networks, Inc.
Rating
Feedback
English (US)
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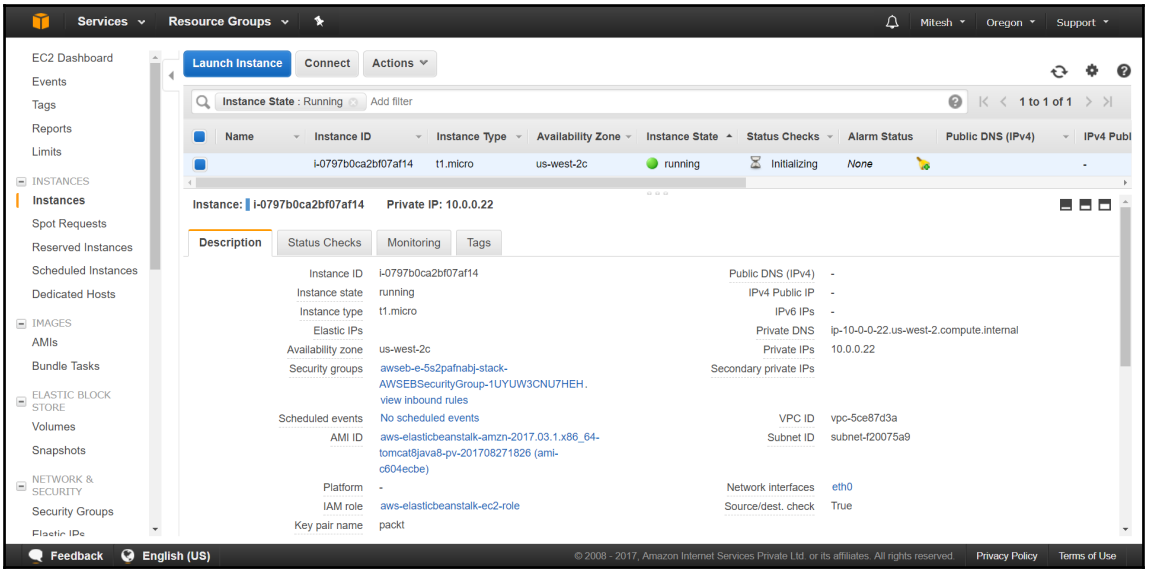
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Scheduled Instances
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ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Launch Instance
Connect
Actions
Instance State : Running
Add filter
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
IPv4 Publ
i-0797b0ca2bf07af14
t1.micro
us-west-2c
running
Initializing
None
Instance: i-0797b0ca2bf07af14
Private IP: 10.0.0.22
Description
Status Checks
Monitoring
Tags
Instance ID i-0797b0ca2bf07af14
Instance state running
Instance type t1.micro
Elastic IPs
Availability zone us-west-2c
Security groups awseb-e-5s2pafnabj-stack-AWSEBSecurityGroup-1UYUW3CNU7HEH. view inbound rules
Scheduled events No scheduled events
AMI ID aws-elasticbeanstalk-amzn-2017.03.1.x86_64-tomcat8java8-pv-201708271826 (ami-c604ecbe)
Platform -
IAM role aws-elasticbeanstalk-ec2-role
Key pair name packt
Public DNS (IPv4) -
IPv4 Public IP -
IPv6 IPs -
Private DNS ip-10-0-0-22.us-west-2.compute.internal
Private IPs 10.0.0.22
Secondary private IPs
VPC ID vpc-5ce87d3a
Subnet ID subnet-f20075a9
Network interfaces eth0
Source/dest. check True
Feedback
English (US)
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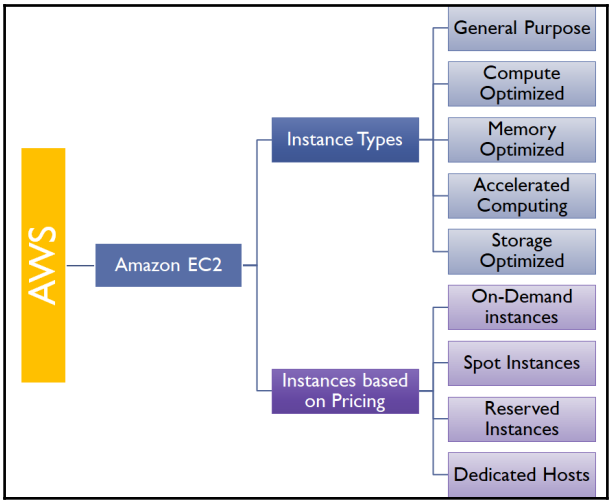
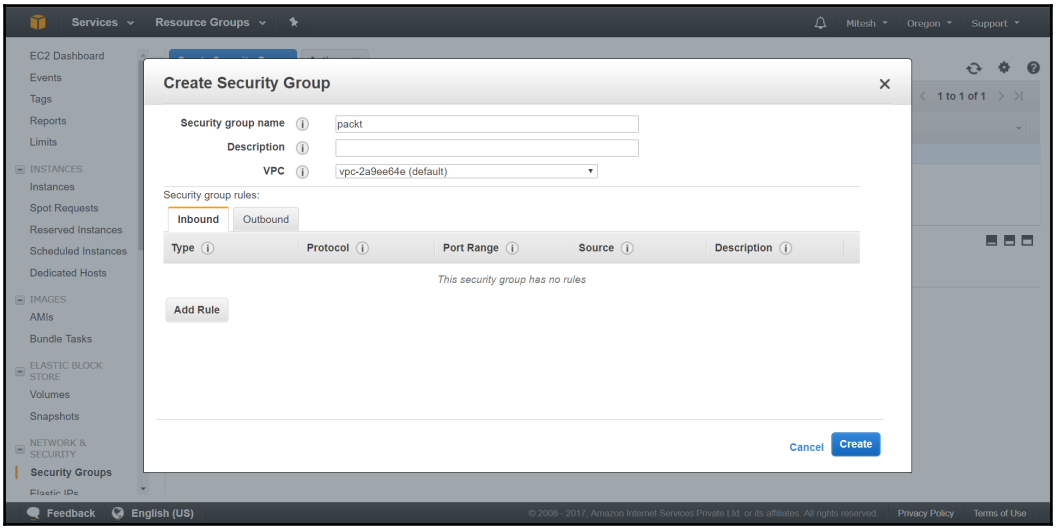

AWS
Amazon EC2
Instance Types
Instances based on Pricing
General Purpose
Compute Optimized
Memory Optimized
Accelerated Computing
Storage Optimized
On-Demand instances
Spot Instances
Reserved Instances
Dedicated Hosts


Services
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Scheduled Instances
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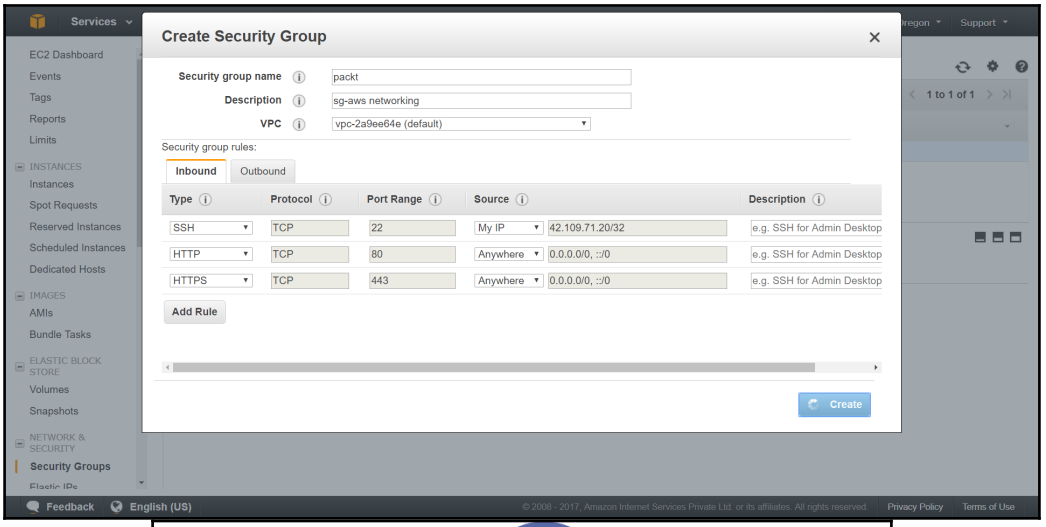
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Create Security Group
Security group name
packt
Description
VPC
vpc-2a9ee64e (default)
Security group rules:
Inbound
Outbound
Type
Protocol
Port Range
Source
Description
This security group has no rules
Add Rule
Cancel
Create
1 to 1 of 1
Feedback
English (US)
Privacy Policy
Terms of Use


Services
EC2 Dashboard
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Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
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ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Create Security Group
Security group name
packt
Description
sg-aws networking
VPC
vpc-2a9ee64e (default)
Security group rules:
Inbound
Outbound
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
My IP
42.109.71.20/32
e.g. SSH for Admin Desktop
HTTP
TCP
80
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
HTTPS
TCP
443
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Create
1 to 1 of 1
Support
Feedback
English (US)
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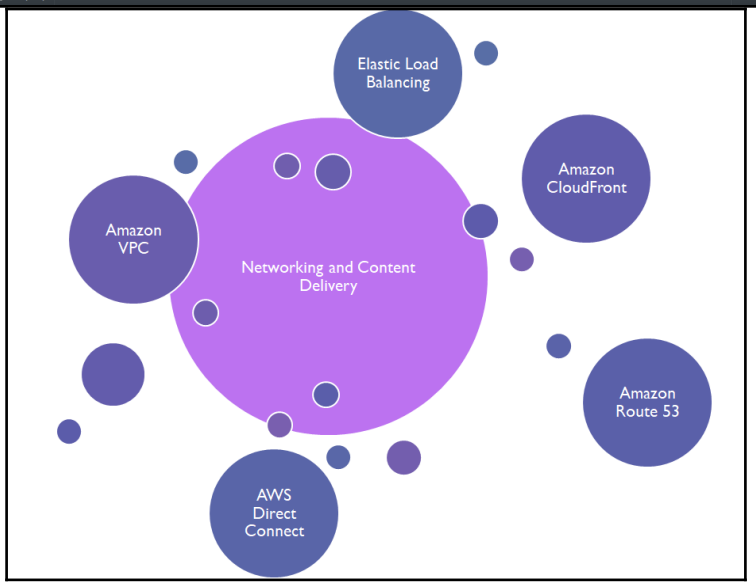
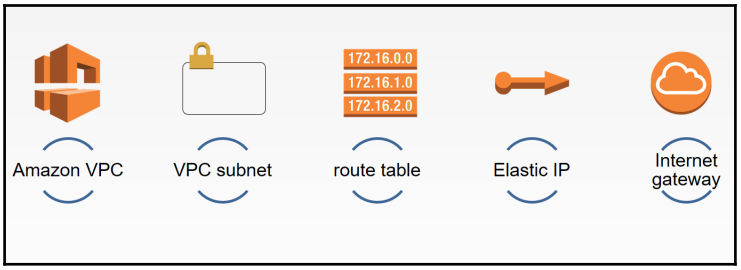
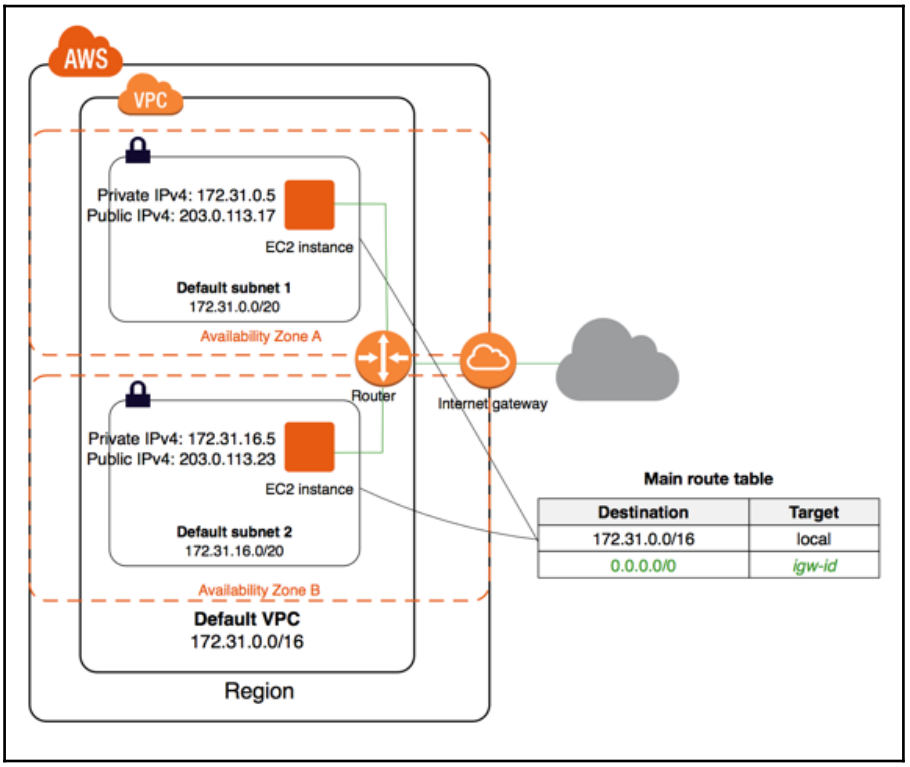
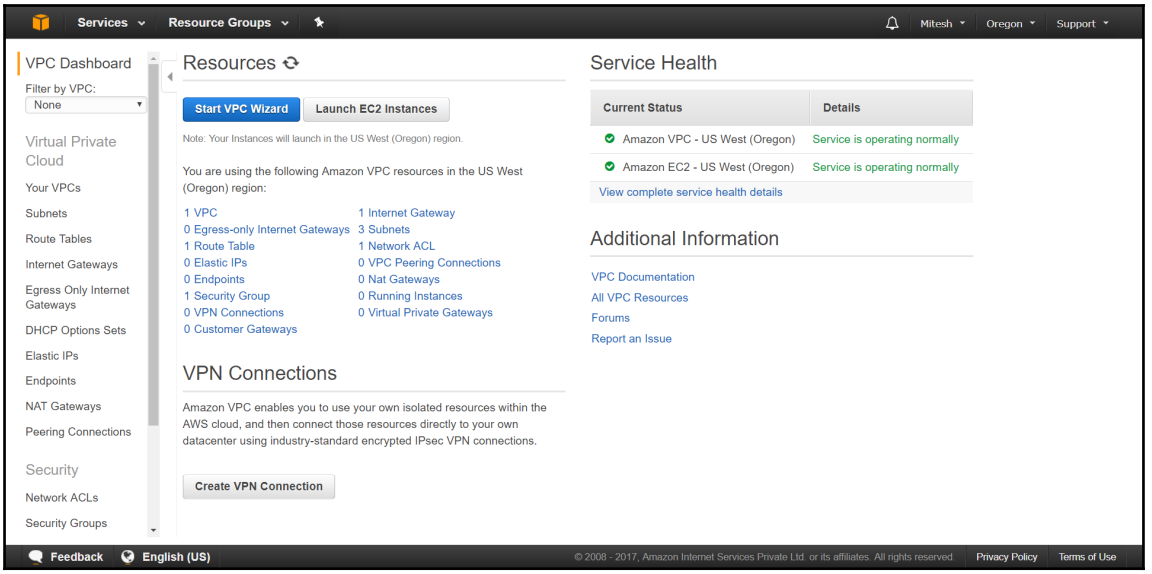

Elastic Load Balancing
Amazon CloudFront
Amazon VPC
Networking and Content Delivery
Amazon Route 53
AWS Direct Connect


172.16.0.0
172.16.1.0
172.16.2.0
Amazon VPC
VPC subnet
route table
Elastic IP
Internet gateway


AWS
VPC
Private IPv4: 172.31.0.5
Public IPv4: 203.0.113.17
EC2 instance
Default subnet 1
172.31.0.0/20
Availability Zone A
Router
Internet gateway
Private IPv4: 172.31.16.5
Public IPv4: 203.0.113.23
EC2 instance
Default subnet 2
172.31.16.0/20
Availability Zone B
Default VPC
172.31.0.0/16
Region
Main route table
Destination
Target
172.31.0.0/16
local
0.0.0.0/0
igw-id


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Resources
Start VPC Wizard
Launch EC2 Instances
Note: Your Instances will launch in the US West (Oregon) region.
You are using the following Amazon VPC resources in the US West (Oregon) region:
1 VPC
0 Egress-only Internet Gateways
1 Route Table
0 Elastic IPs
0 Endpoints
1 Security Group
0 VPN Connections
0 Customer Gateways
1 Internet Gateway
3 Subnets
1 Network ACL
0 VPC Peering Connections
0 Nat Gateways
0 Running Instances
0 Virtual Private Gateways
VPN Connections
Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.
Create VPN Connection
Service Health
Current Status
Details
Amazon VPC - US West (Oregon)
Service is operating normally
Amazon EC2 - US West (Oregon)
Service is operating normally
View complete service health details
Additional Information
VPC Documentation
All VPC Resources
Forums
Report an Issue
Feedback
English (US)
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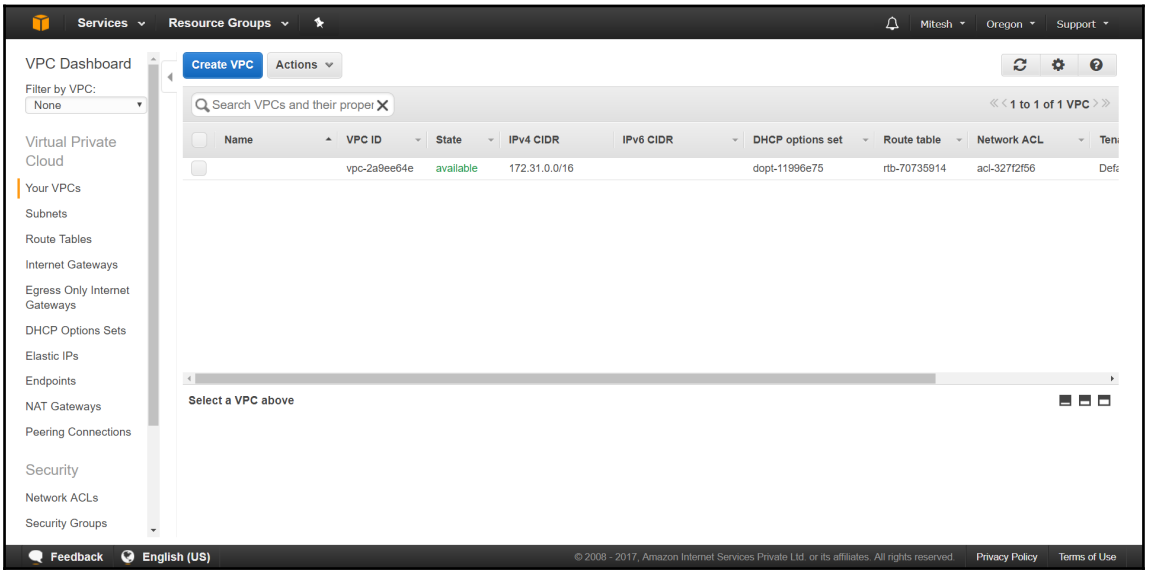
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create VPC
Actions
Search VPCs and their proper
1 to 1 of 1 VPC
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
DHCP options set
Route table
Network ACL
vpc-2a9ee64e
available
172.31.0.0/16
dopt-11996e75
rtb-70735914
acl-327f2f56
Select a VPC above
Feedback
English (US)
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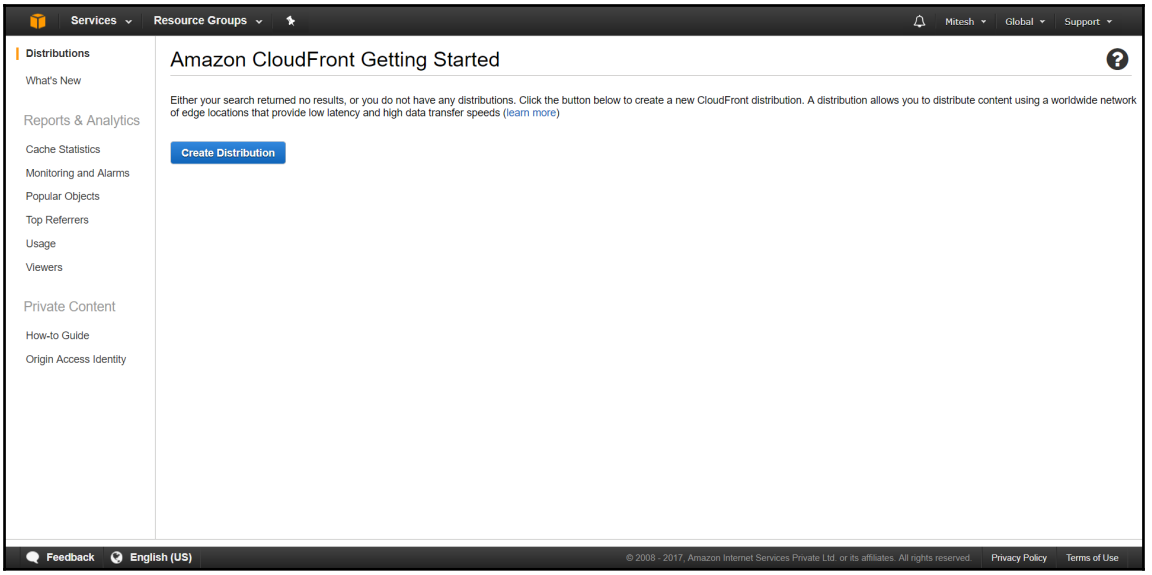
Services
Resource Groups
Mitesh
Global
Support
Distributions
What's New
Reports & Analytics
Cache Statistics
Monitoring and Alarms
Popular Objects
Top Referrers
Usage
Viewers
Private Content
How-to Guide
Origin Access Identity
Amazon CloudFront Getting Started
Either your search returned no results, or you do not have any distributions. Click the button below to create a new CloudFront distribution. A distribution allows you to distribute content using a worldwide network of edge locations that provide low latency and high data transfer speeds (learn more)
Create Distribution
Feedback
English (US)
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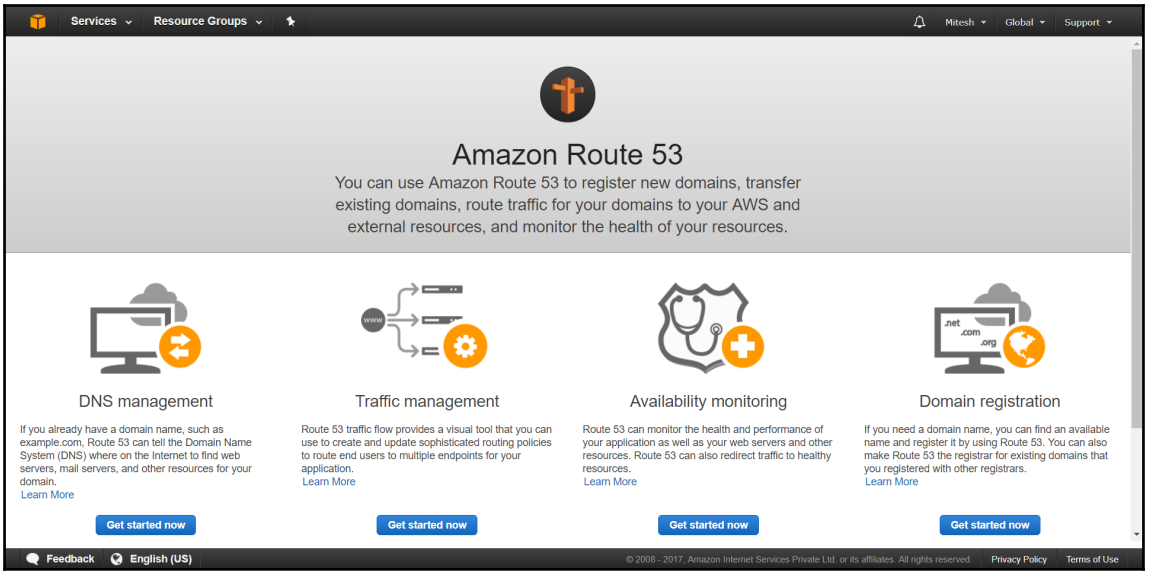
Services
Resource Groups
Mitesh
Global
Support
Amazon Route 53
You can use Amazon Route 53 to register new domains, transfer existing domains, route traffic for your domains to your AWS and external resources, and monitor the health of your resources.
DNS management
If you already have a domain name, such as example.com, Route 53 can tell the Domain Name System (DNS) where on the Internet to find web servers, mail servers, and other resources for your domain.
Learn More
Get started now
Traffic management
Route 53 traffic flow provides a visual tool that you can use to create and update sophisticated routing policies to route end users to multiple endpoints for your application.
Learn More
Get started now
Availability monitoring
Route 53 can monitor the health and performance of your application as well as your web servers and other resources. Route 53 can also redirect traffic to healthy resources.
Learn More
Get started now
Domain registration
If you need a domain name, you can find an available name and register it by using Route 53. You can also make Route 53 the registrar for existing domains that you registered with other registrars.
Learn More
Get started now
Feedback
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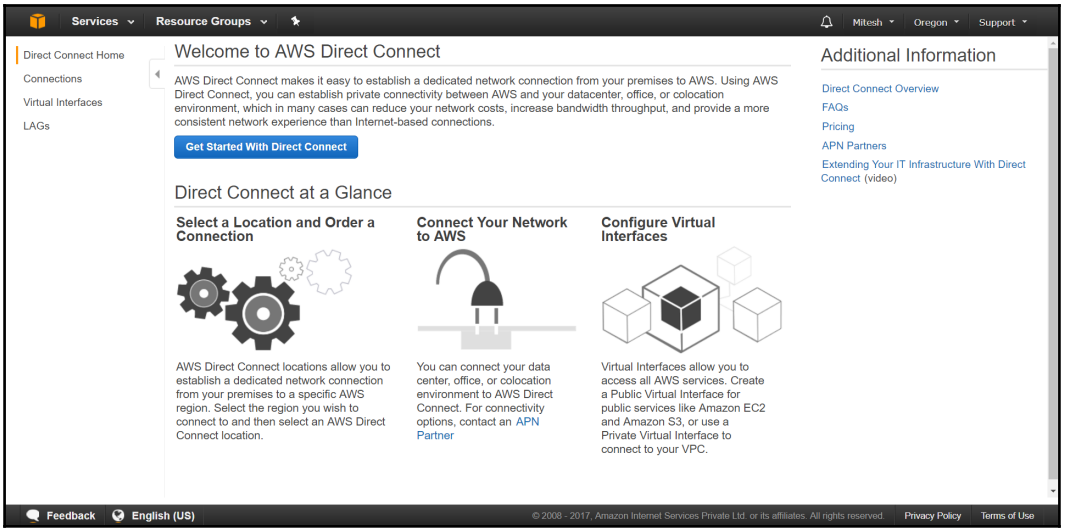
Services
Resource Groups
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Oregon
Support
Direct Connect Home
Connections
Virtual Interfaces
LAGs
Welcome to AWS Direct Connect
AWS Direct Connect makes it easy to establish a dedicated network connection from your premises to AWS. Using AWS Direct Connect, you can establish private connectivity between AWS and your datacenter, office, or colocation environment, which in many cases can reduce your network costs, increase bandwidth throughput, and provide a more consistent network experience than Internet-based connections.
Get Started With Direct Connect
Direct Connect at a Glance
Select a Location and Order a Connection
AWS Direct Connect locations allow you to establish a dedicated network connection from your premises to a specific AWS region. Select the region you wish to connect to and then select an AWS Direct Connect location.
Connect Your Network to AWS
You can connect your data center, office, or colocation environment to AWS Direct Connect. For connectivity options, contact an APN Partner
Configure Virtual Interfaces
Virtual Interfaces allow you to access all AWS services. Create a Public Virtual Interface for public services like Amazon EC2 and Amazon S3, or use a Private Virtual Interface to connect to your VPC.
Additional Information
Direct Connect Overview
FAQs
Pricing
APN Partners
Extending Your IT Infrastructure With Direct Connect (video)
Feedback
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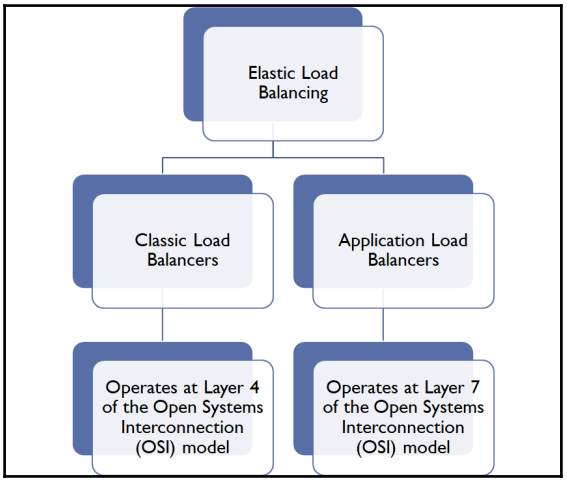
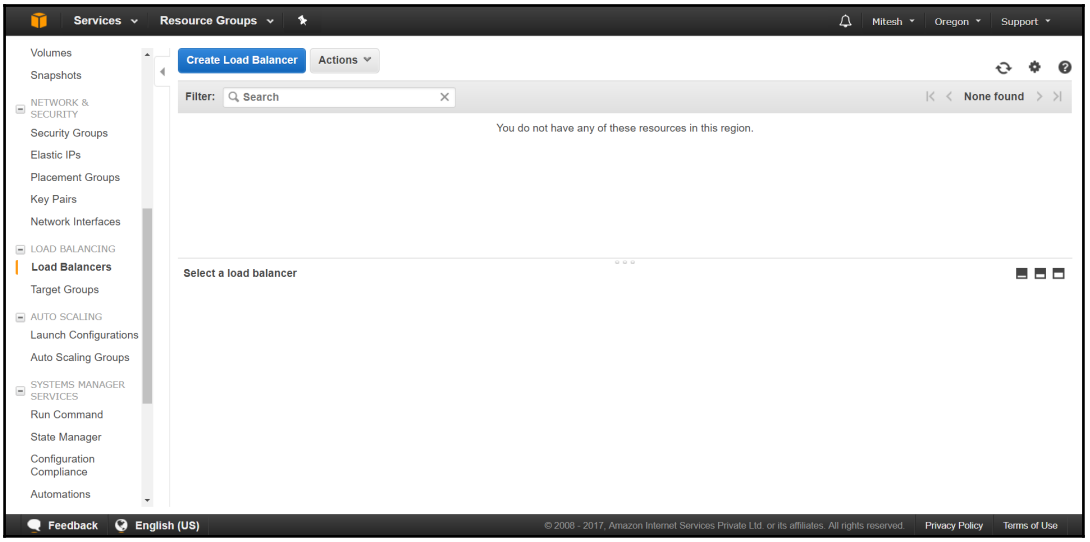

Elastic Load Balancing
Classic Load Balancers
Application Load Balancers
Operates at Layer 4 of the Open Systems Interconnection (OSI) model
Operates at Layer 7 of the Open Systems Interconnection (OSI) model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Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Configuration Compliance
Automations
Create Load Balancer
Actions
Filter:
Search
None found
You do not have any of these resources in this region.
Select a load balancer
Feedback
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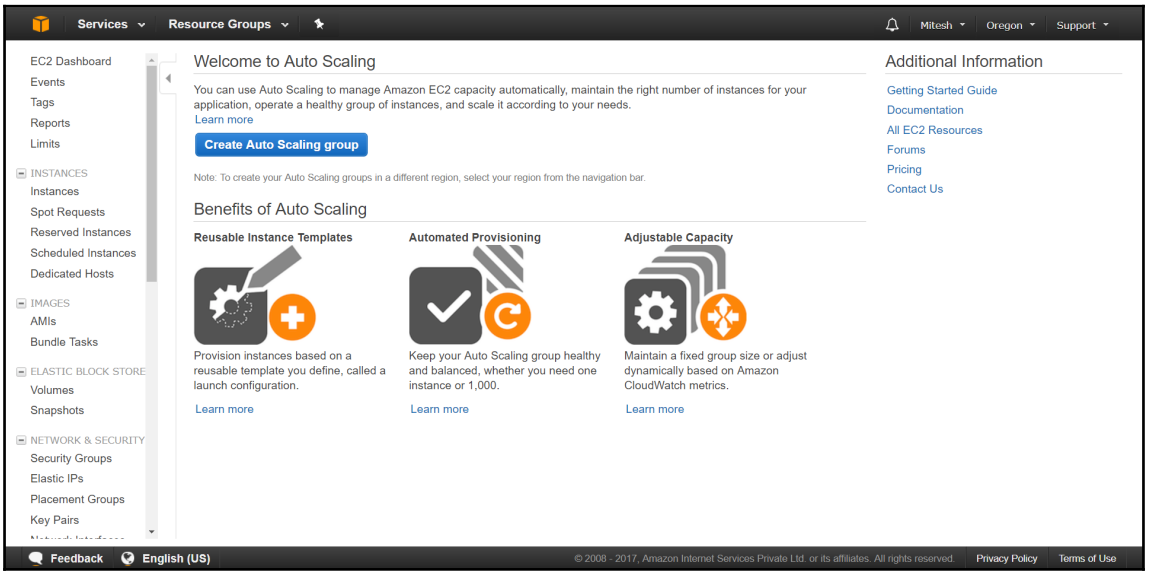
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NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Welcome to Auto Scaling
You can use Auto Scaling to manage Amazon EC2 capacity automatically, maintain the right number of instances for your application, operate a healthy group of instances, and scale it according to your needs.
Learn more
Create Auto Scaling group
Note: To create your Auto Scaling groups in a different region, select your region from the navigation bar.
Benefits of Auto Scaling
Reusable Instance Templates
Provision instances based on a reusable template you define, called a launch configuration.
Learn more
Automated Provisioning
Keep your Auto Scaling group healthy and balanced, whether you need one instance or 1,000.
Learn more
Adjustable Capacity
Maintain a fixed group size or adjust dynamically based on Amazon CloudWatch metrics.
Learn more
Additional Information
Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us
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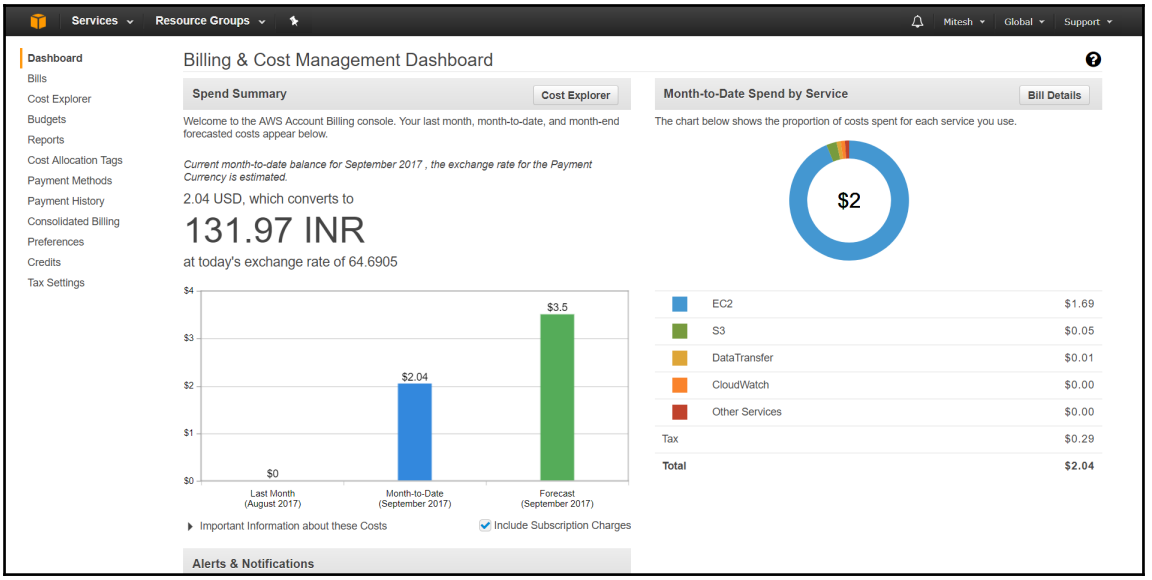
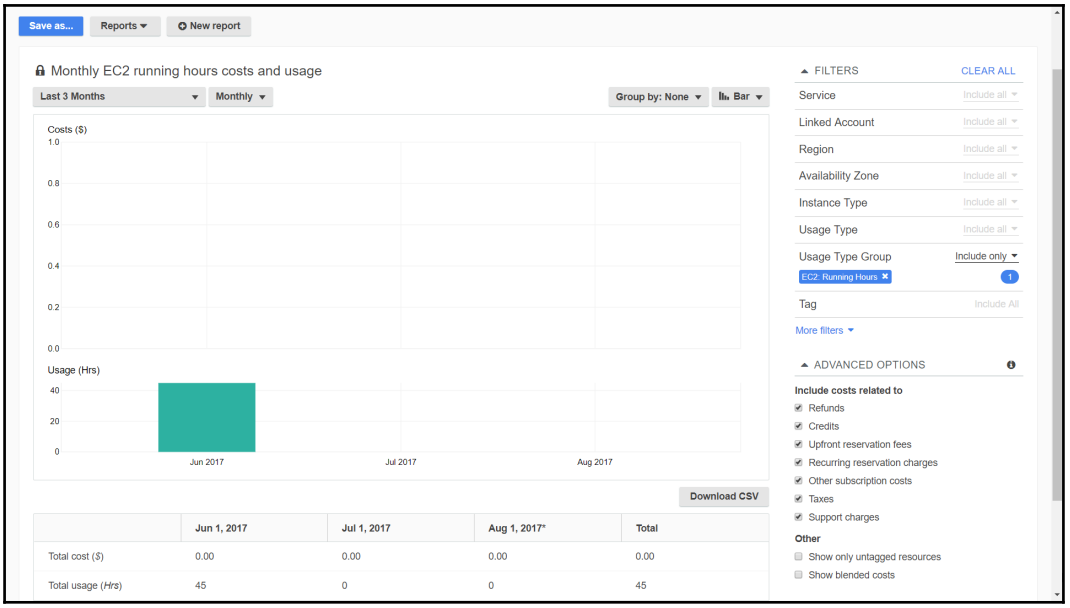
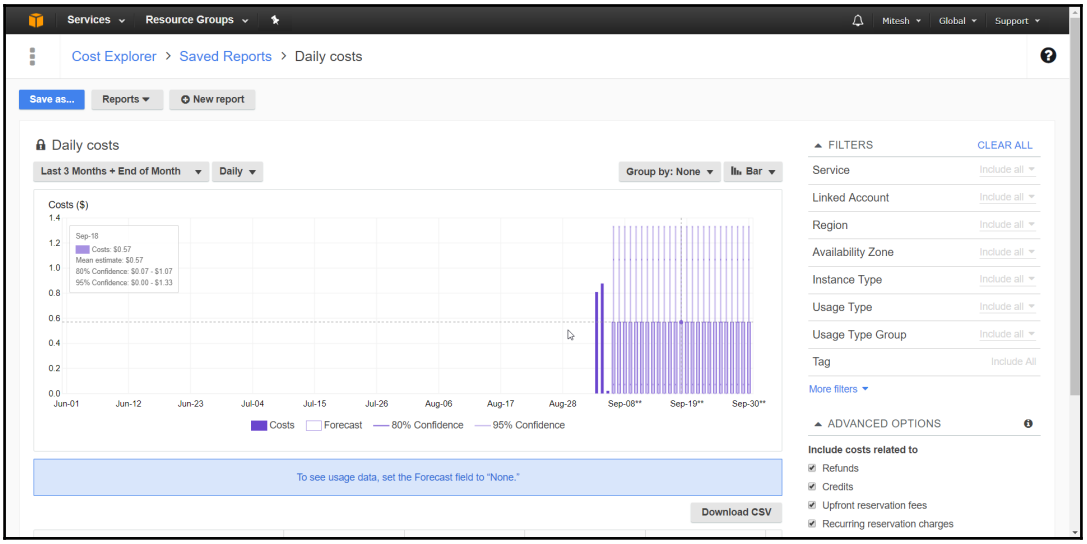
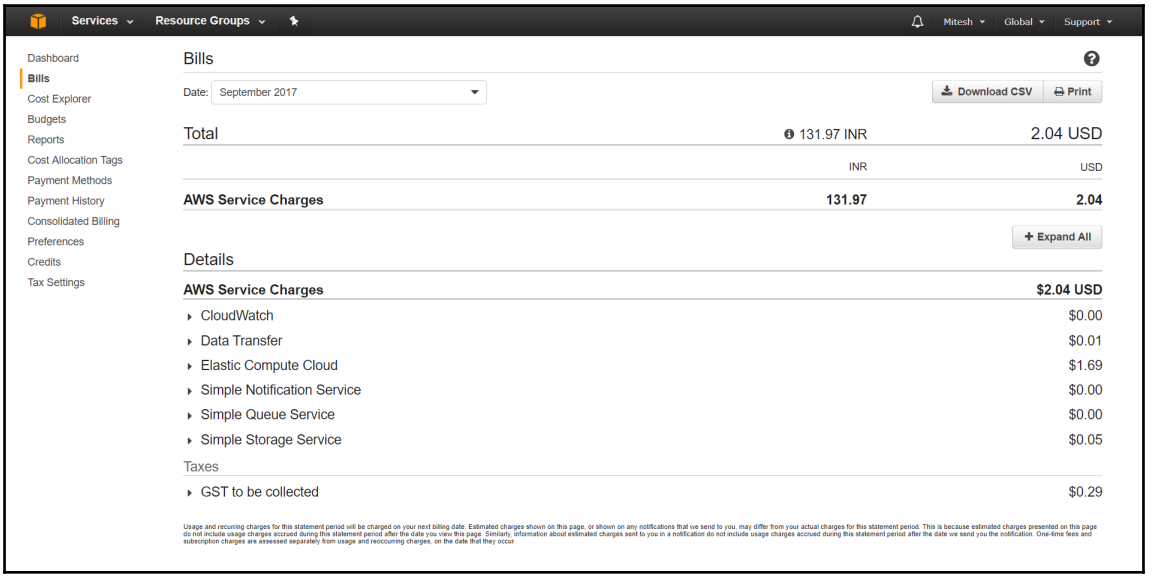
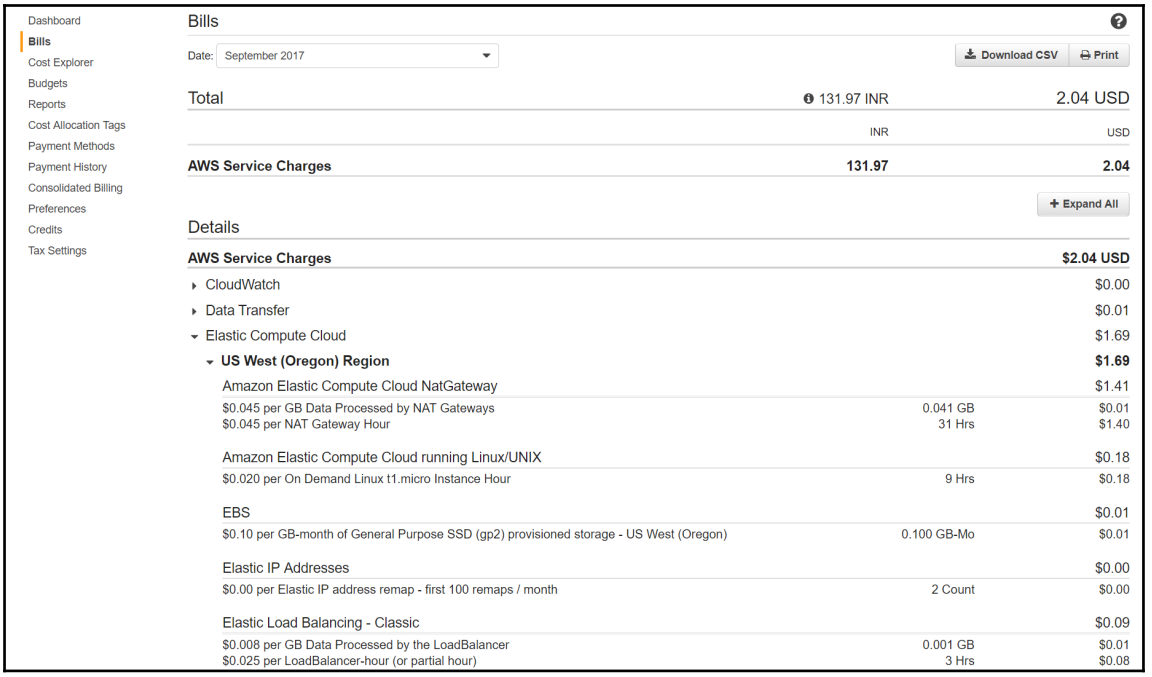

Services
Resource Groups
Mitesh
Global
Support
Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
Billing & Cost Management Dashboard
Spend Summary
Cost Explorer
Welcome to the AWS Account Billing console. Your last month, month-to-date, and month-end forecasted costs appear below.
Current month-to-date balance for September 2017 , the exchange rate for the Payment Currency is estimated.
2.04 USD, which converts to
131.97 INR
at today's exchange rate of 64.6905
$4
$3
$2
$1
$0
$0
$2.04
$3.5
Last Month (August 2017)
Month-to-Date (September 2017)
Forecast (September 2017)
Important Information about these Costs
Include Subscription Charges
Alerts & Notifications
Month-to-Date Spend by Service
Bill Details
The chart below shows the proportion of costs spent for each service you use.
$2
EC2 $1.69
S3 $0.05
DataTransfer $0.01
CloudWatch $0.00
Other Services $0.00
Tax $0.29
Total $2.04


Save as...
Reports
New report
Monthly EC2 running hours costs and usage
Last 3 Months
Monthly
Group by: None
Bar
Costs ($)
1.0
0.8
0.6
0.4
0.2
0.0
Usage (Hrs)
40
20
0
Jun 2017
Jul 2017
Aug 2017
Download CSV
Jun 1, 2017
Jul 1, 2017
Aug 1, 2017*
Total
Total cost ($)
0.00
0.00
0.00
0.00
Total usage (Hrs)
45
0
0
45
FILTERS
CLEAR ALL
Service
Linked Account
Region
Availability Zone
Instance Type
Usage Type
Usage Type Group
Include only
EC2: Running Hours
Tag
More filters
ADVANCED OPTIONS
Include costs related to
Refunds
Credits
Upfront reservation fees
Recurring reservation charges
Other subscription costs
Taxes
Support charges
Other
Show only untagged resources
Show blended costs


Services
Resource Groups
Mitesh
Global
Support
Cost Explorer › Saved Reports › Daily costs
Save as...
Reports
New report
Daily costs
Last 3 Months + End of Month
Daily
Group by: None
Bar
Costs ($)
Sep-18
Costs: $0.57
Mean estimate: $0.57
80% Confidence: $0.07 - $1.07
95% Confidence: $0.00 - $1.33
Jun-01
Jun-12
Jun-23
Jul-04
Jul-15
Jul-26
Aug-06
Aug-17
Aug-28
Sep-08**
Sep-19**
Sep-30**
Costs
Forecast
80% Confidence
95% Confidence
To see usage data, set the Forecast field to "None."
Download CSV
FILTERS
CLEAR ALL
Service
Linked Account
Region
Availability Zone
Instance Type
Usage Type
Usage Type Group
Tag
More filters
ADVANCED OPTIONS
Include costs related to
Refunds
Credits
Upfront reservation fees
Recurring reservation charges


Services
Resource Groups
Mitesh
Global
Support
Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
Bills
Date: September 2017
Download CSV
Print
Total
131.97 INR
2.04 USD
INR
USD
AWS Service Charges
131.97
2.04
Expand All
Details
AWS Service Charges
$2.04 USD
CloudWatch
$0.00
Data Transfer
$0.01
Elastic Compute Cloud
$1.69
Simple Notification Service
$0.00
Simple Queue Service
$0.00
Simple Storage Service
$0.05
Taxes
GST to be collected
$0.29



Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings

Bills

Date: September 2017

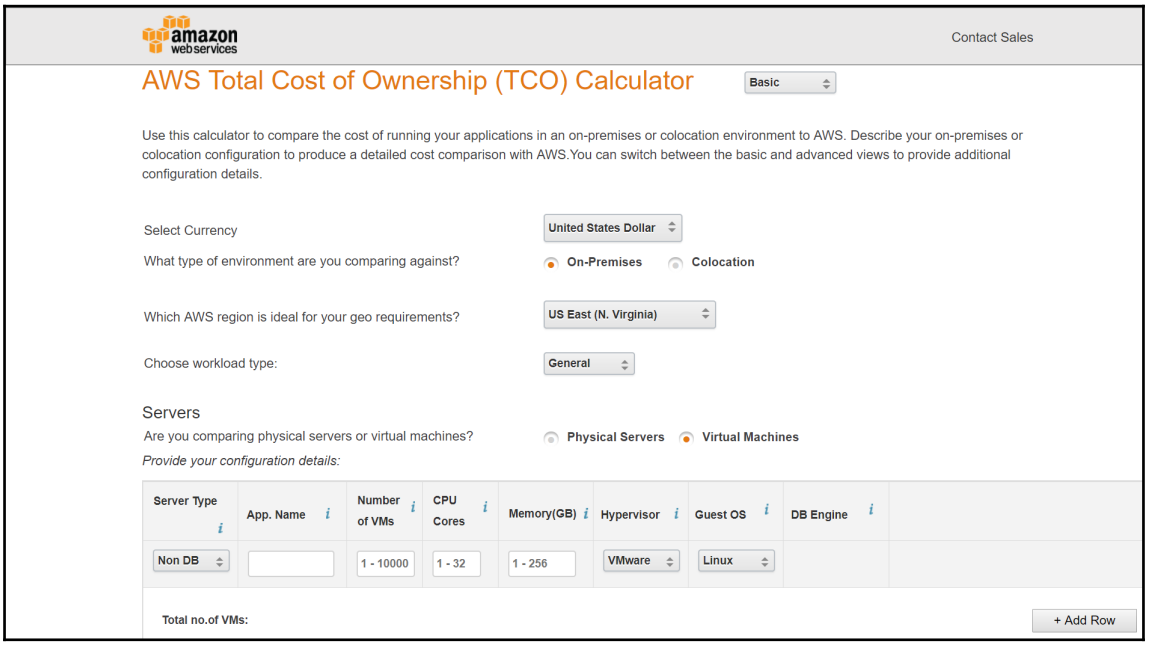
Download CSV | Print

Total	131.97 INR	2.04 USD
	INR	USD
AWS Service Charges	**131.97**	**2.04**

+ Expand All

Details

AWS Service Charges		**$2.04 USD**
CloudWatch		$0.00
Data Transfer		$0.01
Elastic Compute Cloud		$1.69
US West (Oregon) Region		**$1.69**
Amazon Elastic Compute Cloud NatGateway		$1.41
$0.045 per GB Data Processed by NAT Gateways	0.041 GB	$0.01
$0.045 per NAT Gateway Hour	31 Hrs	$1.40
Amazon Elastic Compute Cloud running Linux/UNIX		$0.18
$0.020 per On Demand Linux t1.micro Instance Hour	9 Hrs	$0.18
EBS		$0.01
$0.10 per GB-month of General Purpose SSD (gp2) provisioned storage - US West (Oregon)	0.100 GB-Mo	$0.01
Elastic IP Addresses		$0.00
$0.00 per Elastic IP address remap - first 100 remaps / month	2 Count	$0.00
Elastic Load Balancing - Classic		$0.09
$0.008 per GB Data Processed by the LoadBalancer	0.001 GB	$0.01
$0.025 per LoadBalancer-hour (or partial hour)	3 Hrs	$0.08



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AWS Total Cost of Ownership (TCO) Calculator

Basic

Use this calculator to compare the cost of running your applications in an on-premises or colocation environment to AWS. Describe your on-premises or colocation configuration to produce a detailed cost comparison with AWS.You can switch between the basic and advanced views to provide additional configuration details.

Select Currency: United States Dollar

What type of environment are you comparing against? On-Premises | Colocation

Which AWS region is ideal for your geo requirements? US East (N. Virginia)

Choose workload type: General

Servers

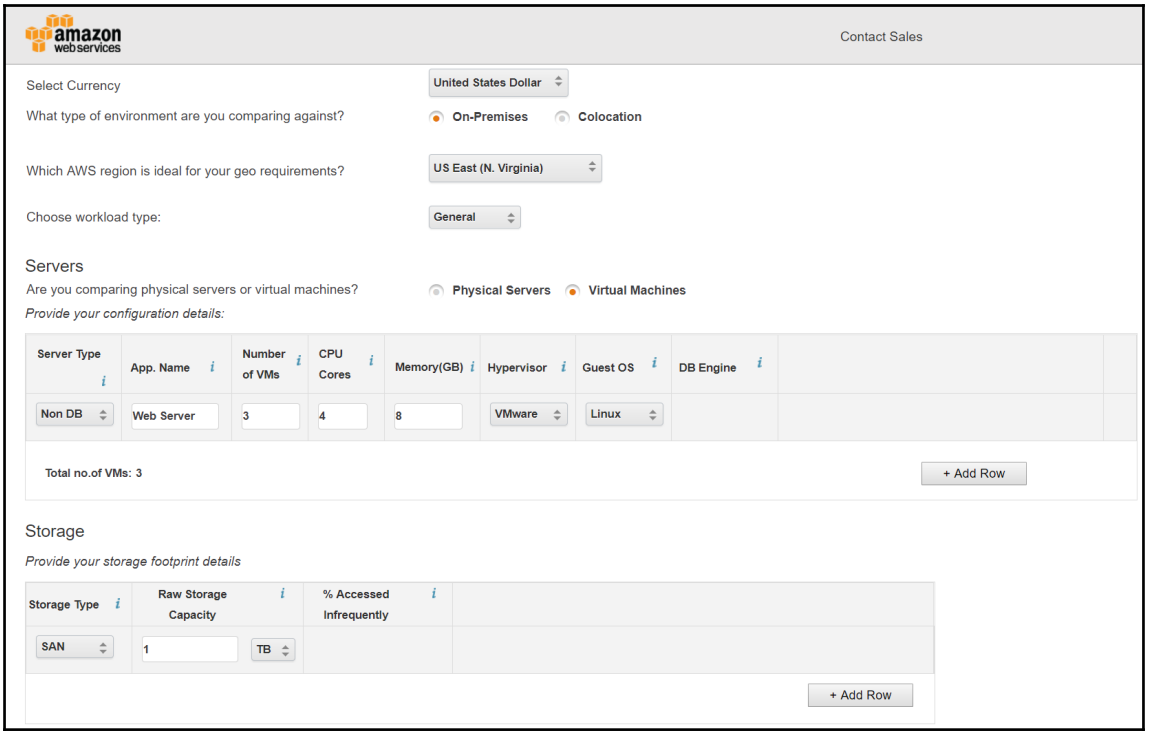
Are you comparing physical servers or virtual machines? Physical Servers | Virtual Machines

Provide your configuration details:

Server Type	App. Name	Number of VMs	CPU Cores	Memory(GB)	Hypervisor	Guest OS	DB Engine
Non DB		1 - 10000	1 - 32	1 - 256	VMware	Linux	

Total no.of VMs:

+ Add Row


amazon webservices
Contact Sales
Select Currency
United States Dollar
What type of environment are you comparing against?
On-Premises
Colocation
Which AWS region is ideal for your geo requirements?
US East (N. Virginia)
Choose workload type:
General
Servers
Are you comparing physical servers or virtual machines?
Physical Servers
Virtual Machines
Provide your configuration details:
Server Type
App. Name
Number of VMs
CPU Cores
Memory(GB)
Hypervisor
Guest OS
DB Engine
Non DB
Web Server
3
4
8
VMware
Linux
Total no.of VMs: 3
+ Add Row
Storage
Provide your storage footprint details
Storage Type
Raw Storage Capacity
% Accessed Infrequently
SAN
1
TB
+ Add Row

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AWS Total Cost of Ownership (TCO) Calculator

« Modify Assumptions | « Change Input

Are you satisfied with the AWS TCO Calculator?

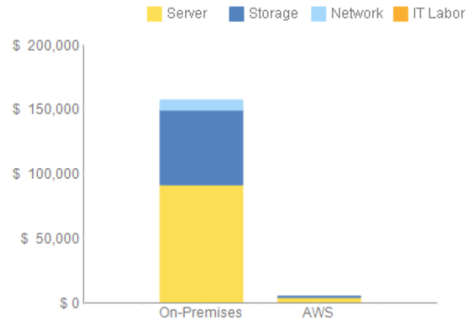
Would you like to take a survey about the TCO calculator? Click here

On-Premises vs. AWS Summary

You could save **97%** a year by moving your infrastructure to AWS.

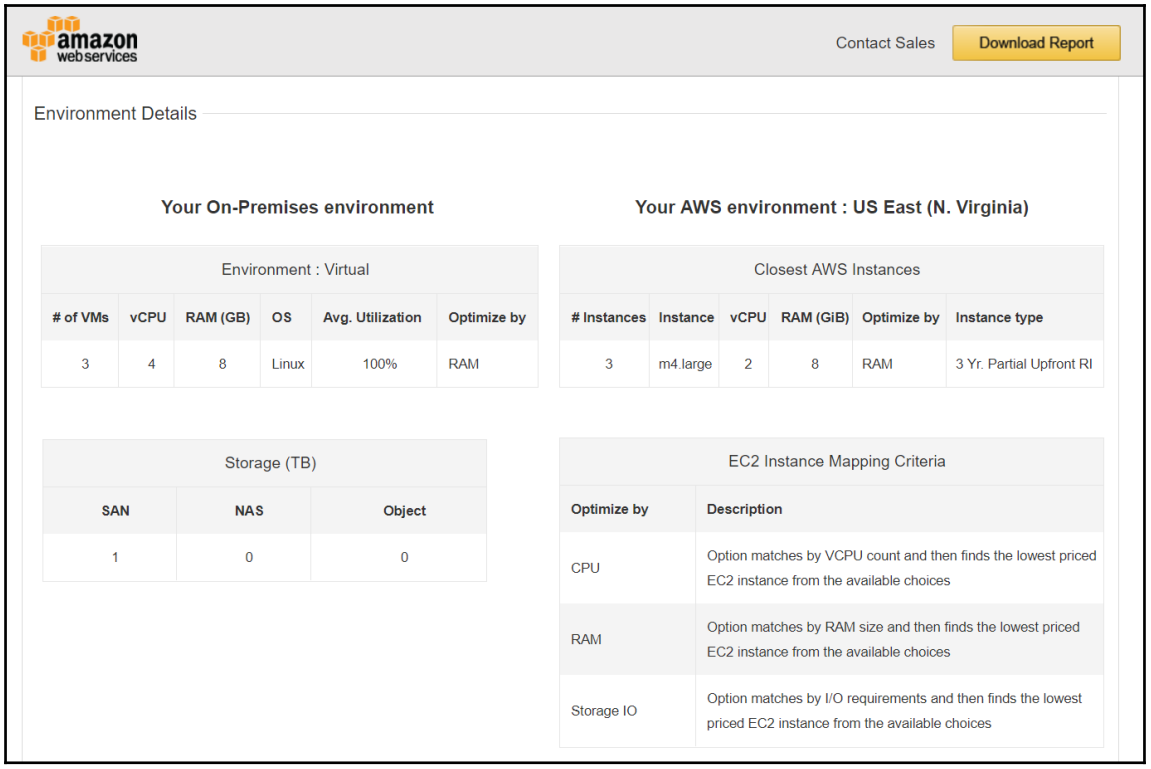
Your three year total savings would be **$ 152,096**.

3 Years Cost Breakdown



3 Yr. Total Cost of Ownership		
	On-Premises	**AWS**
Server	$ 91,922	$ 4,342
Storage	$ 57,848	$ 993
Network	$ 7,660	$ -
IT-Labor	$ -	$ -
Total	**$ 157,430**	**$ 5,334**

AWS cost includes business level support



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Environment Details

Your On-Premises environment

Environment : Virtual

# of VMs	vCPU	RAM (GB)	OS	Avg. Utilization	Optimize by
3	4	8	Linux	100%	RAM

Storage (TB)

SAN	NAS	Object
1	0	0

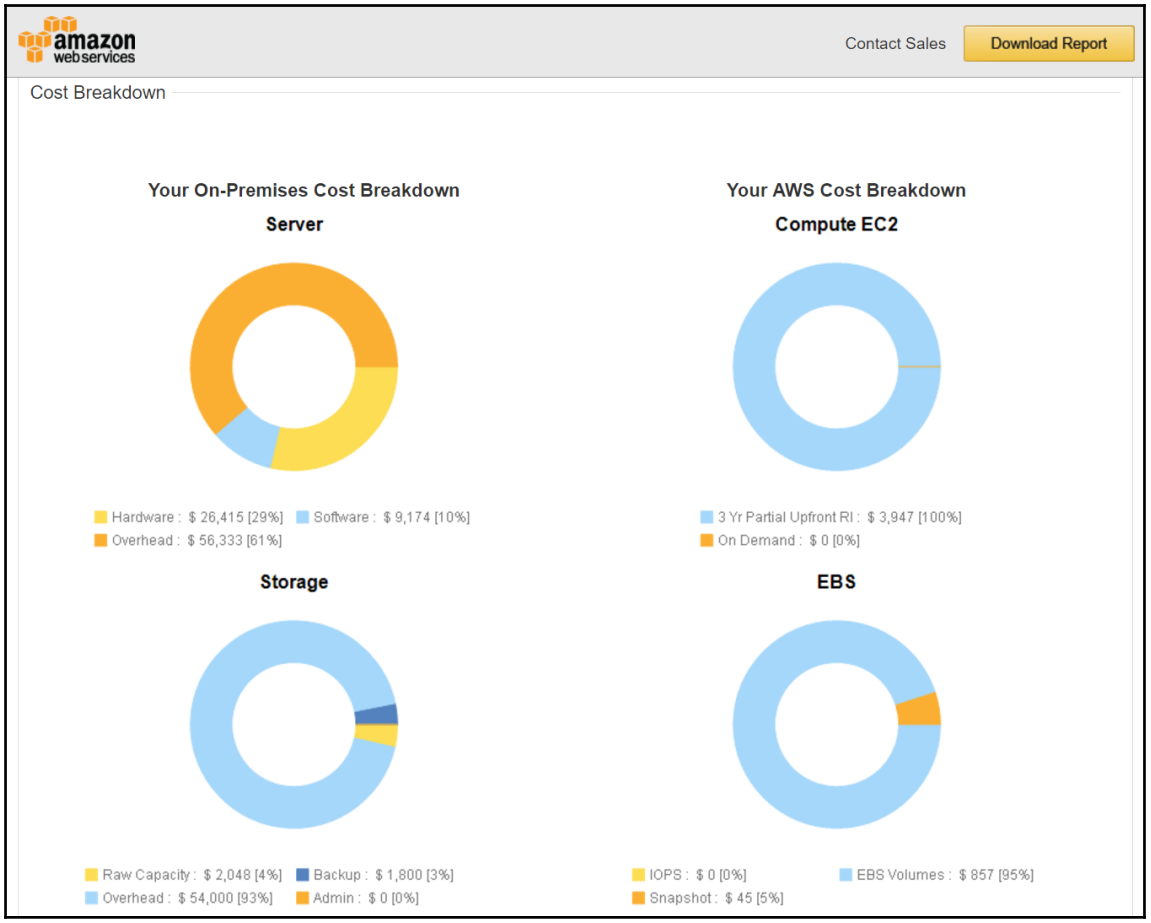
Your AWS environment : US East (N. Virginia)

Closest AWS Instances

# Instances	Instance	vCPU	RAM (GiB)	Optimize by	Instance type
3	m4.large	2	8	RAM	3 Yr. Partial Upfront RI

EC2 Instance Mapping Criteria

Optimize by	Description
CPU	Option matches by VCPU count and then finds the lowest priced EC2 instance from the available choices
RAM	Option matches by RAM size and then finds the lowest priced EC2 instance from the available choices
Storage IO	Option matches by I/O requirements and then finds the lowest priced EC2 instance from the available choices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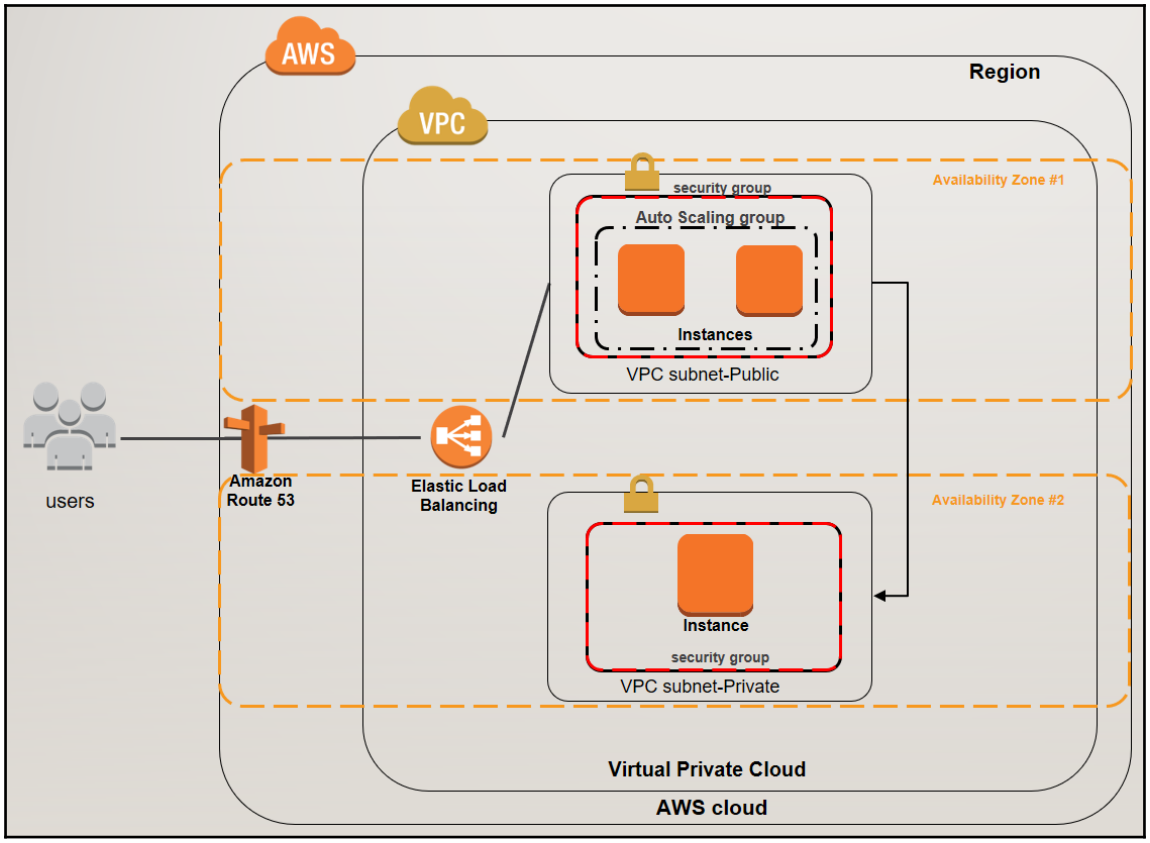
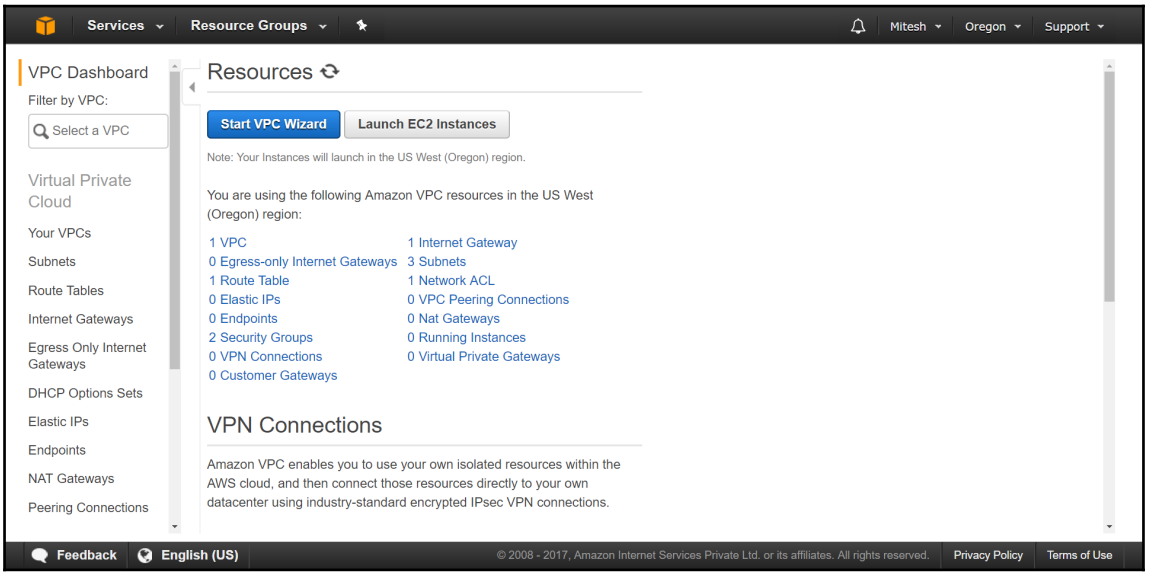
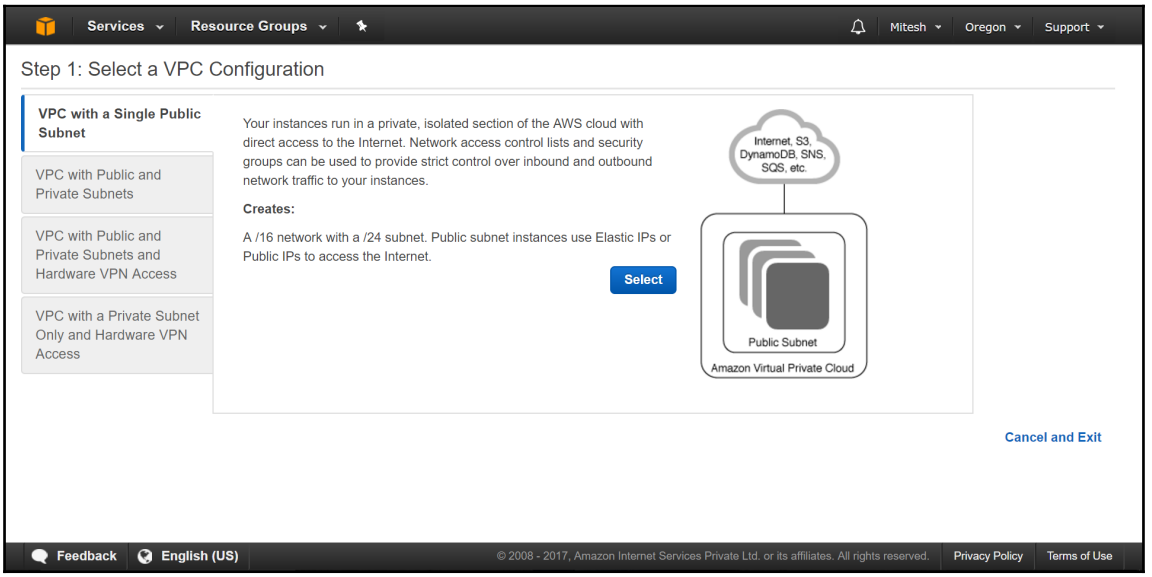
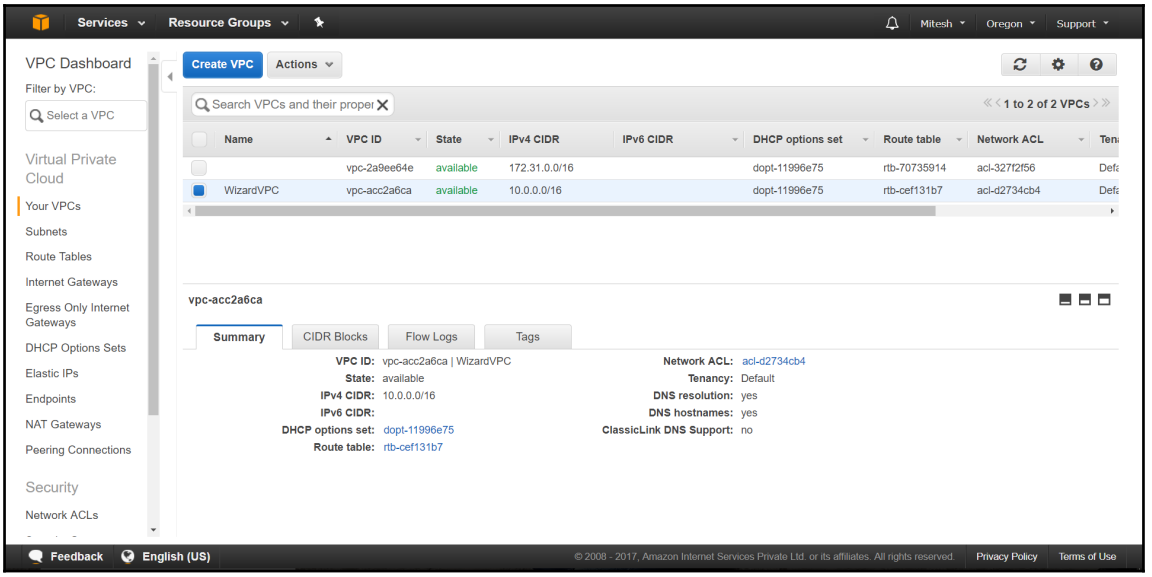
Cost Breakdown
Your On-Premises Cost Breakdown
Server
Hardware : $ 26,415 [29%]
Software : $ 9,174 [10%]
Overhead : $ 56,333 [61%]
Storage
Raw Capacity : $ 2,048 [4%]
Backup : $ 1,800 [3%]
Overhead : $ 54,000 [93%]
Admin : $ 0 [0%]
Your AWS Cost Breakdown
Compute EC2
3 Yr Partial Upfront RI : $ 3,947 [100%]
On Demand : $ 0 [0%]
EBS
IOPS : $ 0 [0%]
EBS Volumes : $ 857 [95%]
Snapshot : $ 45 [5%]


AWS
Region
VPC
security group
Auto Scaling group
Availability Zone #1
Instances
VPC subnet-Public
users
Amazon
Route 53
Elastic Load
Balancing
Availability Zone #2
Instance
security group
VPC subnet-Private
Virtual Private Cloud
AWS cloud

Chapter 2: Amazon VPC






Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create VPC
Actions
Search VPCs and their proper
1 to 2 of 2 VPCs
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
DHCP options set
Route table
Network ACL
vpc-2a9ee64e available 172.31.0.0/16 dopt-11996e75 rtb-70735914 acl-327f2f56
WizardVPC vpc-acc2a6ca available 10.0.0.0/16 dopt-11996e75 rtb-cef131b7 acl-d2734cb4
vpc-acc2a6ca
Summary
CIDR Blocks
Flow Logs
Tags
VPC ID: vpc-acc2a6ca | WizardVPC
State: available
IPv4 CIDR: 10.0.0.0/16
IPv6 CIDR:
DHCP options set: dopt-11996e75
Route table: rtb-cef131b7
Network ACL: acl-d2734cb4
Tenancy: Default
DNS resolution: yes
DNS hostnames: yes
ClassicLink DNS Support: no
Feedback
English (US)
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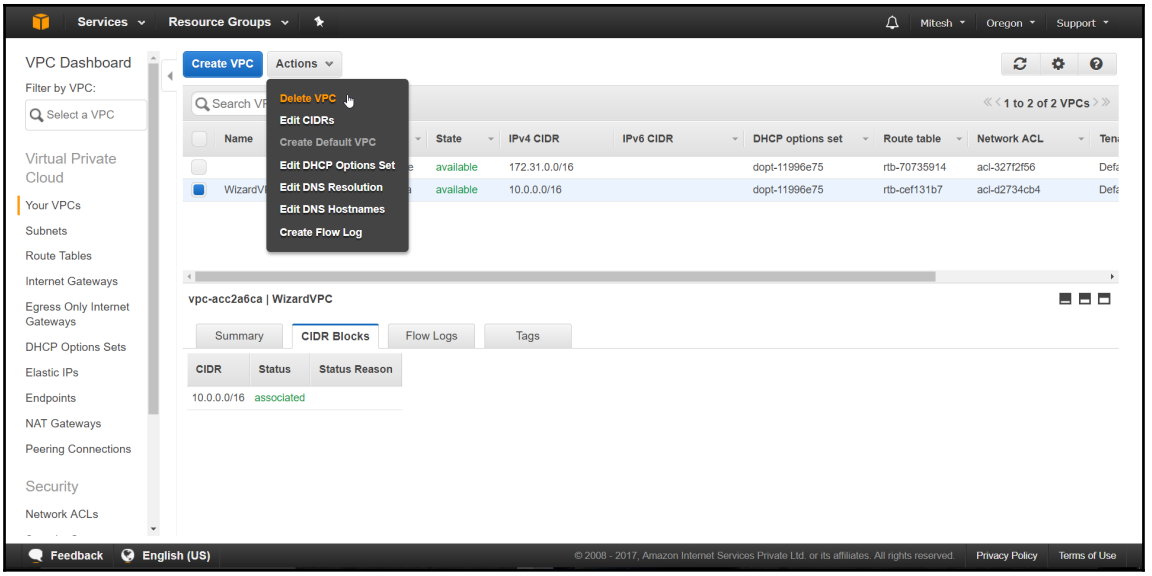
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create VPC
Actions
Delete VPC
Edit CIDRs
Create Default VPC
Edit DHCP Options Set
Edit DNS Resolution
Edit DNS Hostnames
Create Flow Log
1 to 2 of 2 VPCs
Name
State
IPv4 CIDR
IPv6 CIDR
DHCP options set
Route table
Network ACL
available 172.31.0.0/16 dopt-11996e75 rtb-70735914 acl-327f2f56
available 10.0.0.0/16 dopt-11996e75 rtb-cef131b7 acl-d2734cb4
vpc-acc2a6ca | WizardVPC
Summary
CIDR Blocks
Flow Logs
Tags
CIDR
Status
Status Reason
10.0.0.0/16 associated
Feedback
English (US)
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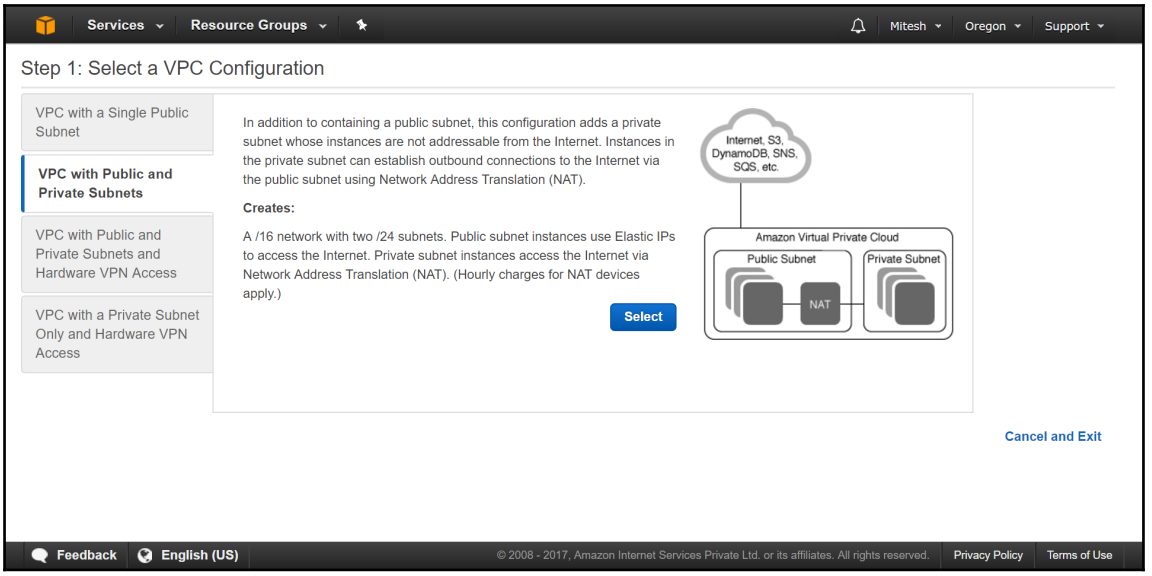
Services
Resource Groups
Mitesh
Oregon
Support
Step 1: Select a VPC Configuration
VPC with a Single Public Subnet
VPC with Public and Private Subnets
VPC with Public and Private Subnets and Hardware VPN Access
VPC with a Private Subnet Only and Hardware VPN Access
In addition to containing a public subnet, this configuration adds a private subnet whose instances are not addressable from the Internet. Instances in the private subnet can establish outbound connections to the Internet via the public subnet using Network Address Translation (NAT).
Creates:
A /16 network with two /24 subnets. Public subnet instances use Elastic IPs to access the Internet. Private subnet instances access the Internet via Network Address Translation (NAT). (Hourly charges for NAT devices apply.)
Select
Internet, S3, DynamoDB, SNS, SQS, etc.
Amazon Virtual Private Cloud
Public Subnet
Private Subnet
NAT
Cancel and Exit
Feedback
English (US)
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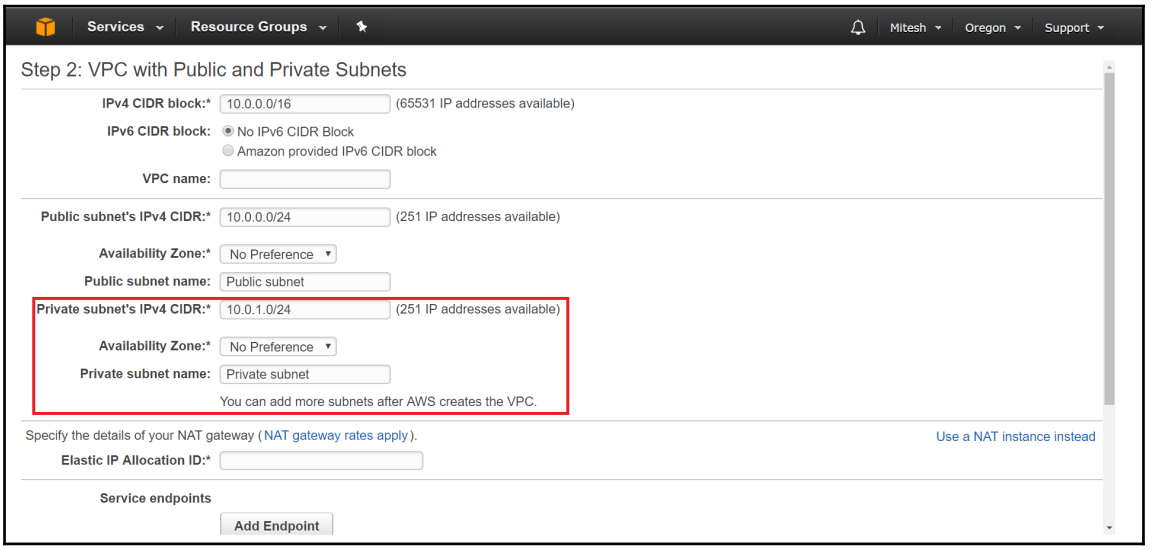
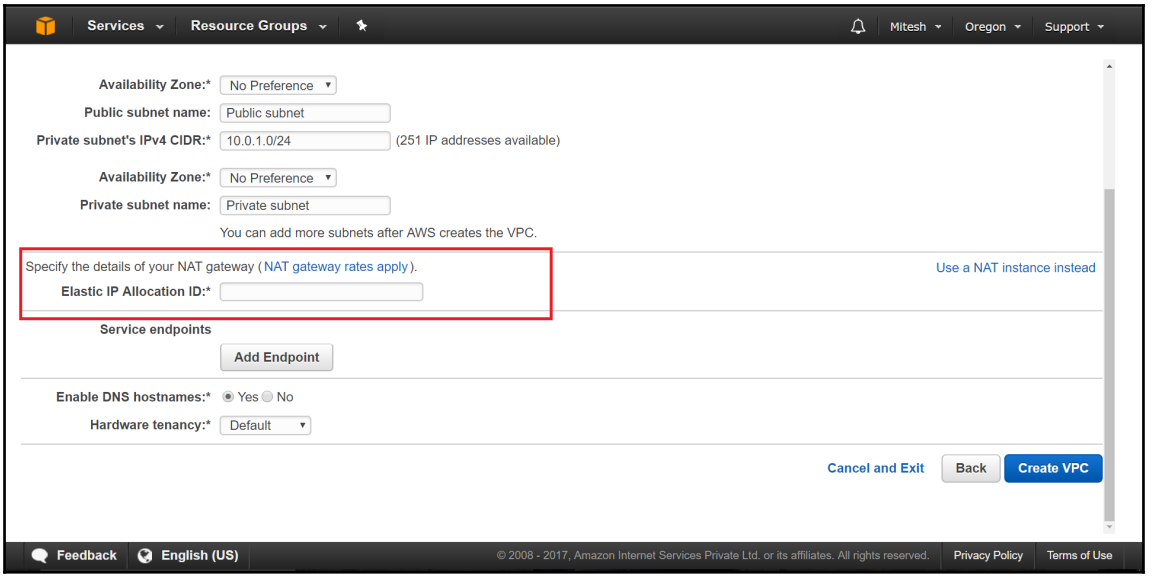

Services
Resource Groups
Mitesh
Oregon
Support
Step 2: VPC with Public and Private Subnets
IPv4 CIDR block:* 10.0.0.0/16 (65531 IP addresses available)
IPv6 CIDR block: No IPv6 CIDR Block
Amazon provided IPv6 CIDR block
VPC name:
Public subnet's IPv4 CIDR:* 10.0.0.0/24 (251 IP addresses available)
Availability Zone:* No Preference
Public subnet name: Public subnet
Private subnet's IPv4 CIDR:* 10.0.1.0/24 (251 IP addresses available)
Availability Zone:* No Preference
Private subnet name: Private subnet
You can add more subnets after AWS creates the VPC.
Specify the details of your NAT gateway (NAT gateway rates apply).
Use a NAT instance instead
Elastic IP Allocation ID:*
Service endpoints
Add Endpoint


Services
Resource Groups
Mitesh
Oregon
Support
Availability Zone:* No Preference
Public subnet name: Public subnet
Private subnet's IPv4 CIDR:* 10.0.1.0/24
(251 IP addresses available)
Availability Zone:* No Preference
Private subnet name: Private subnet
You can add more subnets after AWS creates the VPC.
Specify the details of your NAT gateway (NAT gateway rates apply).
Use a NAT instance instead
Elastic IP Allocation ID:*
Service endpoints
Add Endpoint
Enable DNS hostnames:* Yes No
Hardware tenancy:* Default
Cancel and Exit
Back
Create VPC
Feedback
English (US)
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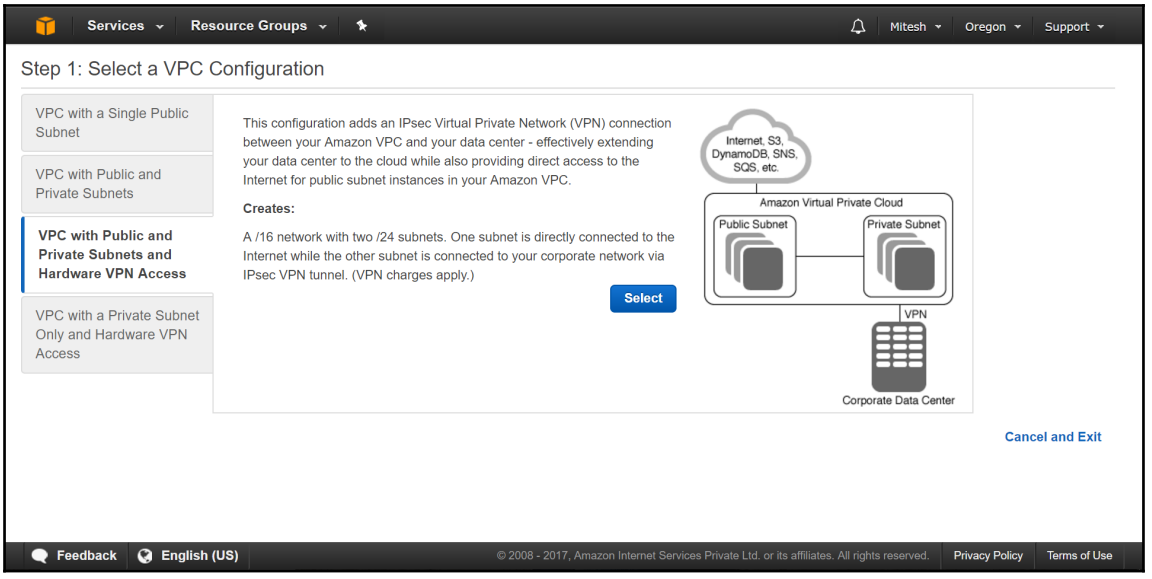
Services
Resource Groups
Mitesh
Oregon
Support
Step 1: Select a VPC Configuration
VPC with a Single Public Subnet
VPC with Public and Private Subnets
VPC with Public and Private Subnets and Hardware VPN Access
VPC with a Private Subnet Only and Hardware VPN Access
This configuration adds an IPsec Virtual Private Network (VPN) connection between your Amazon VPC and your data center - effectively extending your data center to the cloud while also providing direct access to the Internet for public subnet instances in your Amazon VPC.
Creates:
A /16 network with two /24 subnets. One subnet is directly connected to the Internet while the other subnet is connected to your corporate network via IPsec VPN tunnel. (VPN charges apply.)
Select
Internet, S3, DynamoDB, SNS, SQS, etc.
Amazon Virtual Private Cloud
Public Subnet
Private Subnet
VPN
Corporate Data Center
Cancel and Exit
Feedback
English (US)
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Services
Resource Groups
Mitesh
Oregon
Support
Step 2: VPC with Public and Private Subnets and Hardware VPN Access
IPv4 CIDR block:*
10.0.0.0/16
(65531 IP addresses available)
IPv6 CIDR block:
No IPv6 CIDR Block
Amazon provided IPv6 CIDR block
VPC name:
Public subnet's IPv4 CIDR:*
10.0.0.0/24
(251 IP addresses available)
Availability Zone:*
No Preference
Public subnet name:
Public subnet
Private subnet's IPv4 CIDR:*
10.0.1.0/24
(251 IP addresses available)
Availability Zone:*
No Preference
Private subnet name:
Private subnet
You can add more subnets after AWS creates the VPC.
Service endpoints
Add Endpoint
Enable DNS hostnames:*
Yes
No
Feedback
English (US)
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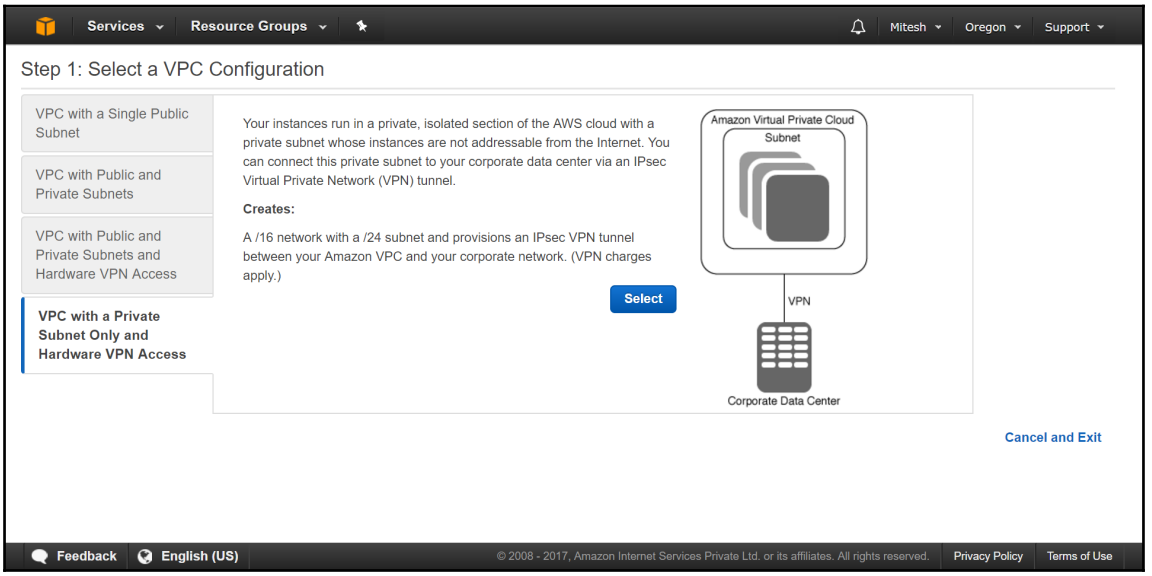
Services
Resource Groups
Mitesh
Oregon
Support
Step 1: Select a VPC Configuration
VPC with a Single Public Subnet
VPC with Public and Private Subnets
VPC with Public and Private Subnets and Hardware VPN Access
VPC with a Private Subnet Only and Hardware VPN Access
Your instances run in a private, isolated section of the AWS cloud with a private subnet whose instances are not addressable from the Internet. You can connect this private subnet to your corporate data center via an IPsec Virtual Private Network (VPN) tunnel.
Creates:
A /16 network with a /24 subnet and provisions an IPsec VPN tunnel between your Amazon VPC and your corporate network. (VPN charges apply.)
Select
Amazon Virtual Private Cloud
Subnet
VPN
Corporate Data Center
Cancel and Exit
Feedback
English (US)
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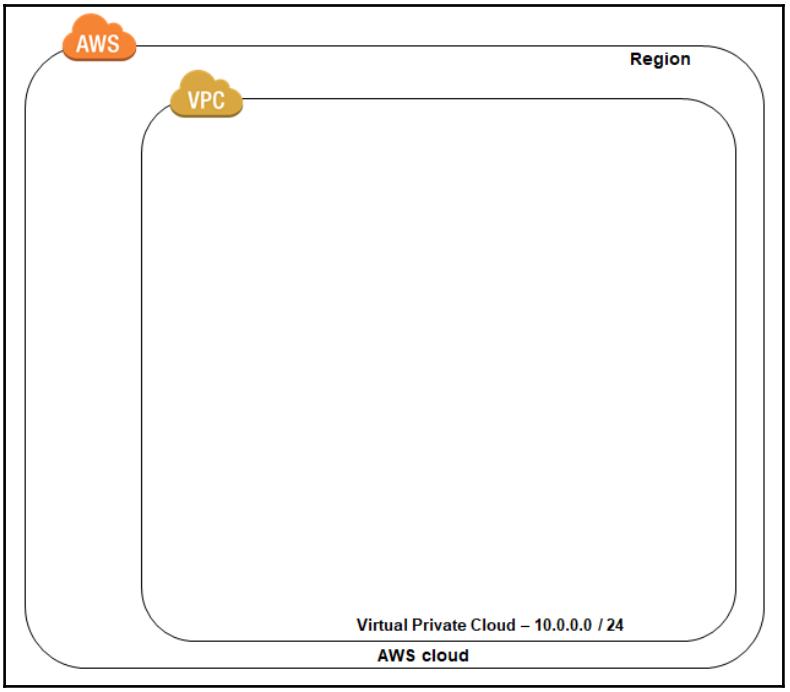
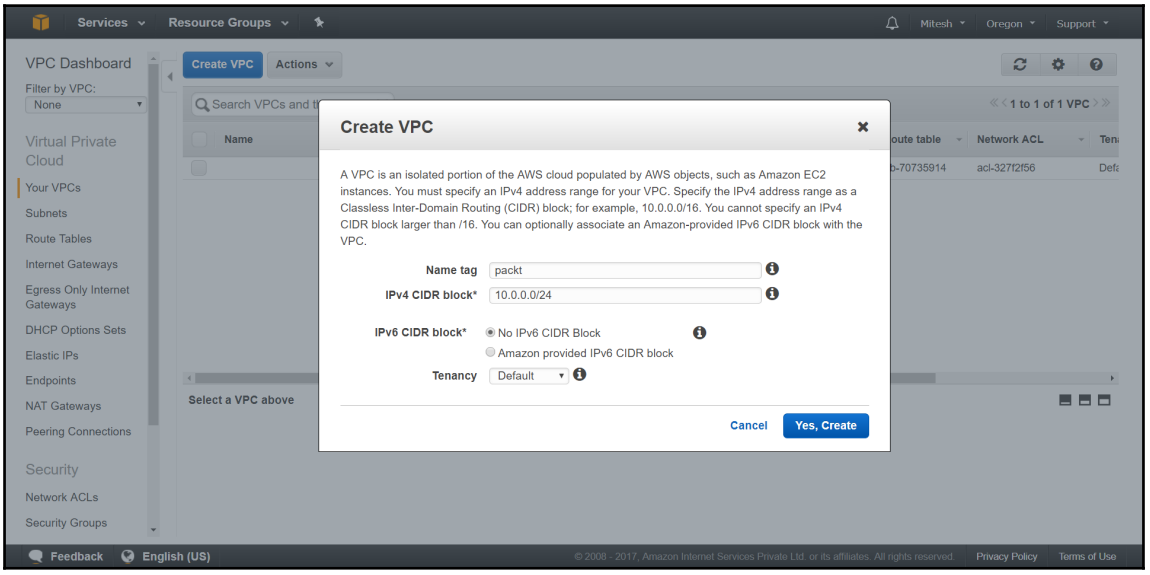

AWS
Region
VPC
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create VPC
Actions
Search VPCs and
1 to 1 of 1 VPC
Name
Network ACL
acl-327f2f56
Select a VPC above
Create VPC
A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 address range for your VPC. Specify the IPv4 address range as a Classless Inter-Domain Routing (CIDR) block; for example, 10.0.0.0/16. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an Amazon-provided IPv6 CIDR block with the VPC.
Name tag
packt
IPv4 CIDR block*
10.0.0.0/24
IPv6 CIDR block*
No IPv6 CIDR Block
Amazon provided IPv6 CIDR block
Tenancy
Default
Cancel
Yes, Create
Feedback
English (US)
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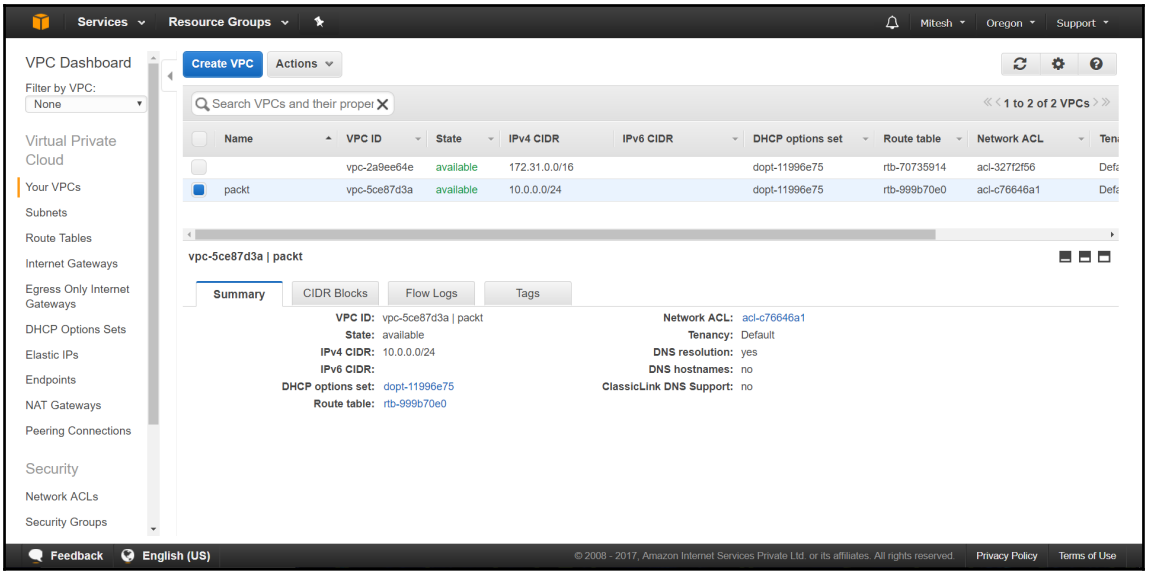
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create VPC
Actions
Search VPCs and their proper
1 to 2 of 2 VPCs
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
DHCP options set
Route table
Network ACL
vpc-2a9ee64e available 172.31.0.0/16 dopt-11996e75 rtb-70735914 acl-327f2f56
packt vpc-5ce87d3a available 10.0.0.0/24 dopt-11996e75 rtb-999b70e0 acl-c76646a1
vpc-5ce87d3a | packt
Summary
CIDR Blocks
Flow Logs
Tags
VPC ID: vpc-5ce87d3a | packt
State: available
IPv4 CIDR: 10.0.0.0/24
IPv6 CIDR:
DHCP options set: dopt-11996e75
Route table: rtb-999b70e0
Network ACL: acl-c76646a1
Tenancy: Default
DNS resolution: yes
DNS hostnames: no
ClassicLink DNS Support: no
Feedback
English (US)
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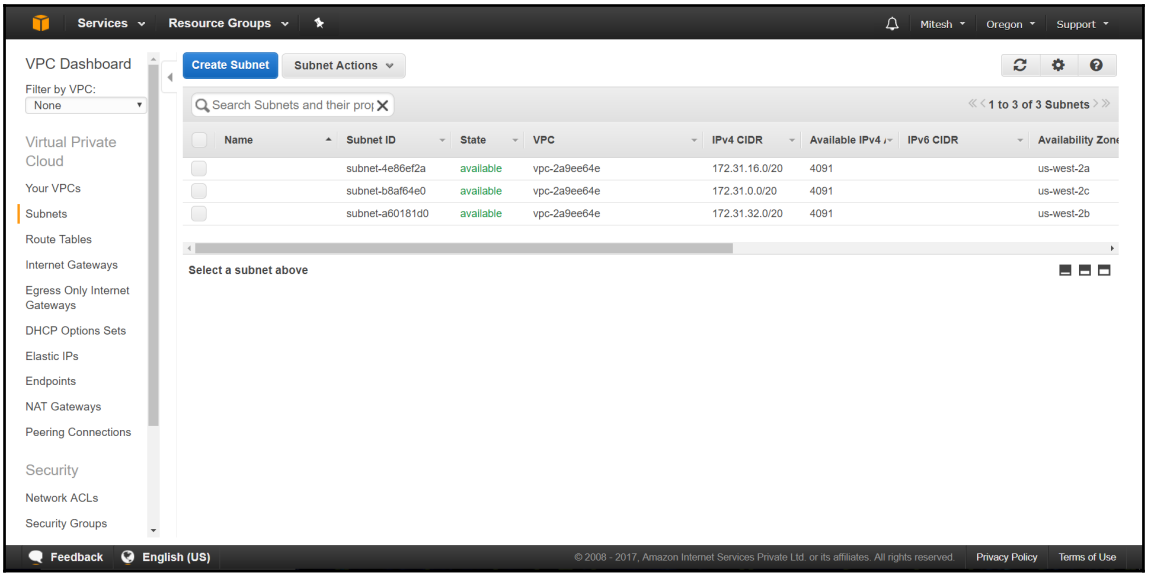
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and their prop
1 to 3 of 3 Subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
Available IPv4
IPv6 CIDR
Availability Zone
subnet-4e86ef2a available vpc-2a9ee64e 172.31.16.0/20 4091 us-west-2a
subnet-b8af64e0 available vpc-2a9ee64e 172.31.0.0/20 4091 us-west-2c
subnet-a60181d0 available vpc-2a9ee64e 172.31.32.0/20 4091 us-west-2b
Select a subnet above
Feedback
English (US)
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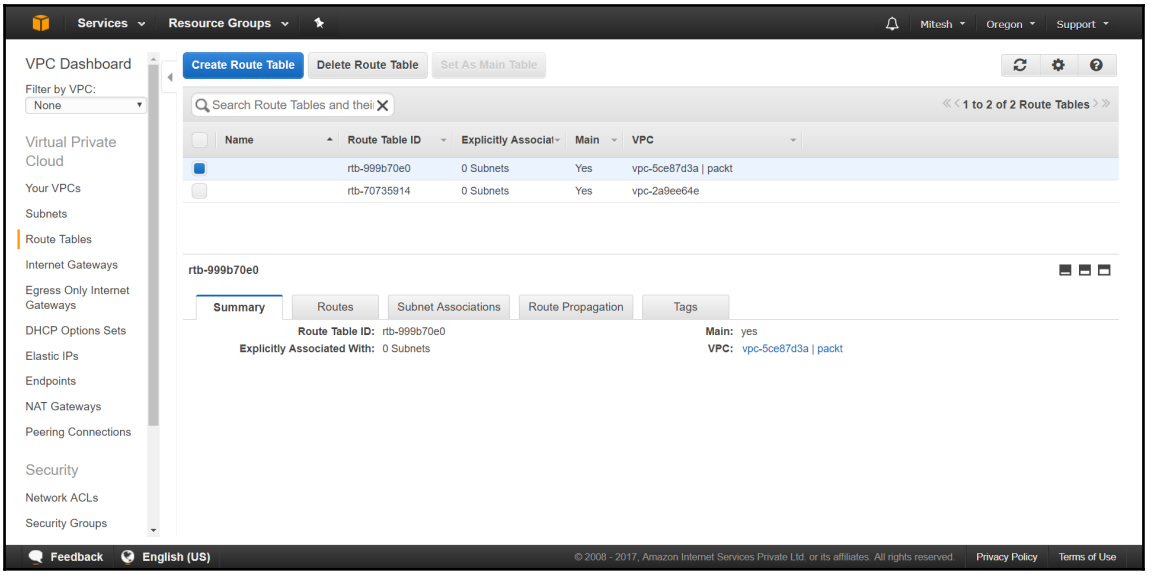
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and their
1 to 2 of 2 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
0 Subnets
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
rtb-999b70e0
Summary
Routes
Subnet Associations
Route Propagation
Tags
Route Table ID: rtb-999b70e0
Explicitly Associated With: 0 Subnets
Main: yes
VPC: vpc-5ce87d3a | packt
Feedback
English (US)
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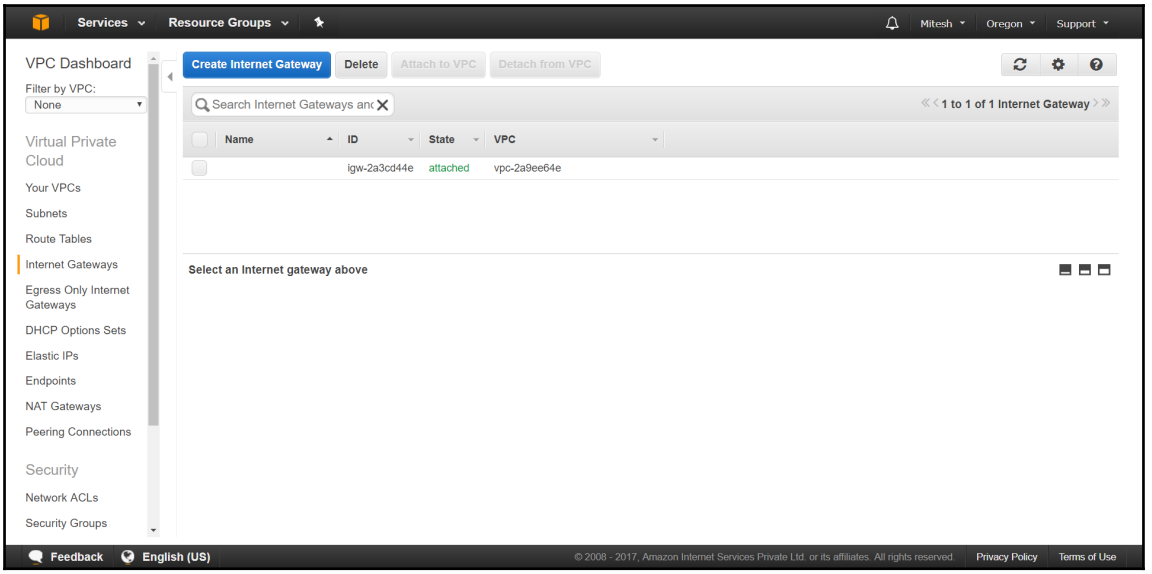
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Internet Gateway
Delete
Attach to VPC
Detach from VPC
Search Internet Gateways and
1 to 1 of 1 Internet Gateway
Name
ID
State
VPC
igw-2a3cd44e
attached
vpc-2a9ee64e
Select an Internet gateway above
Feedback
English (US)
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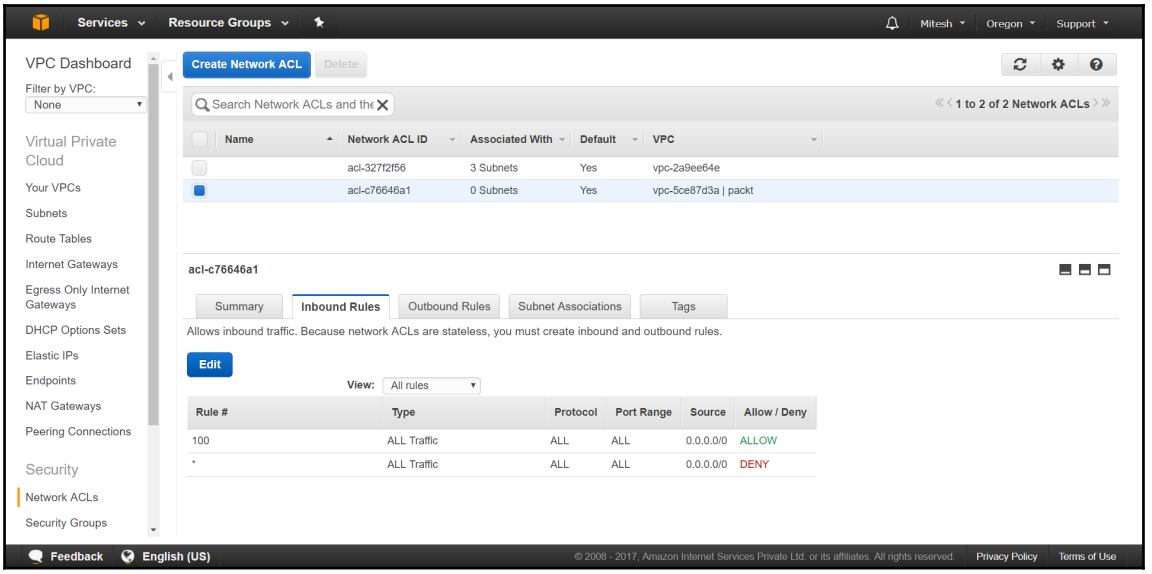
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Network ACL
Delete
Search Network ACLs and the
1 to 2 of 2 Network ACLs
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-c76646a1
0 Subnets
Yes
vpc-5ce87d3a | packt
acl-c76646a1
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows inbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Edit
View:
All rules
Rule #
Type
Protocol
Port Range
Source
Allow / Deny
100
ALL Traffic
ALL
ALL
0.0.0.0/0
ALLOW
*
ALL Traffic
ALL
ALL
0.0.0.0/0
DENY
Feedback
English (US)
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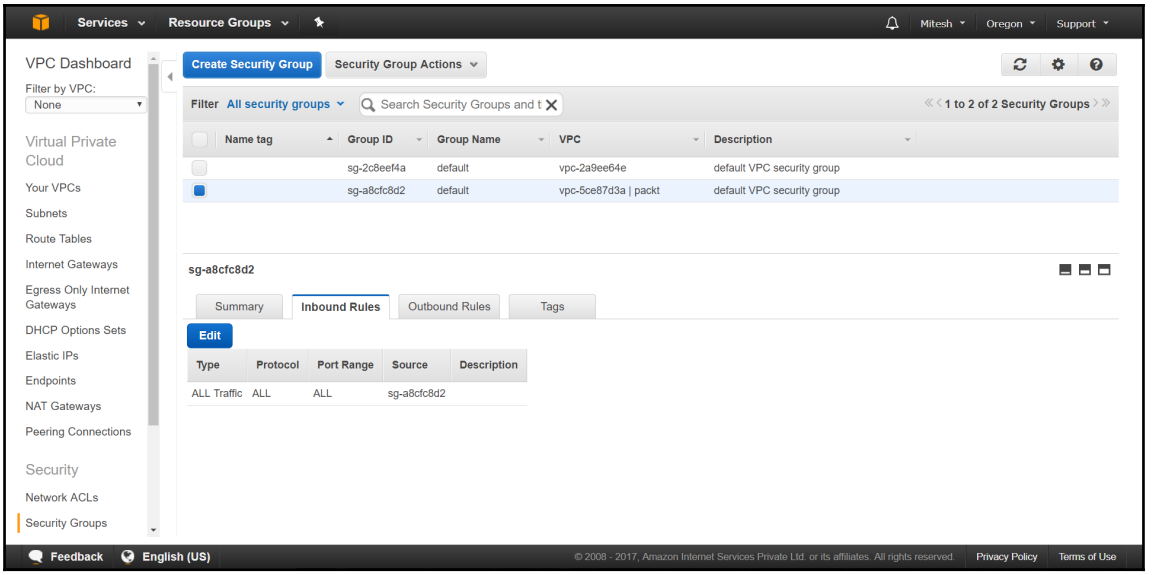
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Security Group
Security Group Actions
Filter
All security groups
Search Security Groups and t
1 to 2 of 2 Security Groups
Name tag
Group ID
Group Name
VPC
Description
sg-2c8eef4a
default
vpc-2a9ee64e
default VPC security group
sg-a8cfc8d2
default
vpc-5ce87d3a | packt
default VPC security group
sg-a8cfc8d2
Summary
Inbound Rules
Outbound Rules
Tags
Edit
Type
Protocol
Port Range
Source
Description
ALL Traffic
ALL
ALL
sg-a8cfc8d2
Feedback
English (US)
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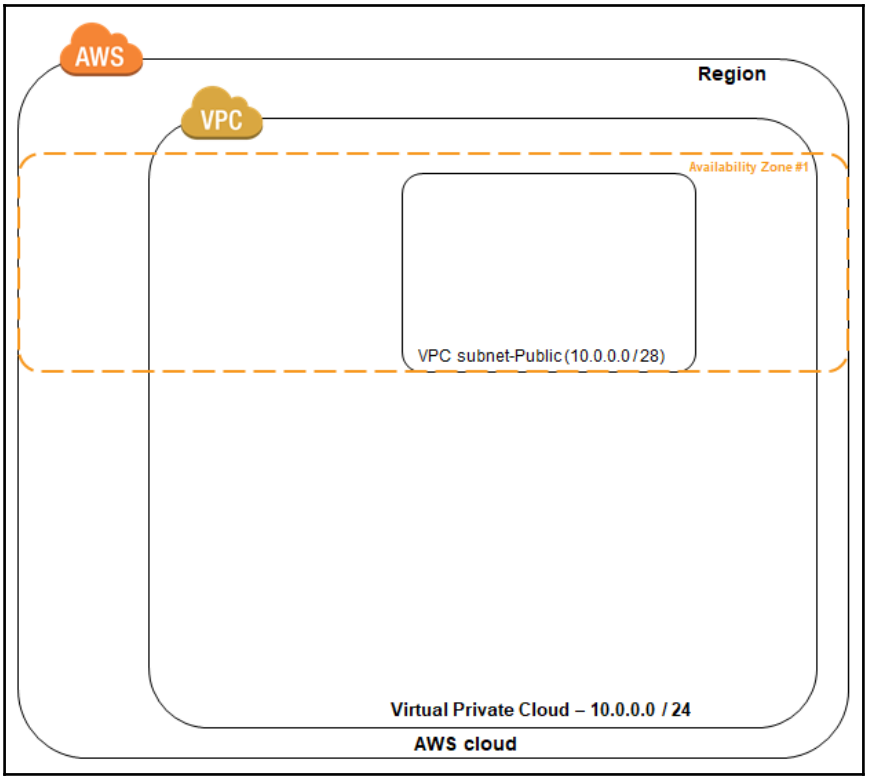
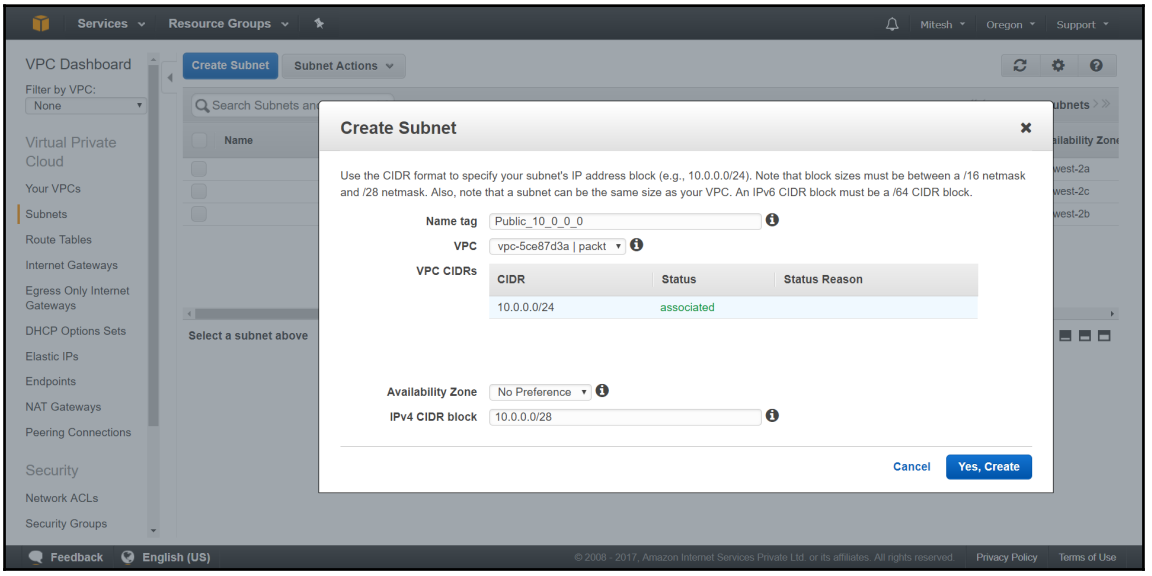

AWS
Region
VPC
Availability Zone #1
VPC subnet-Public (10.0.0.0 / 28)
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Name
Select a subnet above
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Public_10_0_0_0
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
No Preference
IPv4 CIDR block
10.0.0.0/28
Cancel
Yes, Create
Feedback
English (US)
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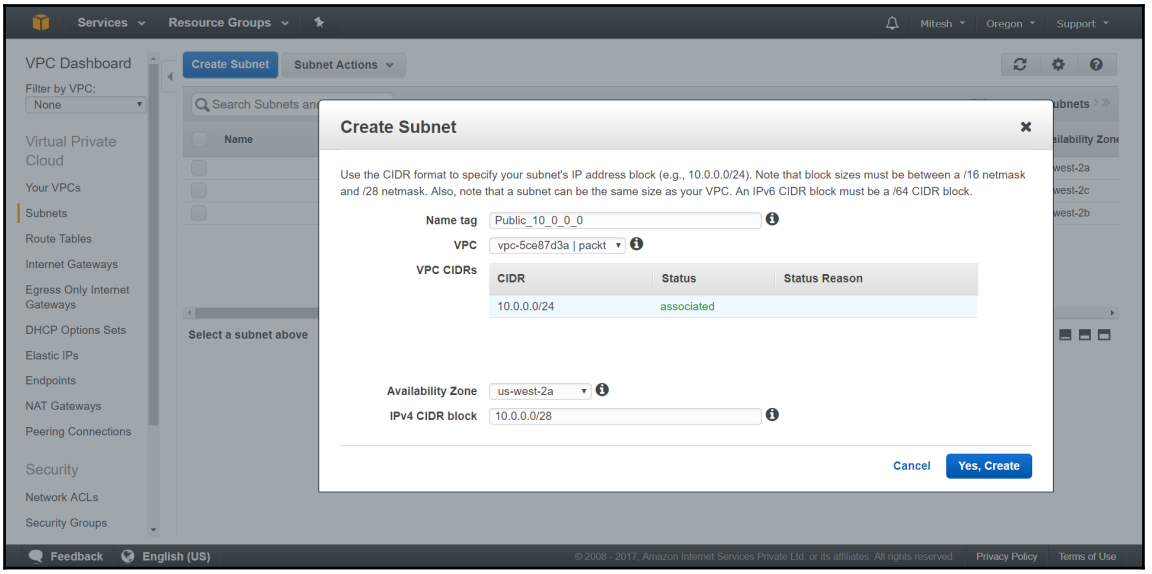
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Name
Select a subnet above
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Public_10_0_0_0
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2a
IPv4 CIDR block
10.0.0.0/28
Cancel
Yes, Create
Feedback
English (US)
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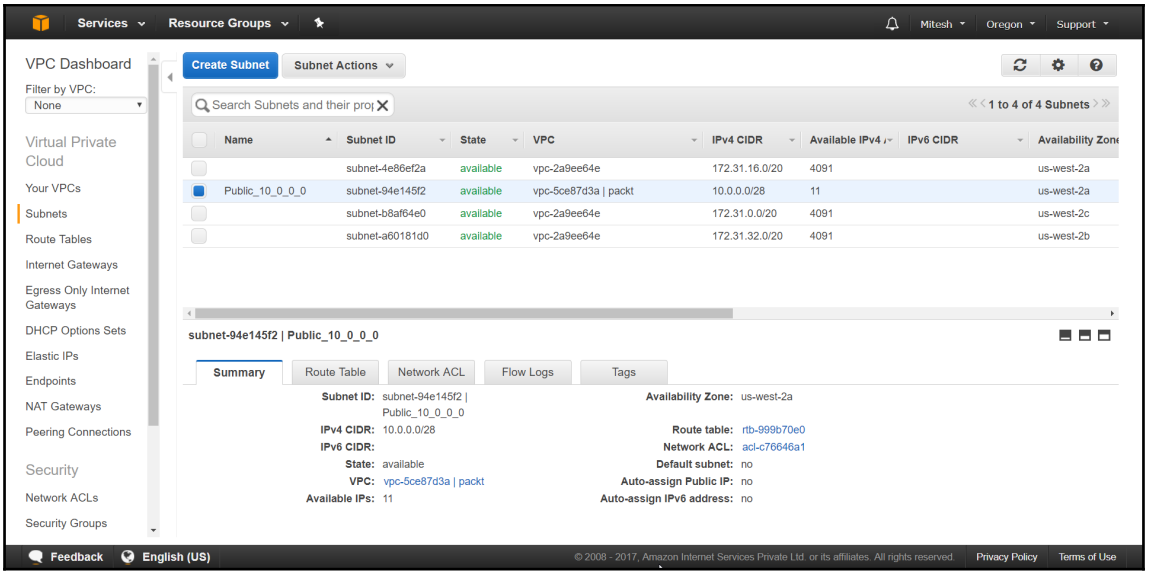
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and their prop
1 to 4 of 4 Subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
Available IPv4
IPv6 CIDR
Availability Zone
subnet-4e86ef2a available vpc-2a9ee64e 172.31.16.0/20 4091 us-west-2a
Public_10_0_0_0 subnet-94e145f2 available vpc-5ce87d3a | packt 10.0.0.0/28 11 us-west-2a
subnet-b8af64e0 available vpc-2a9ee64e 172.31.0.0/20 4091 us-west-2c
subnet-a60181d0 available vpc-2a9ee64e 172.31.32.0/20 4091 us-west-2b
subnet-94e145f2 | Public_10_0_0_0
Summary
Route Table
Network ACL
Flow Logs
Tags
Subnet ID: subnet-94e145f2 | Public_10_0_0_0
IPv4 CIDR: 10.0.0.0/28
IPv6 CIDR:
State: available
VPC: vpc-5ce87d3a | packt
Available IPs: 11
Availability Zone: us-west-2a
Route table: rtb-999b70e0
Network ACL: acl-c76646a1
Default subnet: no
Auto-assign Public IP: no
Auto-assign IPv6 address: no
Feedback
English (US)
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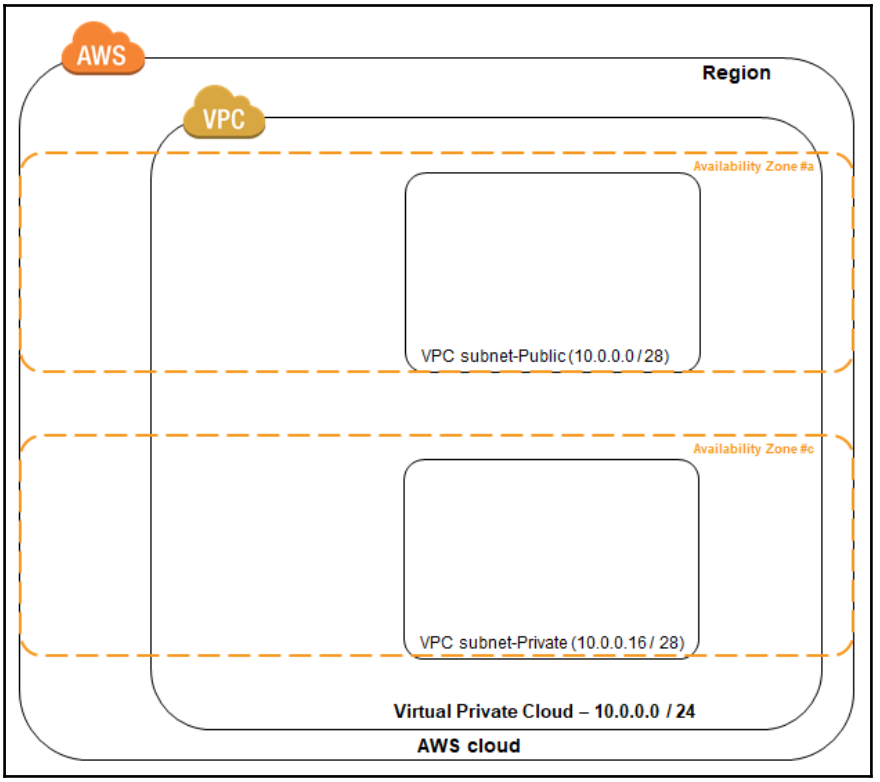
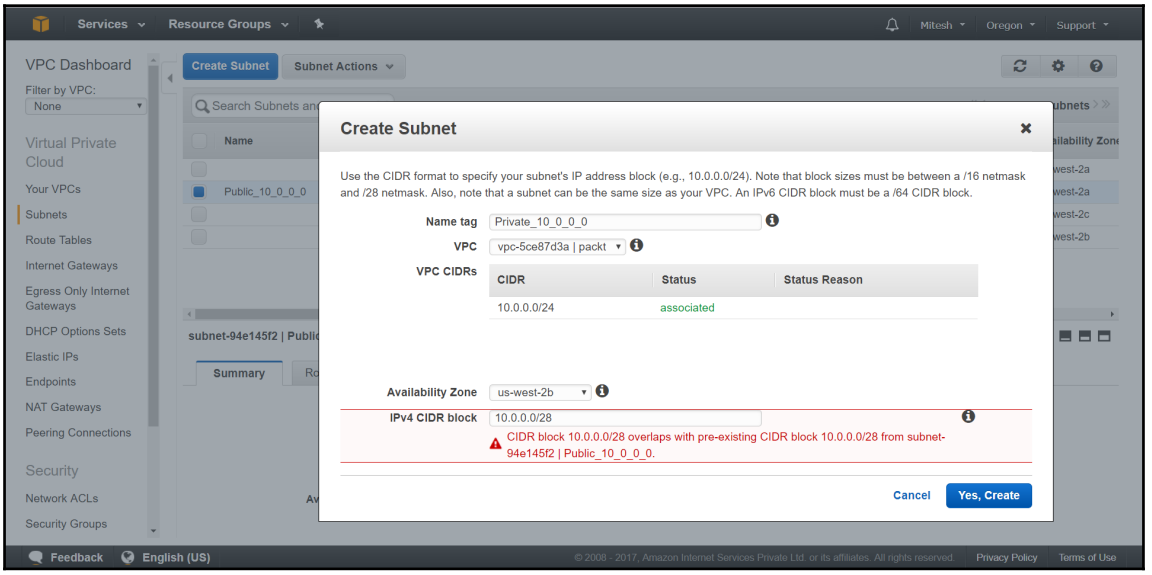

AWS
Region
VPC
Availability Zone #a
VPC subnet-Public (10.0.0.0 / 28)
Availability Zone #c
VPC subnet-Private (10.0.0.16 / 28)
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and
Name
Public_10_0_0_0
subnet-94e145f2 | Public
Summary
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private_10_0_0_0
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2b
IPv4 CIDR block
10.0.0.0/28
CIDR block 10.0.0.0/28 overlaps with pre-existing CIDR block 10.0.0.0/28 from subnet-94e145f2 | Public_10_0_0_0.
Cancel
Yes, Create
Feedback
English (US)
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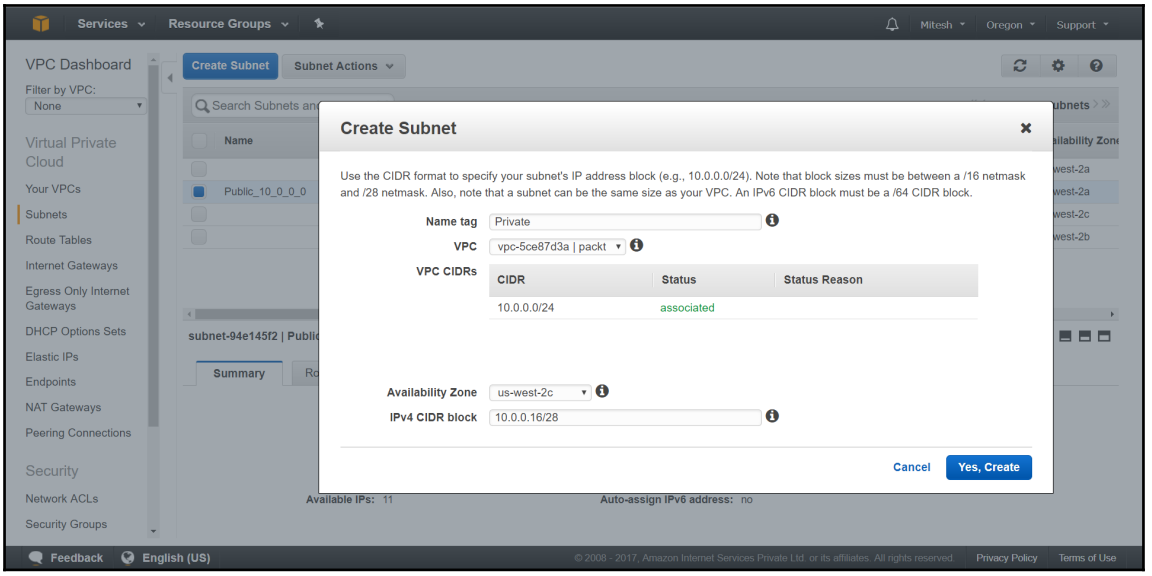
CIDR Block	IP Range	Subnet Mask	IP Quantity
10.0.0.0/32	10.0.0.0 - 10.0.0.0	255.255.255.255	1
10.0.0.0/31	10.0.0.0 - 10.0.0.1	255.255.255.254	2
10.0.0.0/30	10.0.0.0 - 10.0.0.3	255.255.255.252	4
10.0.0.0/29	10.0.0.0 - 10.0.0.7	255.255.255.248	8
10.0.0.0/28	10.0.0.0 - 10.0.0.15	255.255.255.240	16
10.0.0.0/27	10.0.0.0 - 10.0.0.31	255.255.255.224	32
10.0.0.0/26	10.0.0.0 - 10.0.0.63	255.255.255.192	64
10.0.0.0/25	10.0.0.0 - 10.0.0.127	255.255.255.128	128
10.0.0.0/24	10.0.0.0 - 10.0.0.255	255.255.255.0	256


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Name
Public_10_0_0_0
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2c
IPv4 CIDR block
10.0.0.16/28
Cancel
Yes, Create
subnet-94e145f2 | Public
Summary
Available IPs: 11
Auto-assign IPv6 address: no
Feedback
English (US)
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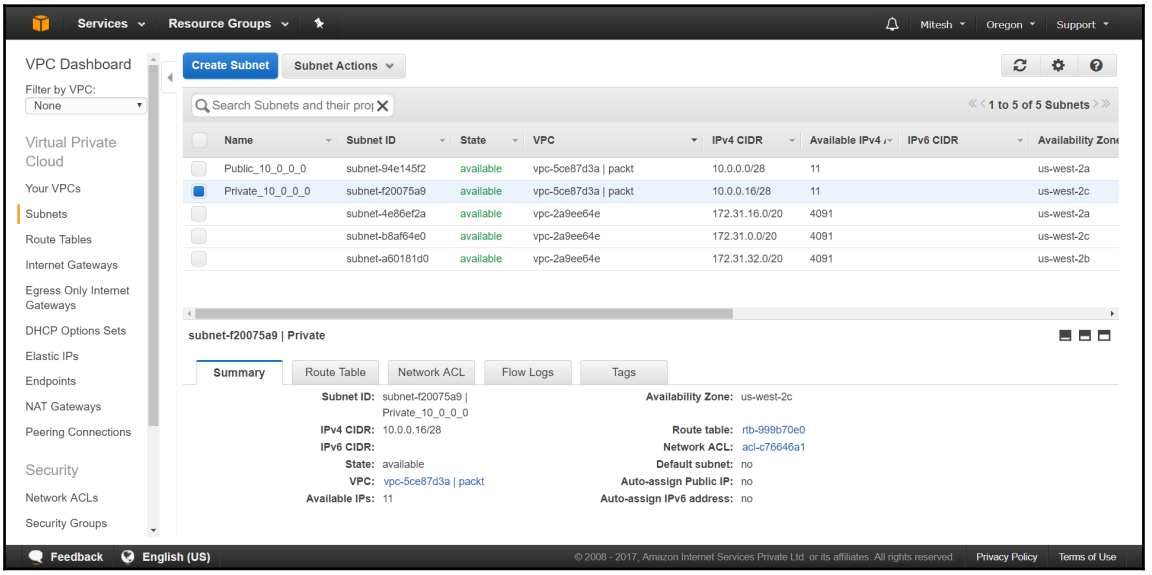
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and their prop
1 to 5 of 5 Subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
Available IPv4
IPv6 CIDR
Availability Zone
Public_10_0_0_0 subnet-94e145f2 available vpc-5ce87d3a | packt 10.0.0.0/28 11 us-west-2a
Private_10_0_0_0 subnet-f20075a9 available vpc-5ce87d3a | packt 10.0.0.16/28 11 us-west-2c
subnet-4e86ef2a available vpc-2a9ee64e 172.31.16.0/20 4091 us-west-2a
subnet-b8af64e0 available vpc-2a9ee64e 172.31.0.0/20 4091 us-west-2c
subnet-a60181d0 available vpc-2a9ee64e 172.31.32.0/20 4091 us-west-2b
subnet-f20075a9 | Private
Summary
Route Table
Network ACL
Flow Logs
Tags
Subnet ID: subnet-f20075a9 | Private_10_0_0_0
IPv4 CIDR: 10.0.0.16/28
IPv6 CIDR:
State: available
VPC: vpc-5ce87d3a | packt
Available IPs: 11
Availability Zone: us-west-2c
Route table: rtb-999b70e0
Network ACL: acl-c76646a1
Default subnet: no
Auto-assign Public IP: no
Auto-assign IPv6 address: no
Feedback
English (US)
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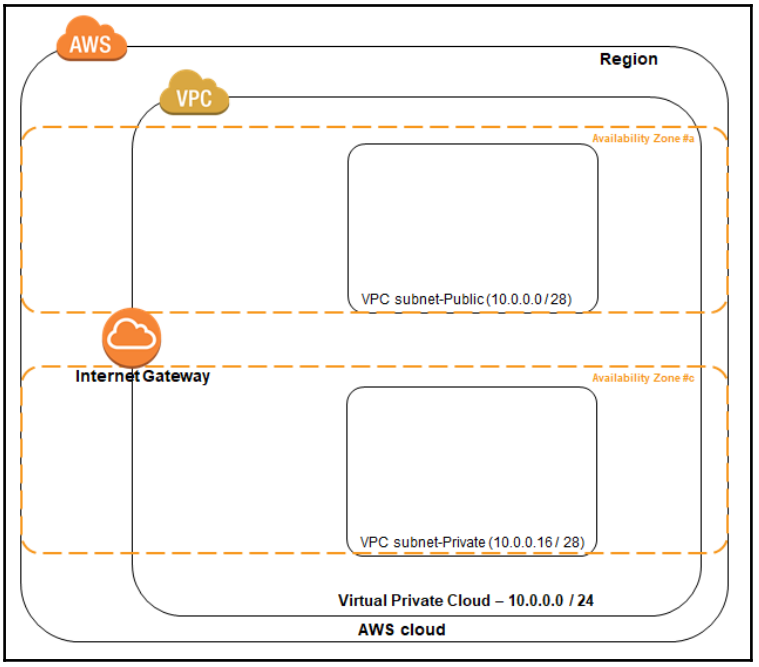
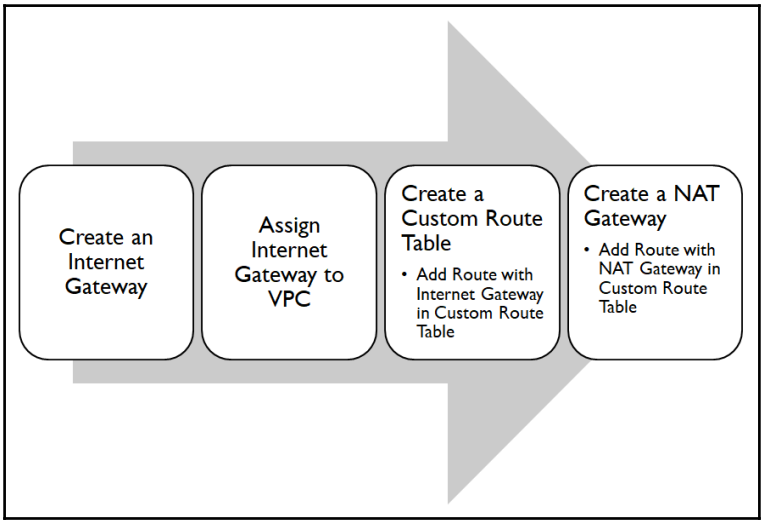
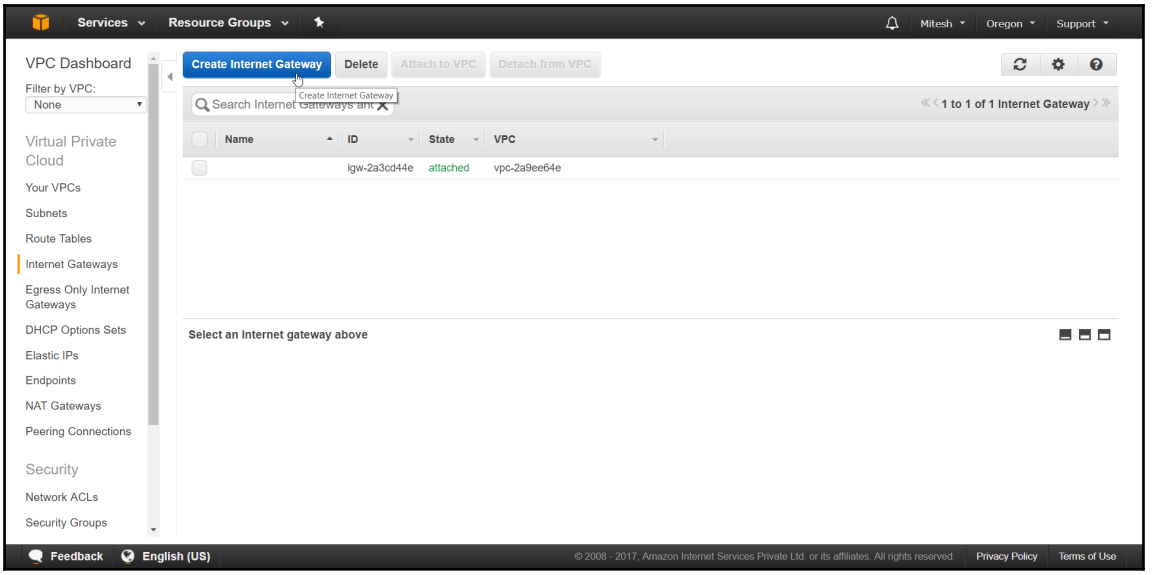

AWS
Region
VPC
Availability Zone #a
VPC subnet-Public (10.0.0.0 / 28)
Internet Gateway
Availability Zone #c
VPC subnet-Private (10.0.0.16 / 28)
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud


Create an Internet Gateway
Assign Internet Gateway to VPC
Create a Custom Route Table
• Add Route with Internet Gateway in Custom Route Table
Create a NAT Gateway
• Add Route with NAT Gateway in Custom Route Table


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Internet Gateway
Delete
Attach to VPC
Detach from VPC
Create Internet Gateway
Search Internet Gateways and
1 to 1 of 1 Internet Gateway
Name
ID
State
VPC
igw-2a3cd44e
attached
vpc-2a9ee64e
Select an Internet gateway above
Feedback
English (US)
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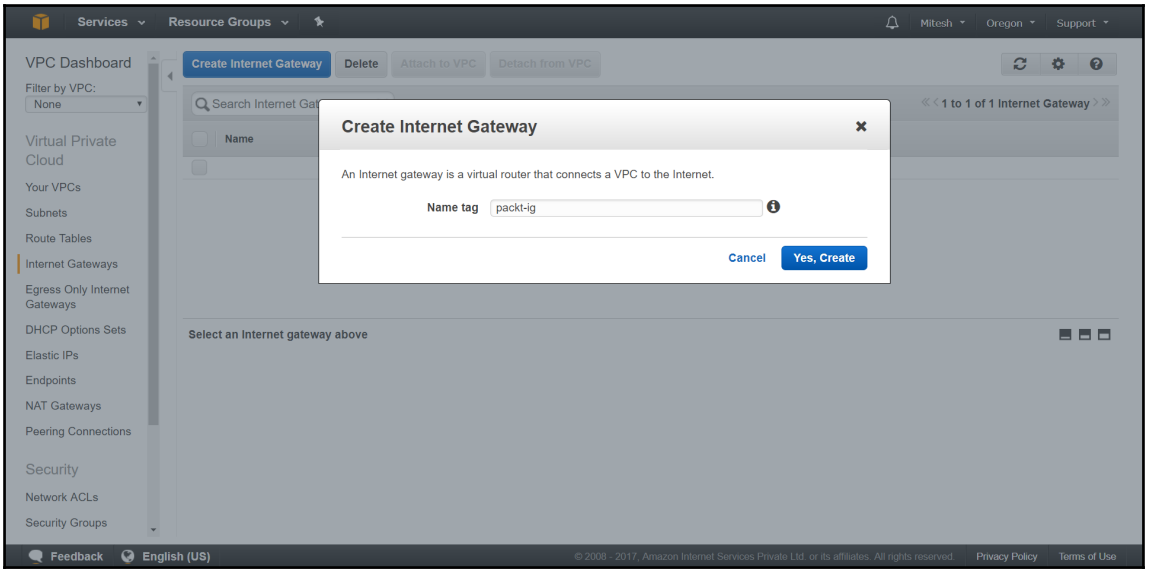
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Internet Gateway
Delete
Attach to VPC
Detach from VPC
1 to 1 of 1 Internet Gateway
Name
Create Internet Gateway
An Internet gateway is a virtual router that connects a VPC to the Internet.
Name tag
packt-ig
Cancel
Yes, Create
Select an Internet gateway above
Feedback
English (US)
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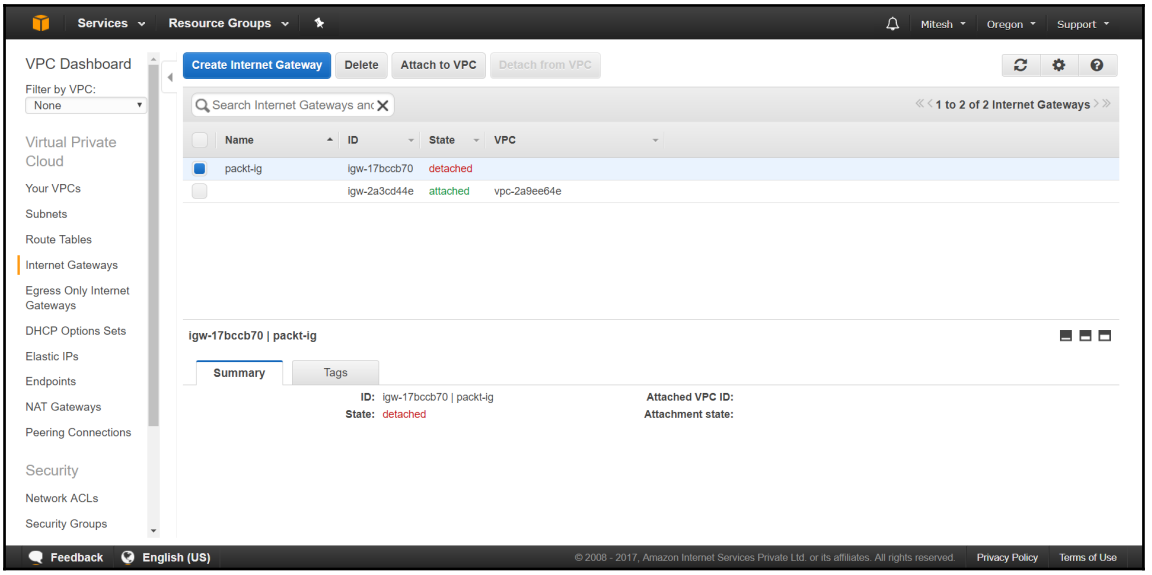
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Internet Gateway
Delete
Attach to VPC
Detach from VPC
Search Internet Gateways and
1 to 2 of 2 Internet Gateways
Name
ID
State
VPC
packt-ig
igw-17bccb70
detached
igw-2a3cd44e
attached
vpc-2a9ee64e
igw-17bccb70 | packt-ig
Summary
Tags
ID: igw-17bccb70 | packt-ig
State: detached
Attached VPC ID:
Attachment state:
Feedback
English (US)
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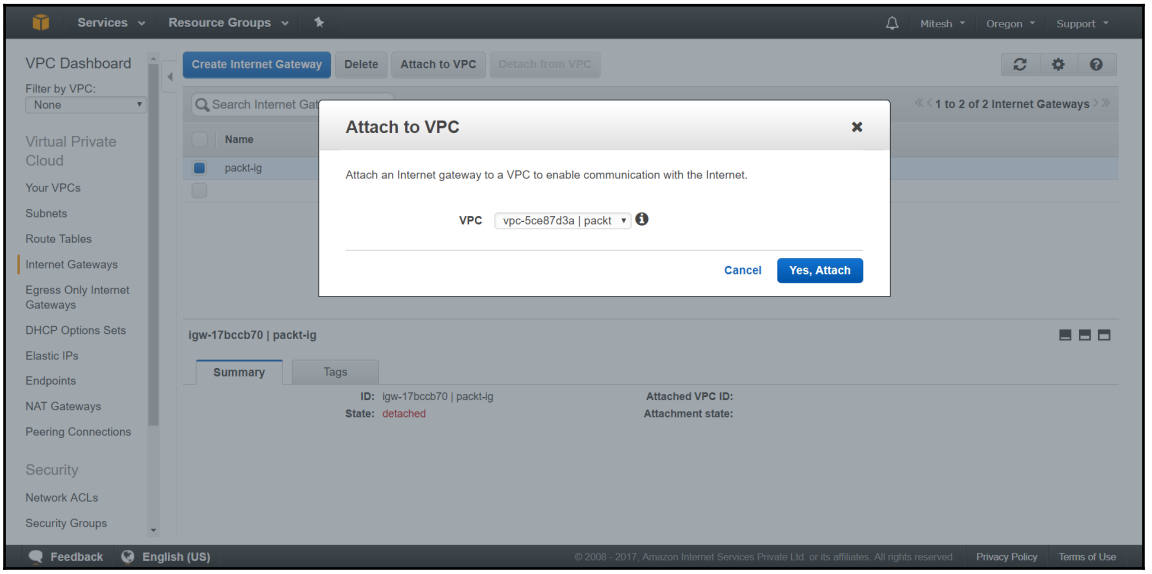
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Internet Gateway
Delete
Attach to VPC
Detach from VPC
1 to 2 of 2 Internet Gateways
Name
packt-ig
Attach to VPC
Attach an Internet gateway to a VPC to enable communication with the Internet.
VPC
vpc-5ce87d3a | packt
Cancel
Yes, Attach
igw-17bccb70 | packt-ig
Summary
Tags
ID: igw-17bccb70 | packt-ig
State: detached
Attached VPC ID:
Attachment state:
Feedback
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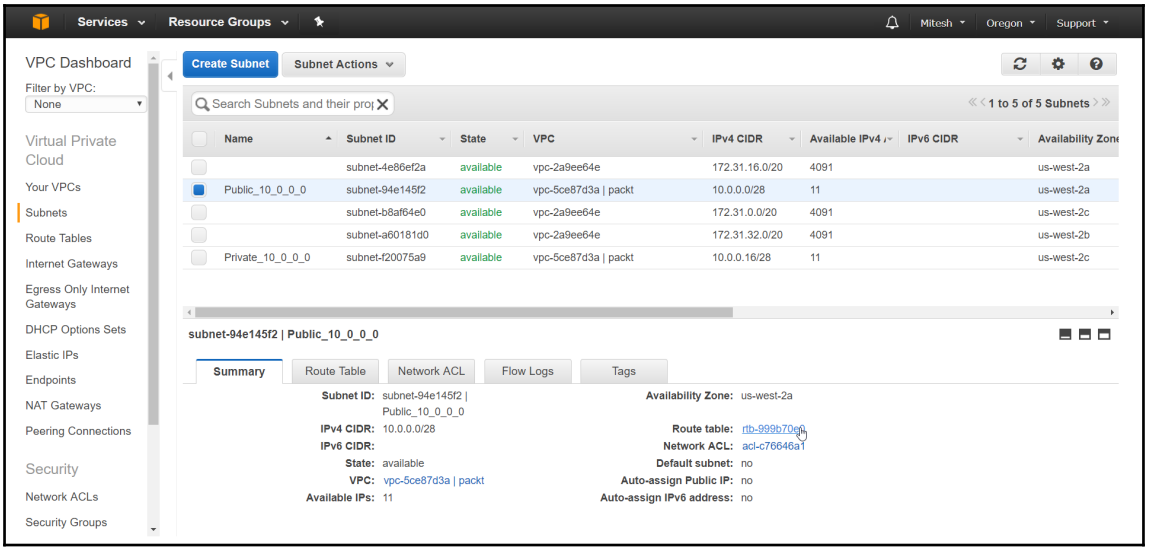
Services
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Filter by VPC:
None
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Your VPCs
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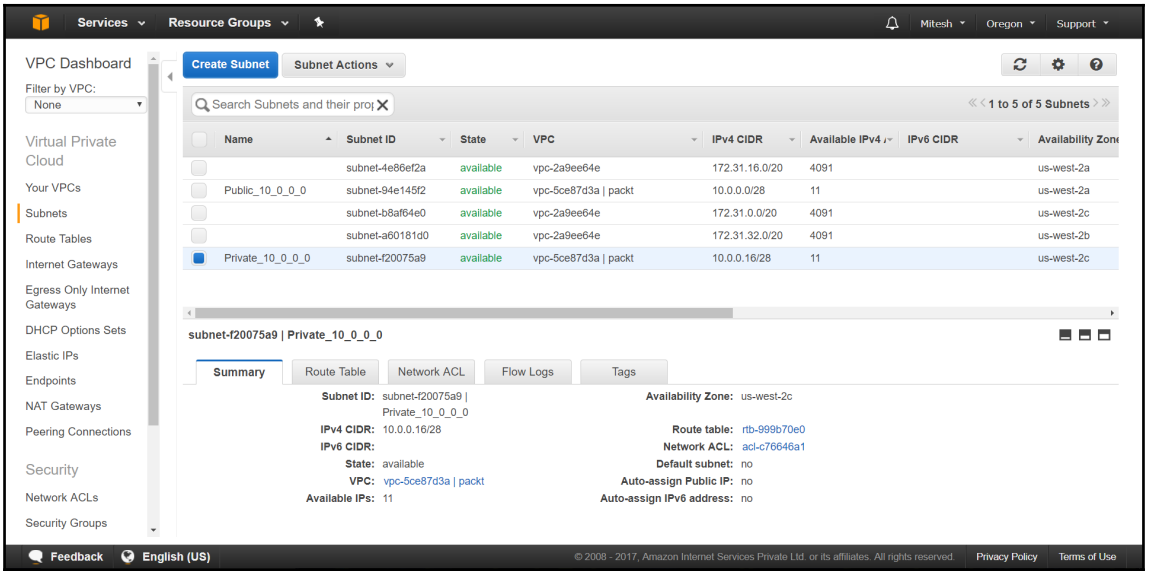
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and their prop
1 to 5 of 5 Subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
Available IPv4
IPv6 CIDR
Availability Zone
subnet-4e86ef2a available vpc-2a9ee64e 172.31.16.0/20 4091 us-west-2a
Public_10_0_0_0 subnet-94e145f2 available vpc-5ce87d3a | packt 10.0.0.0/28 11 us-west-2a
subnet-b8af64e0 available vpc-2a9ee64e 172.31.0.0/20 4091 us-west-2c
subnet-a60181d0 available vpc-2a9ee64e 172.31.32.0/20 4091 us-west-2b
Private_10_0_0_0 subnet-f20075a9 available vpc-5ce87d3a | packt 10.0.0.16/28 11 us-west-2c
subnet-94e145f2 | Public_10_0_0_0
Summary
Route Table
Network ACL
Flow Logs
Tags
Subnet ID: subnet-94e145f2 | Public_10_0_0_0
IPv4 CIDR: 10.0.0.0/28
IPv6 CIDR:
State: available
VPC: vpc-5ce87d3a | packt
Available IPs: 11
Availability Zone: us-west-2a
Route table: rtb-999b70e0
Network ACL: acl-c76646a1
Default subnet: no
Auto-assign Public IP: no
Auto-assign IPv6 address: no


Services
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VPC Dashboard
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Security Groups
Create Subnet
Subnet Actions
Search Subnets and their prop
1 to 5 of 5 Subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
Available IPv4
IPv6 CIDR
Availability Zone
subnet-4e86ef2a available vpc-2a9ee64e 172.31.16.0/20 4091 us-west-2a
Public_10_0_0_0 subnet-94e145f2 available vpc-5ce87d3a | packt 10.0.0.0/28 11 us-west-2a
subnet-b8af64e0 available vpc-2a9ee64e 172.31.0.0/20 4091 us-west-2c
subnet-a60181d0 available vpc-2a9ee64e 172.31.32.0/20 4091 us-west-2b
Private_10_0_0_0 subnet-f20075a9 available vpc-5ce87d3a | packt 10.0.0.16/28 11 us-west-2c
subnet-f20075a9 | Private_10_0_0_0
Summary
Route Table
Network ACL
Flow Logs
Tags
Subnet ID: subnet-f20075a9 | Private_10_0_0_0
IPv4 CIDR: 10.0.0.16/28
IPv6 CIDR:
State: available
VPC: vpc-5ce87d3a | packt
Available IPs: 11
Availability Zone: us-west-2c
Route table: rtb-999b70e0
Network ACL: acl-c76646a1
Default subnet: no
Auto-assign Public IP: no
Auto-assign IPv6 address: no
Feedback
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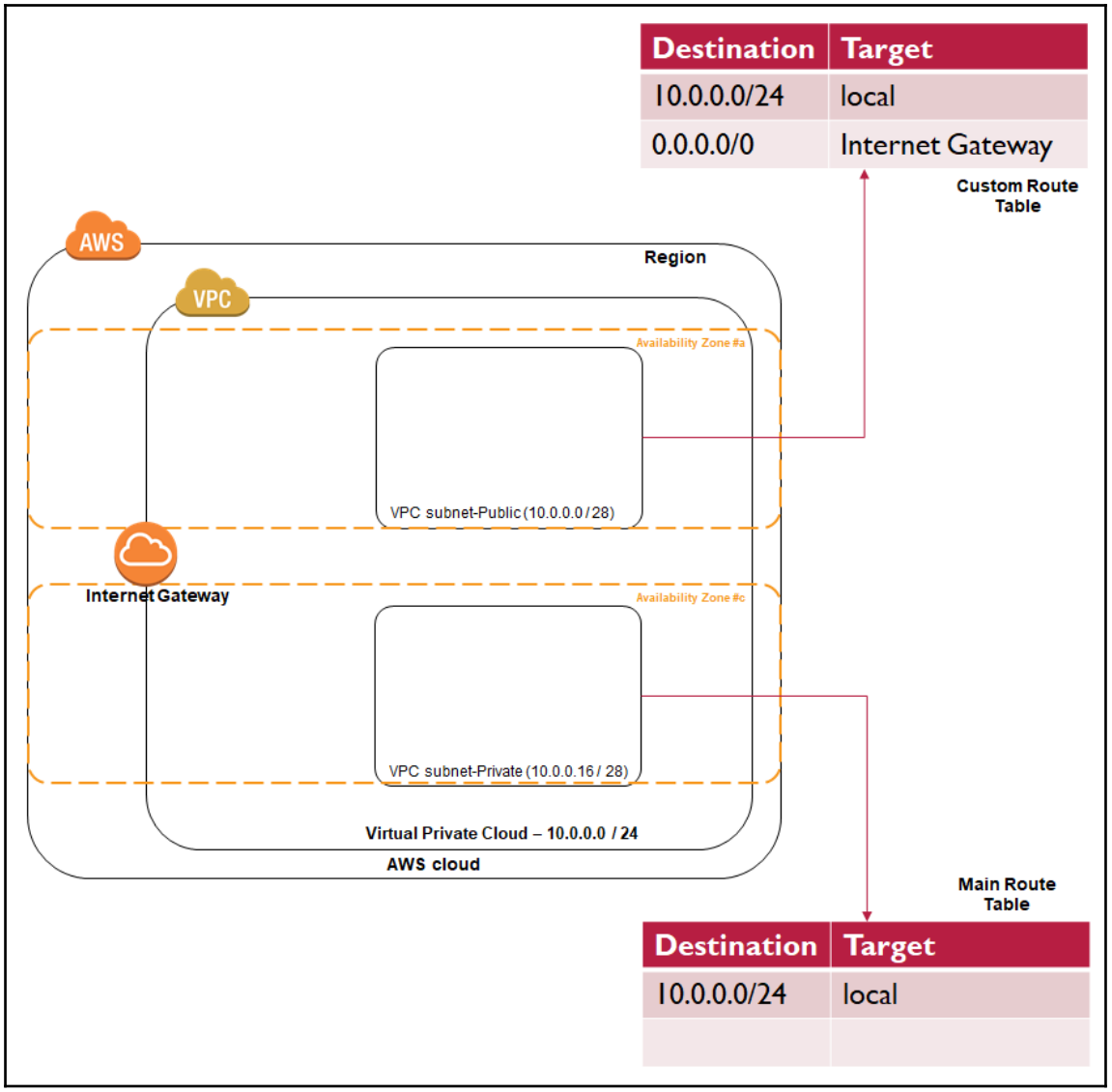
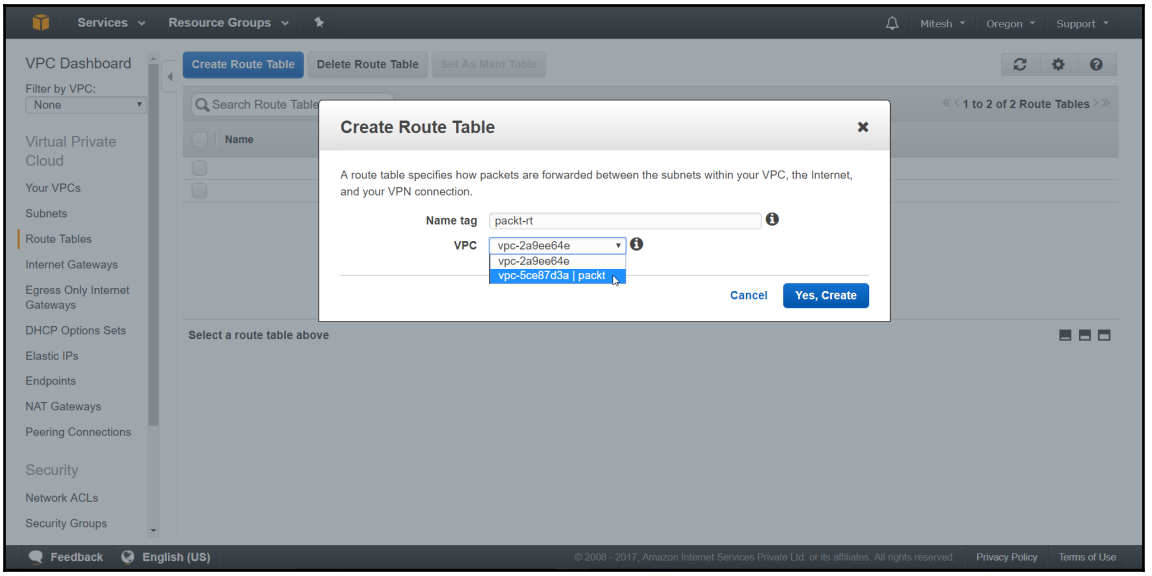

Destination
Target
10.0.0.0/24
local
0.0.0.0/0
Internet Gateway
Custom Route Table
AWS
Region
VPC
Availability Zone #a
VPC subnet-Public (10.0.0.0 / 28)
Internet Gateway
Availability Zone #c
VPC subnet-Private (10.0.0.16 / 28)
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud
Main Route Table
Destination
Target
10.0.0.0/24
local


Services
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VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Table
1 to 2 of 2 Route Tables
Name
Create Route Table
A route table specifies how packets are forwarded between the subnets within your VPC, the Internet, and your VPN connection.
Name tag
packt-rt
VPC
vpc-2a9ee64e
vpc-2a9ee64e
vpc-5ce87d3a | packt
Cancel
Yes, Create
Select a route table above
Feedback
English (US)
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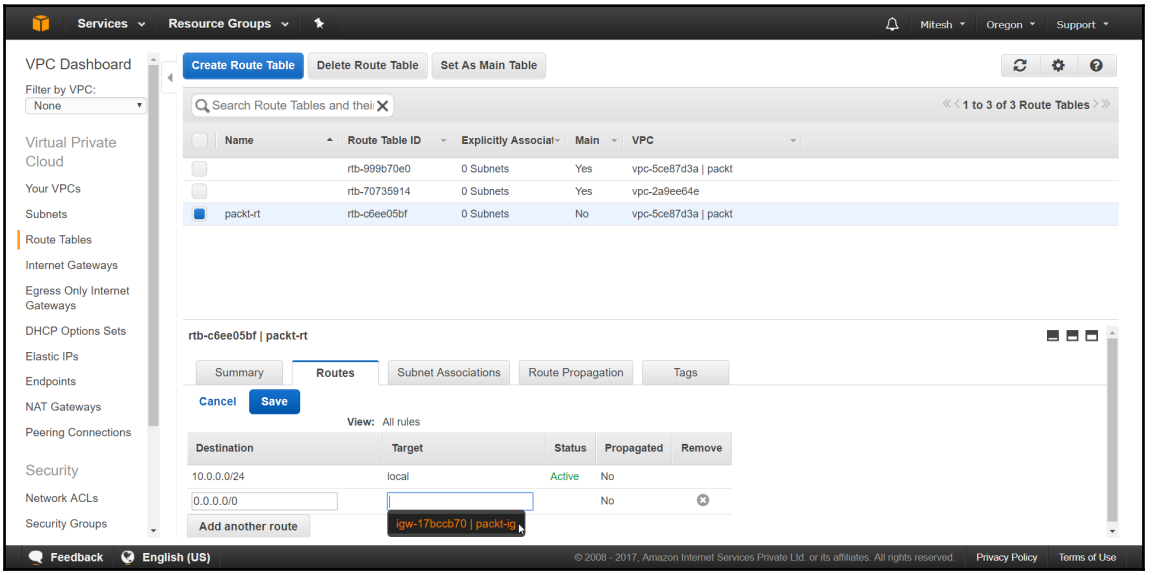
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VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
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NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and theii
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
0 Subnets
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
0 Subnets
No
vpc-5ce87d3a | packt
rtb-c6ee05bf | packt-rt
Summary
Routes
Subnet Associations
Route Propagation
Tags
Cancel
Save
View: All rules
Destination
Target
Status
Propagated
Remove
10.0.0.0/24
local
Active
No
0.0.0.0/0
No
Add another route
igw-17bccb70 | packt-ig
Feedback
English (US)
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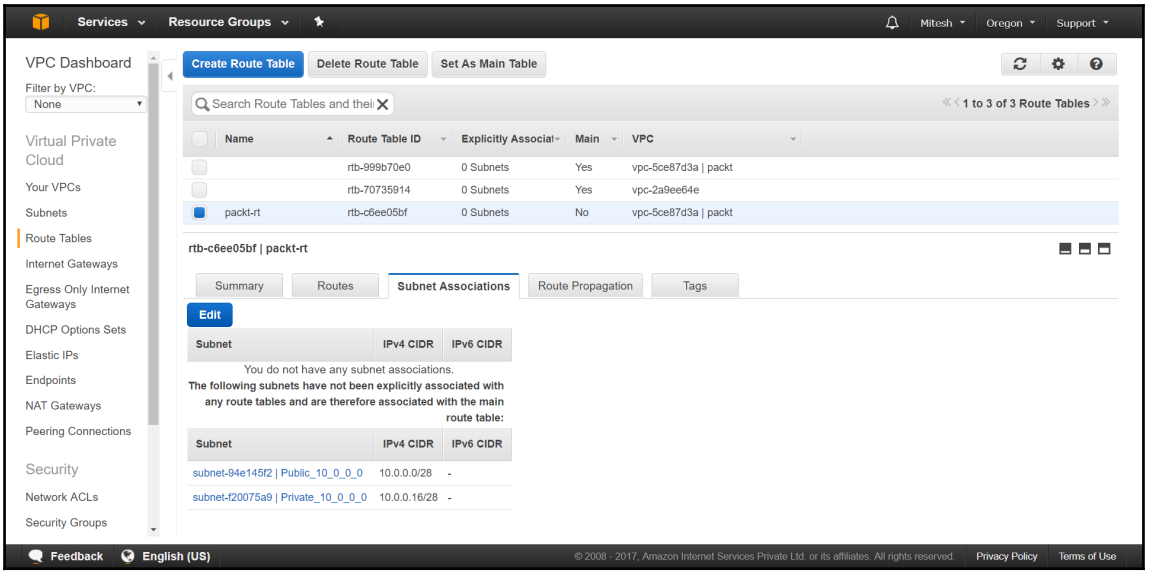
Services
Resource Groups
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Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and their
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
0 Subnets
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
0 Subnets
No
vpc-5ce87d3a | packt
rtb-c6ee05bf | packt-rt
Summary
Routes
Subnet Associations
Route Propagation
Tags
Edit
Subnet
IPv4 CIDR
IPv6 CIDR
You do not have any subnet associations.
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:
Subnet
IPv4 CIDR
IPv6 CIDR
subnet-94e145f2 | Public_10_0_0_0
10.0.0.0/28
subnet-f20075a9 | Private_10_0_0_0
10.0.0.16/28
Feedback
English (US)
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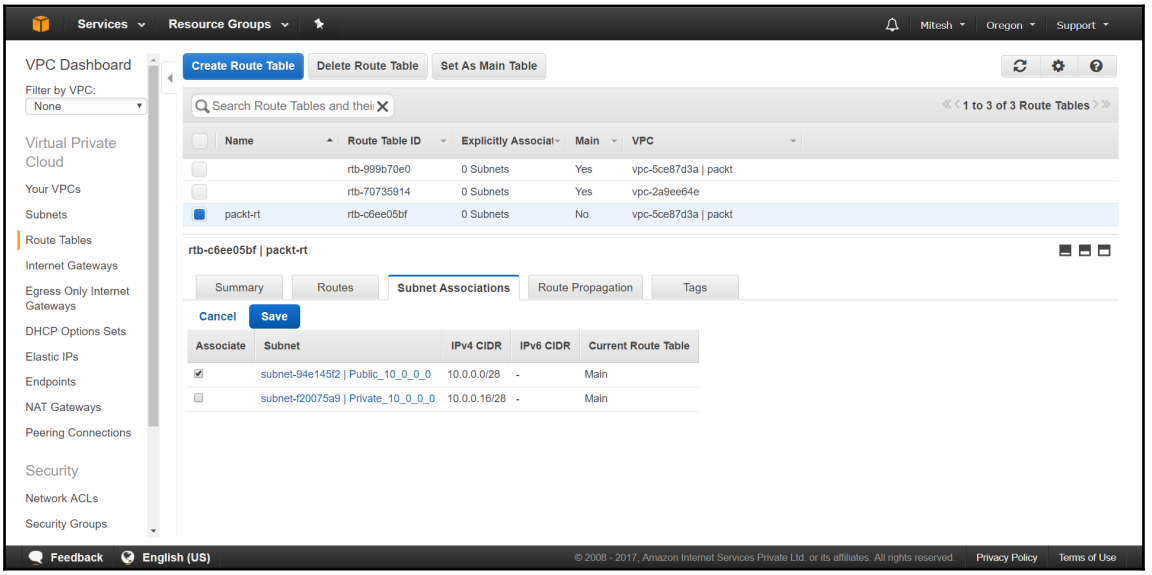
Services
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VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and their
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
0 Subnets
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
0 Subnets
No
vpc-5ce87d3a | packt
rtb-c6ee05bf | packt-rt
Summary
Routes
Subnet Associations
Route Propagation
Tags
Cancel
Save
Associate
Subnet
IPv4 CIDR
IPv6 CIDR
Current Route Table
subnet-94e145f2 | Public_10_0_0_0
10.0.0.0/28
Main
subnet-f20075a9 | Private_10_0_0_0
10.0.0.16/28
Main
Feedback
English (US)
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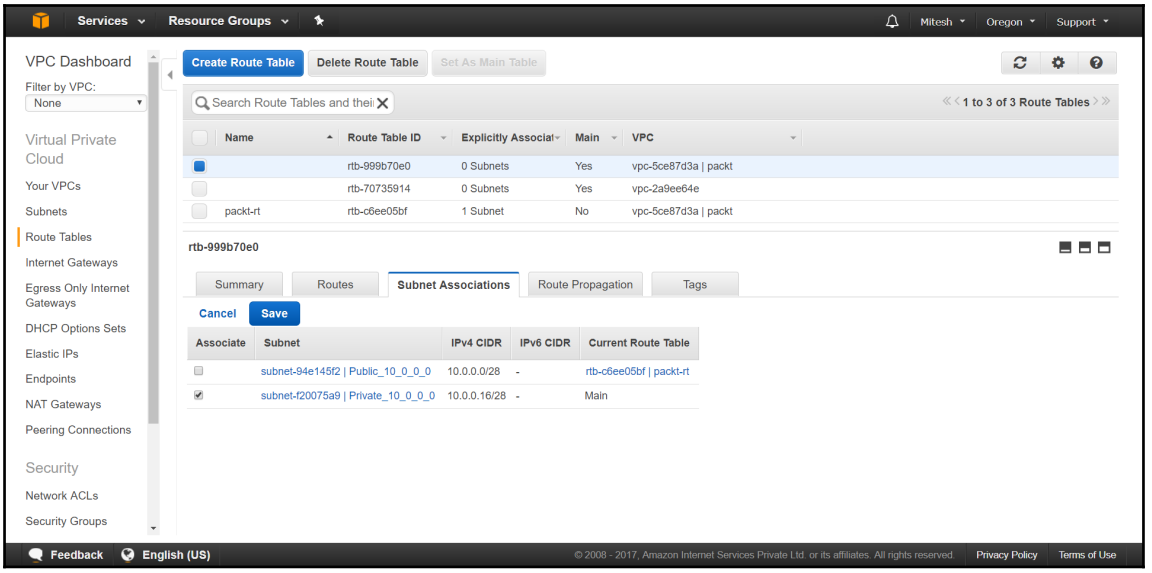
Services
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VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and thei
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
0 Subnets
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
1 Subnet
No
vpc-5ce87d3a | packt
rtb-999b70e0
Summary
Routes
Subnet Associations
Route Propagation
Tags
Cancel
Save
Associate
Subnet
IPv4 CIDR
IPv6 CIDR
Current Route Table
subnet-94e145f2 | Public_10_0_0_0
10.0.0.0/28
-
rtb-c6ee05bf | packt-rt
subnet-f20075a9 | Private_10_0_0_0
10.0.0.16/28
-
Main
Feedback
English (US)
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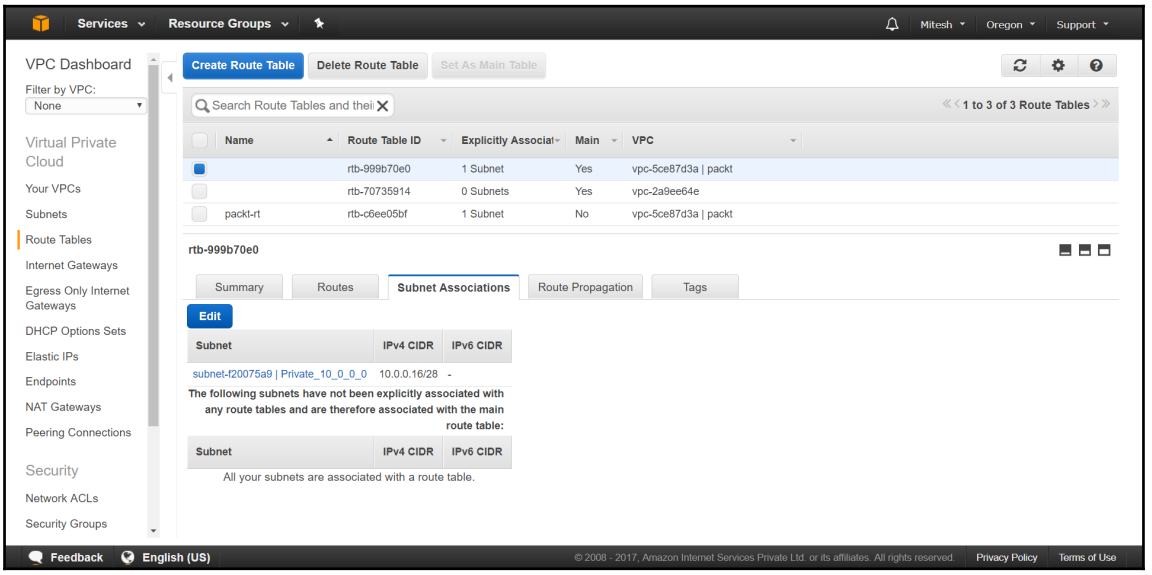
Services
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Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
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NAT Gateways
Peering Connections
Security
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Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and thei
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
1 Subnet
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
1 Subnet
No
vpc-5ce87d3a | packt
rtb-999b70e0
Summary
Routes
Subnet Associations
Route Propagation
Tags
Edit
Subnet
IPv4 CIDR
IPv6 CIDR
subnet-f20075a9 | Private_10_0_0_0
10.0.0.16/28
-
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:
Subnet
IPv4 CIDR
IPv6 CIDR
All your subnets are associated with a route table.
Feedback
English (US)
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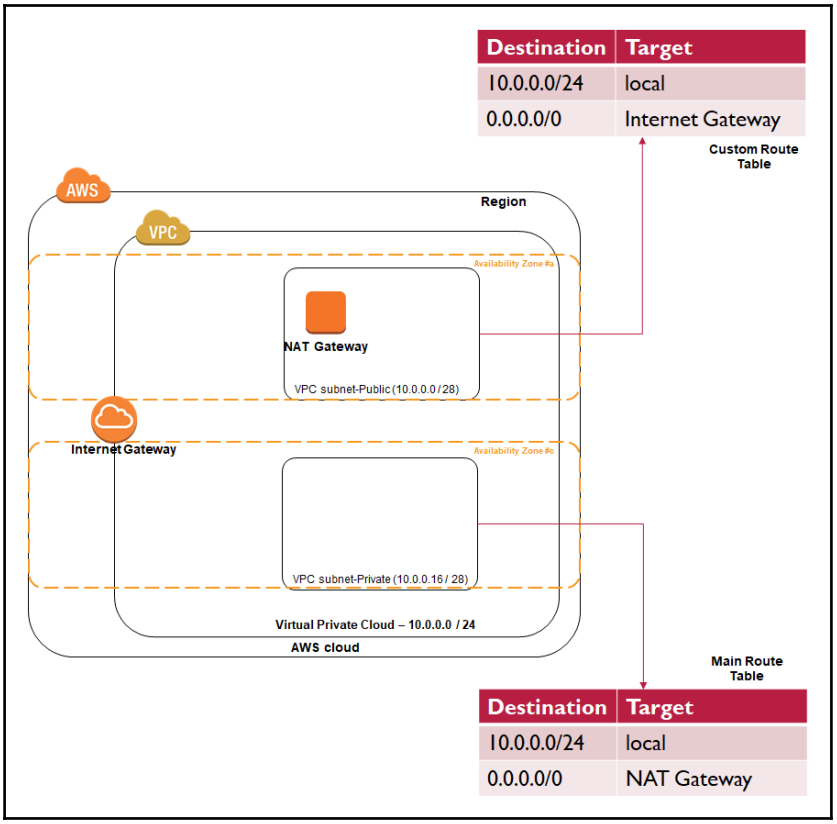
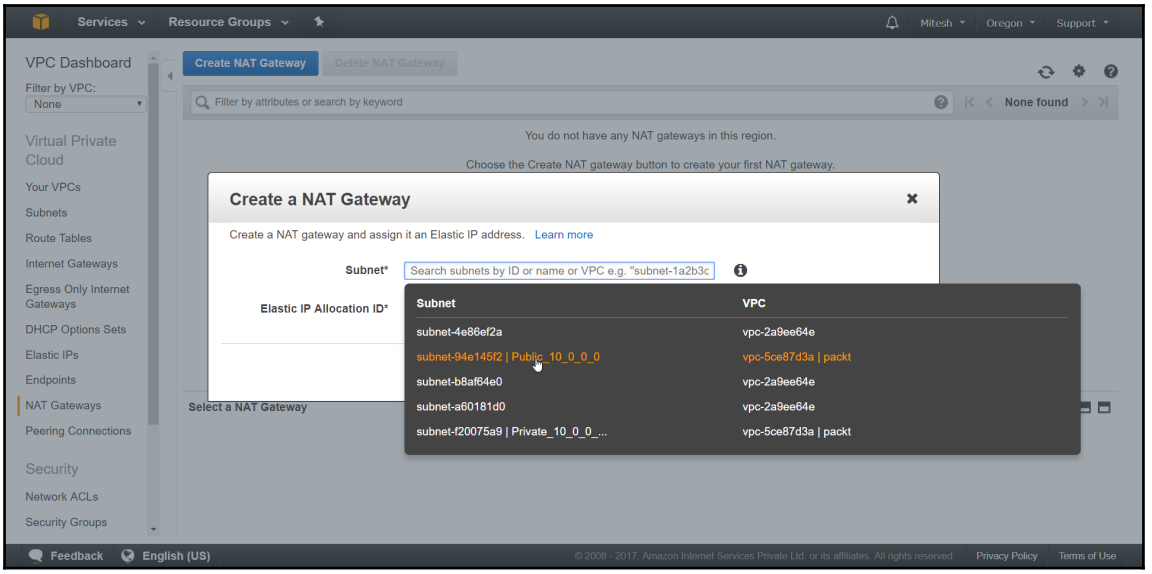

Destination
Target
10.0.0.0/24
local
0.0.0.0/0
Internet Gateway
Custom Route Table
AWS
Region
VPC
Availability Zone #a
NAT Gateway
VPC subnet-Public (10.0.0.0 / 28)
Internet Gateway
Availability Zone #c
VPC subnet-Private (10.0.0.16 / 28)
Virtual Private Cloud – 10.0.0.0 / 24
AWS cloud
Main Route Table
Destination
Target
10.0.0.0/24
local
0.0.0.0/0
NAT Gateway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Create NAT Gateway
Delete NAT Gateway
Filter by attributes or search by keyword
None found
You do not have any NAT gateways in this region.
Choose the Create NAT gateway button to create your first NAT gateway.
Create a NAT Gateway
Create a NAT gateway and assign it an Elastic IP address. Learn more
Subnet*
Search subnets by ID or name or VPC e.g. "subnet-1a2b3c
Elastic IP Allocation ID*
Subnet
VPC
subnet-4e86ef2a
vpc-2a9ee64e
subnet-94e145f2 | Public_10_0_0_0
vpc-5ce87d3a | packt
subnet-b8af64e0
vpc-2a9ee64e
subnet-a60181d0
vpc-2a9ee64e
subnet-f20075a9 | Private_10_0_0_...
vpc-5ce87d3a | packt
Select a NAT Gateway
Feedback
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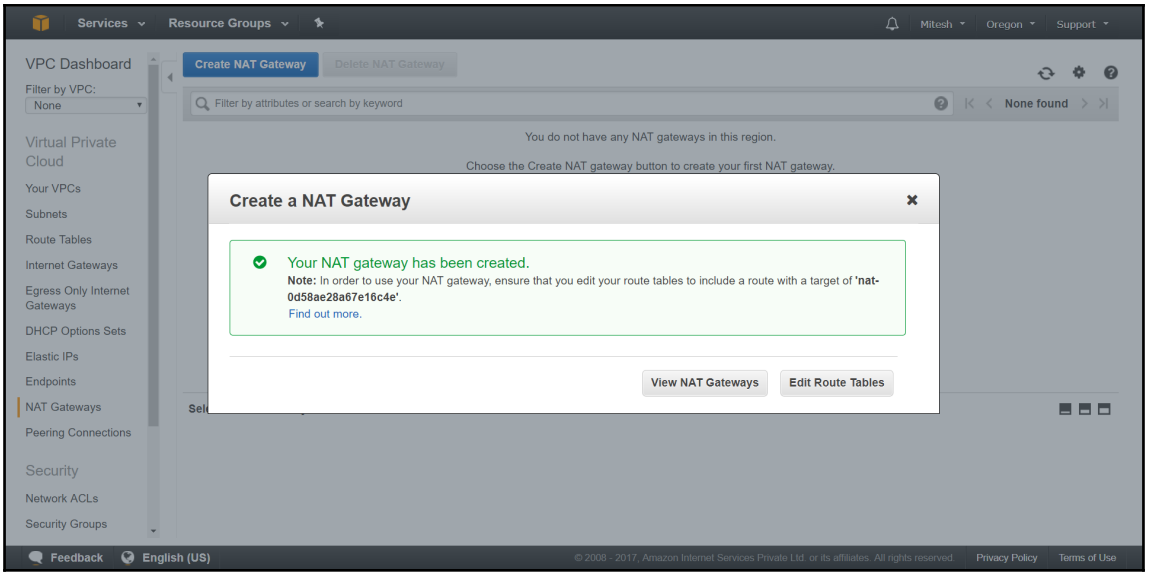
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DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create NAT Gateway
Delete NAT Gateway
Filter by attributes or search by keyword
None found
You do not have any NAT gateways in this region.
Choose the Create NAT gateway button to create your first NAT gateway.
Create a NAT Gateway
Your NAT gateway has been created.
Note: In order to use your NAT gateway, ensure that you edit your route tables to include a route with a target of 'nat-0d58ae28a67e16c4e'.
Find out more.
View NAT Gateways
Edit Route Tables
Feedback
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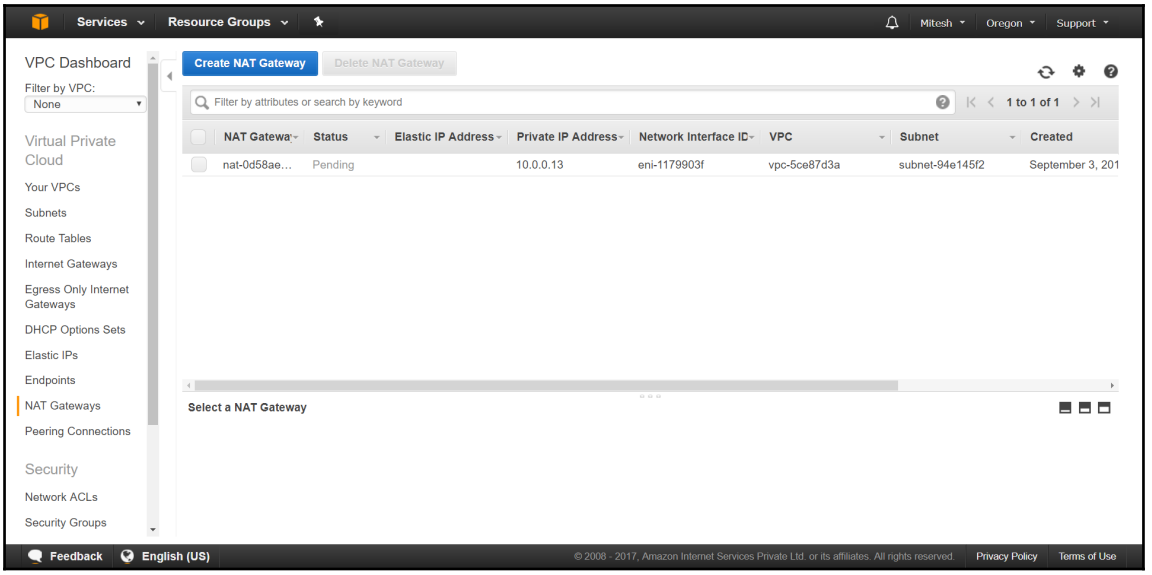
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NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create NAT Gateway
Delete NAT Gateway
Filter by attributes or search by keyword
1 to 1 of 1
NAT Gatewa
Status
Elastic IP Address
Private IP Address
Network Interface ID
VPC
Subnet
Created
nat-0d58ae...
Pending
10.0.0.13
eni-1179903f
vpc-5ce87d3a
subnet-94e145f2
September 3, 201
Select a NAT Gateway
Feedback
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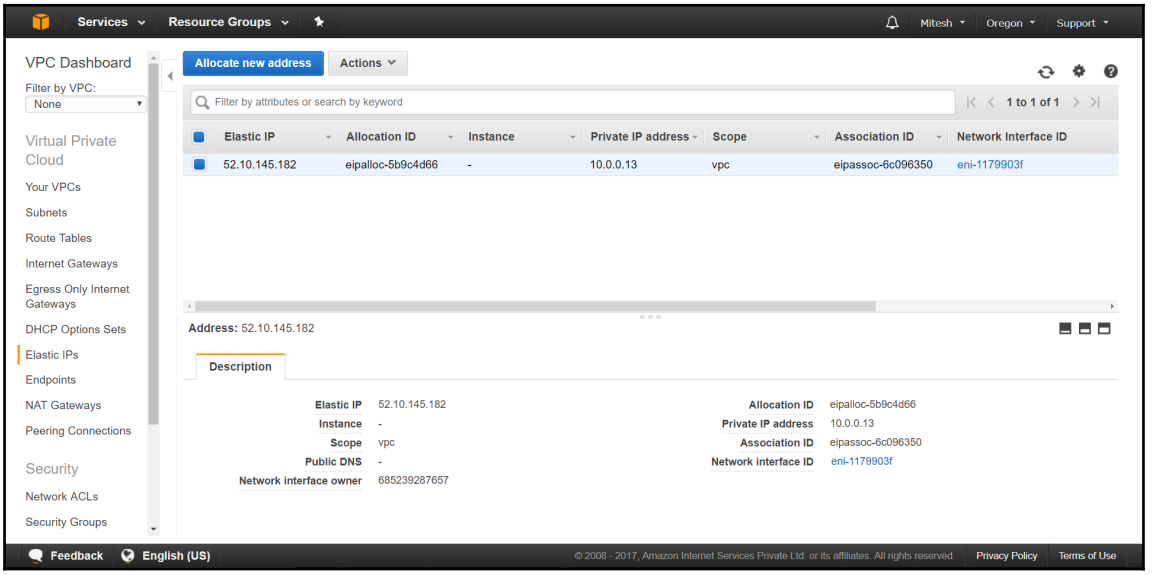
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DHCP Options Sets
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NAT Gateways
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Security
Network ACLs
Security Groups
Allocate new address
Actions
Filter by attributes or search by keyword
1 to 1 of 1
Elastic IP
Allocation ID
Instance
Private IP address
Scope
Association ID
Network Interface ID
52.10.145.182
eipalloc-5b9c4d66
-
10.0.0.13
vpc
eipassoc-6c096350
eni-1179903f
Address: 52.10.145.182
Description
Elastic IP 52.10.145.182
Instance -
Scope vpc
Public DNS -
Network interface owner 688239287657
Allocation ID eipalloc-5b9c4d66
Private IP address 10.0.0.13
Association ID eipassoc-6c096350
Network interface ID eni-1179903f
Feedback
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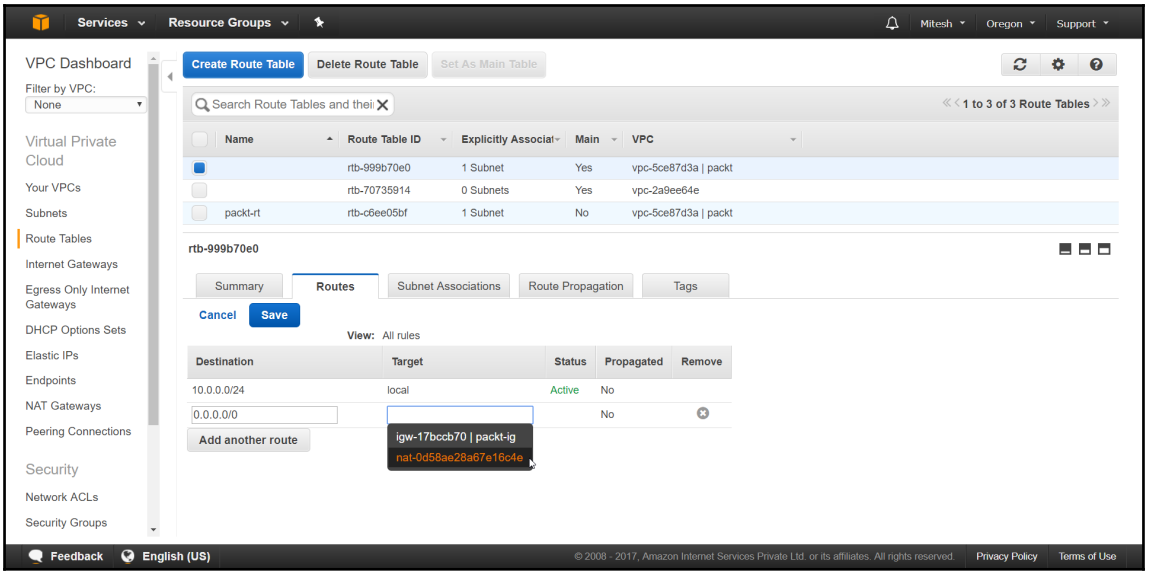
Services
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Mitesh
Oregon
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Filter by VPC:
None
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Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Route Table
Delete Route Table
Set As Main Table
Search Route Tables and thei
1 to 3 of 3 Route Tables
Name
Route Table ID
Explicitly Associat
Main
VPC
rtb-999b70e0
1 Subnet
Yes
vpc-5ce87d3a | packt
rtb-70735914
0 Subnets
Yes
vpc-2a9ee64e
packt-rt
rtb-c6ee05bf
1 Subnet
No
vpc-5ce87d3a | packt
rtb-999b70e0
Summary
Routes
Subnet Associations
Route Propagation
Tags
Cancel
Save
View: All rules
Destination
Target
Status
Propagated
Remove
10.0.0.0/24
local
Active
No
0.0.0.0/0
No
Add another route
igw-17bccb70 | packt-ig
nat-0d58ae28a67e16c4e
Feedback
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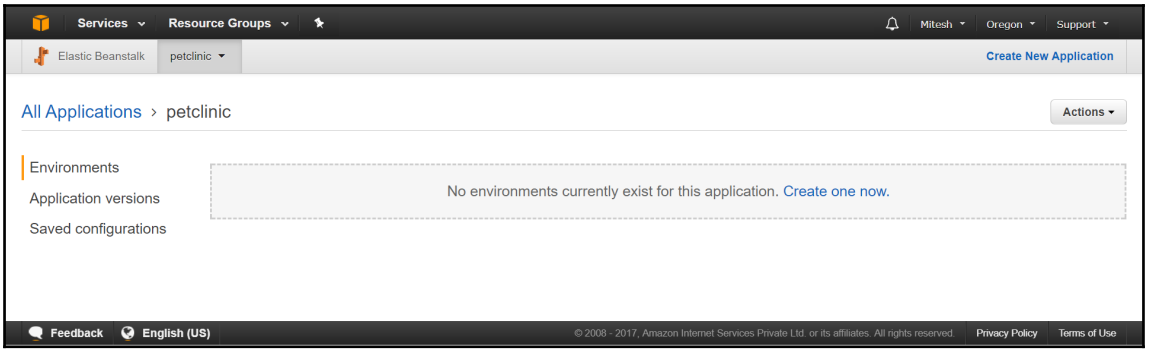
Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications
petclinic
Actions
Environments
Application versions
Saved configurations
No environments currently exist for this application. Create one now.
Feedback
English (US)
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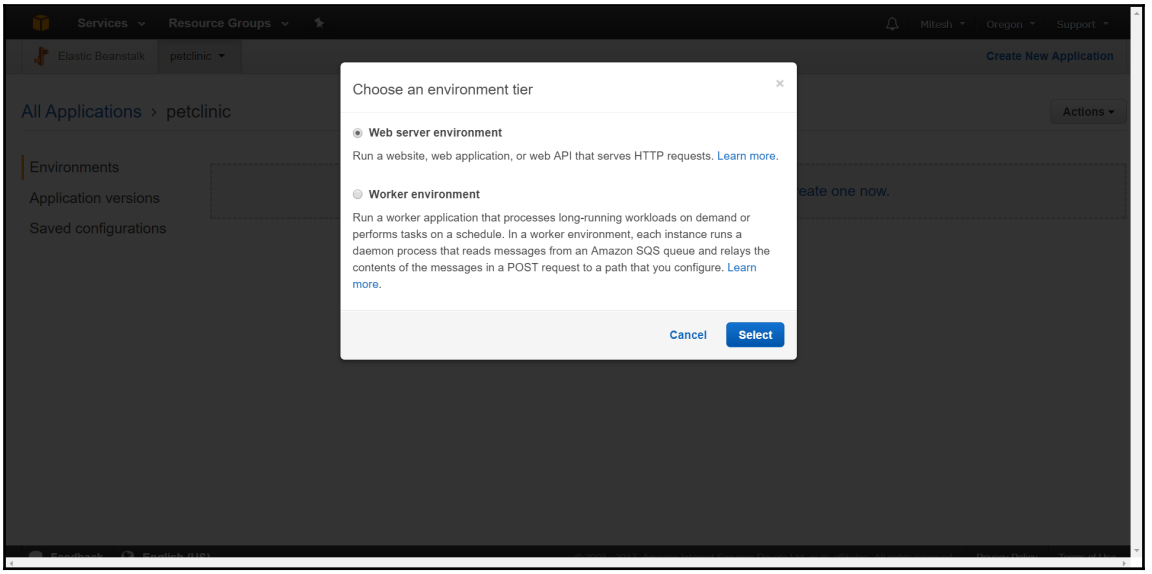
Services
Resource Groups
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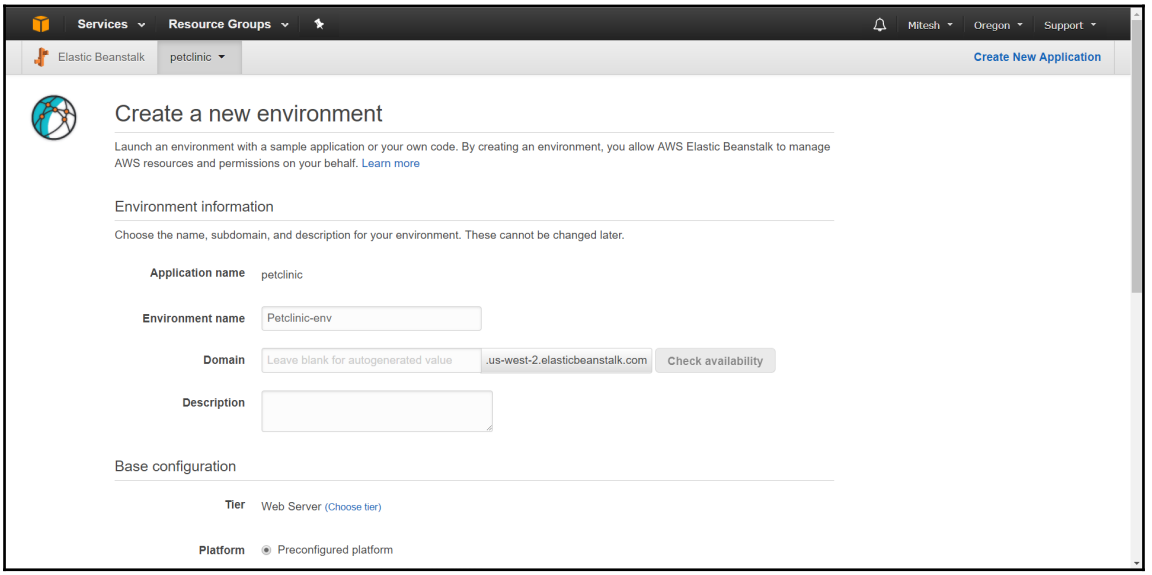
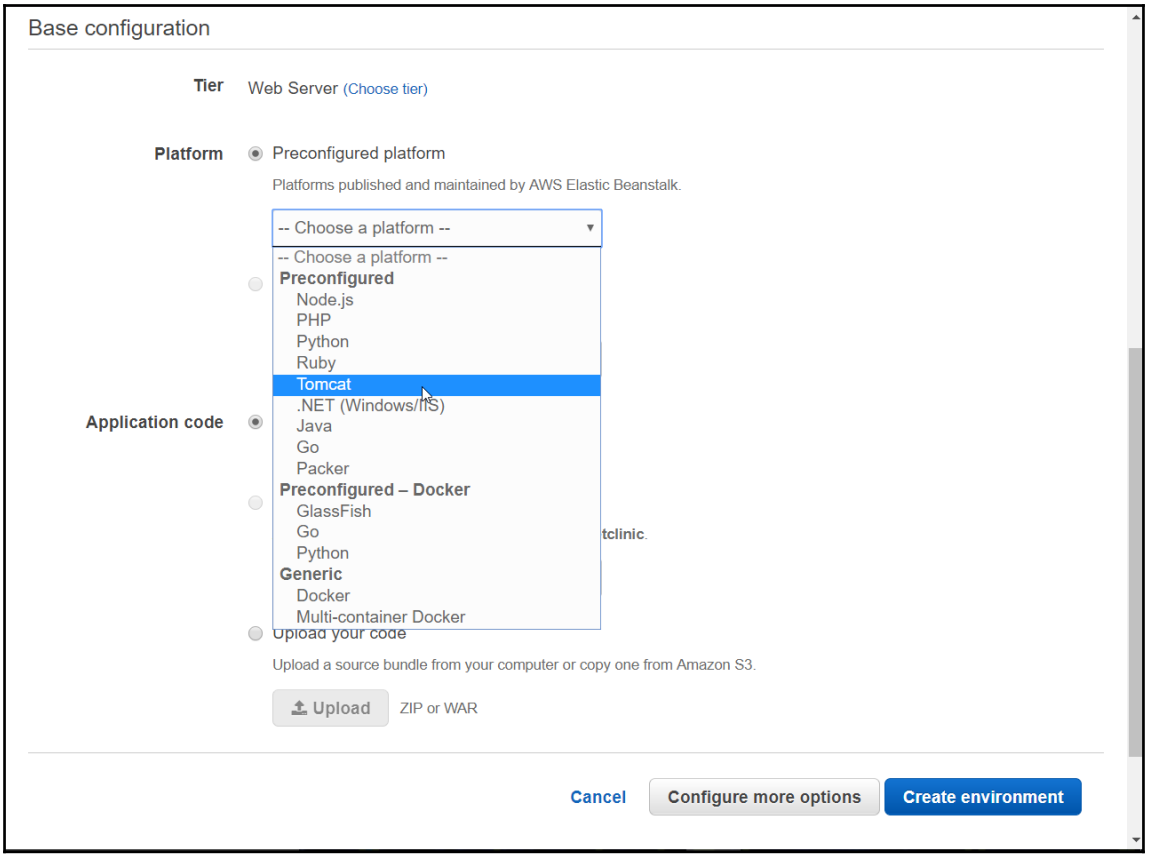
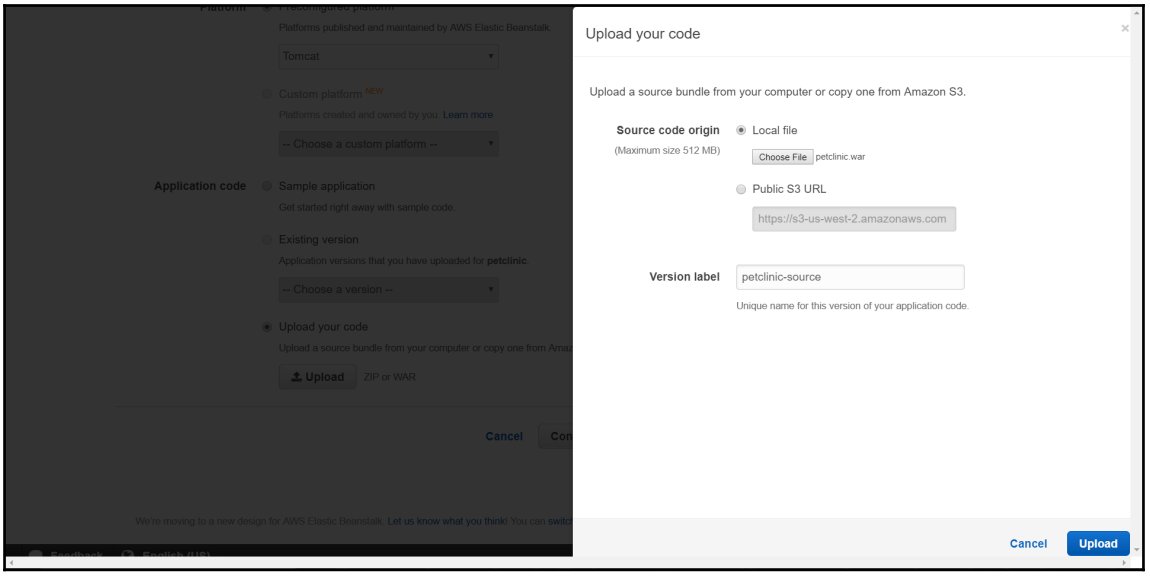
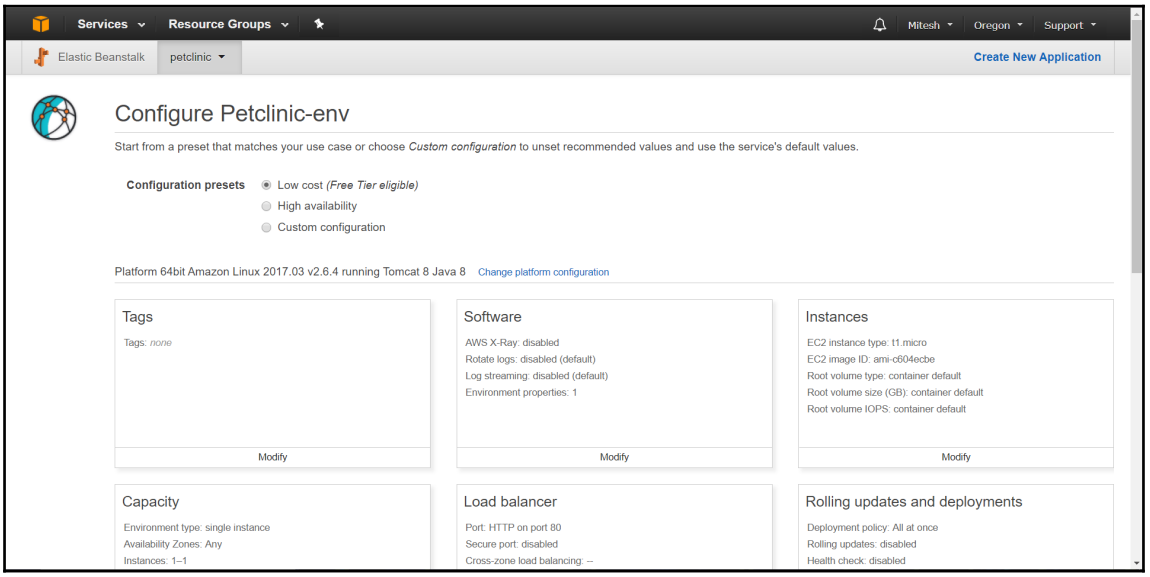
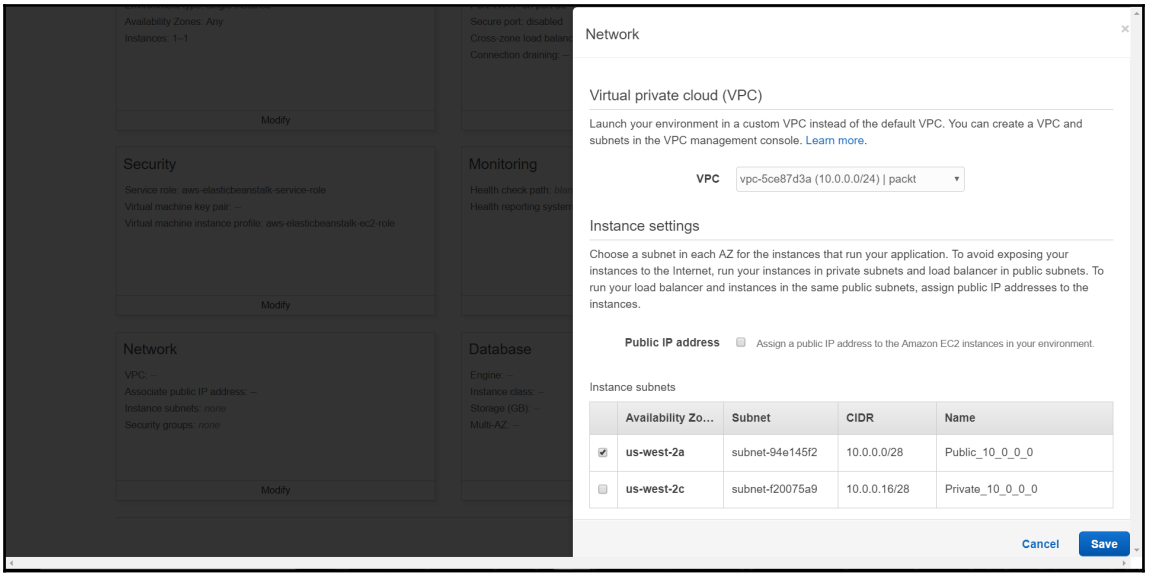
petclinic
Create New Application
All Applications › petclinic
Actions
Environments
Application versions
Saved configurations
Choose an environment tier
Web server environment
Run a website, web application, or web API that serves HTTP requests. Learn more.
Worker environment
Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. In a worker environment, each instance runs a daemon process that reads messages from an Amazon SQS queue and relays the contents of the messages in a POST request to a path that you configure. Learn more.
Cancel
Select

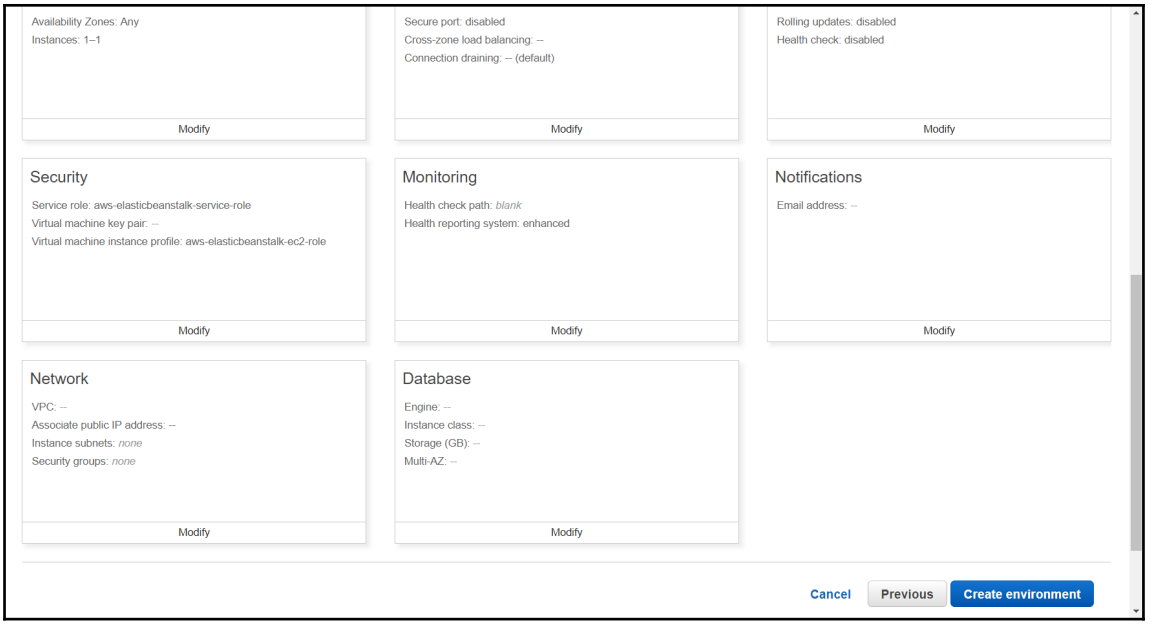

Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
Create a new environment
Launch an environment with a sample application or your own code. By creating an environment, you allow AWS Elastic Beanstalk to manage AWS resources and permissions on your behalf. Learn more
Environment information
Choose the name, subdomain, and description for your environment. These cannot be changed later.
Application name
petclinic
Environment name
Petclinic-env
Domain
Leave blank for autogenerated value
.us-west-2.elasticbeanstalk.com
Check availability
Description
Base configuration
Tier
Web Server (Choose tier)
Platform
Preconfigured platform

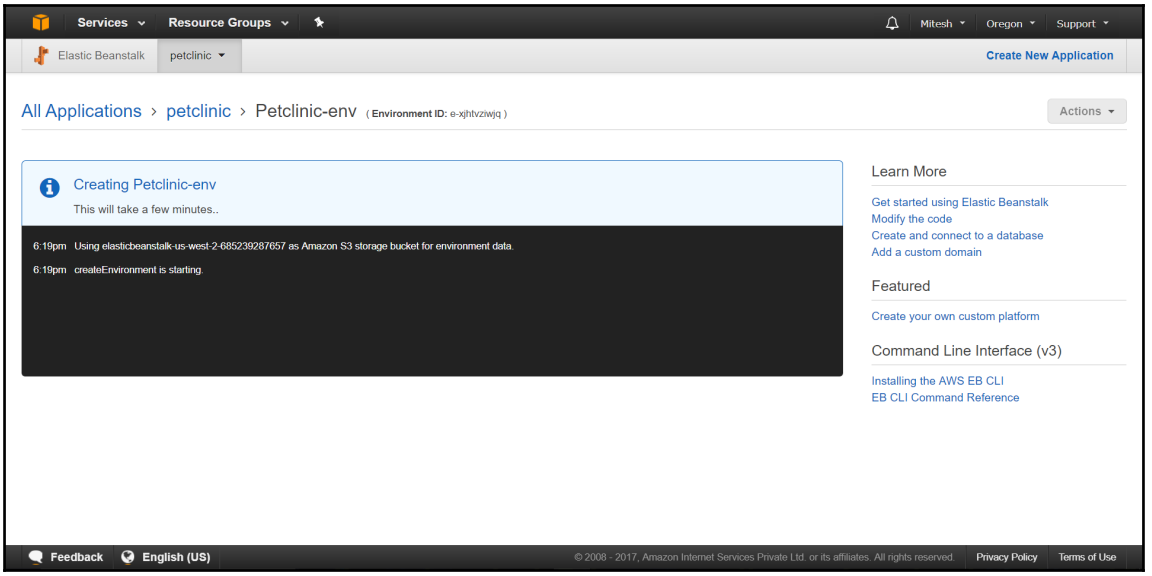

Base configuration
Tier
Web Server (Choose tier)
Platform
Preconfigured platform
Platforms published and maintained by AWS Elastic Beanstalk.
-- Choose a platform --
-- Choose a platform --
Preconfigured
Node.js
PHP
Python
Ruby
Tomcat
.NET (Windows/IIS)
Java
Go
Packer
Preconfigured – Docker
GlassFish
Go
Python
Generic
Docker
Multi-container Docker
Application code
tclinic.
Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.
Upload
ZIP or WAR
Cancel
Configure more options
Create environment


Platform
Platforms published and maintained by AWS Elastic Beanstalk.
Tomcat
Custom platform NEW
Platforms created and owned by you. Learn more
-- Choose a custom platform --
Application code
Sample application
Get started right away with sample code.
Existing version
Application versions that you have uploaded for petclinic.
-- Choose a version --
Upload your code
Upload a source bundle from your computer or copy one from Amaz
Upload
ZIP or WAR
Cancel
We're moving to a new design for AWS Elastic Beanstalk. Let us know what you think! You can switch
Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.
Source code origin
(Maximum size 512 MB)
Local file
Choose File
petclinic.war
Public S3 URL
https://s3-us-west-2.amazonaws.com
Version label
petclinic-source
Unique name for this version of your application code.
Cancel
Upload


Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
Configure Petclinic-env
Start from a preset that matches your use case or choose Custom configuration to unset recommended values and use the service's default values.
Configuration presets
Low cost (Free Tier eligible)
High availability
Custom configuration
Platform 64bit Amazon Linux 2017.03 v2.6.4 running Tomcat 8 Java 8
Change platform configuration
Tags
Tags: none
Modify
Software
AWS X-Ray: disabled
Rotate logs: disabled (default)
Log streaming: disabled (default)
Environment properties: 1
Modify
Instances
EC2 instance type: t1.micro
EC2 image ID: ami-c604ecbe
Root volume type: container default
Root volume size (GB): container default
Root volume IOPS: container default
Modify
Capacity
Environment type: single instance
Availability Zones: Any
Instances: 1–1
Load balancer
Port: HTTP on port 80
Secure port: disabled
Cross-zone load balancing: --
Rolling updates and deployments
Deployment policy: All at once
Rolling updates: disabled
Health check: disabled


Availability Zones: Any
Instances: 1–1
Modify
Security
Service role: aws-elasticbeanstalk-service-role
Virtual machine key pair: --
Virtual machine instance profile: aws-elasticbeanstalk-ec2-role
Modify
Network
VPC: --
Associate public IP address: --
Instance subnets: none
Security groups: none
Modify
Monitoring
Health check path: blank
Health reporting system:
Database
Engine: --
Instance class: --
Storage (GB): --
Multi-AZ: --
Network
Virtual private cloud (VPC)
Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. Learn more.
VPC
vpc-5ce87d3a (10.0.0.0/24) | packt
Instance settings
Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances.
Public IP address
Assign a public IP address to the Amazon EC2 instances in your environment.
Instance subnets
Availability Zo...
Subnet
CIDR
Name
us-west-2a
subnet-94e145f2
10.0.0.0/28
Public_10_0_0_0
us-west-2c
subnet-f20075a9
10.0.0.16/28
Private_10_0_0_0
Cancel
Save


Availability Zones: Any
Instances: 1–1
Modify
Secure port: disabled
Cross-zone load balancing: --
Connection draining: -- (default)
Modify
Rolling updates: disabled
Health check: disabled
Modify
Security
Service role: aws-elasticbeanstalk-service-role
Virtual machine key pair: --
Virtual machine instance profile: aws-elasticbeanstalk-ec2-role
Modify
Monitoring
Health check path: blank
Health reporting system: enhanced
Modify
Notifications
Email address: --
Modify
Network
VPC: --
Associate public IP address: --
Instance subnets: none
Security groups: none
Modify
Database
Engine: --
Instance class: --
Storage (GB): --
Multi-AZ: --
Modify
Cancel
Previous
Create environment


Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › Petclinic-env (Environment ID: e-xjhtvziwjq)
Actions
Creating Petclinic-env
This will take a few minutes..
6:19pm Using elasticbeanstalk-us-west-2-685239287657 as Amazon S3 storage bucket for environment data.
6:19pm createEnvironment is starting.
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Featured
Create your own custom platform
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference
Feedback
English (US)
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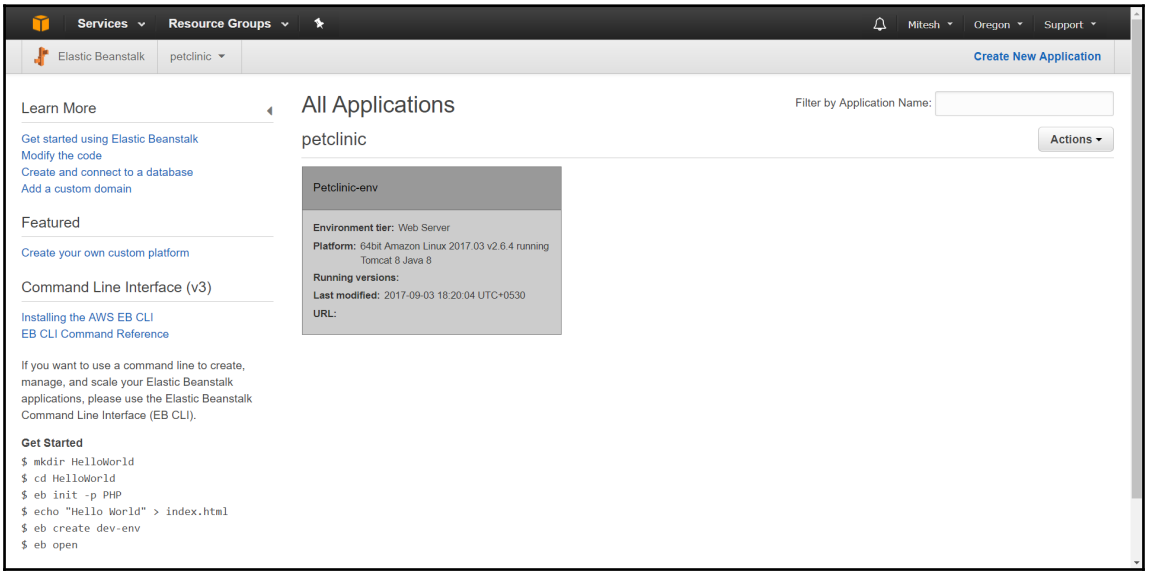
Services
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petclinic
Create New Application
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
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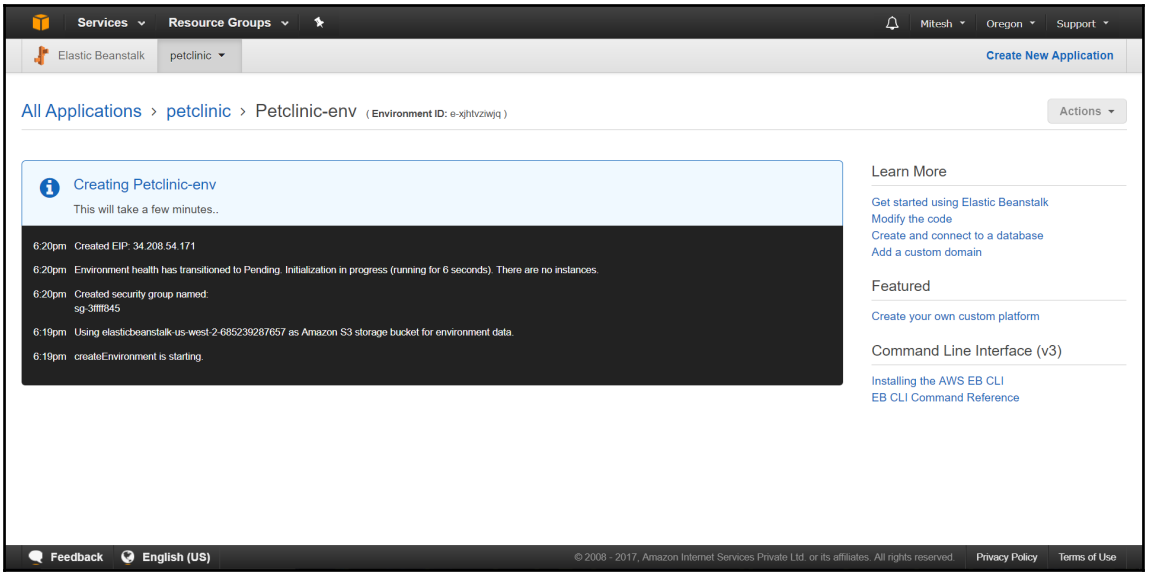
Create your own custom platform
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference
If you want to use a command line to create, manage, and scale your Elastic Beanstalk applications, please use the Elastic Beanstalk Command Line Interface (EB CLI).
Get Started
$ mkdir HelloWorld
$ cd HelloWorld
$ eb init -p PHP
$ echo "Hello World" > index.html
$ eb create dev-env
$ eb open
All Applications
Filter by Application Name:
petclinic
Actions
Petclinic-env
Environment tier: Web Server
Platform: 64bit Amazon Linux 2017.03 v2.6.4 running Tomcat 8 Java 8
Running versions:
Last modified: 2017-09-03 18:20:04 UTC+0530
URL:


Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › Petclinic-env (Environment ID: e-xjhtvziwjq)
Actions
Creating Petclinic-env
This will take a few minutes..
6:20pm Created EIP: 34.208.54.171
6:20pm Environment health has transitioned to Pending. Initialization in progress (running for 6 seconds). There are no instances.
6:20pm Created security group named: sg-3ffff845
6:19pm Using elasticbeanstalk-us-west-2-685239287657 as Amazon S3 storage bucket for environment data.
6:19pm createEnvironment is starting.
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Featured
Create your own custom platform
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Installing the AWS EB CLI
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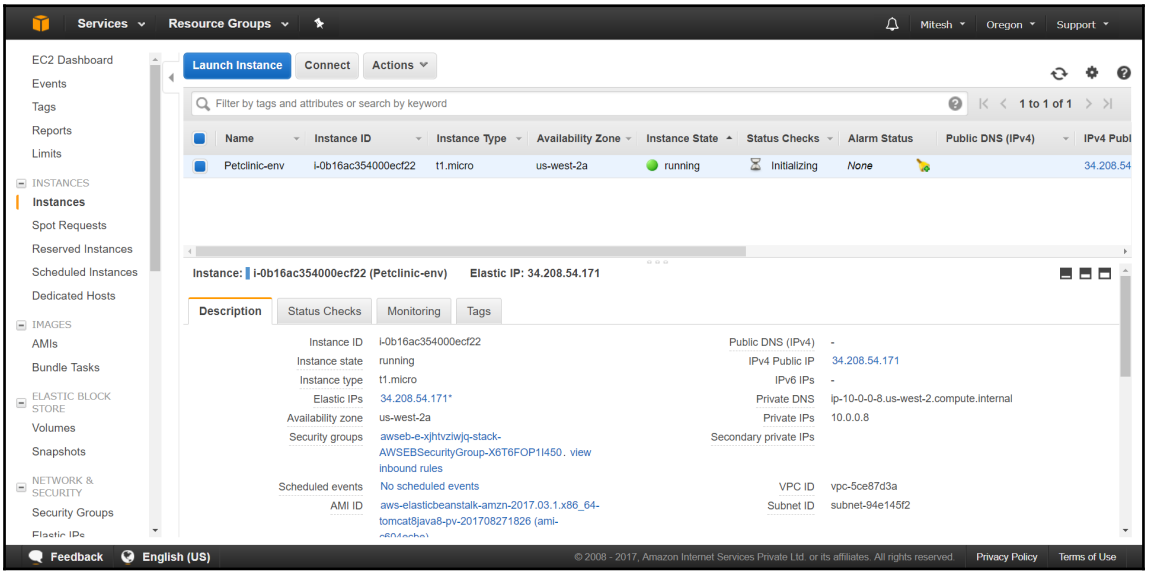
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
Petclinic-env
i-0b16ac354000ecf22
t1.micro
us-west-2a
running
Initializing
None
Instance: i-0b16ac354000ecf22 (Petclinic-env)
Elastic IP: 34.208.54.171
Description
Status Checks
Monitoring
Tags
Instance ID
i-0b16ac354000ecf22
Instance state
running
Instance type
t1.micro
Elastic IPs
34.208.54.171*
Availability zone
us-west-2a
Security groups
awseb-e-xjhtvziwjq-stack-AWSEBSecurityGroup-X6T6FOP1I450. view inbound rules
Scheduled events
No scheduled events
AMI ID
aws-elasticbeanstalk-amzn-2017.03.1.x86_64-tomcat8java8-pv-201708271826 (ami-
Public DNS (IPv4)
IPv4 Public IP
34.208.54.171
IPv6 IPs
Private DNS
ip-10-0-0-8.us-west-2.compute.internal
Private IPs
10.0.0.8
Secondary private IPs
VPC ID
vpc-5ce87d3a
Subnet ID
subnet-94e145f2
Feedback
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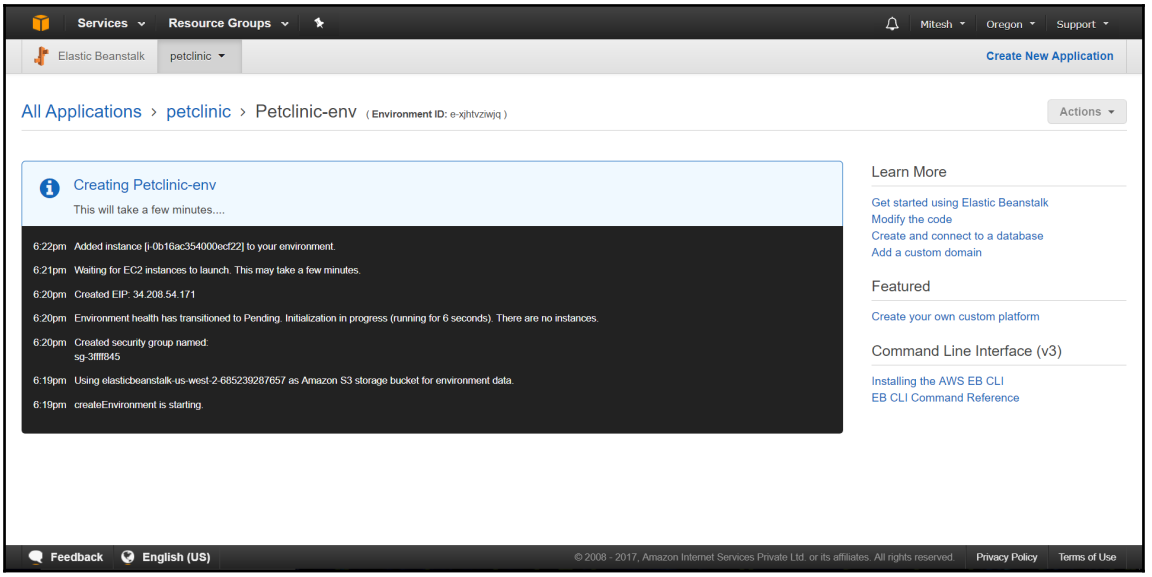
Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › Petclinic-env (Environment ID: e-xjhtvziwjq)
Actions
Creating Petclinic-env
This will take a few minutes....
6:22pm Added instance [i-0b16ac354000ecf22] to your environment.
6:21pm Waiting for EC2 instances to launch. This may take a few minutes.
6:20pm Created EIP: 34.208.54.171
6:20pm Environment health has transitioned to Pending. Initialization in progress (running for 6 seconds). There are no instances.
6:20pm Created security group named: sg-3ffff845
6:19pm Using elasticbeanstalk-us-west-2-685239287657 as Amazon S3 storage bucket for environment data.
6:19pm createEnvironment is starting.
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Featured
Create your own custom platform
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference
Feedback
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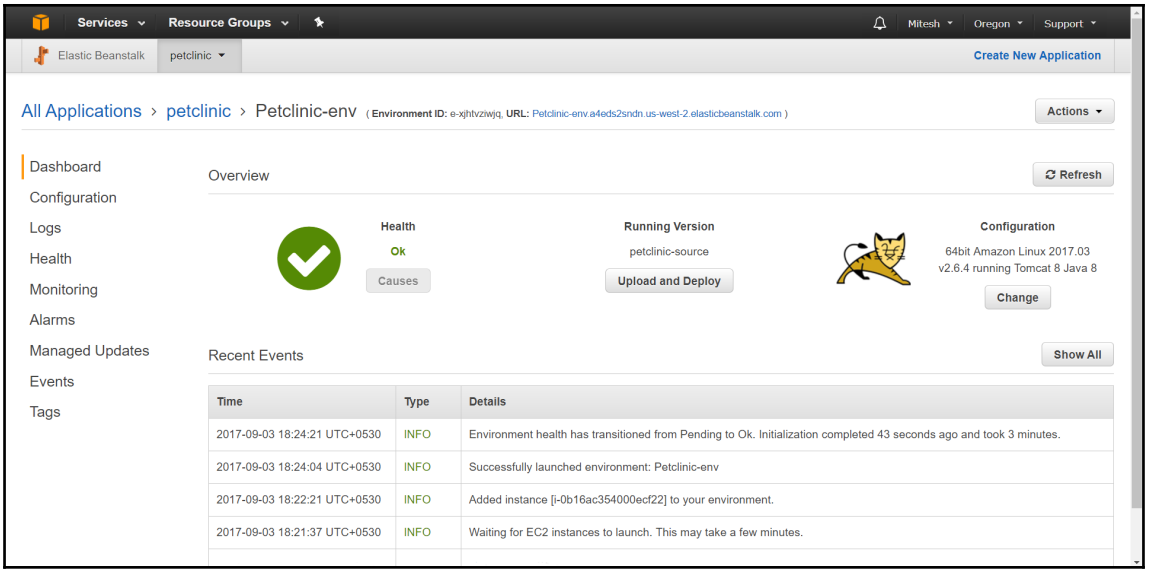
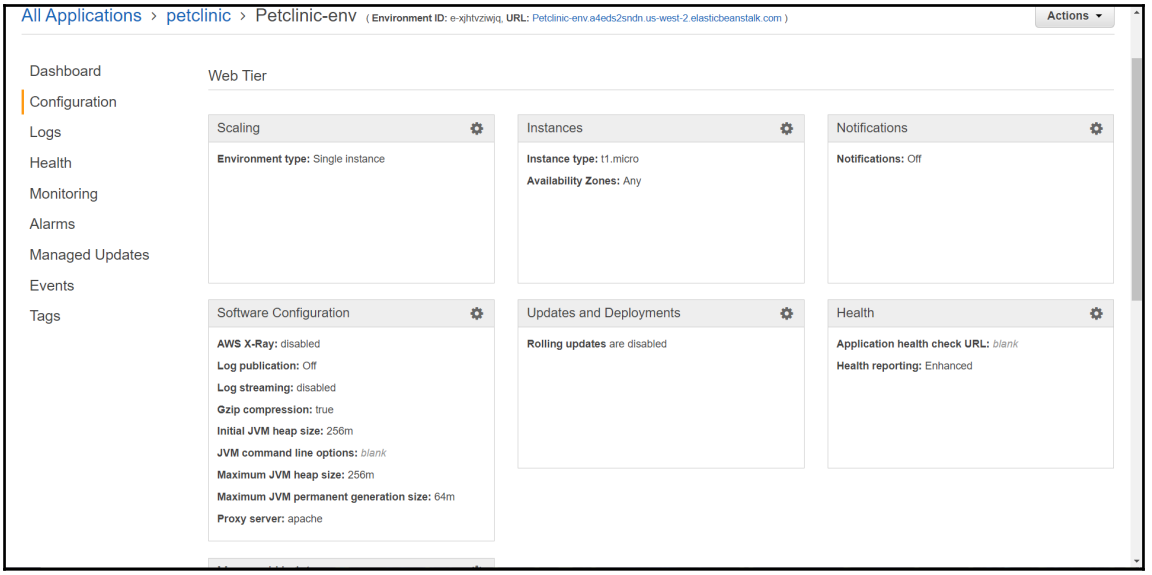
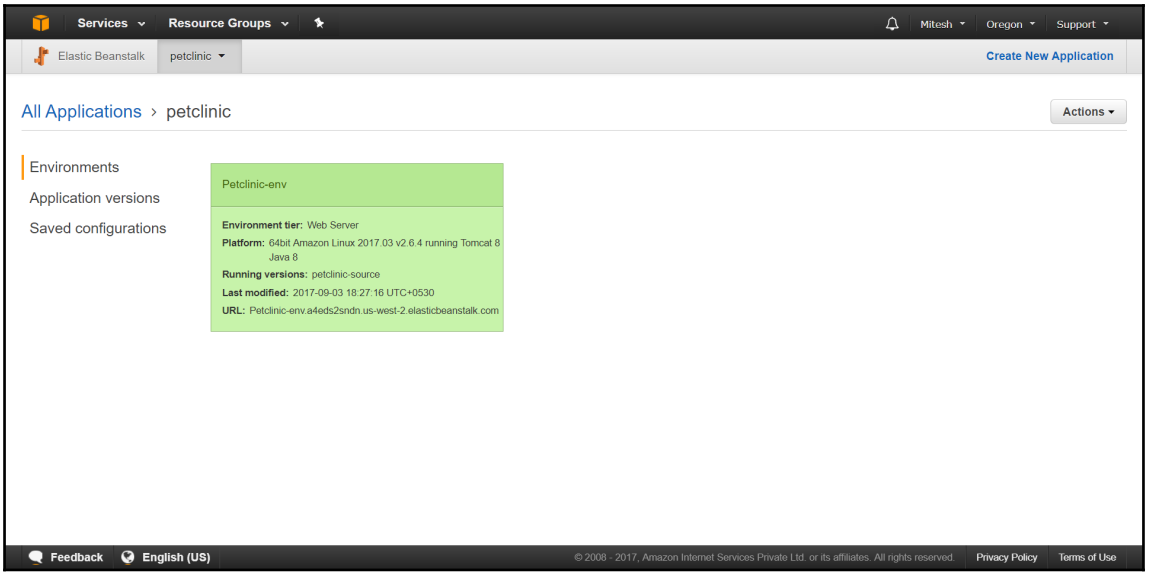

Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › Petclinic-env (Environment ID: e-xjhtvziwjq, URL: Petclinic-env.a4eds2sndn.us-west-2.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates
Events
Tags
Overview
Refresh
Health
Ok
Causes
Running Version
petclinic-source
Upload and Deploy
Configuration
64bit Amazon Linux 2017.03
v2.6.4 running Tomcat 8 Java 8
Change
Recent Events
Show All
Time
Type
Details
2017-09-03 18:24:21 UTC+0530
INFO
Environment health has transitioned from Pending to Ok. Initialization completed 43 seconds ago and took 3 minutes.
2017-09-03 18:24:04 UTC+0530
INFO
Successfully launched environment: Petclinic-env
2017-09-03 18:22:21 UTC+0530
INFO
Added instance [i-0b16ac354000ecf22] to your environment.
2017-09-03 18:21:37 UTC+0530
INFO
Waiting for EC2 instances to launch. This may take a few minutes.


All Applications › petclinic › Petclinic-env (Environment ID: e-xjhtvziwjq, URL: Petclinic-env.a4eds2sndn.us-west-2.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates
Events
Tags
Web Tier
Scaling
Environment type: Single instance
Instances
Instance type: t1.micro
Availability Zones: Any
Notifications
Notifications: Off
Software Configuration
AWS X-Ray: disabled
Log publication: Off
Log streaming: disabled
Gzip compression: true
Initial JVM heap size: 256m
JVM command line options: blank
Maximum JVM heap size: 256m
Maximum JVM permanent generation size: 64m
Proxy server: apache
Updates and Deployments
Rolling updates are disabled
Health
Application health check URL: blank
Health reporting: Enhanced


Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic
Actions
Environments
Application versions
Saved configurations
Petclinic-env
Environment tier: Web Server
Platform: 64bit Amazon Linux 2017.03 v2.6.4 running Tomcat 8 Java 8
Running versions: petclinic-source
Last modified: 2017-09-03 18:27:16 UTC+0530
URL: Petclinic-env.a4eds2sndn.us-west-2.elasticbeanstalk.com
Feedback
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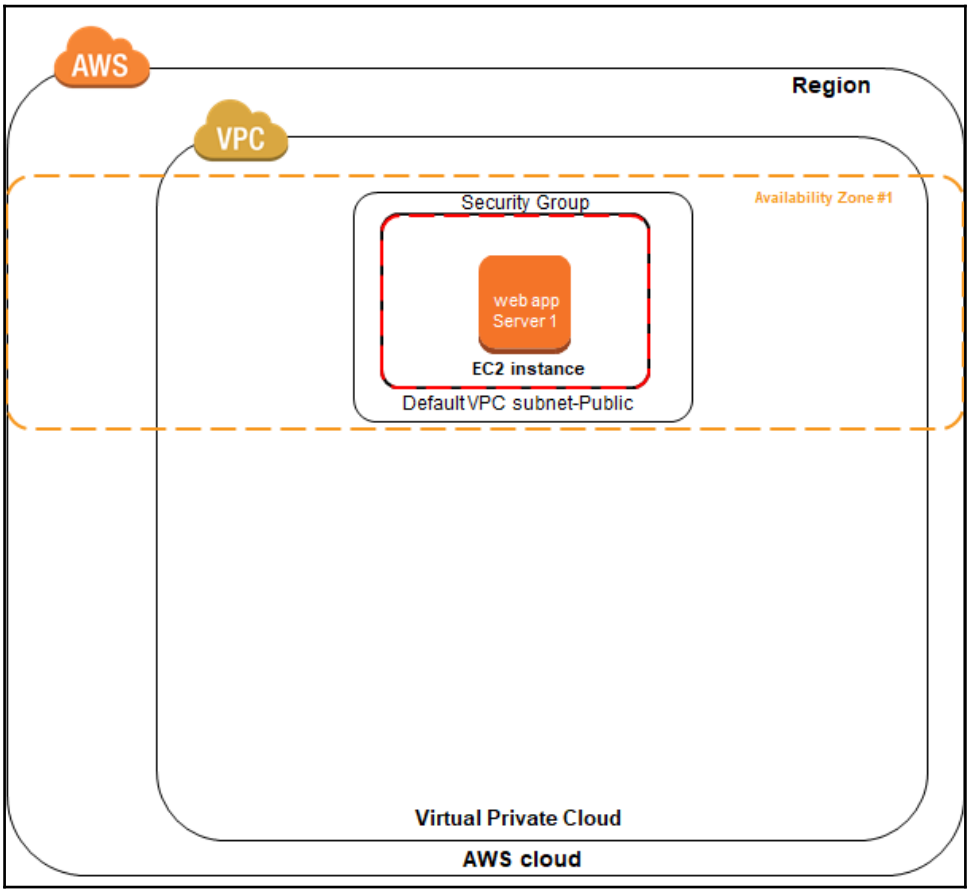
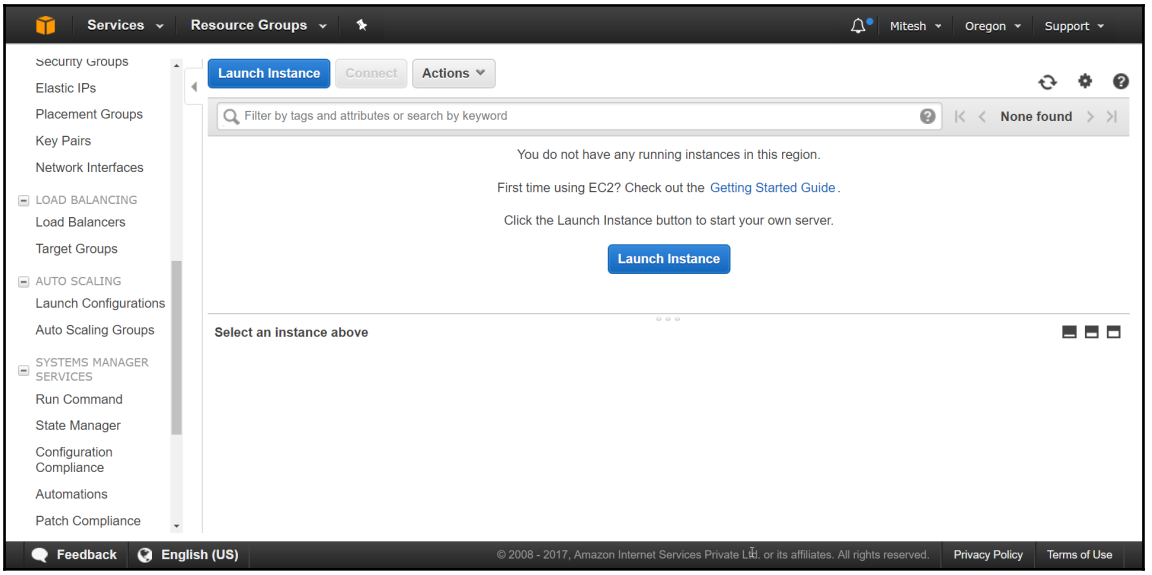
Chapter 3: Elastic Load Balancing




Services
Resource Groups
Mitesh
Oregon
Support
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Configuration Compliance
Automations
Patch Compliance
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
None found
You do not have any running instances in this region.
First time using EC2? Check out the Getting Started Guide.
Click the Launch Instance button to start your own server.
Launch Instance
Select an instance above
Feedback
English (US)
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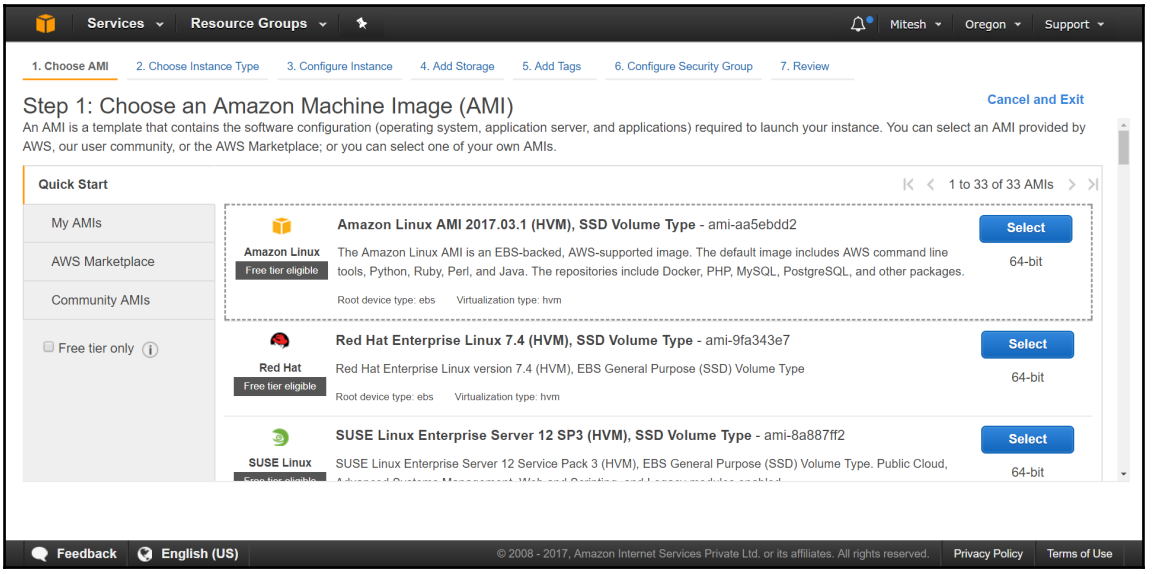
Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.
Quick Start
1 to 33 of 33 AMIs
My AMIs
AWS Marketplace
Community AMIs
Free tier only
Amazon Linux AMI 2017.03.1 (HVM), SSD Volume Type - ami-aa5ebdd2
Amazon Linux
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs
Virtualization type: hvm
Select
64-bit
Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type - ami-9fa343e7
Red Hat
Free tier eligible
Red Hat Enterprise Linux version 7.4 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs
Virtualization type: hvm
Select
64-bit
SUSE Linux Enterprise Server 12 SP3 (HVM), SSD Volume Type - ami-8a887ff2
SUSE Linux
SUSE Linux Enterprise Server 12 Service Pack 3 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud,
Select
64-bit
Feedback
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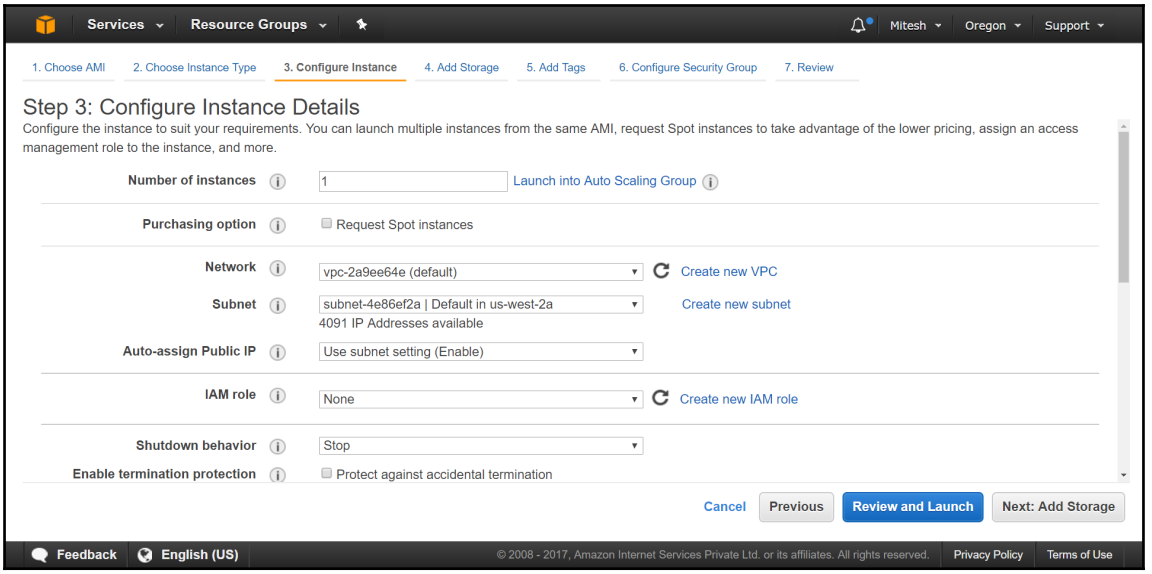
Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-2a9ee64e (default)
Create new VPC
Subnet
subnet-4e86ef2a | Default in us-west-2a
4091 IP Addresses available
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
IAM role
None
Create new IAM role
Shutdown behavior
Stop
Enable termination protection
Protect against accidental termination
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
English (US)
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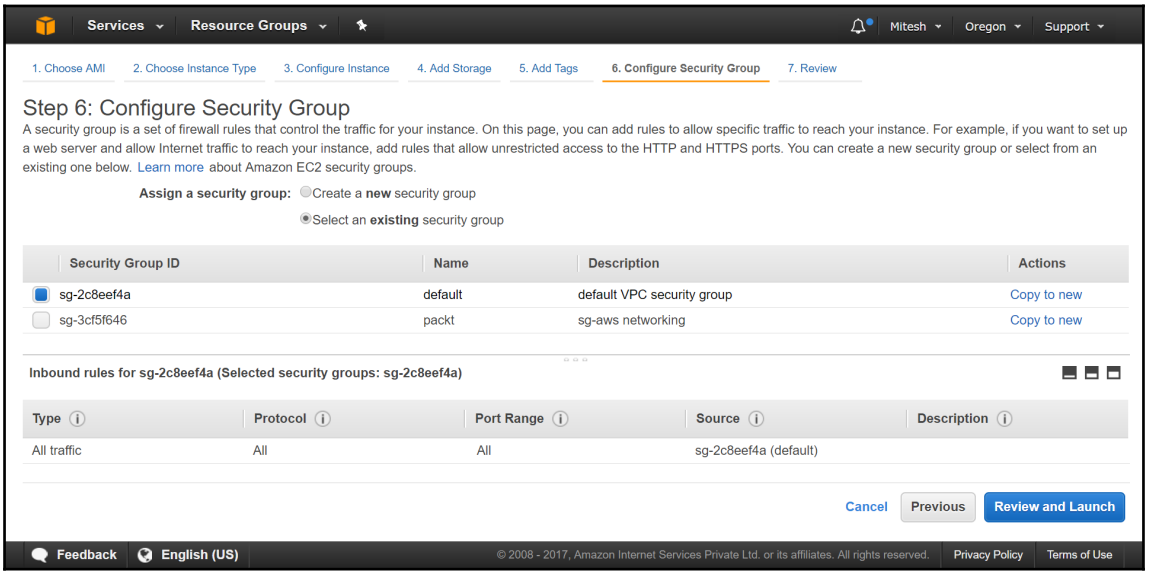
Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group:
Create a new security group
Select an existing security group
Security Group ID
Name
Description
Actions
sg-2c8eef4a
default
default VPC security group
Copy to new
sg-3cf5f646
packt
sg-aws networking
Copy to new
Inbound rules for sg-2c8eef4a (Selected security groups: sg-2c8eef4a)
Type
Protocol
Port Range
Source
Description
All traffic
All
All
sg-2c8eef4a (default)
Cancel
Previous
Review and Launch
Feedback
English (US)
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Privacy Policy
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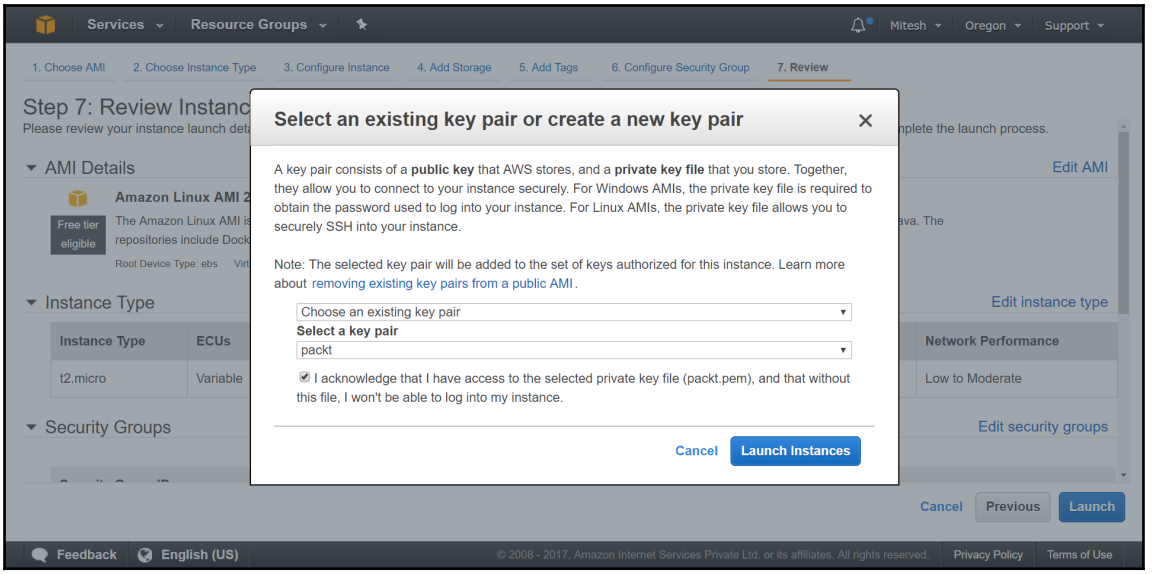
Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instanc
Please review your instance launch deta
nplete the launch process.
AMI Details
Edit AMI
Amazon Linux AMI 2
Free tier eligible
The Amazon Linux AMI is
repositories include Dock
ava. The
Root Device Type: ebs
Instance Type
Edit instance type
Instance Type
ECUs
Network Performance
t2.micro
Variable
Low to Moderate
Security Groups
Edit security groups
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Choose an existing key pair
Select a key pair
packt
I acknowledge that I have access to the selected private key file (packt.pem), and that without this file, I won't be able to log into my instance.
Cancel
Launch Instances
Cancel
Previous
Launch
Feedback
English (US)
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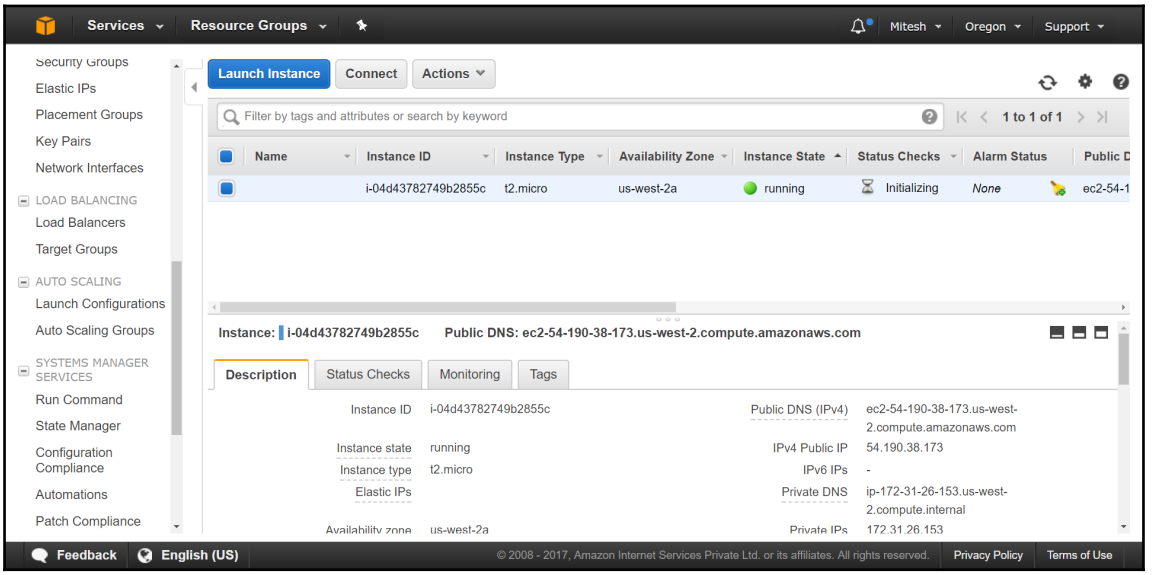
Terms of Use


Services
Resource Groups
Mitesh
Oregon
Support
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Configuration Compliance
Automations
Patch Compliance
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public D
i-04d43782749b2855c
t2.micro
us-west-2a
running
Initializing
None
ec2-54-1
Instance: i-04d43782749b2855c
Public DNS: ec2-54-190-38-173.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-04d43782749b2855c
Instance state
running
Instance type
t2.micro
Elastic IPs
Availability zone
us-west-2a
Public DNS (IPv4)
ec2-54-190-38-173.us-west-2.compute.amazonaws.com
IPv4 Public IP
54.190.38.173
IPv6 IPs
-
Private DNS
ip-172-31-26-153.us-west-2.compute.internal
Private IPs
172.31.26.153
Feedback
English (US)
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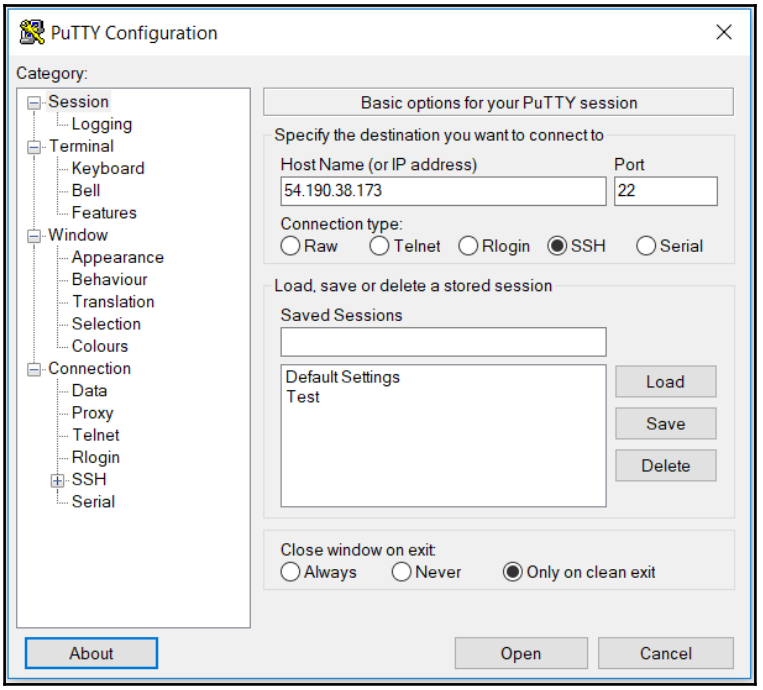
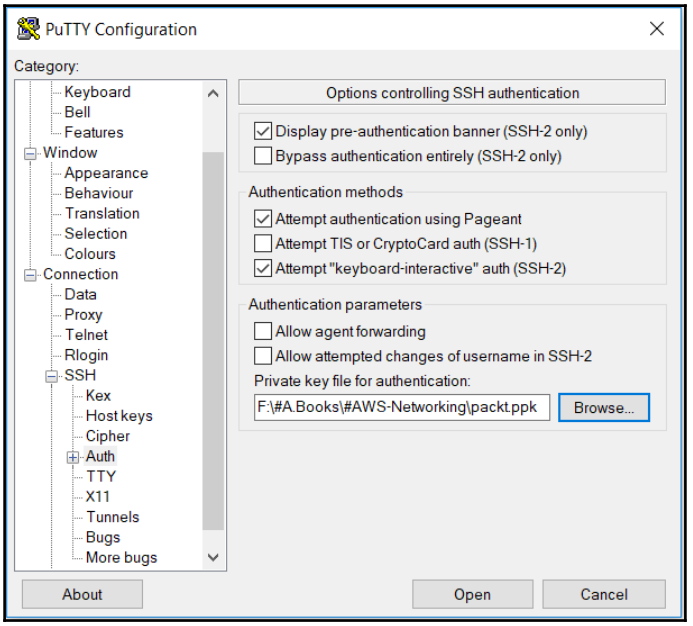
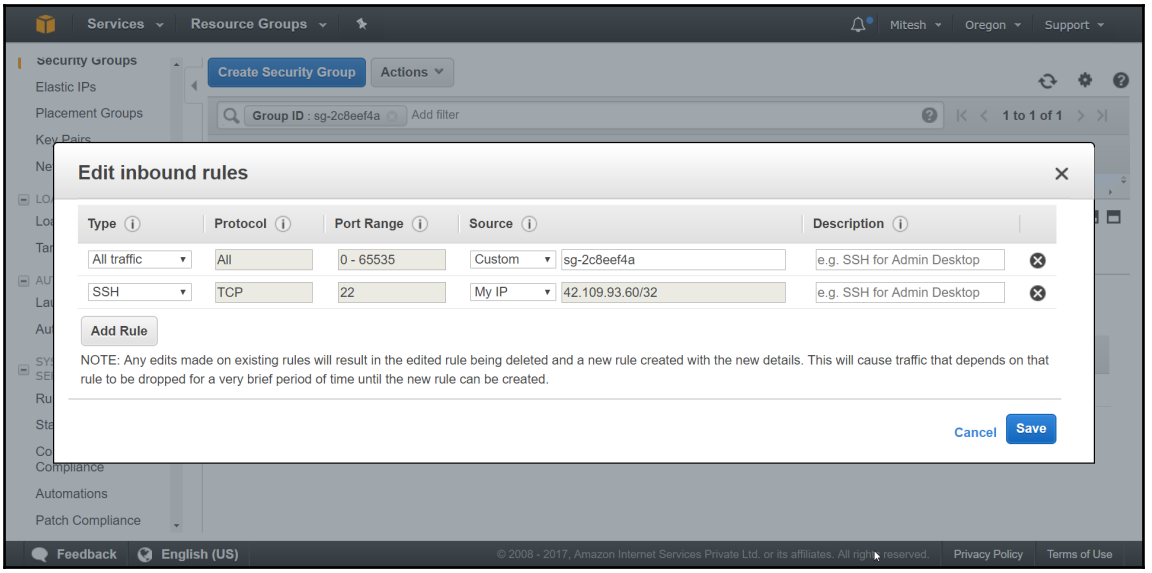
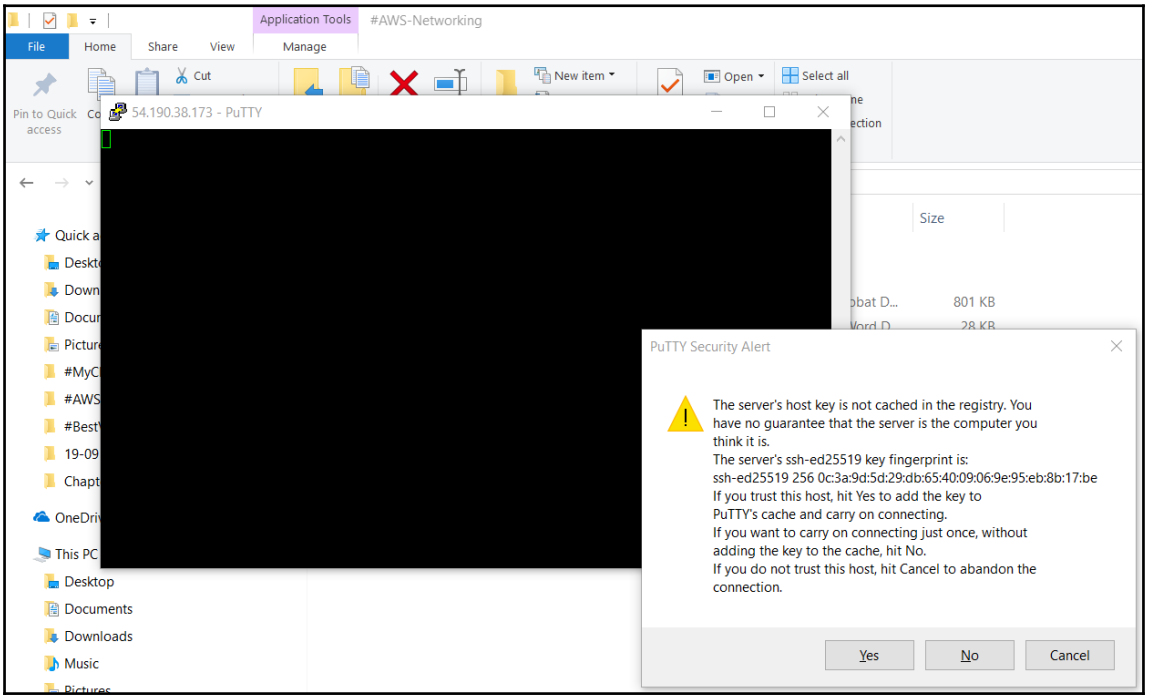
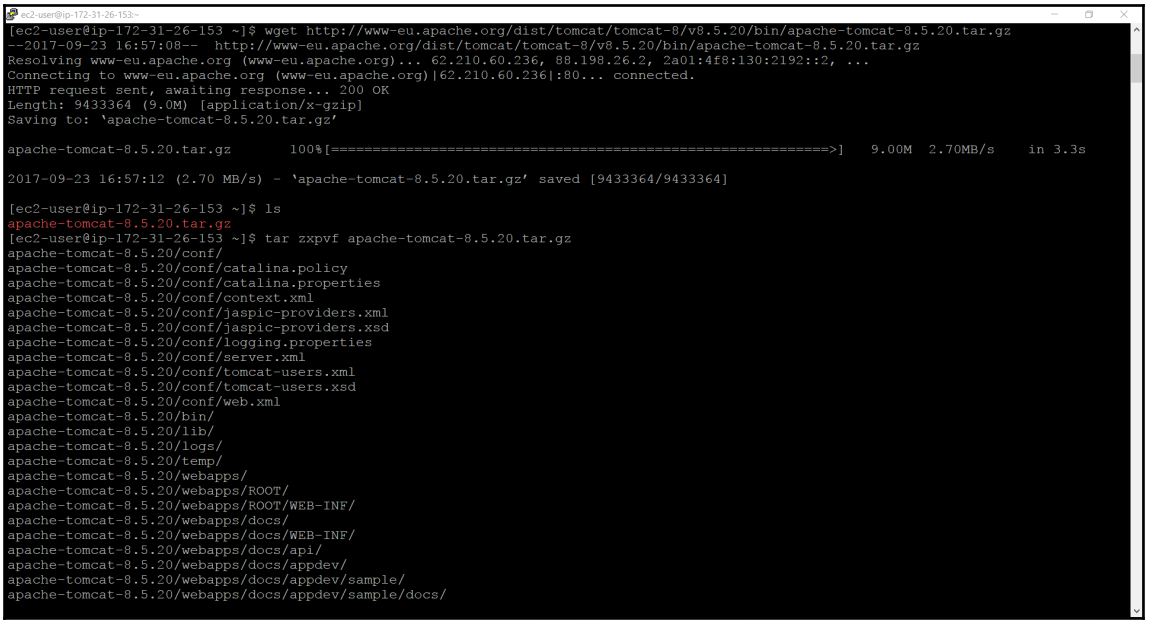
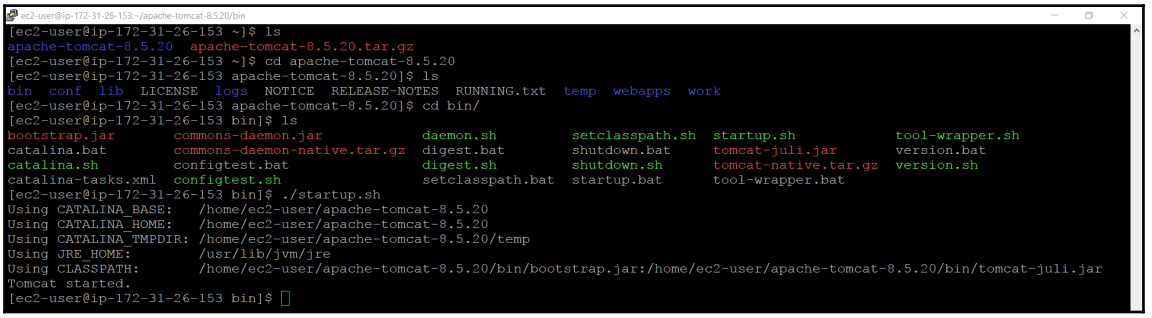

PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Serial
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
54.190.38.173
22
Connection type:
Raw
Telnet
Rlogin
SSH
Serial
Load, save or delete a stored session
Saved Sessions
Default Settings
Test
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Open
Cancel

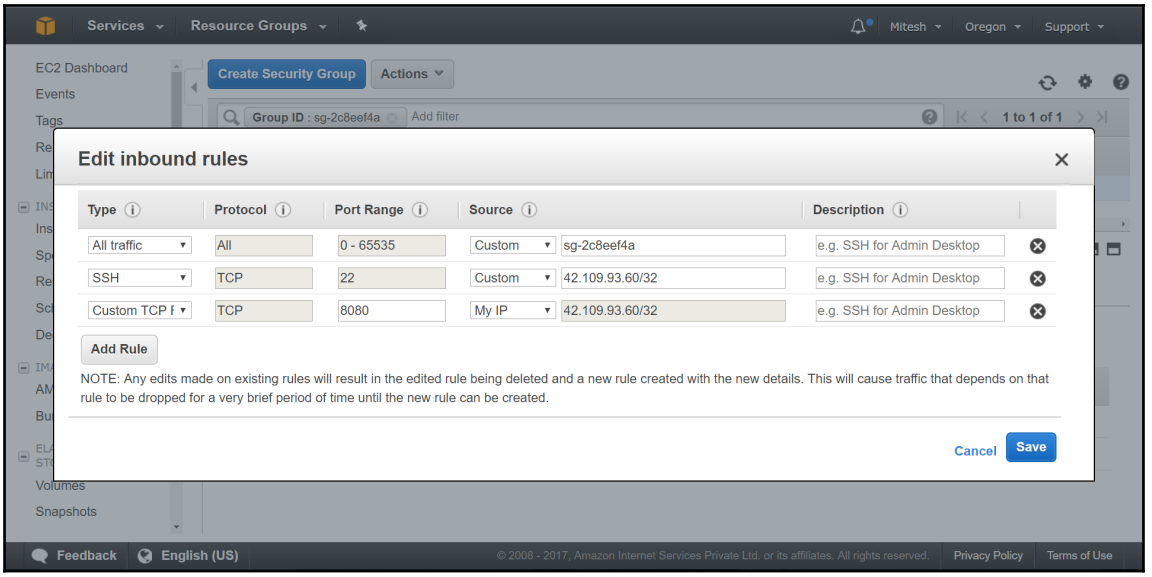

PuTTY Configuration
Category:
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Kex
Host keys
Cipher
Auth
TTY
X11
Tunnels
Bugs
More bugs
Options controlling SSH authentication
Display pre-authentication banner (SSH-2 only)
Bypass authentication entirely (SSH-2 only)
Authentication methods
Attempt authentication using Pageant
Attempt TIS or CryptoCard auth (SSH-1)
Attempt "keyboard-interactive" auth (SSH-2)
Authentication parameters
Allow agent forwarding
Allow attempted changes of username in SSH-2
Private key file for authentication:
F:\#A.Books\#AWS-Networking\packt.ppk
Browse...
About
Open
Cancel


Services
Resource Groups
Mitesh
Oregon
Support
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Elastic IPs
Placement Groups
Automations
Patch Compliance
Feedback
English (US)
Privacy Policy
Terms of Use


Application Tools
#AWS-Networking
File
Home
Share
View
Manage
54.190.38.173 - PuTTY
PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 256 0c:3a:9d:5d:29:db:65:40:09:06:9e:95:eb:8b:17:be
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel
Desktop
Documents
Downloads
Music


ec2-user@ip-172-31-26-153:~
[ec2-user@ip-172-31-26-153 ~]$ wget http://www-eu.apache.org/dist/tomcat/tomcat-8/v8.5.20/bin/apache-tomcat-8.5.20.tar.gz
--2017-09-23 16:57:08-- http://www-eu.apache.org/dist/tomcat/tomcat-8/v8.5.20/bin/apache-tomcat-8.5.20.tar.gz
Resolving www-eu.apache.org (www-eu.apache.org)... 62.210.60.236, 88.198.26.2, 2a01:4f8:130:2192::2, ...
Connecting to www-eu.apache.org (www-eu.apache.org)|62.210.60.236|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9433364 (9.0M) [application/x-gzip]
Saving to: 'apache-tomcat-8.5.20.tar.gz'
apache-tomcat-8.5.20.tar.gz 100%[=>] 9.00M 2.70MB/s in 3.3s
2017-09-23 16:57:12 (2.70 MB/s) - 'apache-tomcat-8.5.20.tar.gz' saved [9433364/9433364]
[ec2-user@ip-172-31-26-153 ~]$ ls
apache-tomcat-8.5.20.tar.gz
[ec2-user@ip-172-31-26-153 ~]$ tar zxpvf apache-tomcat-8.5.20.tar.gz
apache-tomcat-8.5.20/conf/
apache-tomcat-8.5.20/conf/catalina.policy
apache-tomcat-8.5.20/conf/catalina.properties
apache-tomcat-8.5.20/conf/context.xml
apache-tomcat-8.5.20/conf/jaspic-providers.xml
apache-tomcat-8.5.20/conf/jaspic-providers.xsd
apache-tomcat-8.5.20/conf/logging.properties
apache-tomcat-8.5.20/conf/server.xml
apache-tomcat-8.5.20/conf/tomcat-users.xml
apache-tomcat-8.5.20/conf/tomcat-users.xsd
apache-tomcat-8.5.20/conf/web.xml
apache-tomcat-8.5.20/bin/
apache-tomcat-8.5.20/lib/
apache-tomcat-8.5.20/logs/
apache-tomcat-8.5.20/temp/
apache-tomcat-8.5.20/webapps/
apache-tomcat-8.5.20/webapps/ROOT/
apache-tomcat-8.5.20/webapps/ROOT/WEB-INF/
apache-tomcat-8.5.20/webapps/docs/
apache-tomcat-8.5.20/webapps/docs/WEB-INF/
apache-tomcat-8.5.20/webapps/docs/api/
apache-tomcat-8.5.20/webapps/docs/appdev/
apache-tomcat-8.5.20/webapps/docs/appdev/sample/
apache-tomcat-8.5.20/webapps/docs/appdev/sample/docs/


ec2-user@ip-172-31-26-153:~/apache-tomcat-8.5.20/bin
[ec2-user@ip-172-31-26-153 ~]$ ls
apache-tomcat-8.5.20 apache-tomcat-8.5.20.tar.gz
[ec2-user@ip-172-31-26-153 ~]$ cd apache-tomcat-8.5.20
[ec2-user@ip-172-31-26-153 apache-tomcat-8.5.20]$ ls
bin conf lib LICENSE logs NOTICE RELEASE-NOTES RUNNING.txt temp webapps work
[ec2-user@ip-172-31-26-153 apache-tomcat-8.5.20]$ cd bin/
[ec2-user@ip-172-31-26-153 bin]$ ls
bootstrap.jar commons-daemon.jar daemon.sh setclasspath.sh startup.sh tool-wrapper.sh
catalina.bat commons-daemon-native.tar.gz digest.bat shutdown.bat tomcat-juli.jar version.bat
catalina.sh configtest.bat digest.sh shutdown.sh tomcat-native.tar.gz version.sh
catalina-tasks.xml configtest.sh setclasspath.bat startup.bat tool-wrapper.bat
[ec2-user@ip-172-31-26-153 bin]$ ./startup.sh
Using CATALINA_BASE: /home/ec2-user/apache-tomcat-8.5.20
Using CATALINA_HOME: /home/ec2-user/apache-tomcat-8.5.20
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.20/temp
Using JRE_HOME: /usr/lib/jvm/jre
Using CLASSPATH: /home/ec2-user/apache-tomcat-8.5.20/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.20/bin/tomcat-juli.jar
Tomcat started.
[ec2-user@ip-172-31-26-153 bin]$


Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
Custom
42.109.93.60/32
e.g. SSH for Admin Desktop
Custom TCP R
TCP
8080
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Volumes
Snapshots
Feedback
English (US)
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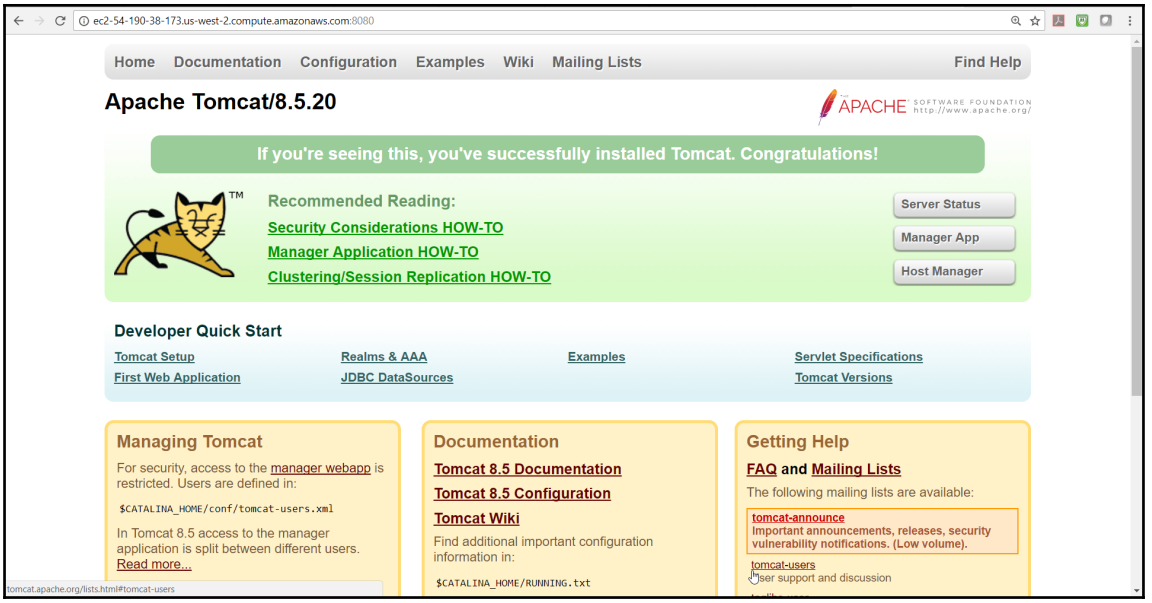
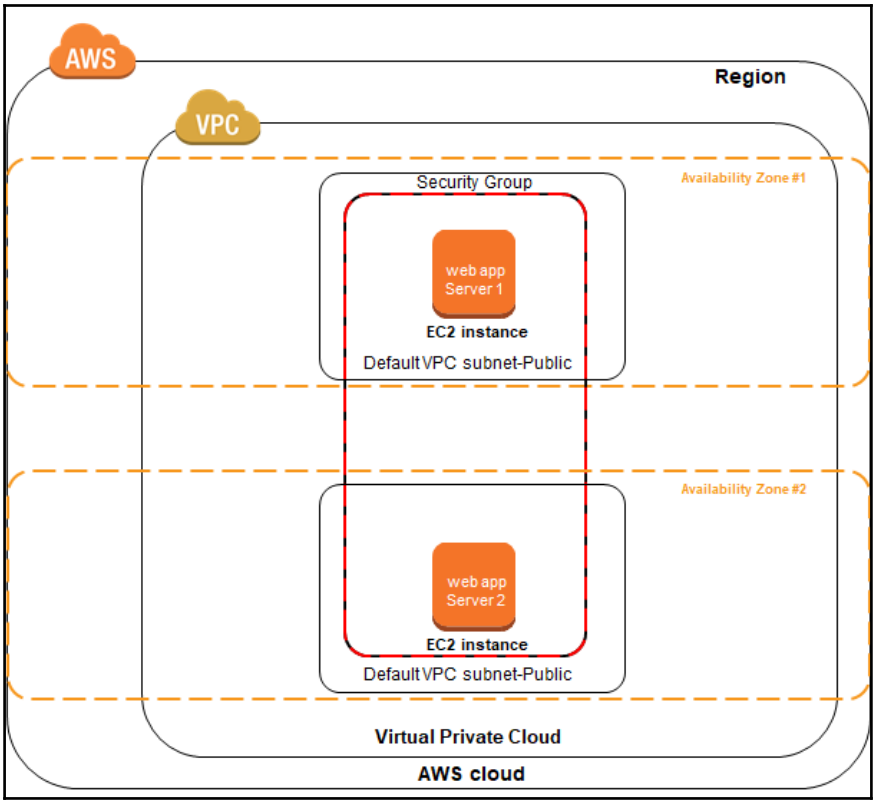
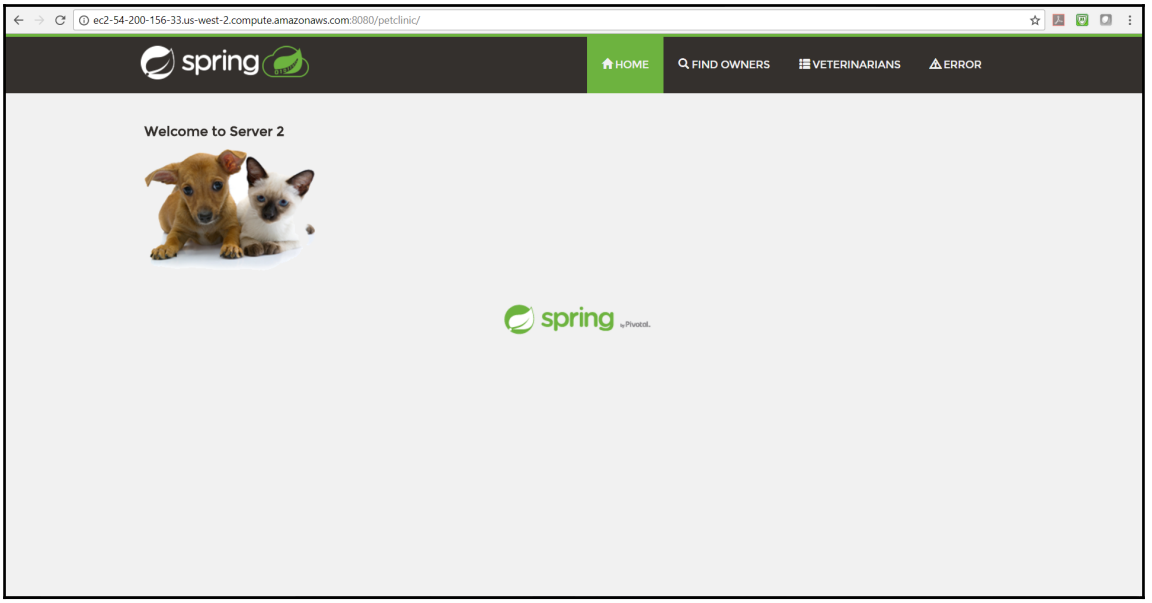
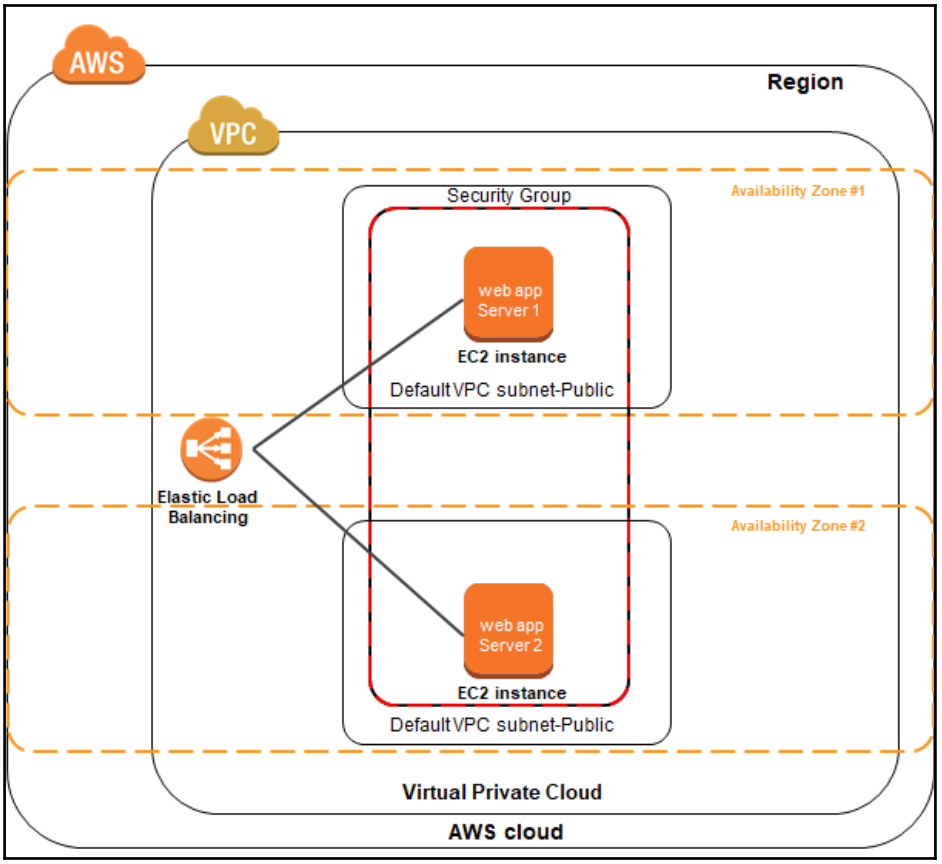
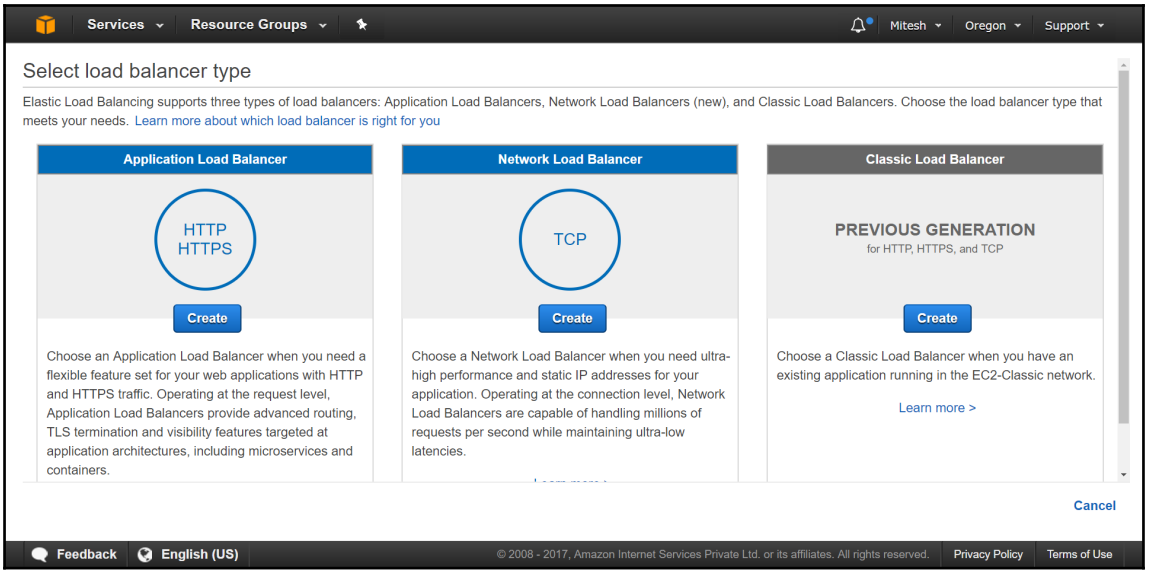

ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.5.20
APACHE SOFTWARE FOUNDATION http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.5 access to the manager application is split between different users.
Read more...
Documentation
Tomcat 8.5 Documentation
Tomcat 8.5 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
tomcat.apache.org/lists.html#tomcat-users


AWS
Region
VPC
Security Group
Availability Zone #1
web app
Server 1
EC2 instance
Default VPC subnet-Public
Availability Zone #2
web app
Server 2
EC2 instance
Default VPC subnet-Public
Virtual Private Cloud
AWS cloud


ec2-54-200-156-33.us-west-2.compute.amazonaws.com:8080/petclinic/
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Welcome to Server 2
spring


AWS
Region
VPC
Security Group
Availability Zone #1
web app
Server 1
EC2 instance
Default VPC subnet-Public
Elastic Load
Balancing
Availability Zone #2
web app
Server 2
EC2 instance
Default VPC subnet-Public
Virtual Private Cloud
AWS cloud


Services
Resource Groups
Mitesh
Oregon
Support
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, TLS termination and visibility features targeted at application architectures, including microservices and containers.
Network Load Balancer
TCP
Create
Choose a Network Load Balancer when you need ultra-high performance and static IP addresses for your application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second while maintaining ultra-low latencies.
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 >
Cancel
Feedback
English (US)
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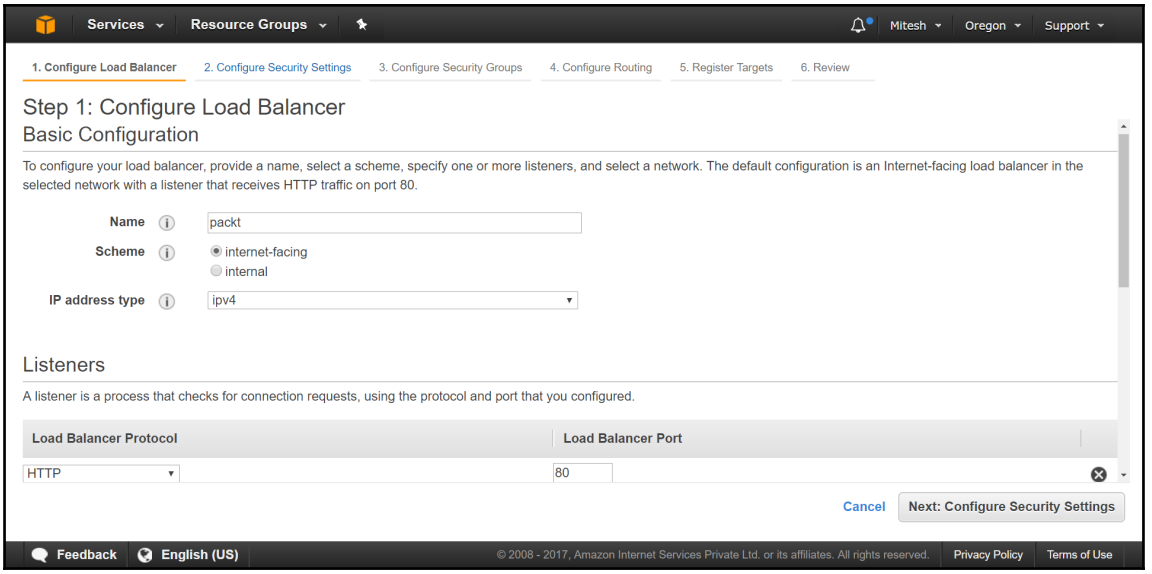
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 1: Configure Load Balancer
Basic Configuration
To configure your load balancer, provide a name, select a scheme, specify one or more listeners, and select a network. The default configuration is an Internet-facing load balancer in the selected network with a listener that receives HTTP traffic on port 80.
Name
packt
Scheme
internet-facing
internal
IP address type
ipv4
Listeners
A listener is a process that checks for connection requests, using the protocol and port that you configured.
Load Balancer Protocol
Load Balancer Port
HTTP
80
Cancel
Next: Configure Security Settings
Feedback
English (US)
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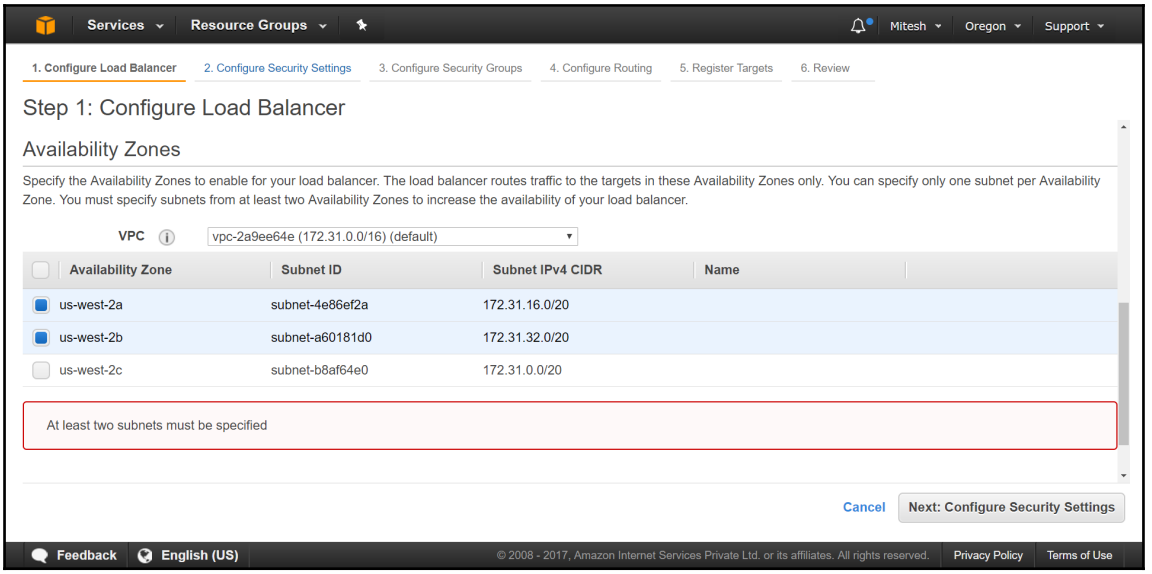
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 1: Configure Load Balancer
Availability Zones
Specify the Availability Zones to enable for your load balancer. The load balancer routes traffic to the targets in these Availability Zones only. You can specify only one subnet per Availability Zone. You must specify subnets from at least two Availability Zones to increase the availability of your load balancer.
VPC
vpc-2a9ee64e (172.31.0.0/16) (default)
Availability Zone
Subnet ID
Subnet IPv4 CIDR
Name
us-west-2a
subnet-4e86ef2a
172.31.16.0/20
us-west-2b
subnet-a60181d0
172.31.32.0/20
us-west-2c
subnet-b8af64e0
172.31.0.0/20
At least two subnets must be specified
Cancel
Next: Configure Security Settings
Feedback
English (US)
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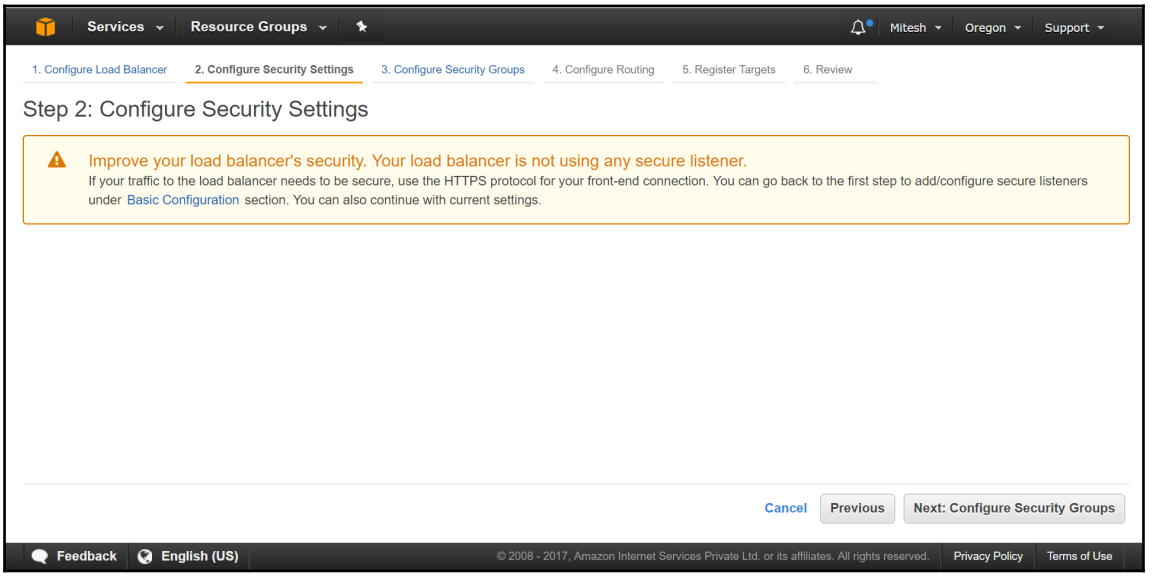
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 2: Configure Security Settings
Improve your load balancer's security. Your load balancer is not using any secure listener.
If your traffic to the load balancer needs to be secure, use the HTTPS protocol for your front-end connection. You can go back to the first step to add/configure secure listeners under Basic Configuration section. You can also continue with current settings.
Cancel
Previous
Next: Configure Security Groups
Feedback
English (US)
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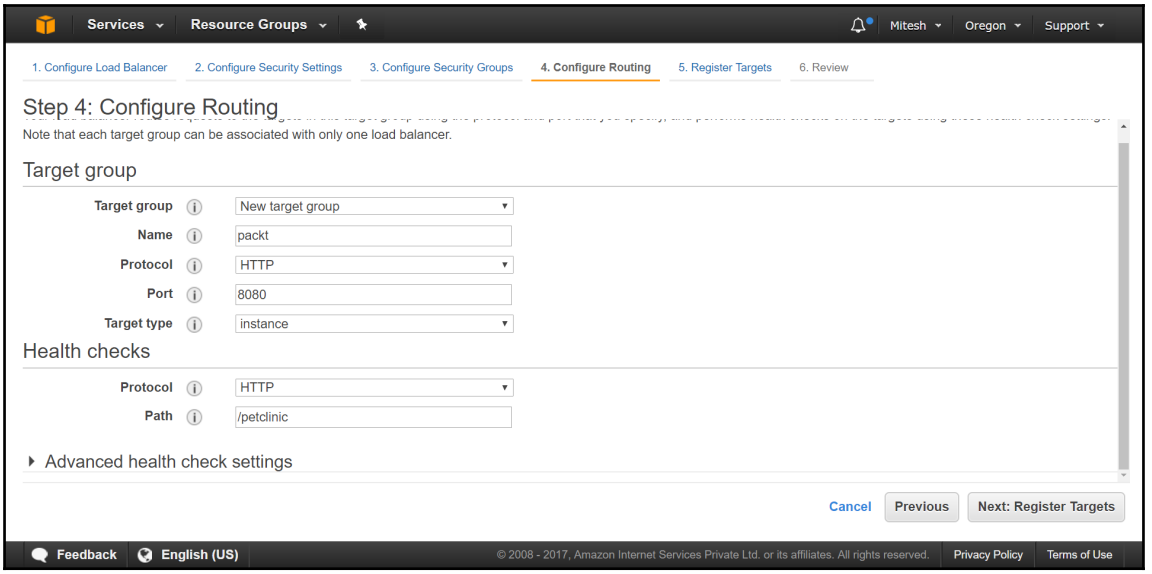
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 4: Configure Routing
Note that each target group can be associated with only one load balancer.
Target group
Target group
New target group
Name
packt
Protocol
HTTP
Port
8080
Target type
instance
Health checks
Protocol
HTTP
Path
/petclinic
Advanced health check settings
Cancel
Previous
Next: Register Targets
Feedback
English (US)
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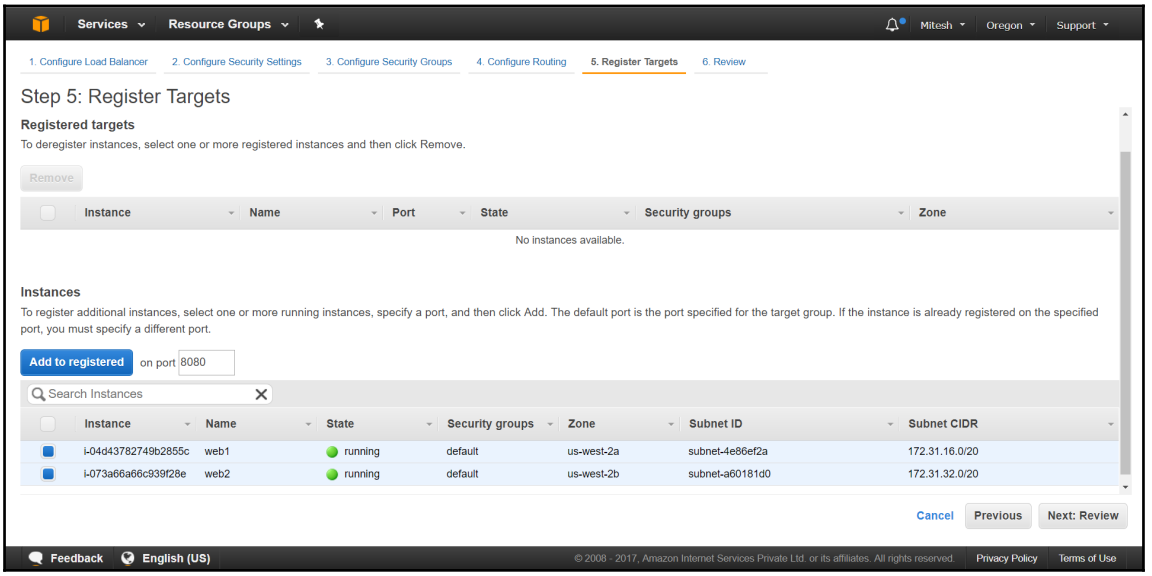
Terms of Use


Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 5: Register Targets
Registered targets
To deregister instances, select one or more registered instances and then click Remove.
Remove
Instance
Name
Port
State
Security groups
Zone
No instances available.
Instances
To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.
Add to registered
on port 8080
Search Instances
Instance
Name
State
Security groups
Zone
Subnet ID
Subnet CIDR
i-04d43782749b2855c
web1
running
default
us-west-2a
subnet-4e86ef2a
172.31.16.0/20
i-073a66a66c939f28e
web2
running
default
us-west-2b
subnet-a60181d0
172.31.32.0/20
Cancel
Previous
Next: Review
Feedback
English (US)
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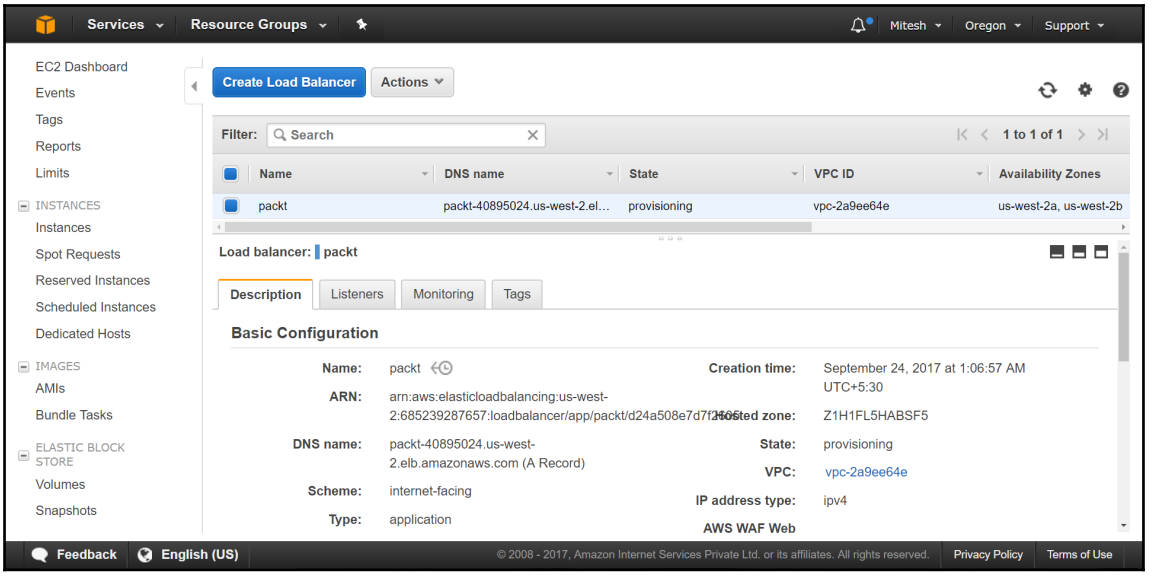
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Create Load Balancer
Actions
Filter:
Search
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
packt
packt-40895024.us-west-2.el...
provisioning
vpc-2a9ee64e
us-west-2a, us-west-2b
Load balancer: packt
Description
Listeners
Monitoring
Tags
Basic Configuration
Name: packt
ARN: arn:aws:elasticloadbalancing:us-west-2:685239287657:loadbalancer/app/packt/d24a508e7d7f1505
DNS name: packt-40895024.us-west-2.elb.amazonaws.com (A Record)
Scheme: internet-facing
Type: application
Creation time: September 24, 2017 at 1:06:57 AM UTC+5:30
Hosted zone: Z1H1FL5HABSF5
State: provisioning
VPC: vpc-2a9ee64e
IP address type: ipv4
AWS WAF Web
Feedback
English (US)
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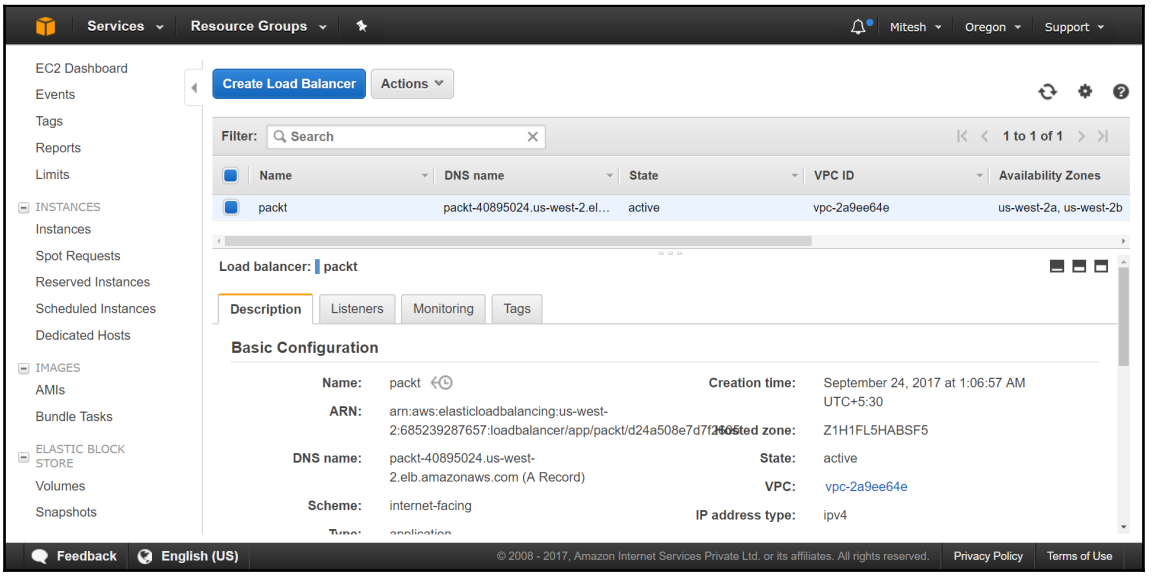
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Create Load Balancer
Actions
Filter:
Search
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
packt
packt-40895024.us-west-2.el...
active
vpc-2a9ee64e
us-west-2a, us-west-2b
Load balancer: packt
Description
Listeners
Monitoring
Tags
Basic Configuration
Name: packt
ARN: arn:aws:elasticloadbalancing:us-west-2:685239287657:loadbalancer/app/packt/d24a508e7d7f1505
DNS name: packt-40895024.us-west-2.elb.amazonaws.com (A Record)
Scheme: internet-facing
Creation time: September 24, 2017 at 1:06:57 AM UTC+5:30
Hosted zone: Z1H1FL5HABSF5
State: active
VPC: vpc-2a9ee64e
IP address type: ipv4
Feedback
English (US)
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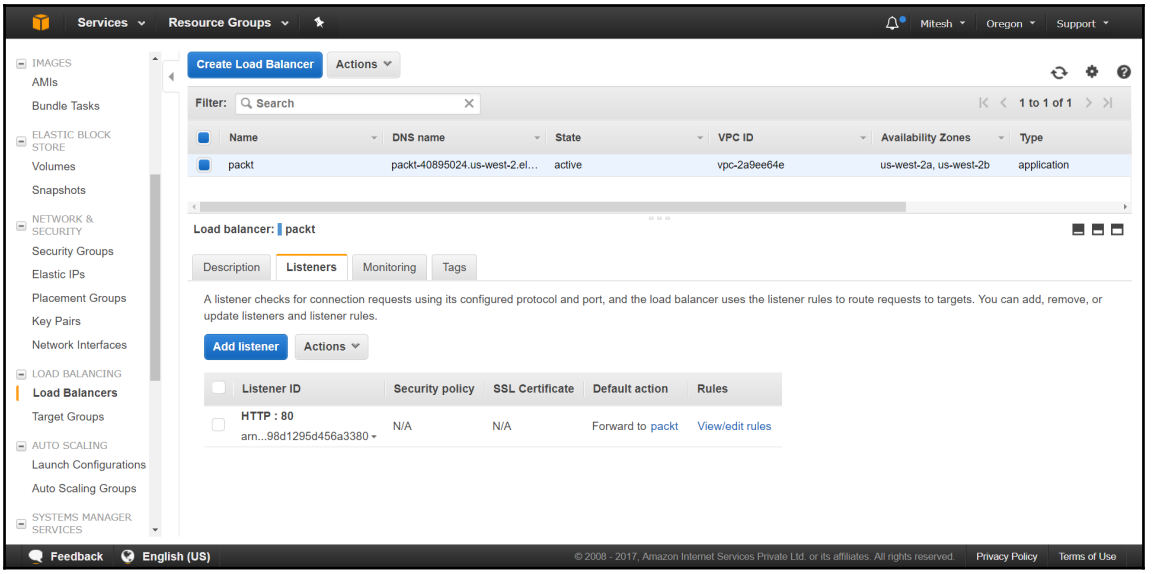
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create Load Balancer
Actions
Filter:
Search
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
packt
packt-40895024.us-west-2.el...
active
vpc-2a9ee64e
us-west-2a, us-west-2b
application
Load balancer: packt
Description
Listeners
Monitoring
Tags
A listener checks for connection requests using its configured protocol and port, and the load balancer uses the listener rules to route requests to targets. You can add, remove, or update listeners and listener rules.
Add listener
Actions
Listener ID
Security policy
SSL Certificate
Default action
Rules
HTTP : 80
arn...98d1295d456a3380
N/A
N/A
Forward to packt
View/edit rules
Feedback
English (US)
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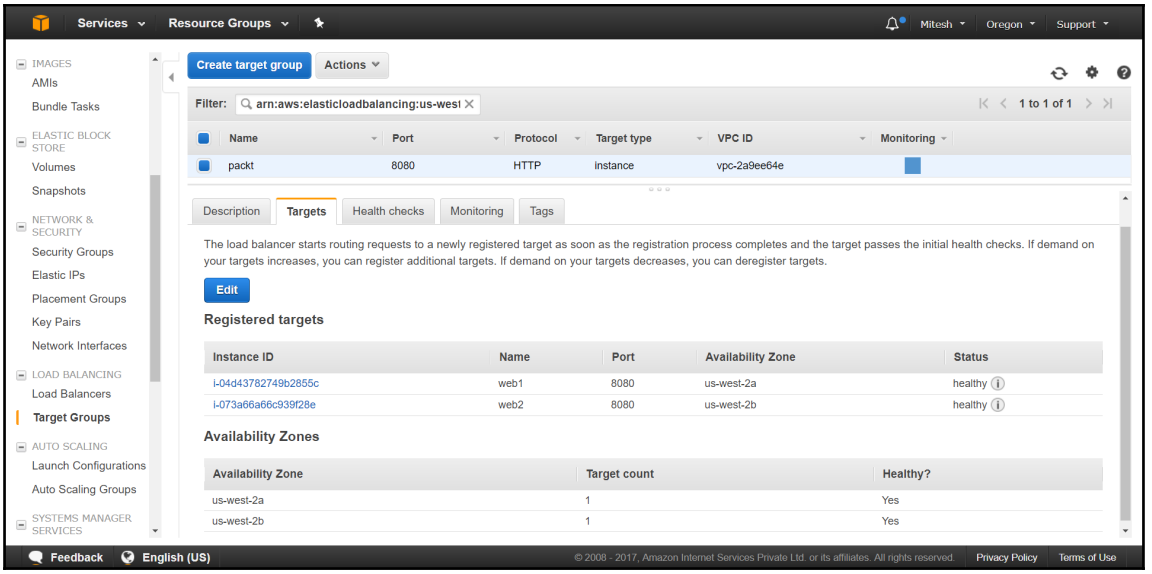
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create target group
Actions
Filter:
arn:aws:elasticloadbalancing:us-west
1 to 1 of 1
Name
Port
Protocol
Target type
VPC ID
Monitoring
packt
8080
HTTP
instance
vpc-2a9ee64e
Description
Targets
Health checks
Monitoring
Tags
The load balancer starts routing requests to a newly registered target as soon as the registration process completes and the target passes the initial health checks. If demand on your targets increases, you can register additional targets. If demand on your targets decreases, you can deregister targets.
Edit
Registered targets
Instance ID
Name
Port
Availability Zone
Status
i-04d43782749b2855c
web1
8080
us-west-2a
healthy
i-073a66a66c939f28e
web2
8080
us-west-2b
healthy
Availability Zones
Availability Zone
Target count
Healthy?
us-west-2a
1
Yes
us-west-2b
1
Yes
Feedback
English (US)
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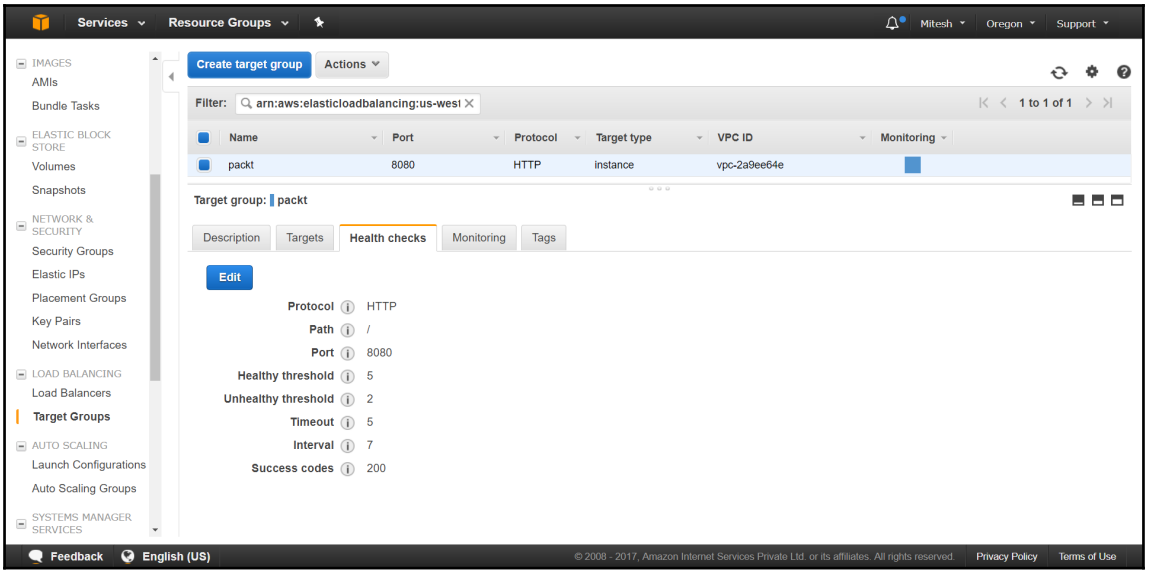
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create target group
Actions
Filter: arn:aws:elasticloadbalancing:us-west
1 to 1 of 1
Name
Port
Protocol
Target type
VPC ID
Monitoring
packt
8080
HTTP
instance
vpc-2a9ee64e
Target group: packt
Description
Targets
Health checks
Monitoring
Tags
Edit
Protocol HTTP
Path /
Port 8080
Healthy threshold 5
Unhealthy threshold 2
Timeout 5
Interval 7
Success codes 200
Feedback
English (US)
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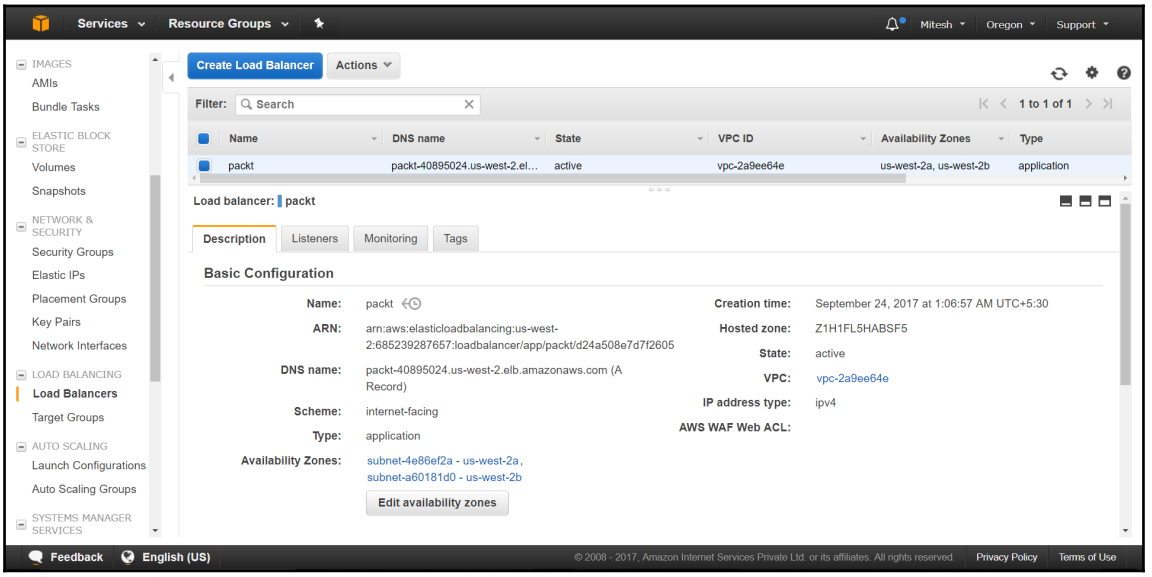
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create Load Balancer
Actions
Filter: Search
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
packt
packt-40895024.us-west-2.el...
active
vpc-2a9ee64e
us-west-2a, us-west-2b
application
Load balancer: packt
Description
Listeners
Monitoring
Tags
Basic Configuration
Name: packt
ARN: arn:aws:elasticloadbalancing:us-west-2:685239287657:loadbalancer/app/packt/d24a508e7d7f2605
DNS name: packt-40895024.us-west-2.elb.amazonaws.com (A Record)
Scheme: internet-facing
Type: application
Availability Zones: subnet-4e86ef2a - us-west-2a, subnet-a60181d0 - us-west-2b
Edit availability zones
Creation time: September 24, 2017 at 1:06:57 AM UTC+5:30
Hosted zone: Z1H1FL5HABSF5
State: active
VPC: vpc-2a9ee64e
IP address type: ipv4
AWS WAF Web ACL:
Feedback
English (US)
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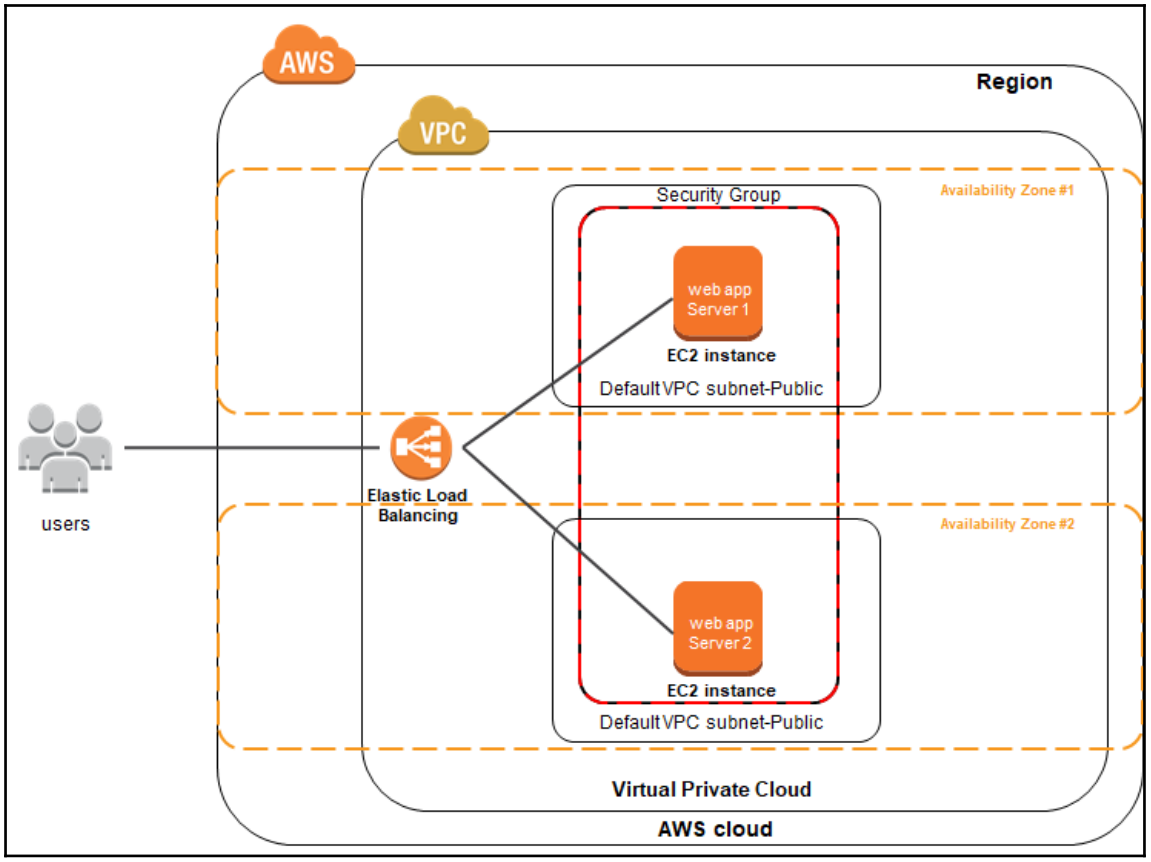
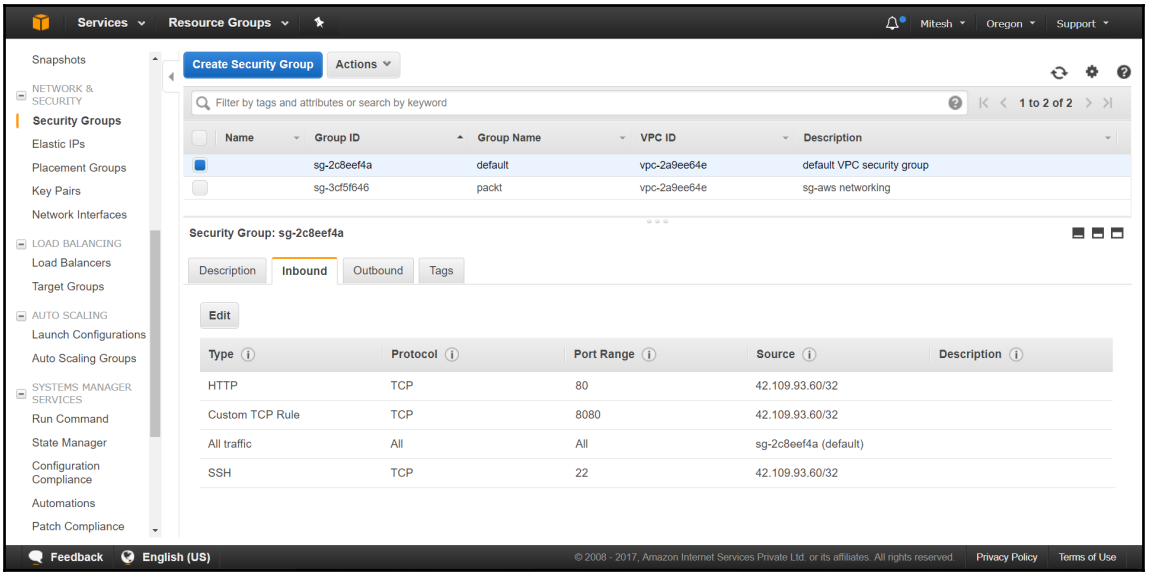

AWS
Region
VPC
Security Group
Availability Zone #1
web app
Server 1
EC2 instance
Default VPC subnet-Public
users
Elastic Load
Balancing
Availability Zone #2
web app
Server 2
EC2 instance
Default VPC subnet-Public
Virtual Private Cloud
AWS cloud


Services
Resource Groups
Mitesh
Oregon
Support
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Configuration Compliance
Automations
Patch Compliance
Create Security Group
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Group ID
Group Name
VPC ID
Description
sg-2c8eef4a
default
vpc-2a9ee64e
default VPC security group
sg-3cf5f646
packt
vpc-2a9ee64e
sg-aws networking
Security Group: sg-2c8eef4a
Description
Inbound
Outbound
Tags
Edit
Type
Protocol
Port Range
Source
Description
HTTP
TCP
80
42.109.93.60/32
Custom TCP Rule
TCP
8080
42.109.93.60/32
All traffic
All
All
sg-2c8eef4a (default)
SSH
TCP
22
42.109.93.60/32
Feedback
English (US)
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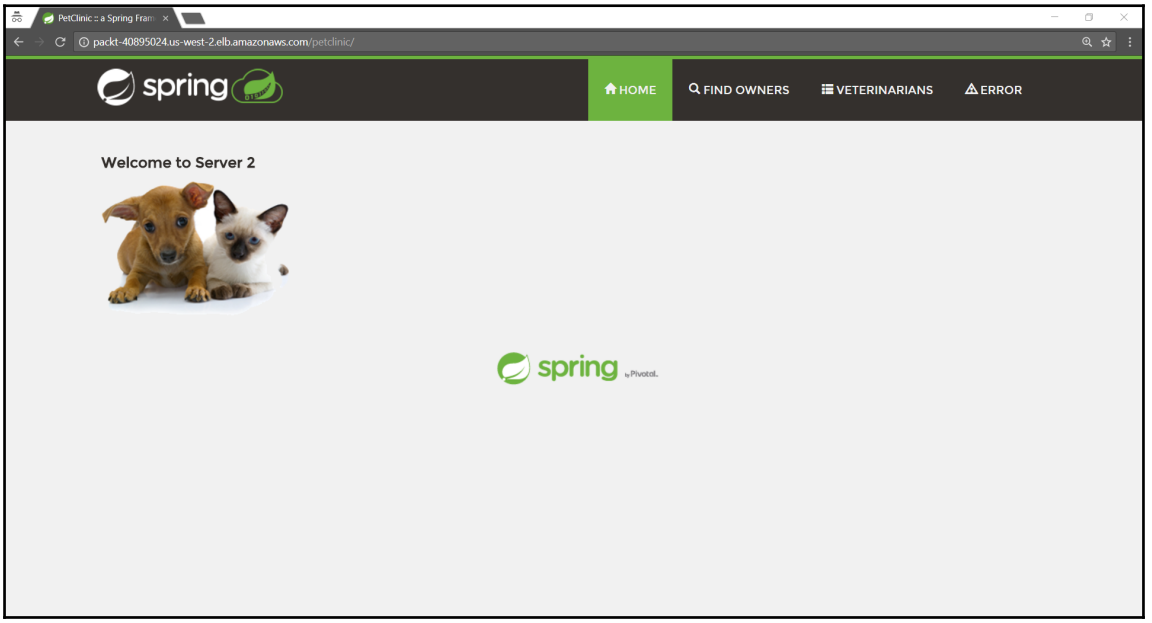
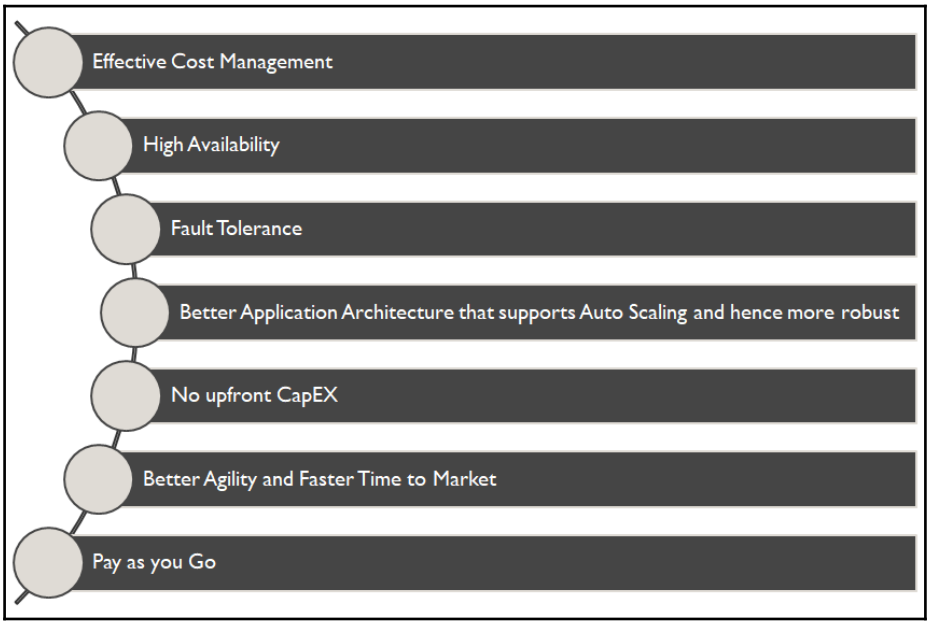
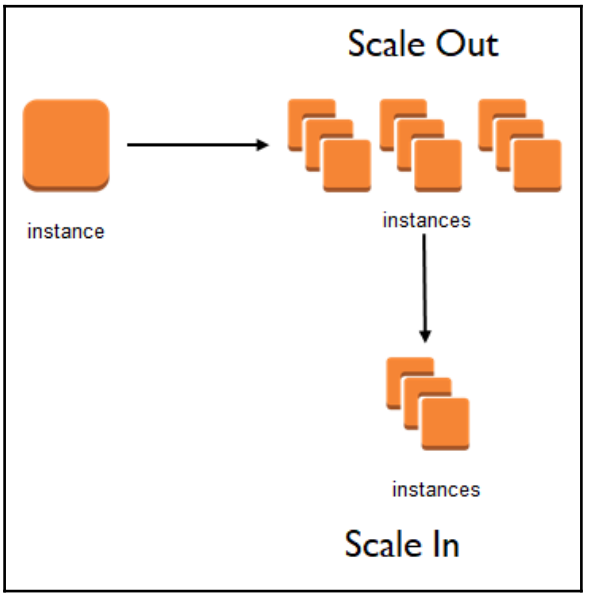
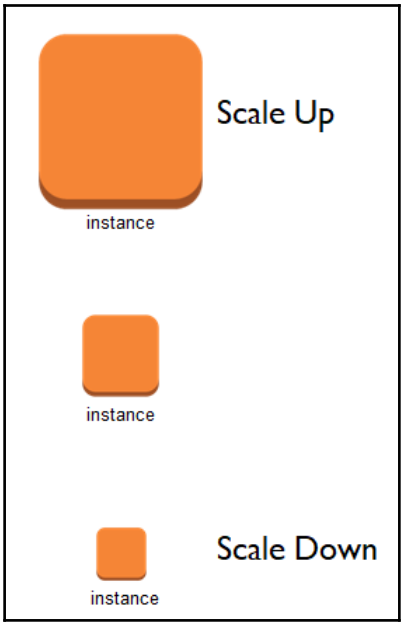
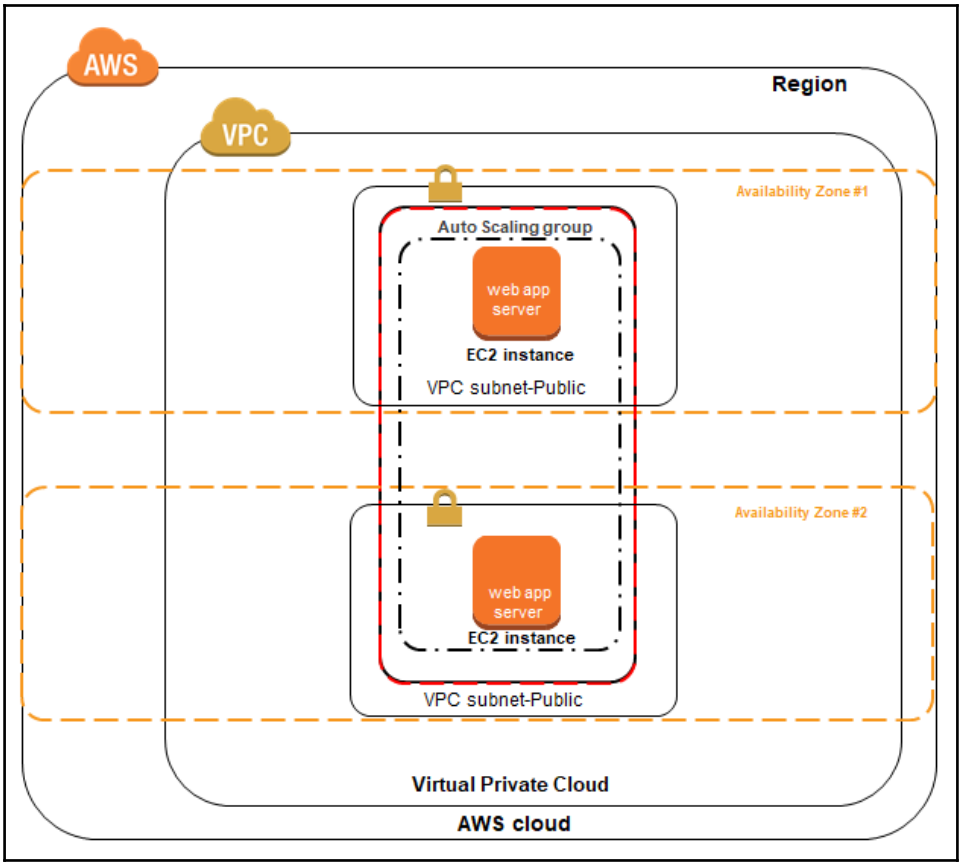

PetClinic :: a Spring Fram
packt-40895024.us-west-2.elb.amazonaws.com/petclinic/
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Welcome to Server 2
spring by Pivotal.

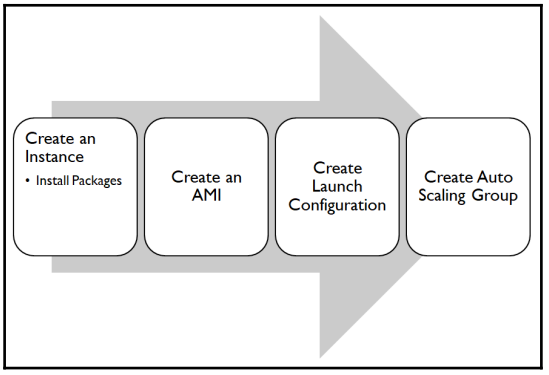
Chapter 4: Auto Scaling

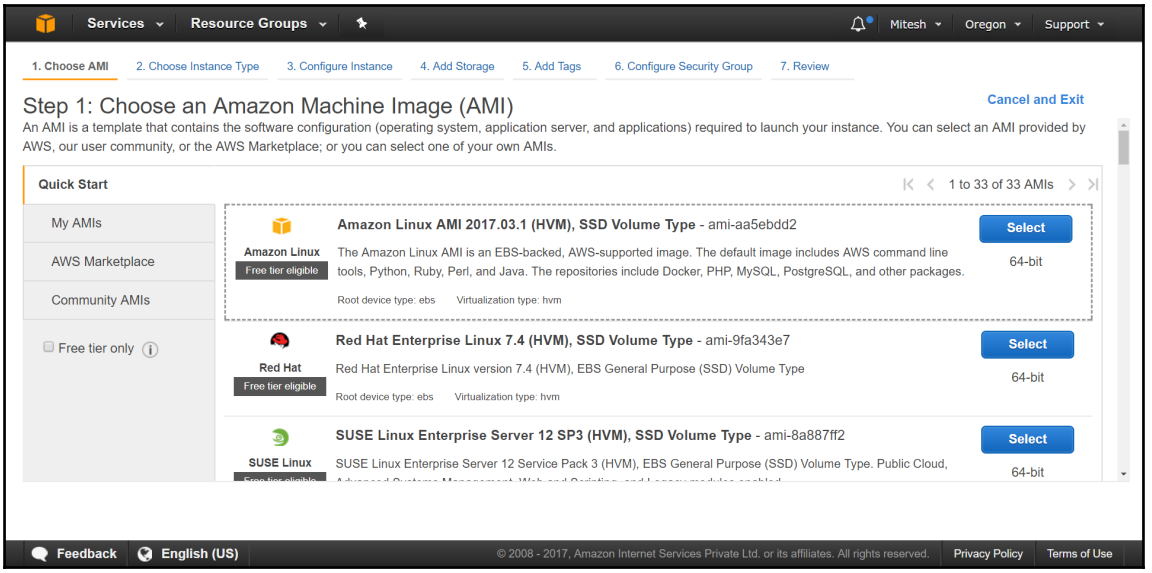





Scale Up
instance
instance
Scale Down
instance


AWS
Region
VPC
Availability Zone #1
Auto Scaling group
web app server
EC2 instance
VPC subnet-Public
Availability Zone #2
web app server
EC2 instance
VPC subnet-Public
Virtual Private Cloud
AWS cloud


Create an Instance
• Install Packages
Create an AMI
Create Launch Configuration
Create Auto Scaling Group


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.
Quick Start
1 to 33 of 33 AMIs
My AMIs
AWS Marketplace
Community AMIs
Free tier only
Amazon Linux AMI 2017.03.1 (HVM), SSD Volume Type - ami-aa5ebdd2
Amazon Linux
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs
Virtualization type: hvm
Select
64-bit
Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type - ami-9fa343e7
Red Hat
Free tier eligible
Red Hat Enterprise Linux version 7.4 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs
Virtualization type: hvm
Select
64-bit
SUSE Linux Enterprise Server 12 SP3 (HVM), SSD Volume Type - ami-8a887ff2
SUSE Linux
SUSE Linux Enterprise Server 12 Service Pack 3 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud,
Select
64-bit
Feedback
English (US)
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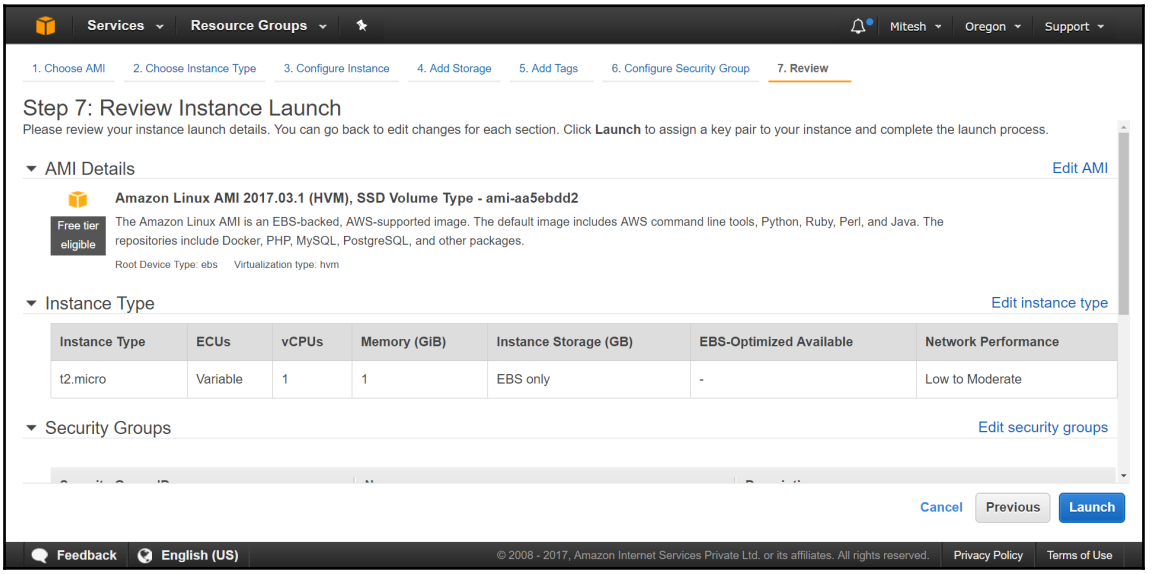
Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
AMI Details
Edit AMI
Amazon Linux AMI 2017.03.1 (HVM), SSD Volume Type - ami-aa5ebdd2
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root Device Type: ebs
Virtualization type: hvm
Instance Type
Edit instance type
Instance Type | ECUs | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance
t2.micro | Variable | 1 | 1 | EBS only | - | Low to Moderate
Security Groups
Edit security groups
Cancel
Previous
Launch
Feedback
English (US)
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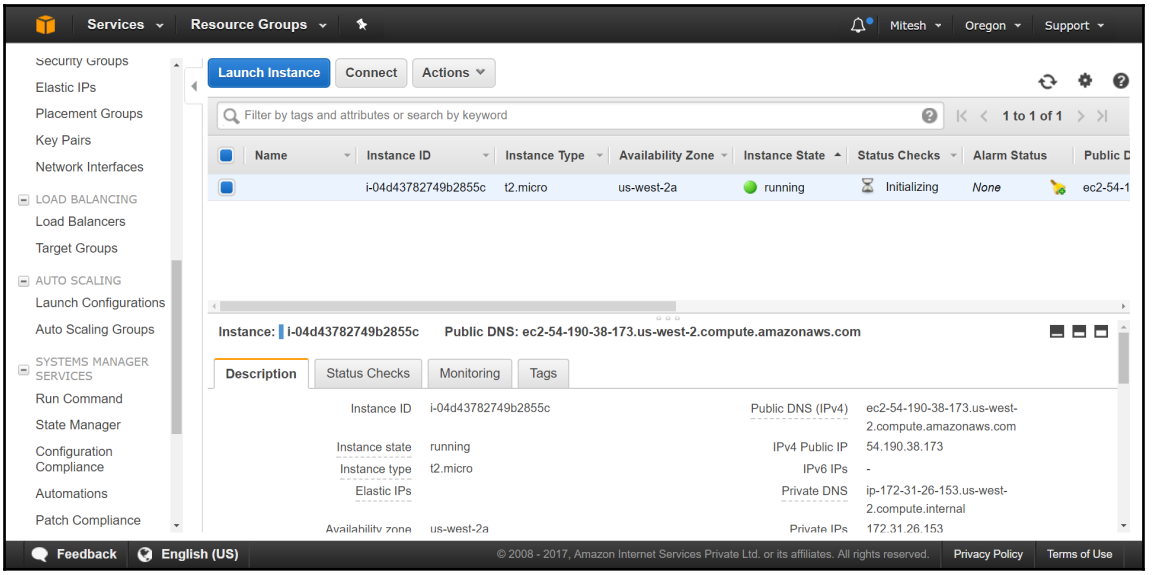
Services
Resource Groups
Mitesh
Oregon
Support
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Configuration Compliance
Automations
Patch Compliance
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public D
i-04d43782749b2855c
t2.micro
us-west-2a
running
Initializing
None
ec2-54-1
Instance: i-04d43782749b2855c
Public DNS: ec2-54-190-38-173.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-04d43782749b2855c
Instance state
running
Instance type
t2.micro
Elastic IPs
Availability zone
us-west-2a
Public DNS (IPv4)
ec2-54-190-38-173.us-west-2.compute.amazonaws.com
IPv4 Public IP
54.190.38.173
IPv6 IPs
-
Private DNS
ip-172-31-26-153.us-west-2.compute.internal
Private IPs
172.31.26.153
Feedback
English (US)
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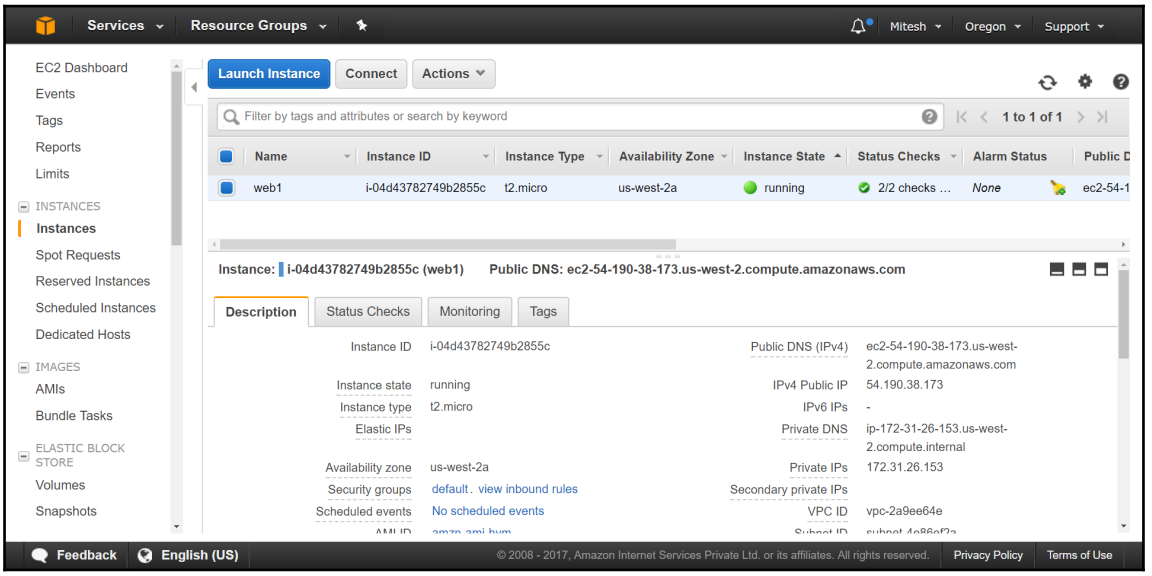
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public D
web1
i-04d43782749b2855c
t2.micro
us-west-2a
running
2/2 checks ...
None
ec2-54-1
Instance: i-04d43782749b2855c (web1)
Public DNS: ec2-54-190-38-173.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-04d43782749b2855c
Instance state
running
Instance type
t2.micro
Elastic IPs
Availability zone
us-west-2a
Security groups
default. view inbound rules
Scheduled events
No scheduled events
Public DNS (IPv4)
ec2-54-190-38-173.us-west-2.compute.amazonaws.com
IPv4 Public IP
54.190.38.173
IPv6 IPs
-
Private DNS
ip-172-31-26-153.us-west-2.compute.internal
Private IPs
172.31.26.153
Secondary private IPs
VPC ID
vpc-2a9ee64e
Feedback
English (US)
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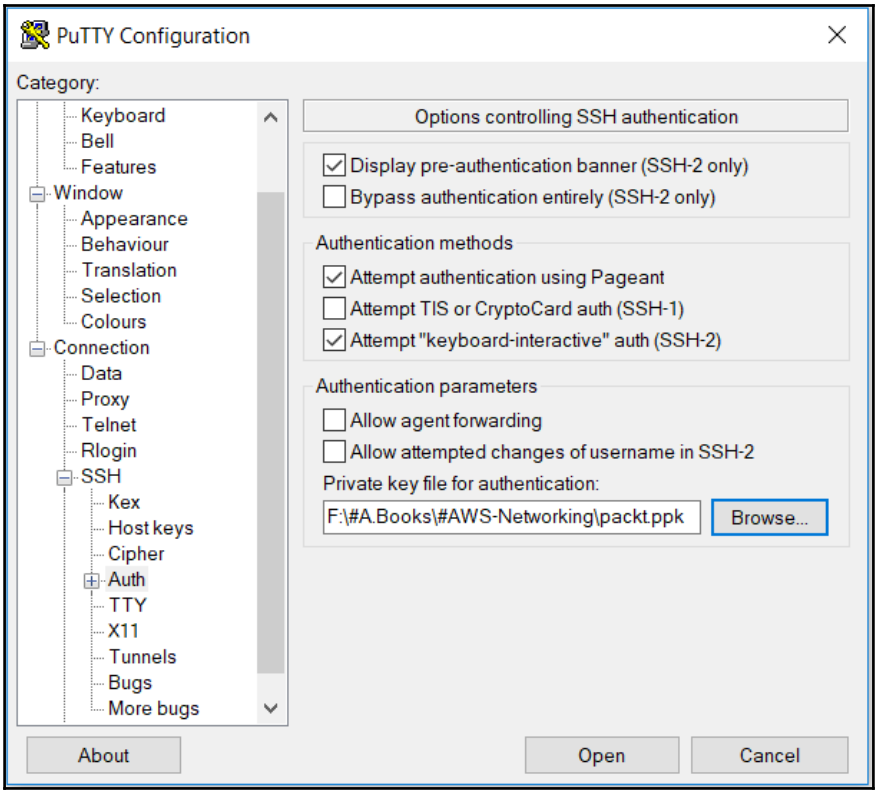
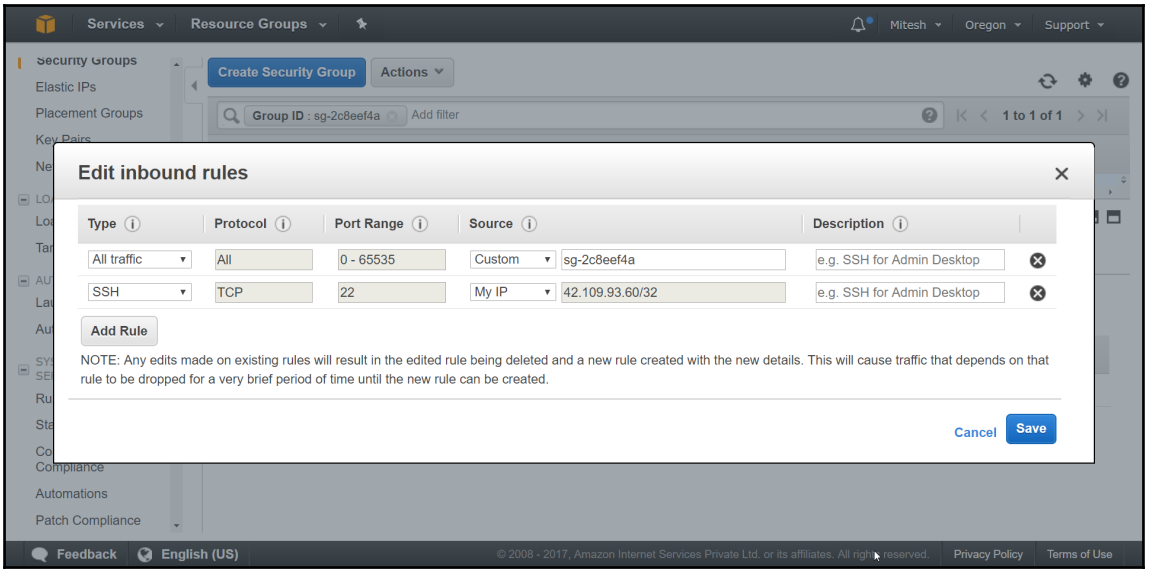
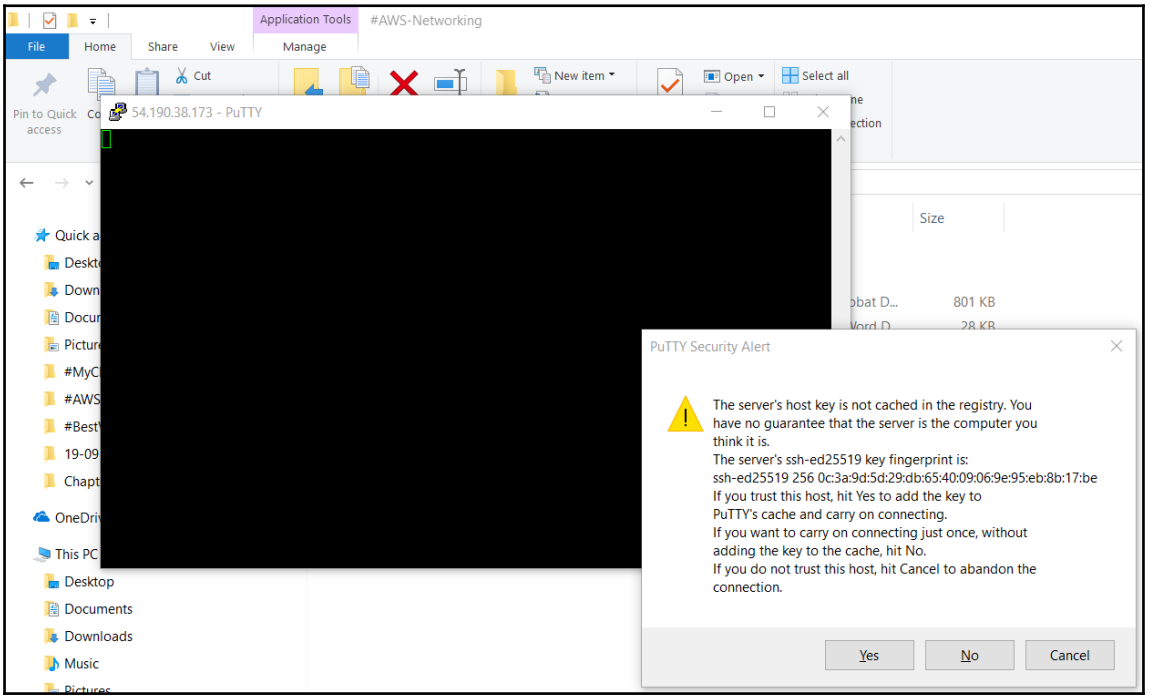
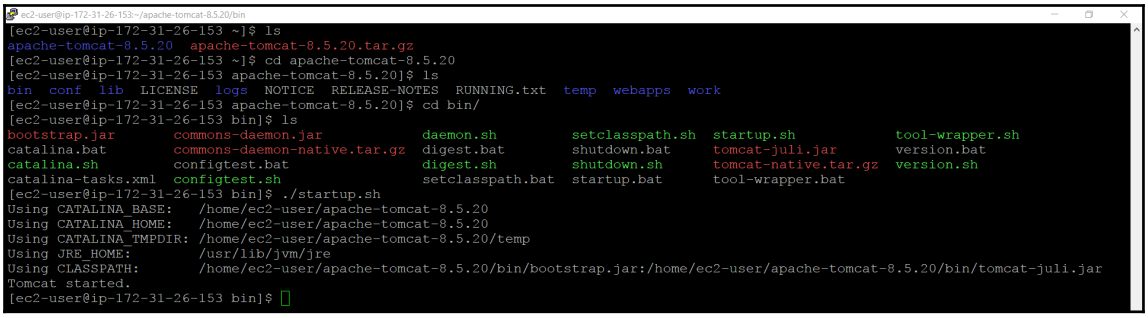
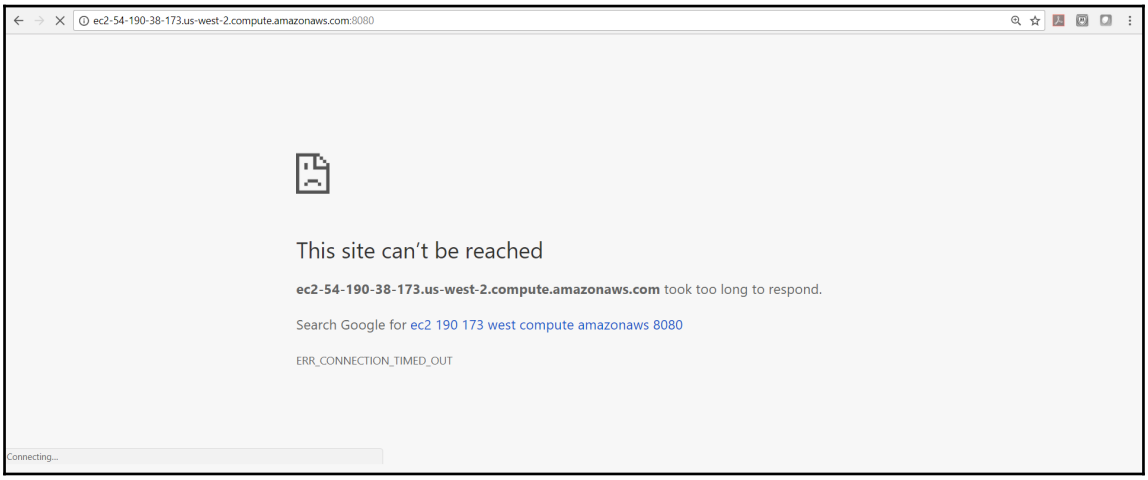
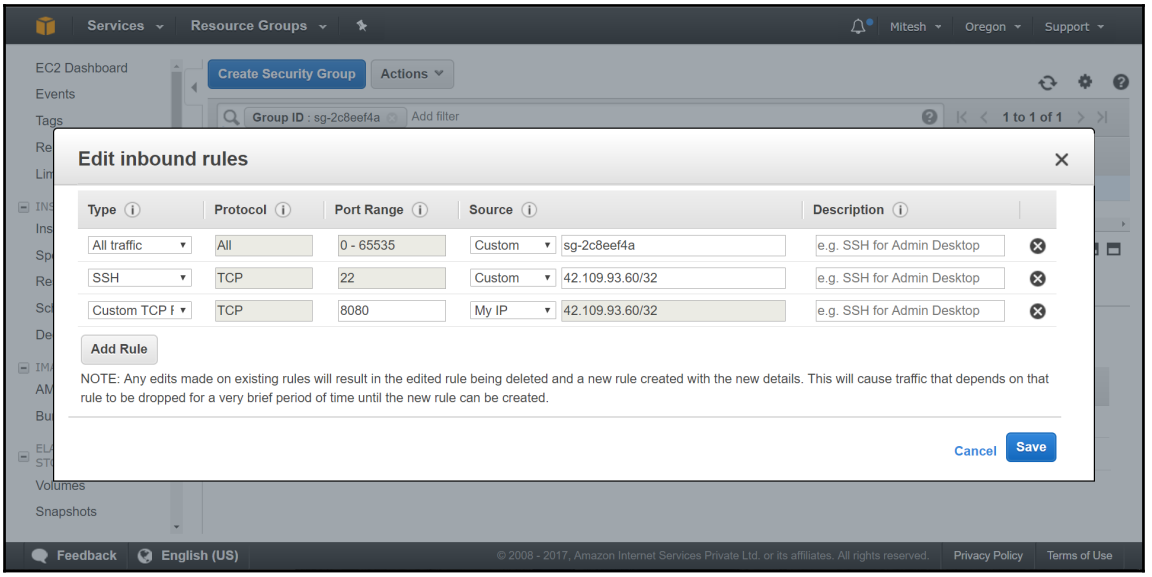

PuTTY Configuration
Category:
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Kex
Host keys
Cipher
Auth
TTY
X11
Tunnels
Bugs
More bugs
Options controlling SSH authentication
Display pre-authentication banner (SSH-2 only)
Bypass authentication entirely (SSH-2 only)
Authentication methods
Attempt authentication using Pageant
Attempt TIS or CryptoCard auth (SSH-1)
Attempt "keyboard-interactive" auth (SSH-2)
Authentication parameters
Allow agent forwarding
Allow attempted changes of username in SSH-2
Private key file for authentication:
F:\#A.Books\#AWS-Networking\packt.ppk
Browse...
About
Open
Cancel


Services
Resource Groups
Mitesh
Oregon
Support
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Automations
Patch Compliance
Feedback
English (US)
Privacy Policy
Terms of Use


Application Tools
#AWS-Networking
File
Home
Share
View
Manage
54.190.38.173 - PuTTY
PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 256 0c:3a:9d:5d:29:db:65:40:09:06:9e:95:eb:8b:17:be
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel
Desktop
Documents
Downloads
Music


ec2-user@ip-172-31-26-153:~/apache-tomcat-8.5.20/bin
[ec2-user@ip-172-31-26-153 ~]$ ls
apache-tomcat-8.5.20 apache-tomcat-8.5.20.tar.gz
[ec2-user@ip-172-31-26-153 ~]$ cd apache-tomcat-8.5.20
[ec2-user@ip-172-31-26-153 apache-tomcat-8.5.20]$ ls
bin conf lib LICENSE logs NOTICE RELEASE-NOTES RUNNING.txt temp webapps work
[ec2-user@ip-172-31-26-153 apache-tomcat-8.5.20]$ cd bin/
[ec2-user@ip-172-31-26-153 bin]$ ls
bootstrap.jar commons-daemon.jar daemon.sh setclasspath.sh startup.sh tool-wrapper.sh
catalina.bat commons-daemon-native.tar.gz digest.bat shutdown.bat tomcat-juli.jar version.bat
catalina.sh configtest.bat digest.sh shutdown.sh tomcat-native.tar.gz version.sh
catalina-tasks.xml configtest.sh setclasspath.bat startup.bat tool-wrapper.bat
[ec2-user@ip-172-31-26-153 bin]$ ./startup.sh
Using CATALINA_BASE: /home/ec2-user/apache-tomcat-8.5.20
Using CATALINA_HOME: /home/ec2-user/apache-tomcat-8.5.20
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.20/temp
Using JRE_HOME: /usr/lib/jvm/jre
Using CLASSPATH: /home/ec2-user/apache-tomcat-8.5.20/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.20/bin/tomcat-juli.jar
Tomcat started.
[ec2-user@ip-172-31-26-153 bin]$


ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080
This site can't be reached
ec2-54-190-38-173.us-west-2.compute.amazonaws.com took too long to respond.
Search Google for ec2 190 173 west compute amazonaws 8080
ERR_CONNECTION_TIMED_OUT
Connecting...


Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
Custom
42.109.93.60/32
e.g. SSH for Admin Desktop
Custom TCP R
TCP
8080
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Volumes
Snapshots
Feedback
English (US)
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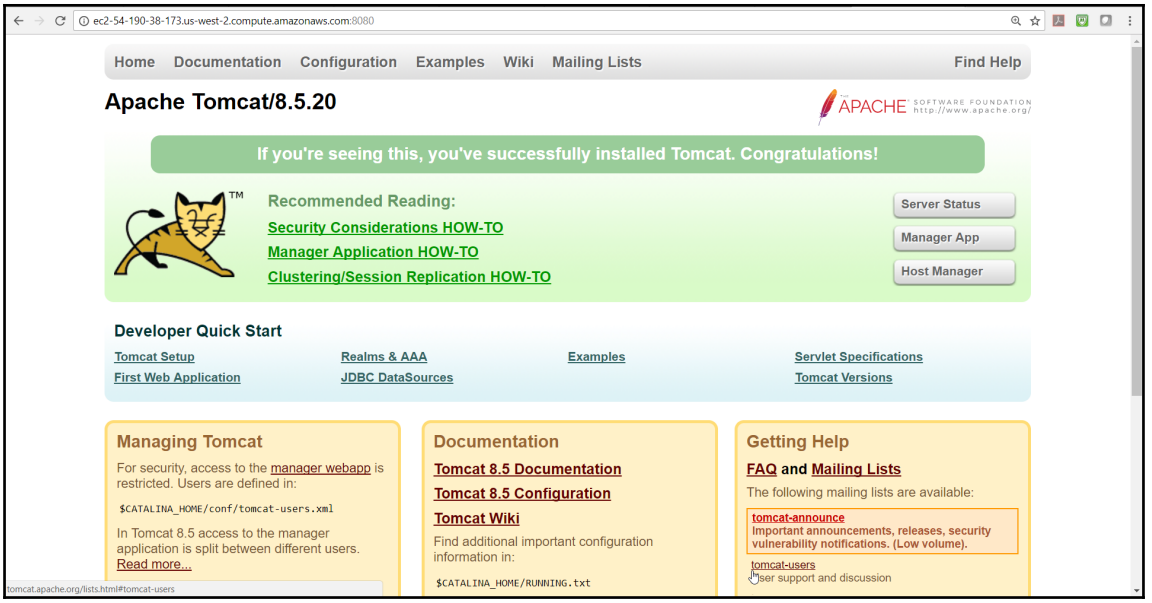
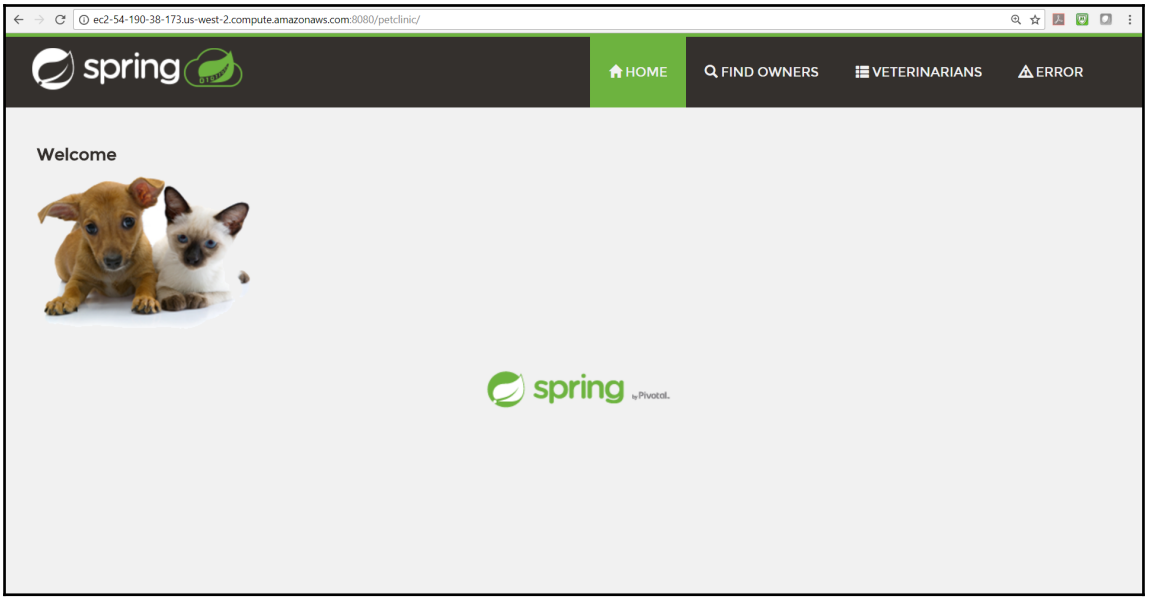
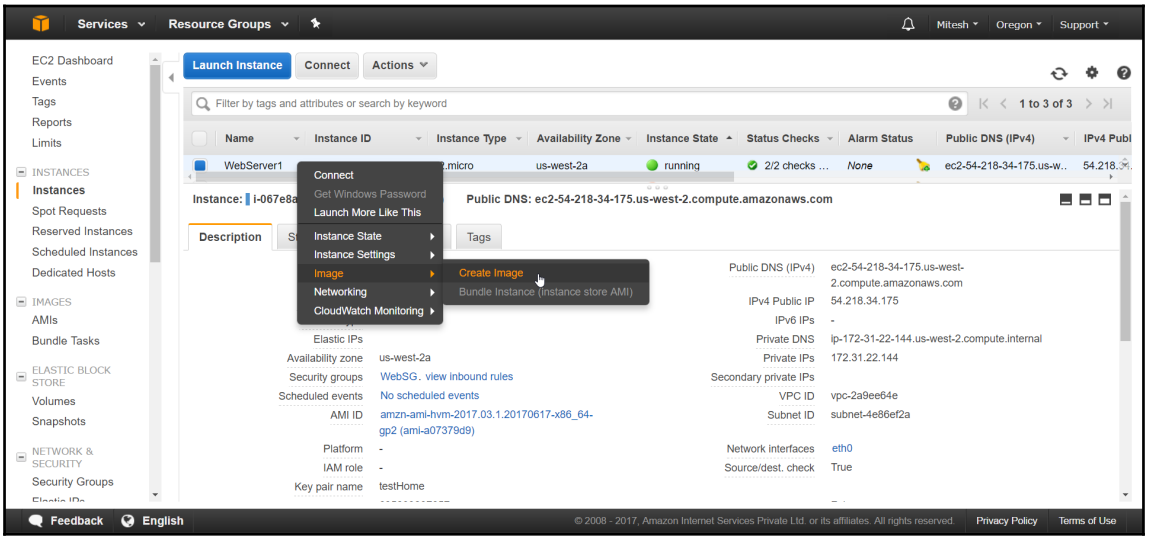

ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.5.20
APACHE SOFTWARE FOUNDATION http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.5 access to the manager application is split between different users.
Read more...
Documentation
Tomcat 8.5 Documentation
Tomcat 8.5 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
tomcat.apache.org/lists.html#tomcat-users


ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080/petclinic/
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Welcome
spring by Pivotal.


Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 3 of 3
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
WebServer1
running
2/2 checks ...
None
ec2-54-218-34-175.us-w..
Connect
Get Windows Password
Launch More Like This
Instance State
Instance Settings
Image
Networking
CloudWatch Monitoring
Create Image
Bundle Instance (instance store AMI)
Public DNS: ec2-54-218-34-175.us-west-2.compute.amazonaws.com
Description
Tags
Public DNS (IPv4)
IPv4 Public IP
IPv6 IPs
Private DNS
Private IPs
Secondary private IPs
VPC ID
Subnet ID
Elastic IPs
Availability zone
Security groups
Scheduled events
AMI ID
Platform
IAM role
Key pair name
us-west-2a
WebSG. view inbound rules
No scheduled events
testHome
Network interfaces
eth0
Source/dest. check
True
Feedback
English
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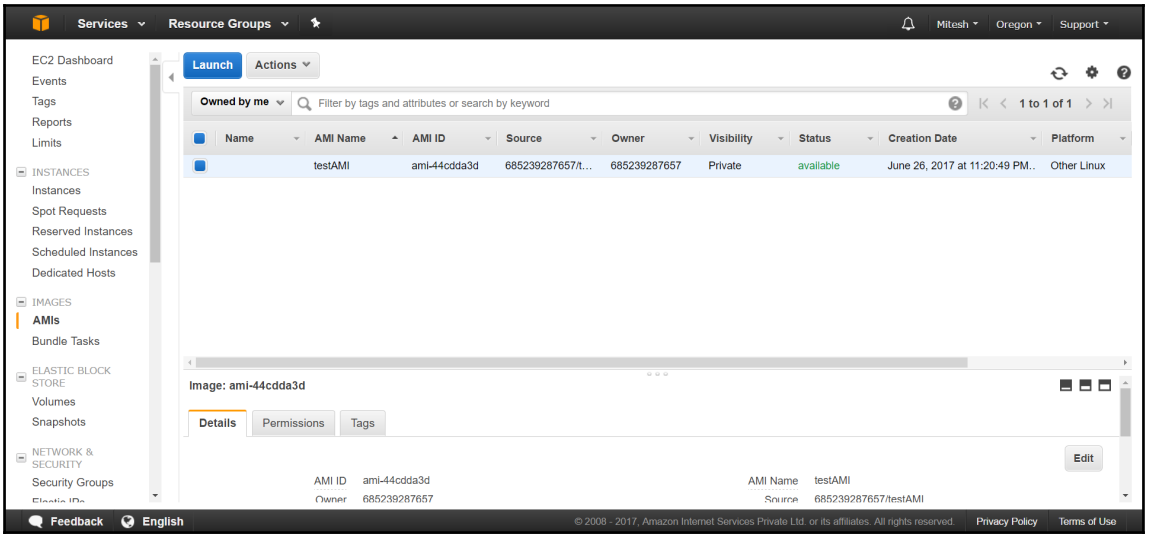
Services
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Mitesh
Oregon
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Tags
Reports
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INSTANCES
Instances
Spot Requests
Reserved Instances
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Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Launch
Actions
Owned by me
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
AMI Name
AMI ID
Source
Owner
Visibility
Status
Creation Date
Platform
testAMI
ami-44cdda3d
685239287657/t...
685239287657
Private
available
June 26, 2017 at 11:20:49 PM..
Other Linux
Image: ami-44cdda3d
Details
Permissions
Tags
Edit
AMI ID
ami-44cdda3d
AMI Name
testAMI
Owner
685239287657
Source
685239287657/testAMI
Feedback
English
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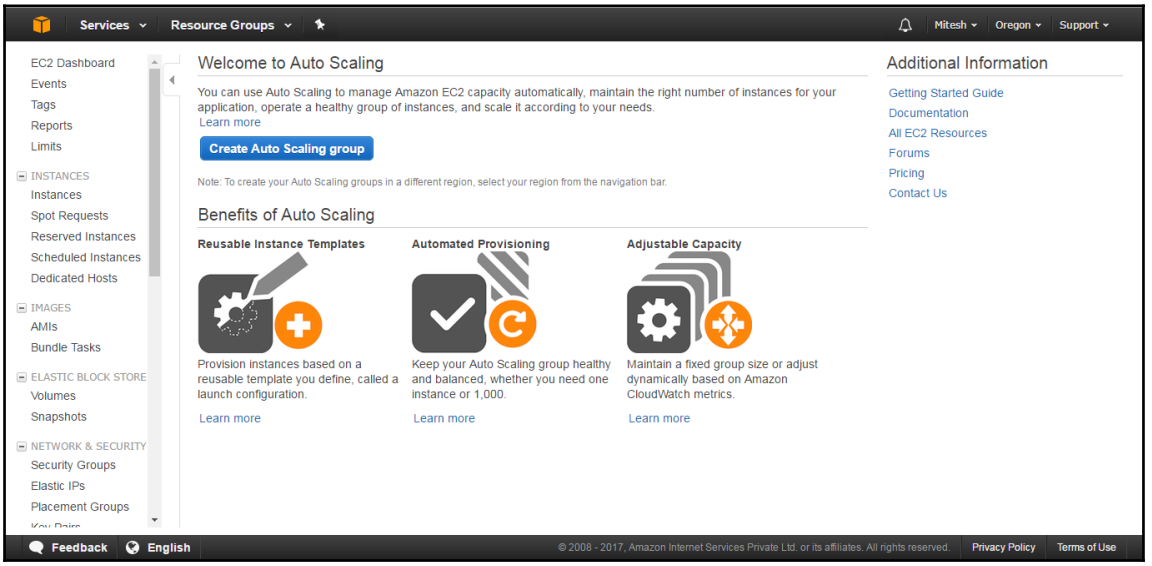
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Welcome to Auto Scaling
You can use Auto Scaling to manage Amazon EC2 capacity automatically, maintain the right number of instances for your application, operate a healthy group of instances, and scale it according to your needs.
Learn more
Create Auto Scaling group
Note: To create your Auto Scaling groups in a different region, select your region from the navigation bar.
Benefits of Auto Scaling
Reusable Instance Templates
Provision instances based on a reusable template you define, called a launch configuration.
Learn more
Automated Provisioning
Keep your Auto Scaling group healthy and balanced, whether you need one instance or 1,000.
Learn more
Adjustable Capacity
Maintain a fixed group size or adjust dynamically based on Amazon CloudWatch metrics.
Learn more
Additional Information
Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us
Feedback
English
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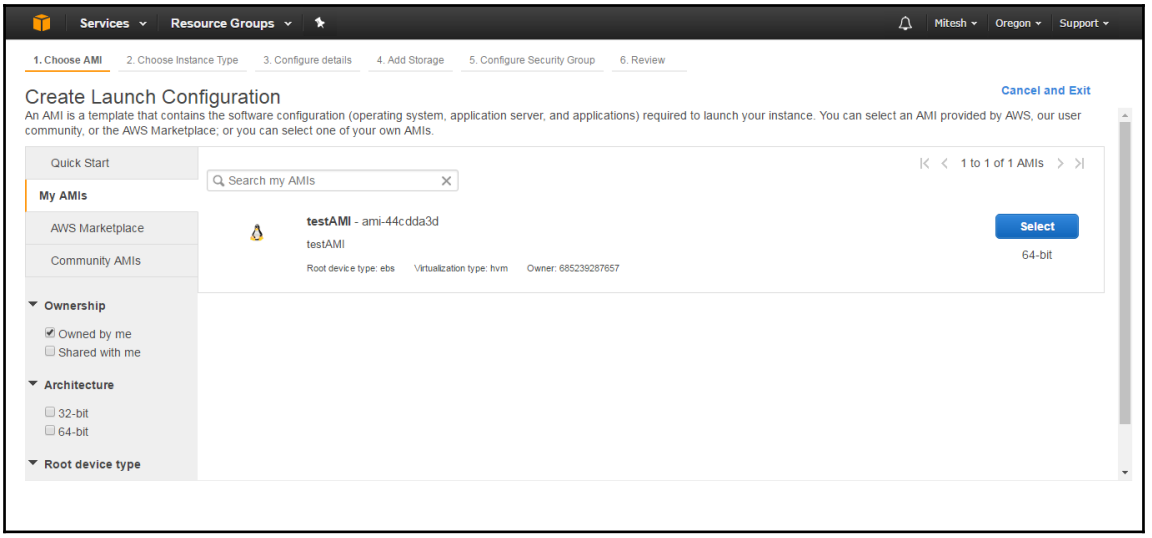
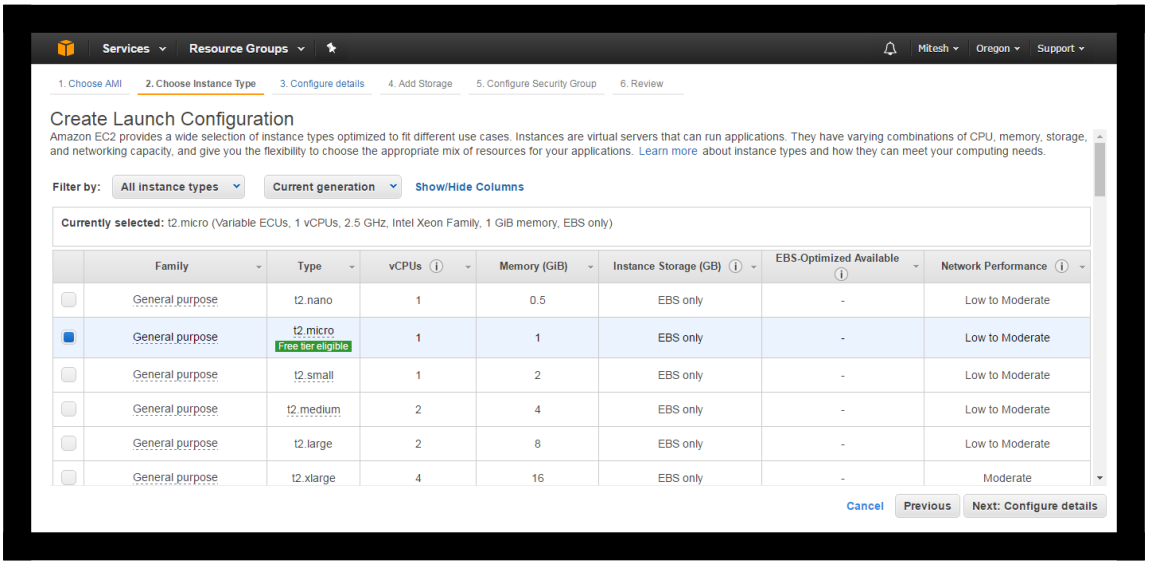
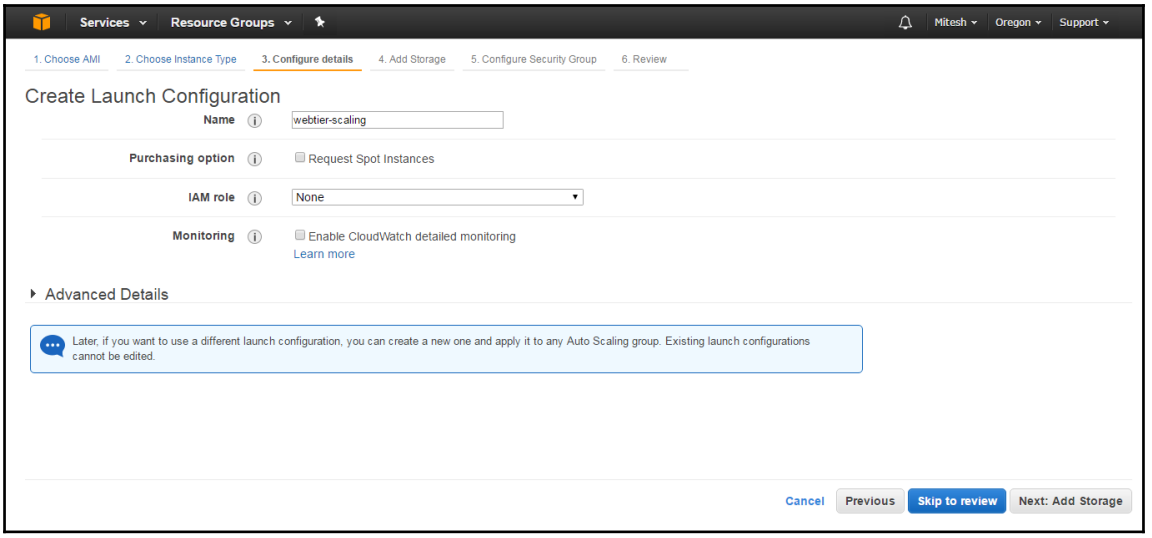
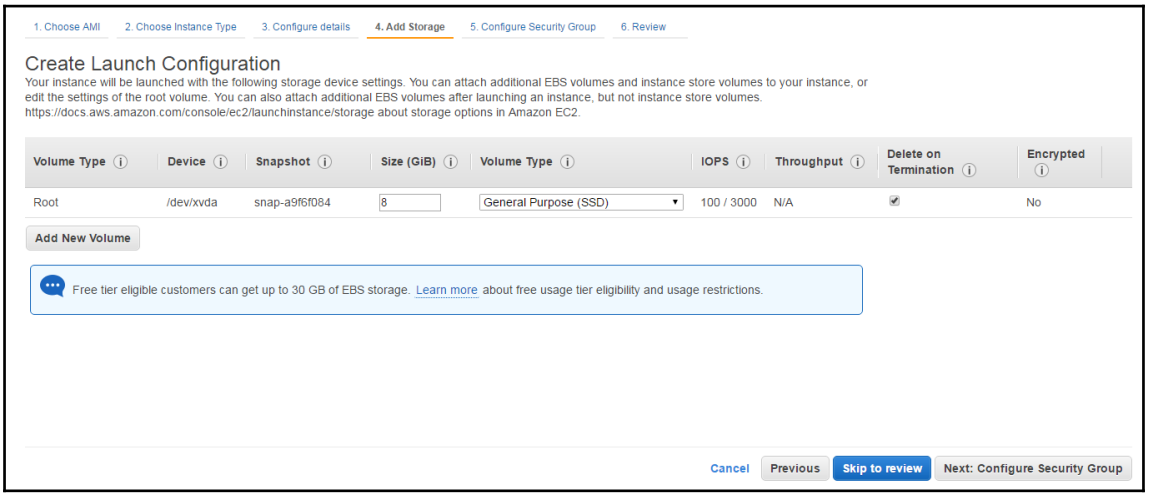
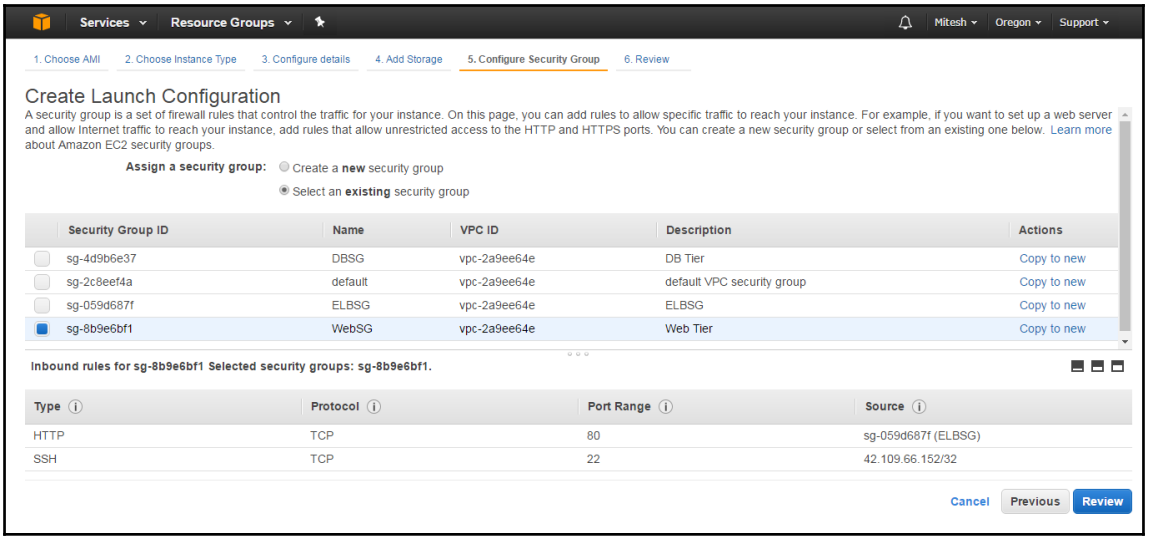
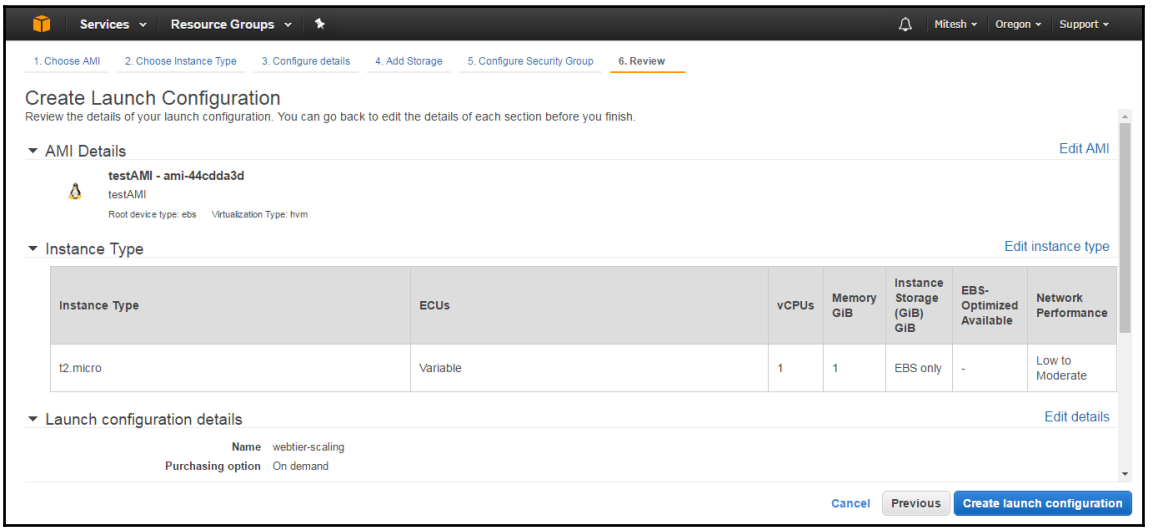

Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Cancel and Exit
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.
Quick Start
My AMIs
AWS Marketplace
Community AMIs
Search my AMIs
1 to 1 of 1 AMIs
testAMI - ami-44cdda3d
testAMI
Root device type: ebs
Virtualization type: hvm
Owner: 685239287657
Select
64-bit
Ownership
Owned by me
Shared with me
Architecture
32-bit
64-bit
Root device type

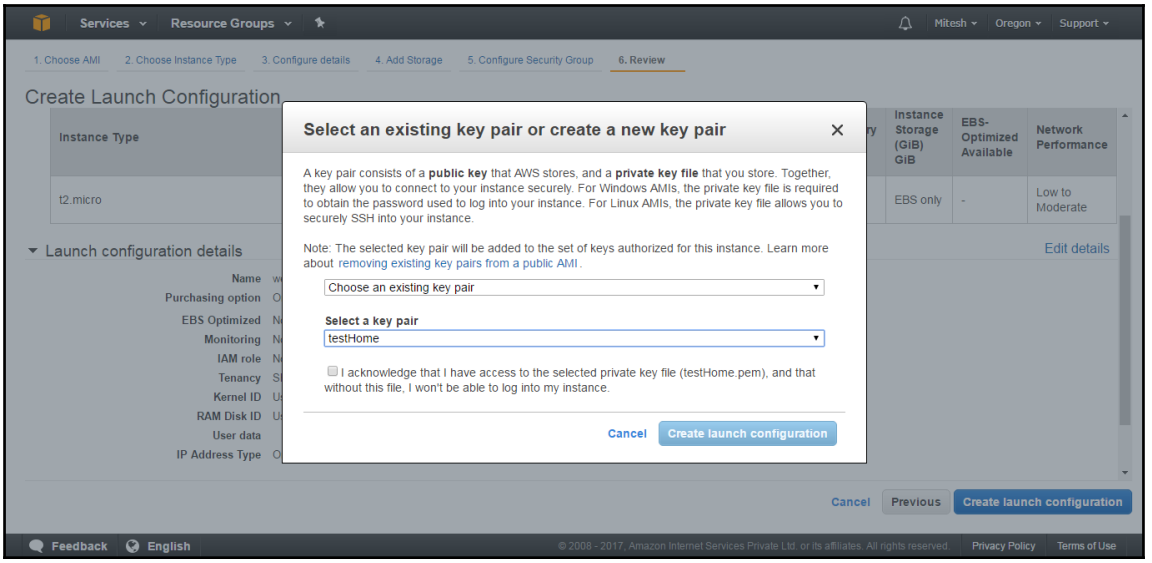

Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance types
Current generation
Show/Hide Columns
Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
General purpose
t2.nano
1
0.5
EBS only
-
Low to Moderate
General purpose
t2.micro
Free tier eligible
1
1
EBS only
-
Low to Moderate
General purpose
t2.small
1
2
EBS only
-
Low to Moderate
General purpose
t2.medium
2
4
EBS only
-
Low to Moderate
General purpose
t2.large
2
8
EBS only
-
Low to Moderate
General purpose
t2.xlarge
4
16
EBS only
-
Moderate
Cancel
Previous
Next: Configure details


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Name
webtier-scaling
Purchasing option
Request Spot Instances
IAM role
None
Monitoring
Enable CloudWatch detailed monitoring
Learn more
Advanced Details
Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.
Cancel
Previous
Skip to review
Next: Add Storage


1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes.
https://docs.aws.amazon.com/console/ec2/launchinstance/storage about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput
Delete on Termination
Encrypted
Root
/dev/xvda
snap-a9f6f084
8
General Purpose (SSD)
100 / 3000
N/A
No
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Skip to review
Next: Configure Security Group


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group:
Create a new security group
Select an existing security group
Security Group ID
Name
VPC ID
Description
Actions
sg-4d9b6e37
DBSG
vpc-2a9ee64e
DB Tier
Copy to new
sg-2c8eef4a
default
vpc-2a9ee64e
default VPC security group
Copy to new
sg-059d687f
ELBSG
vpc-2a9ee64e
ELBSG
Copy to new
sg-8b9e6bf1
WebSG
vpc-2a9ee64e
Web Tier
Copy to new
Inbound rules for sg-8b9e6bf1 Selected security groups: sg-8b9e6bf1.
Type
Protocol
Port Range
Source
HTTP
TCP
80
sg-059d687f (ELBSG)
SSH
TCP
22
42.109.66.152/32
Cancel
Previous
Review


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Review the details of your launch configuration. You can go back to edit the details of each section before you finish.
AMI Details
Edit AMI
testAMI - ami-44cdda3d
testAMI
Root device type: ebs
Virtualization Type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory GiB
Instance Storage (GiB) GiB
EBS-Optimized Available
Network Performance
t2.micro
Variable
1
1
EBS only
-
Low to Moderate
Launch configuration details
Edit details
Name
webtier-scaling
Purchasing option
On demand
Cancel
Previous
Create launch configuration


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Instance Type
Instance Storage (GiB) GiB
EBS-Optimized Available
Network Performance
t2.micro
EBS only
-
Low to Moderate
Launch configuration details
Edit details
Name
Purchasing option
EBS Optimized
Monitoring
IAM role
Tenancy
Kernel ID
RAM Disk ID
User data
IP Address Type
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Choose an existing key pair
Select a key pair
testHome
I acknowledge that I have access to the selected private key file (testHome.pem), and that without this file, I won't be able to log into my instance.
Cancel
Create launch configuration
Cancel
Previous
Create launch configuration
Feedback
English
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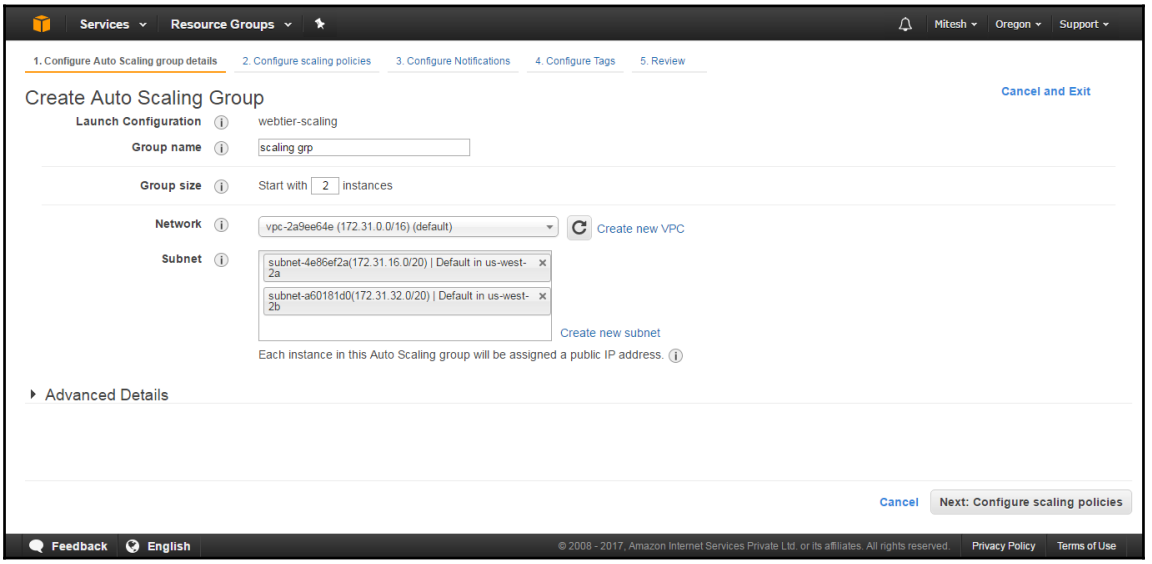
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Cancel and Exit
Launch Configuration
webtier-scaling
Group name
scaling grp
Group size
Start with 2 instances
Network
vpc-2a9ee64e (172.31.0.0/16) (default)
Create new VPC
Subnet
subnet-4e86ef2a(172.31.16.0/20) | Default in us-west-2a
subnet-a60181d0(172.31.32.0/20) | Default in us-west-2b
Create new subnet
Each instance in this Auto Scaling group will be assigned a public IP address.
Advanced Details
Cancel
Next: Configure scaling policies
Feedback
English
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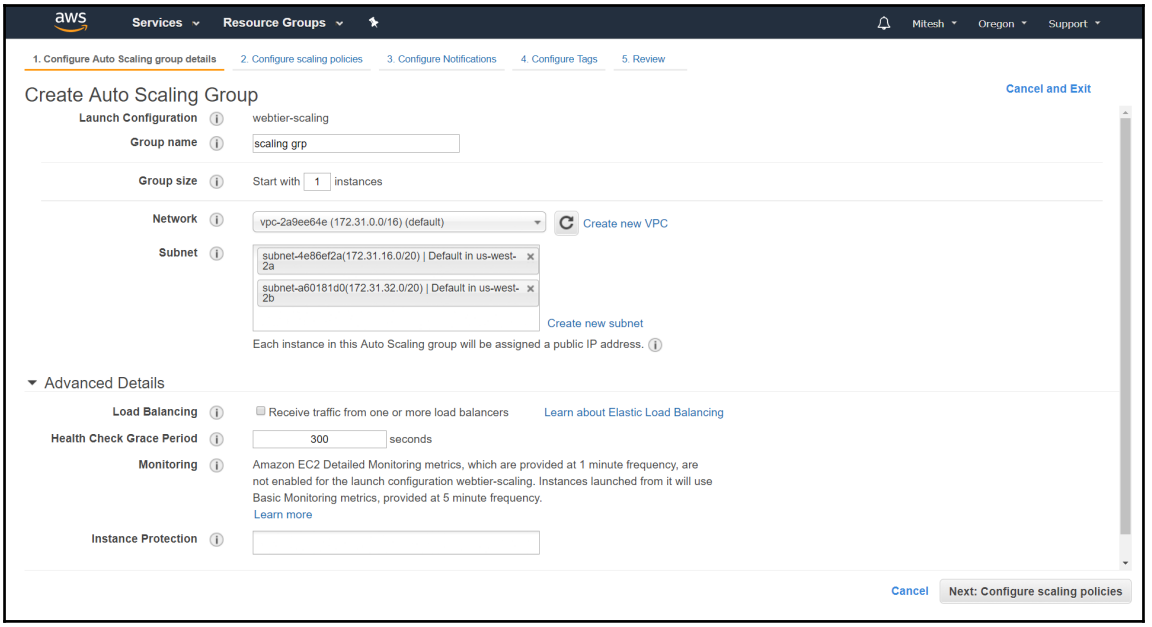
aws
Services
Resource Groups
Mitesh
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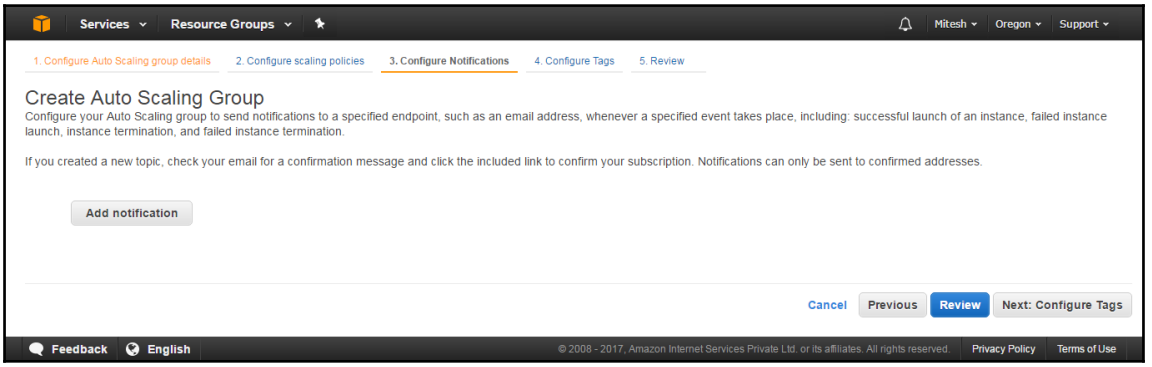
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Cancel and Exit
Launch Configuration
webtier-scaling
Group name
scaling grp
Group size
Start with 1 instances
Network
vpc-2a9ee64e (172.31.0.0/16) (default)
Create new VPC
Subnet
subnet-4e86ef2a(172.31.16.0/20) | Default in us-west-2a
subnet-a60181d0(172.31.32.0/20) | Default in us-west-2b
Create new subnet
Each instance in this Auto Scaling group will be assigned a public IP address.
Advanced Details
Load Balancing
Receive traffic from one or more load balancers
Learn about Elastic Load Balancing
Health Check Grace Period
300
seconds
Monitoring
Amazon EC2 Detailed Monitoring metrics, which are provided at 1 minute frequency, are not enabled for the launch configuration webtier-scaling. Instances launched from it will use Basic Monitoring metrics, provided at 5 minute frequency.
Learn more
Instance Protection
Cancel
Next: Configure scaling policies


Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Configure your Auto Scaling group to send notifications to a specified endpoint, such as an email address, whenever a specified event takes place, including: successful launch of an instance, failed instance launch, instance termination, and failed instance termination.
If you created a new topic, check your email for a confirmation message and click the included link to confirm your subscription. Notifications can only be sent to confirmed addresses.
Add notification
Cancel
Previous
Review
Next: Configure Tags
Feedback
English
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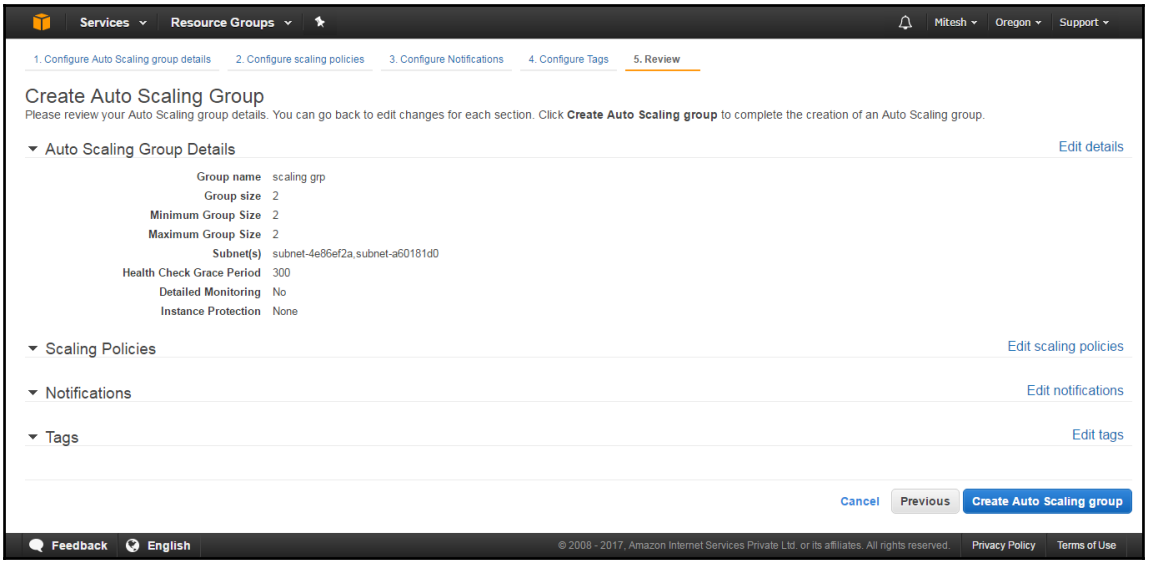
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Please review your Auto Scaling group details. You can go back to edit changes for each section. Click Create Auto Scaling group to complete the creation of an Auto Scaling group.
Auto Scaling Group Details
Edit details
Group name scaling grp
Group size 2
Minimum Group Size 2
Maximum Group Size 2
Subnet(s) subnet-4e86ef2a,subnet-a60181d0
Health Check Grace Period 300
Detailed Monitoring No
Instance Protection None
Scaling Policies
Edit scaling policies
Notifications
Edit notifications
Tags
Edit tags
Cancel
Previous
Create Auto Scaling group
Feedback
English
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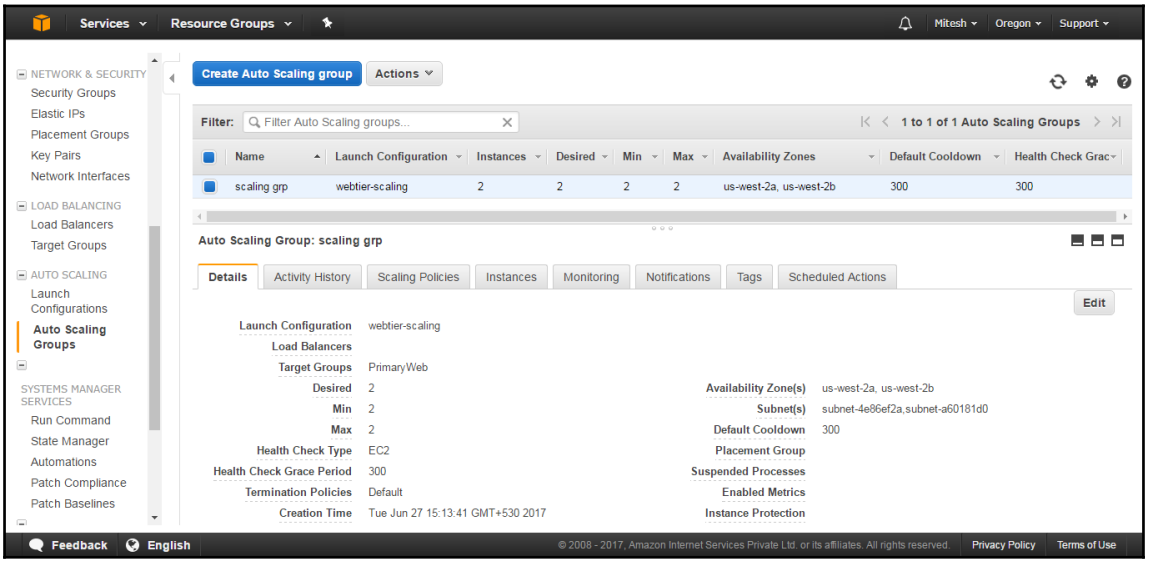
Services
Resource Groups
Mitesh
Oregon
Support
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Run Command
State Manager
Automations
Patch Compliance
Patch Baselines
Create Auto Scaling group
Actions
Filter: Filter Auto Scaling groups...
1 to 1 of 1 Auto Scaling Groups
Name
Launch Configuration
Instances
Desired
Min
Max
Availability Zones
Default Cooldown
Health Check Grac
scaling grp
webtier-scaling
2
2
2
2
us-west-2a, us-west-2b
300
300
Auto Scaling Group: scaling grp
Details
Activity History
Scaling Policies
Instances
Monitoring
Notifications
Tags
Scheduled Actions
Edit
Launch Configuration webtier-scaling
Load Balancers
Target Groups PrimaryWeb
Desired 2
Min 2
Max 2
Health Check Type EC2
Health Check Grace Period 300
Termination Policies Default
Creation Time Tue Jun 27 15:13:41 GMT+530 2017
Availability Zone(s) us-west-2a, us-west-2b
Subnet(s) subnet-4e86ef2a,subnet-a60181d0
Default Cooldown 300
Placement Group
Suspended Processes
Enabled Metrics
Instance Protection
Feedback
English
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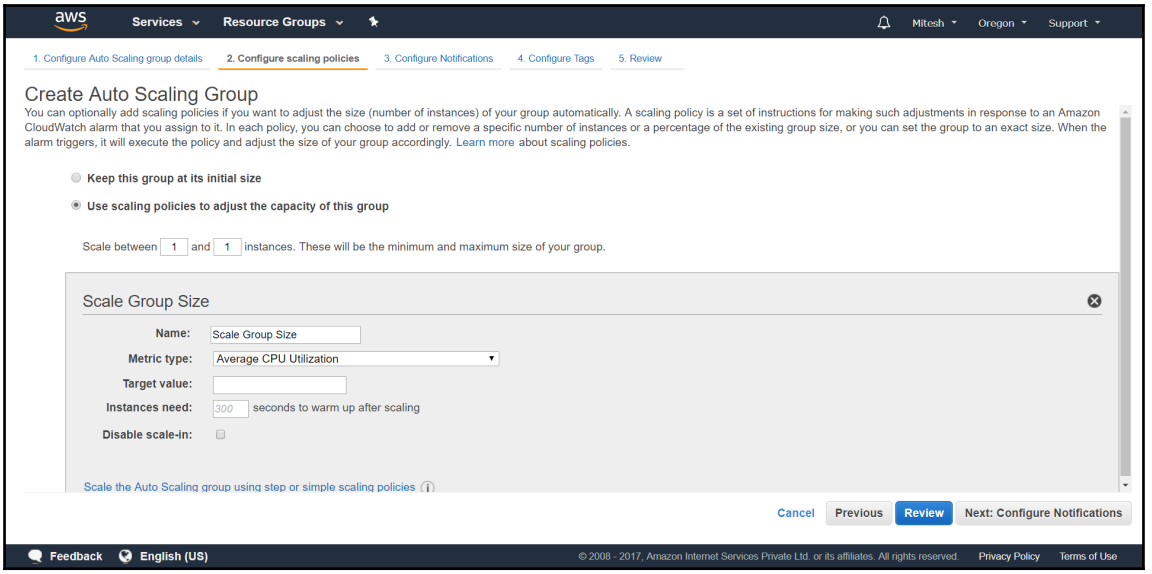
aws
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
You can optionally add scaling policies if you want to adjust the size (number of instances) of your group automatically. A scaling policy is a set of instructions for making such adjustments in response to an Amazon CloudWatch alarm that you assign to it. In each policy, you can choose to add or remove a specific number of instances or a percentage of the existing group size, or you can set the group to an exact size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. Learn more about scaling policies.
Keep this group at its initial size
Use scaling policies to adjust the capacity of this group
Scale between 1 and 1 instances. These will be the minimum and maximum size of your group.
Scale Group Size
Name: Scale Group Size
Metric type: Average CPU Utilization
Target value:
Instances need: 300 seconds to warm up after scaling
Disable scale-in:
Scale the Auto Scaling group using step or simple scaling policies
Cancel
Previous
Review
Next: Configure Notifications
Feedback
English (US)
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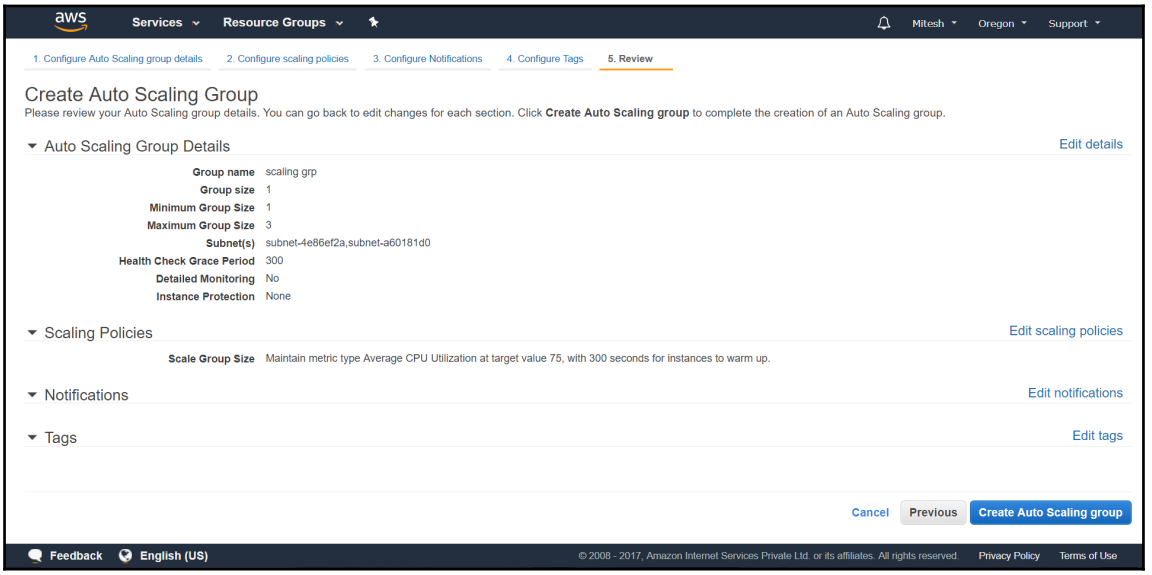
aws
Services
Resource Groups
Mitesh
Oregon
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Please review your Auto Scaling group details. You can go back to edit changes for each section. Click Create Auto Scaling group to complete the creation of an Auto Scaling group.
Auto Scaling Group Details
Edit details
Group name scaling grp
Group size 1
Minimum Group Size 1
Maximum Group Size 3
Subnet(s) subnet-4e86ef2a,subnet-a60181d0
Health Check Grace Period 300
Detailed Monitoring No
Instance Protection None
Scaling Policies
Edit scaling policies
Scale Group Size Maintain metric type Average CPU Utilization at target value 75, with 300 seconds for instances to warm up.
Notifications
Edit notifications
Tags
Edit tags
Cancel
Previous
Create Auto Scaling group
Feedback
English (US)
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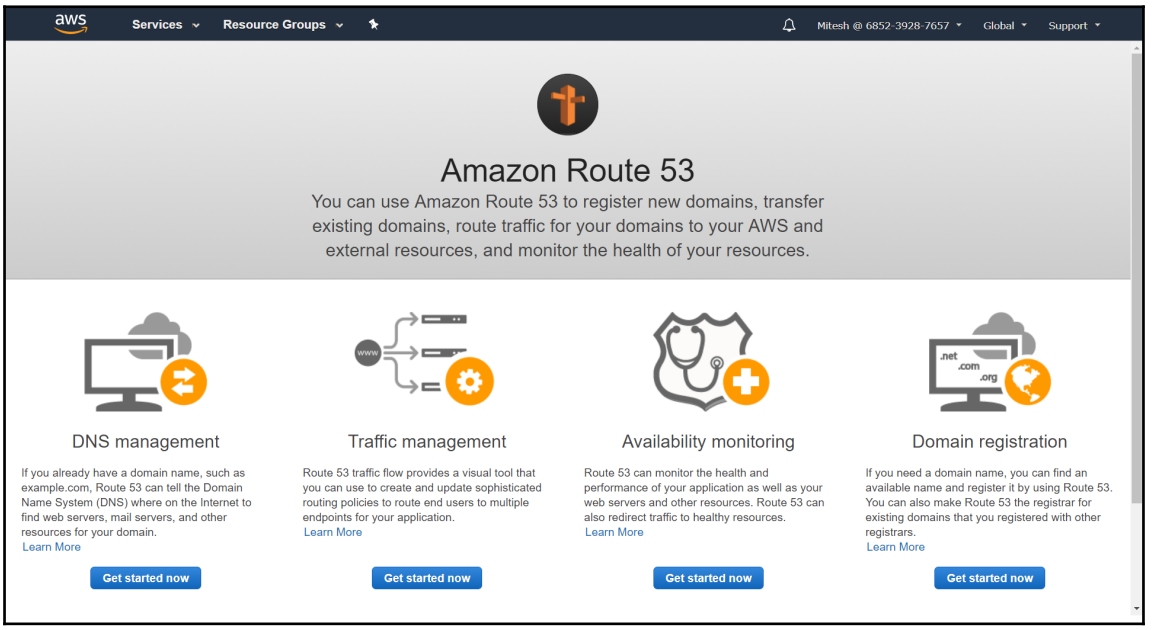
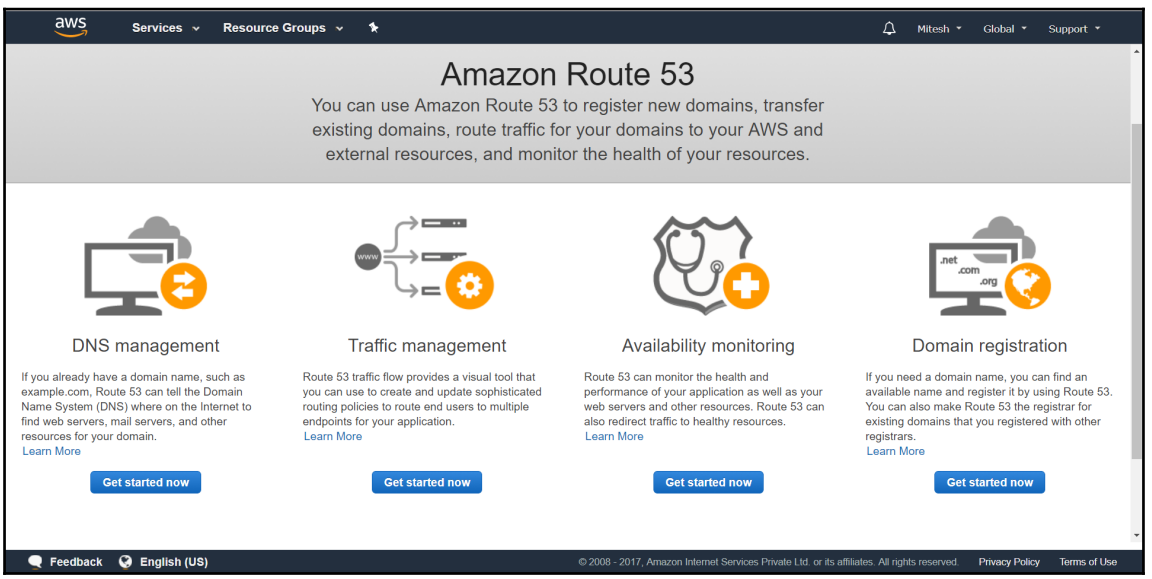
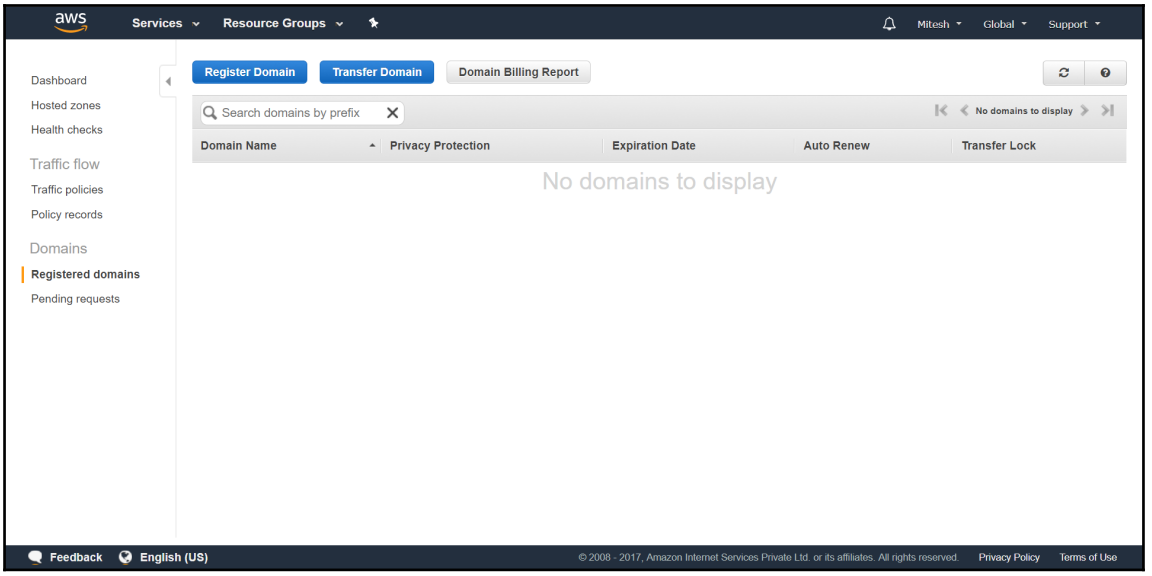
Chapter 5: Amazon Route 53






aws
Services
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Mitesh
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Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Register Domain
Transfer Domain
Domain Billing Report
Search domains by prefix
No domains to display
Domain Name
Privacy Protection
Expiration Date
Auto Renew
Transfer Lock
No domains to display
Feedback
English (US)
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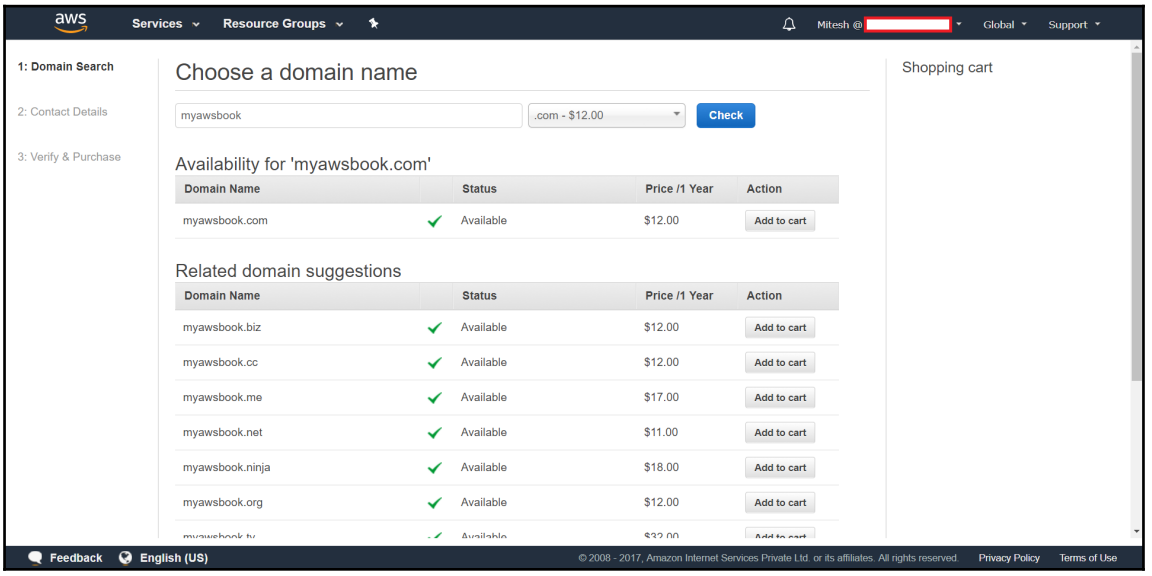
aws
Services
Resource Groups
Mitesh @
Global
Support
1: Domain Search
2: Contact Details
3: Verify & Purchase
Choose a domain name
myawsbook
.com - $12.00
Check
Shopping cart
Availability for 'myawsbook.com'
Domain Name
Status
Price /1 Year
Action
myawsbook.com
Available
$12.00
Add to cart
Related domain suggestions
Domain Name
Status
Price /1 Year
Action
myawsbook.biz
Available
$12.00
Add to cart
myawsbook.cc
Available
$12.00
Add to cart
myawsbook.me
Available
$17.00
Add to cart
myawsbook.net
Available
$11.00
Add to cart
myawsbook.ninja
Available
$18.00
Add to cart
myawsbook.org
Available
$12.00
Add to cart
Feedback
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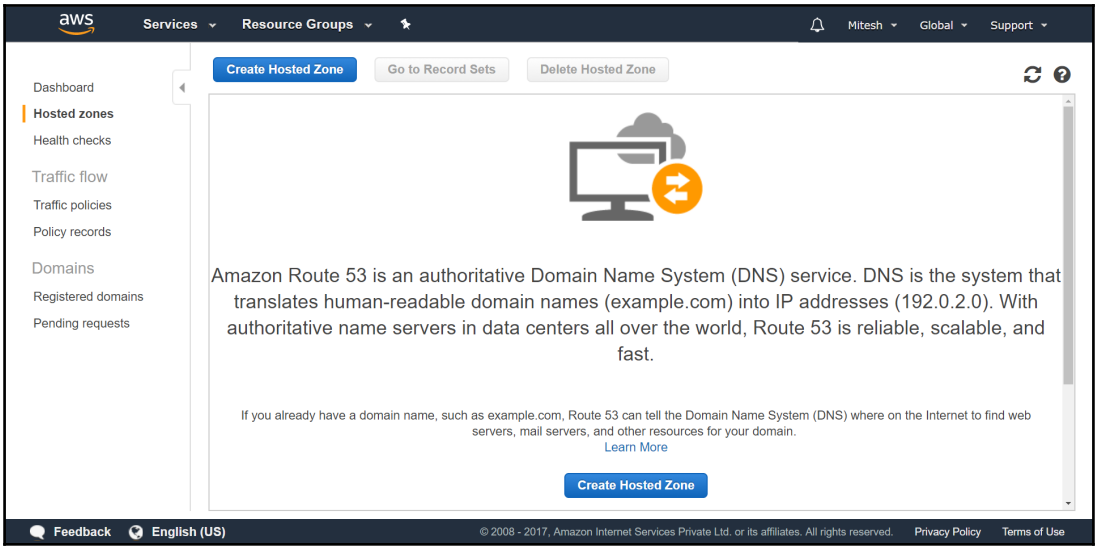
aws
Services
Resource Groups
Mitesh
Global
Support
Create Hosted Zone
Go to Record Sets
Delete Hosted Zone
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Amazon Route 53 is an authoritative Domain Name System (DNS) service. DNS is the system that translates human-readable domain names (example.com) into IP addresses (192.0.2.0). With authoritative name servers in data centers all over the world, Route 53 is reliable, scalable, and fast.
If you already have a domain name, such as example.com, Route 53 can tell the Domain Name System (DNS) where on the Internet to find web servers, mail servers, and other resources for your domain.
Learn More
Create Hosted Zone
Feedback
English (US)
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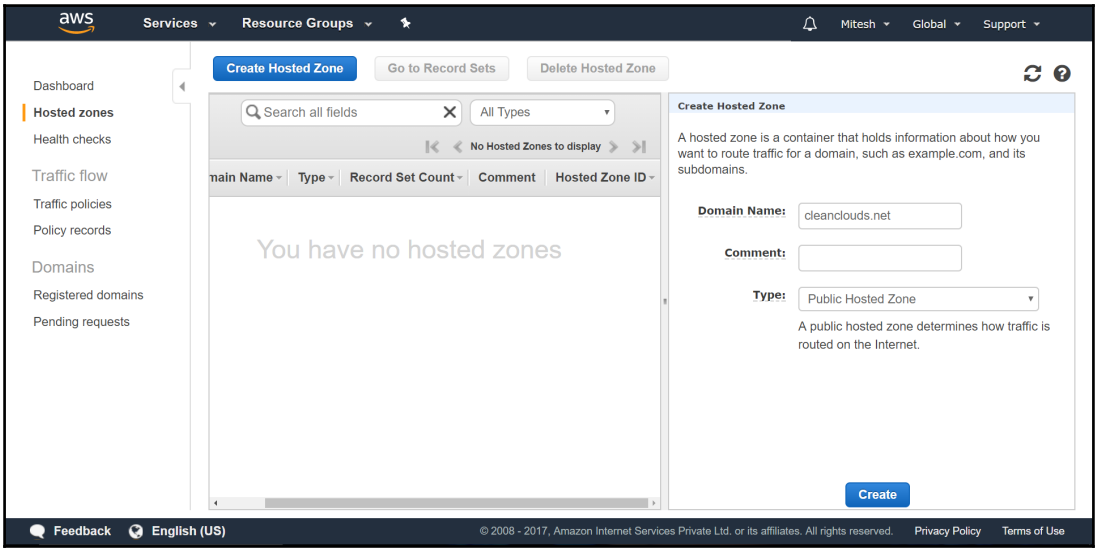
aws
Services
Resource Groups
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Global
Support
Create Hosted Zone
Go to Record Sets
Delete Hosted Zone
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Search all fields
All Types
No Hosted Zones to display
Type
Record Set Count
Comment
Hosted Zone ID
You have no hosted zones
Create Hosted Zone
A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.
Domain Name:
cleanclouds.net
Comment:
Type:
Public Hosted Zone
A public hosted zone determines how traffic is routed on the Internet.
Create
Feedback
English (US)
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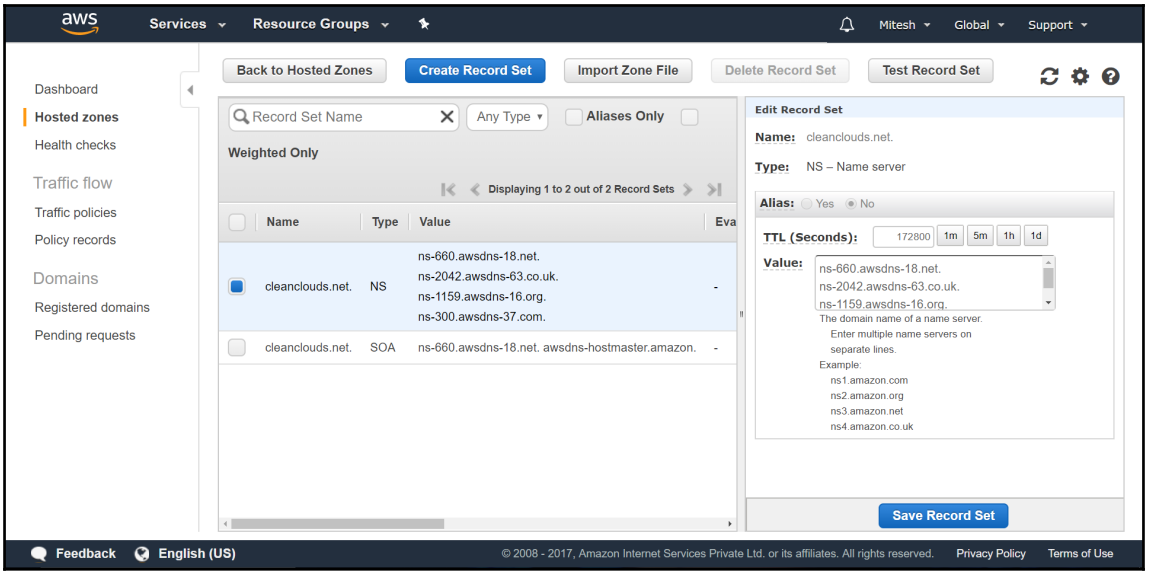
aws
Services
Resource Groups
Mitesh
Global
Support
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Back to Hosted Zones
Create Record Set
Import Zone File
Delete Record Set
Test Record Set
Record Set Name
Any Type
Aliases Only
Weighted Only
Displaying 1 to 2 out of 2 Record Sets
Name
Type
Value
Eva
cleanclouds.net.
NS
ns-660.awsdns-18.net.
ns-2042.awsdns-63.co.uk.
ns-1159.awsdns-16.org.
ns-300.awsdns-37.com.
cleanclouds.net.
SOA
ns-660.awsdns-18.net. awsdns-hostmaster.amazon.
Edit Record Set
Name: cleanclouds.net.
Type: NS – Name server
Alias: Yes No
TTL (Seconds): 172800 1m 5m 1h 1d
Value:
ns-660.awsdns-18.net.
ns-2042.awsdns-63.co.uk.
ns-1159.awsdns-16.org.
The domain name of a name server.
Enter multiple name servers on separate lines.
Example:
ns1.amazon.com
ns2.amazon.org
ns3.amazon.net
ns4.amazon.co.uk
Save Record Set
Feedback
English (US)
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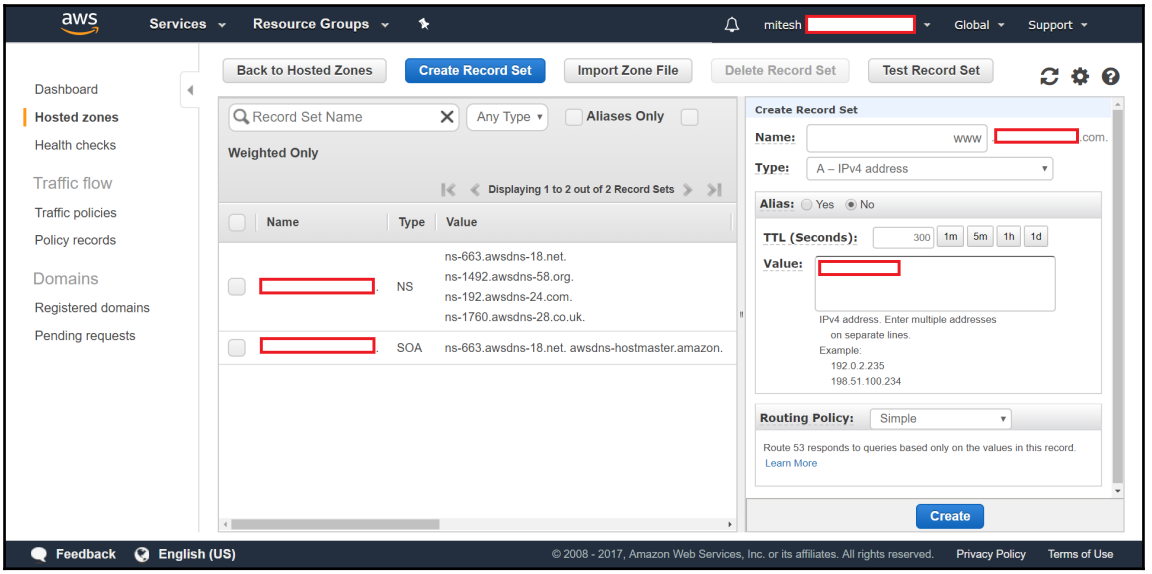
aws
Services
Resource Groups
mitesh
Global
Support
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Back to Hosted Zones
Create Record Set
Import Zone File
Delete Record Set
Test Record Set
Record Set Name
Any Type
Aliases Only
Weighted Only
Displaying 1 to 2 out of 2 Record Sets
Name
Type
Value
NS
ns-663.awsdns-18.net.
ns-1492.awsdns-58.org.
ns-192.awsdns-24.com.
ns-1760.awsdns-28.co.uk.
SOA
ns-663.awsdns-18.net. awsdns-hostmaster.amazon.
Create Record Set
Name: www .com.
Type: A – IPv4 address
Alias: Yes No
TTL (Seconds): 300 1m 5m 1h 1d
Value:
IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234
Routing Policy: Simple
Route 53 responds to queries based only on the values in this record.
Learn More
Create
Feedback
English (US)
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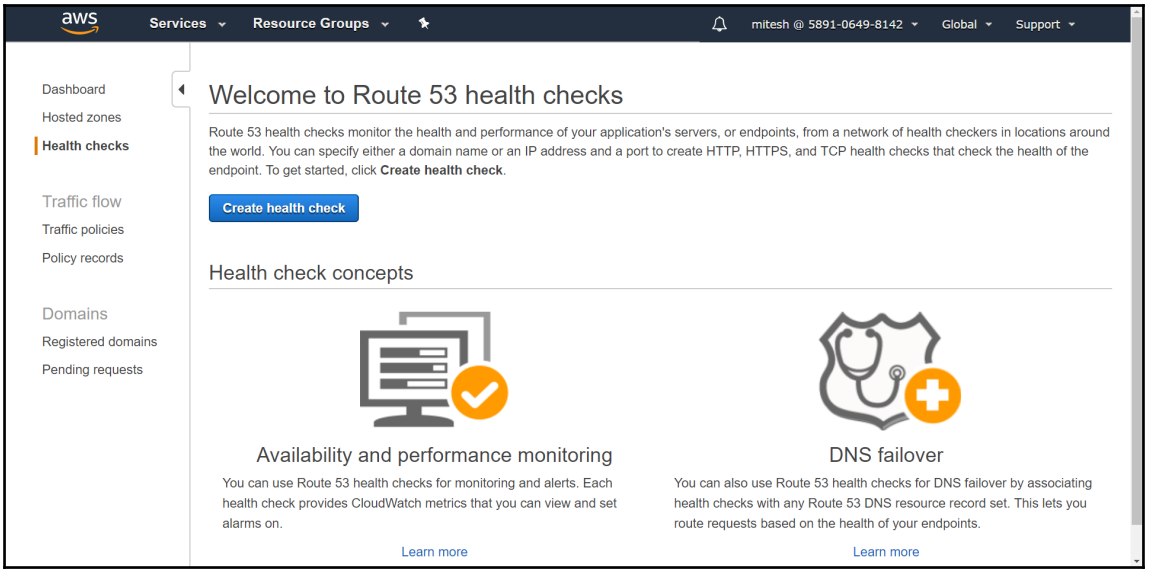
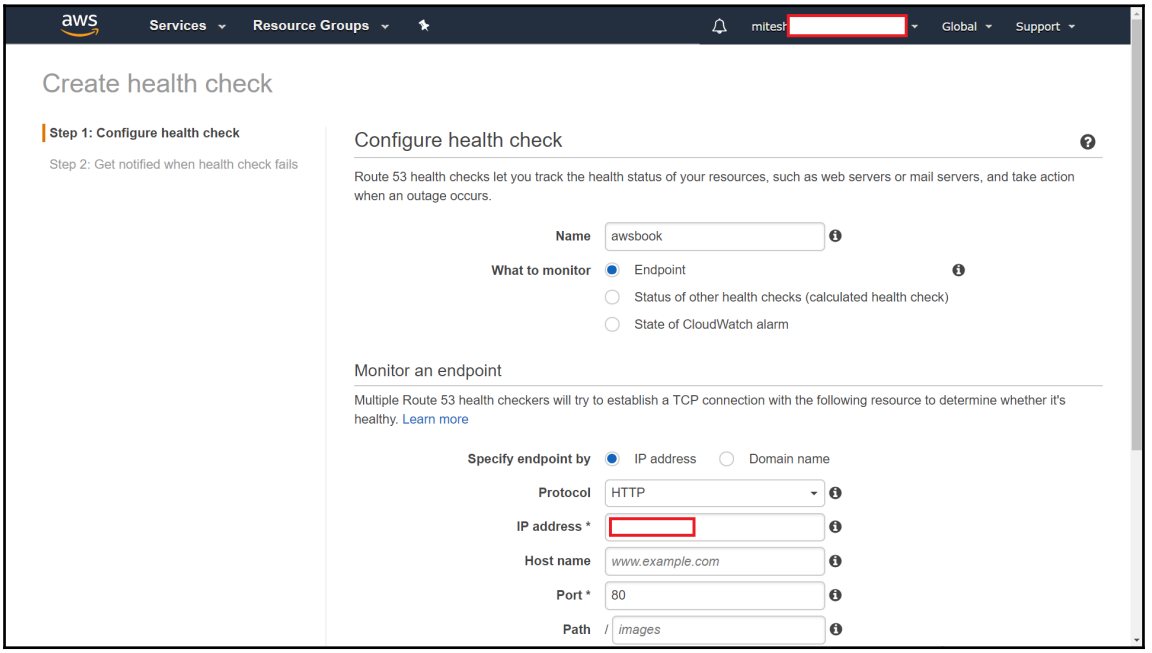
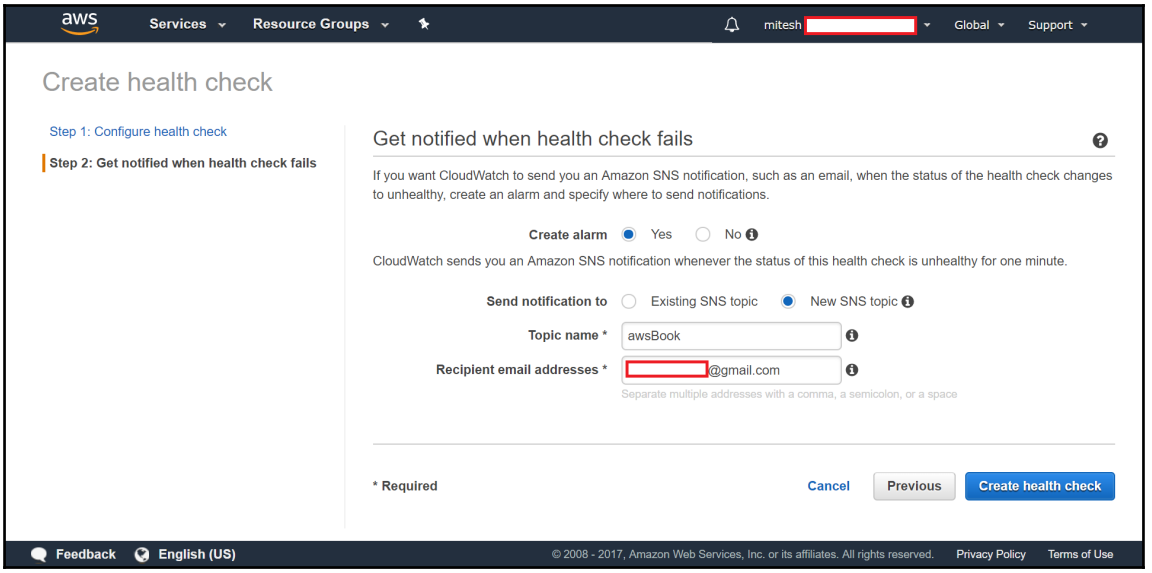

aws
Services
Resource Groups
mitesh @ 5891-0649-8142
Global
Support
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Welcome to Route 53 health checks
Route 53 health checks monitor the health and performance of your application's servers, or endpoints, from a network of health checkers in locations around the world. You can specify either a domain name or an IP address and a port to create HTTP, HTTPS, and TCP health checks that check the health of the endpoint. To get started, click Create health check.
Create health check
Health check concepts
Availability and performance monitoring
You can use Route 53 health checks for monitoring and alerts. Each health check provides CloudWatch metrics that you can view and set alarms on.
Learn more
DNS failover
You can also use Route 53 health checks for DNS failover by associating health checks with any Route 53 DNS resource record set. This lets you route requests based on the health of your endpoints.
Learn more


aws
Services
Resource Groups
mitesh
Global
Support
Create health check
Step 1: Configure health check
Step 2: Get notified when health check fails
Configure health check
Route 53 health checks let you track the health status of your resources, such as web servers or mail servers, and take action when an outage occurs.
Name
awsbook
What to monitor
Endpoint
Status of other health checks (calculated health check)
State of CloudWatch alarm
Monitor an endpoint
Multiple Route 53 health checkers will try to establish a TCP connection with the following resource to determine whether it's healthy. Learn more
Specify endpoint by
IP address
Domain name
Protocol
HTTP
IP address *
Host name
www.example.com
Port *
80
Path
/
images


aws
Services
Resource Groups
mitesh
Global
Support
Create health check
Step 1: Configure health check
Step 2: Get notified when health check fails
Get notified when health check fails
If you want CloudWatch to send you an Amazon SNS notification, such as an email, when the status of the health check changes to unhealthy, create an alarm and specify where to send notifications.
Create alarm
Yes
No
CloudWatch sends you an Amazon SNS notification whenever the status of this health check is unhealthy for one minute.
Send notification to
Existing SNS topic
New SNS topic
Topic name *
awsBook
Recipient email addresses *
@gmail.com
Separate multiple addresses with a comma, a semicolon, or a space
* Required
Cancel
Previous
Create health check
Feedback
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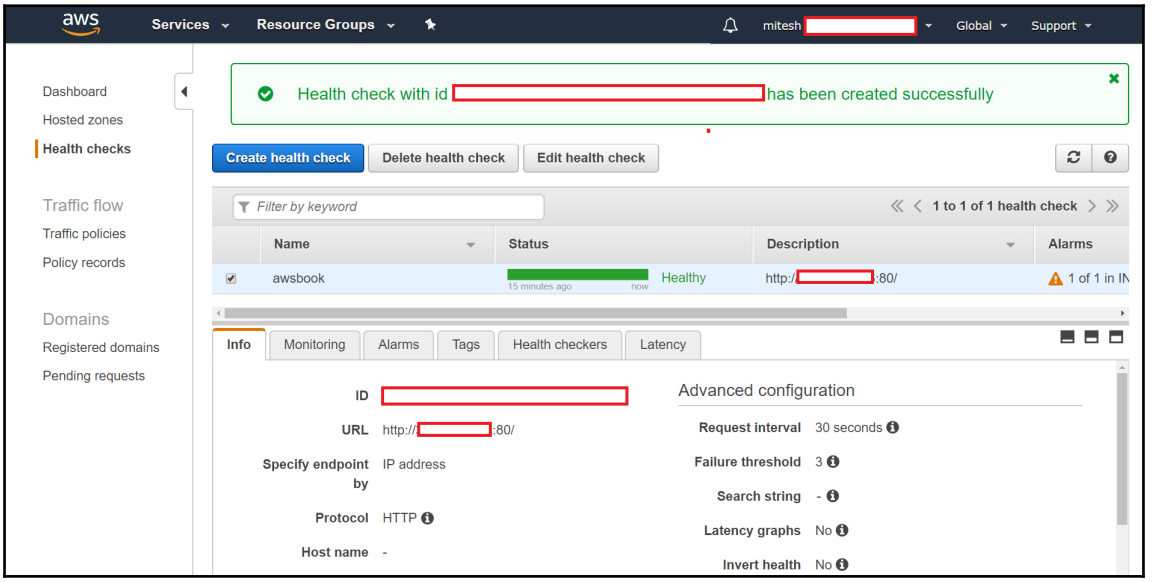
aws
Services
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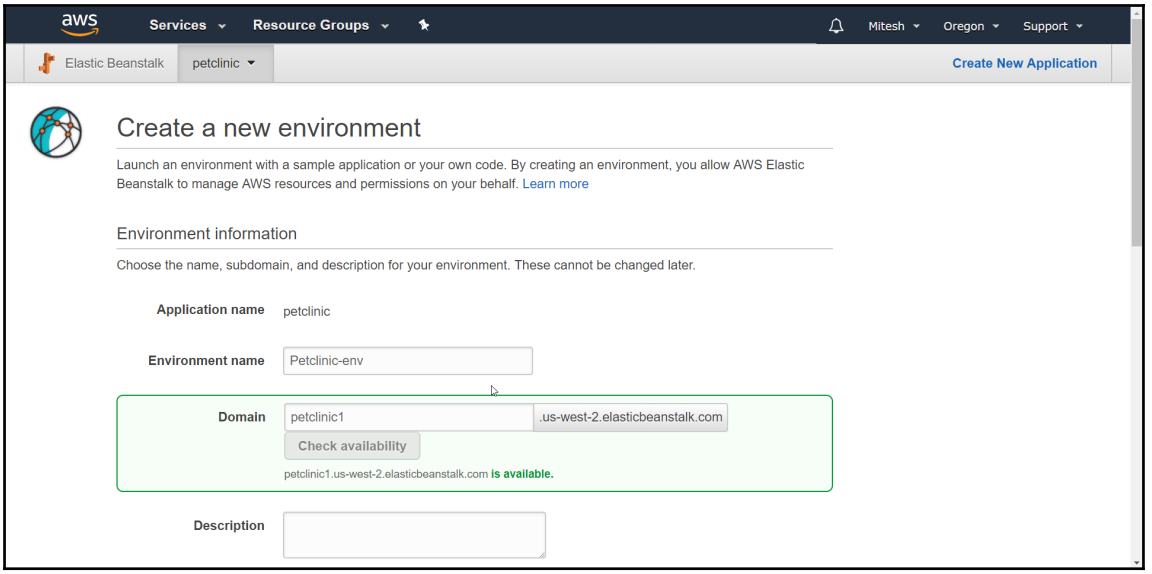
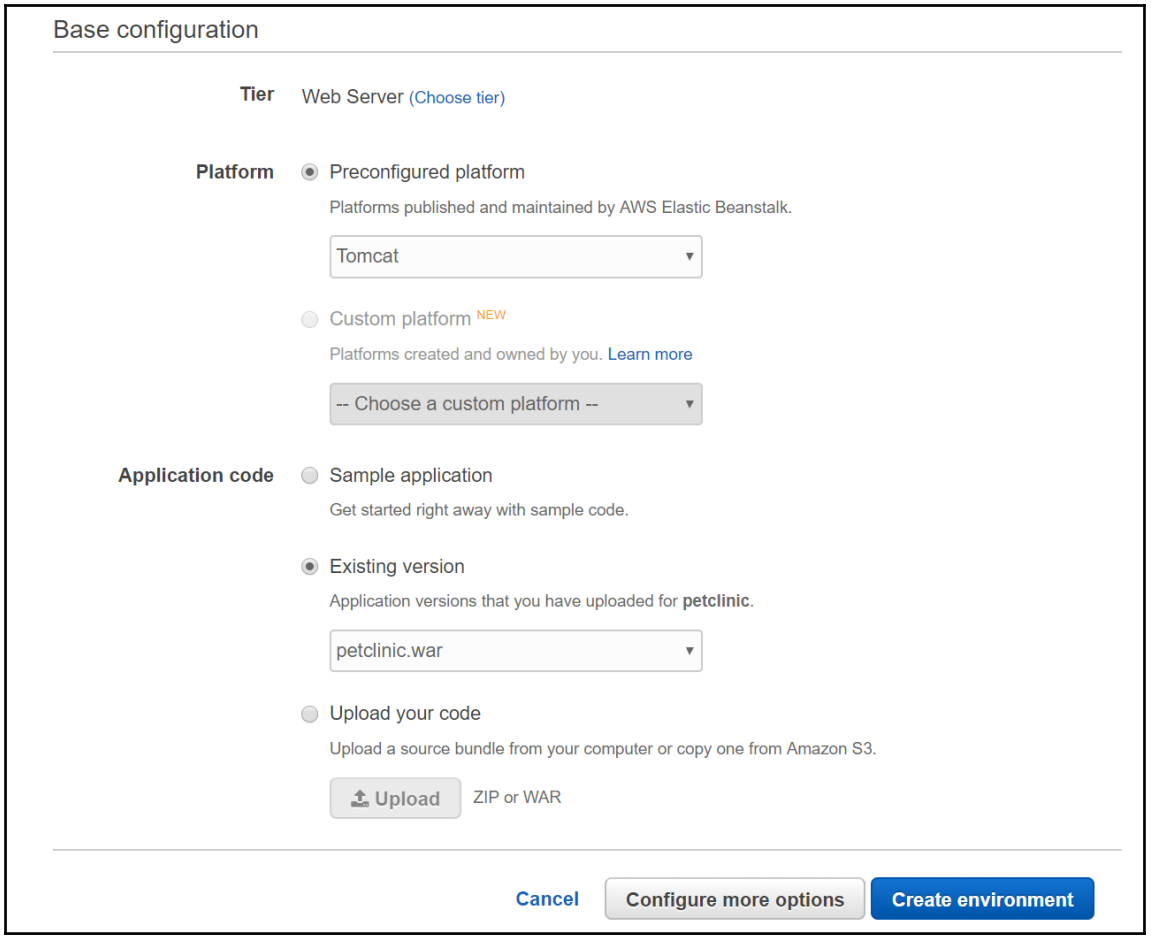
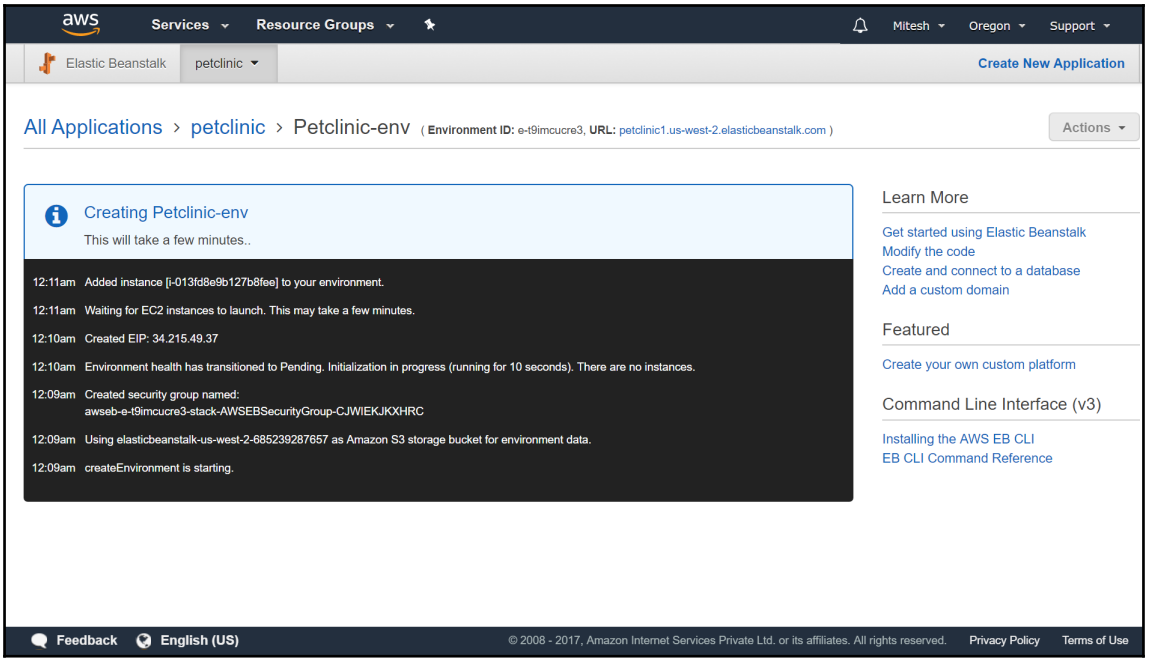
Dashboard
Hosted zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Health check with id has been created successfully
Create health check
Delete health check
Edit health check
Filter by keyword
1 to 1 of 1 health check
Name
Status
Description
Alarms
awsbook
15 minutes ago
now
Healthy
http:
:80/
1 of 1 in IN
Info
Monitoring
Alarms
Tags
Health checkers
Latency
ID
URL
http://
:80/
Specify endpoint by
IP address
Protocol
HTTP
Host name
-
Advanced configuration
Request interval
30 seconds
Failure threshold
3
Search string
-
Latency graphs
No
Invert health
No


aws
Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
Create a new environment
Launch an environment with a sample application or your own code. By creating an environment, you allow AWS Elastic Beanstalk to manage AWS resources and permissions on your behalf. Learn more
Environment information
Choose the name, subdomain, and description for your environment. These cannot be changed later.
Application name
petclinic
Environment name
Petclinic-env
Domain
petclinic1
.us-west-2.elasticbeanstalk.com
Check availability
petclinic1.us-west-2.elasticbeanstalk.com is available.
Description


Base configuration
Tier
Web Server (Choose tier)
Platform
Preconfigured platform
Platforms published and maintained by AWS Elastic Beanstalk.
Tomcat
Custom platform NEW
Platforms created and owned by you. Learn more
-- Choose a custom platform --
Application code
Sample application
Get started right away with sample code.
Existing version
Application versions that you have uploaded for petclinic.
petclinic.war
Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.
Upload
ZIP or WAR
Cancel
Configure more options
Create environment


aws
Services
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Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications > petclinic > Petclinic-env (Environment ID: e-t9imcucre3, URL: petclinic1.us-west-2.elasticbeanstalk.com)
Actions
Creating Petclinic-env
This will take a few minutes..
12:11am Added instance [i-013fd8e9b127b8fee] to your environment.
12:11am Waiting for EC2 instances to launch. This may take a few minutes.
12:10am Created EIP: 34.215.49.37
12:10am Environment health has transitioned to Pending. Initialization in progress (running for 10 seconds). There are no instances.
12:09am Created security group named: awseb-e-t9imcucre3-stack-AWSEBSecurityGroup-CJWIEKJKXHRC
12:09am Using elasticbeanstalk-us-west-2-685239287657 as Amazon S3 storage bucket for environment data.
12:09am createEnvironment is starting.
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Featured
Create your own custom platform
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference
Feedback
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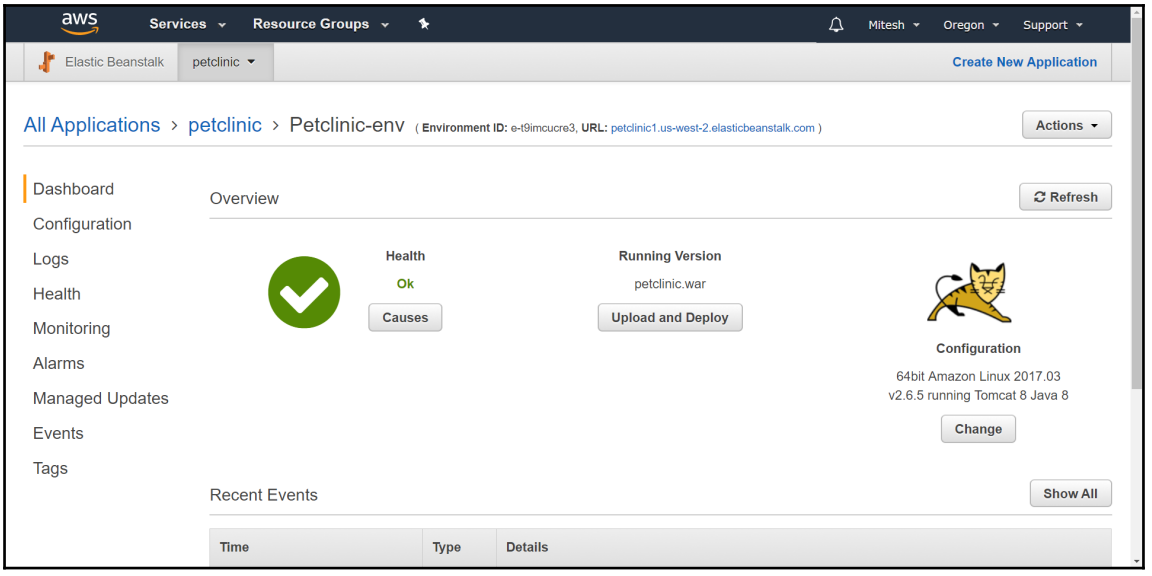
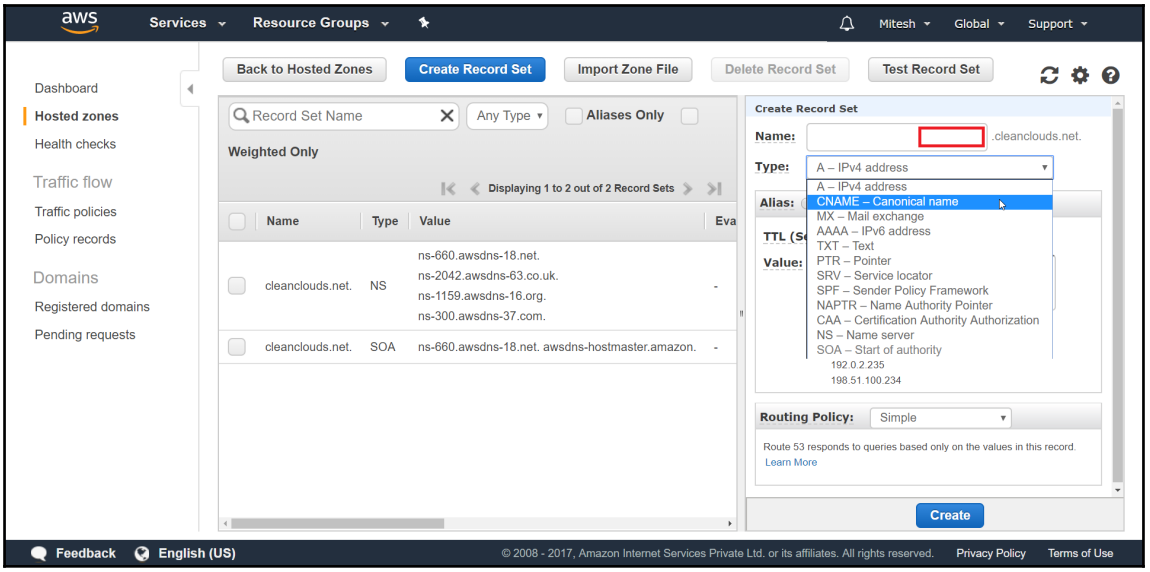

aws
Services
Resource Groups
Mitesh
Oregon
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications > petclinic > Petclinic-env (Environment ID: e-t9imcucre3, URL: petclinic1.us-west-2.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates
Events
Tags
Overview
Refresh
Health
Ok
Causes
Running Version
petclinic.war
Upload and Deploy
Configuration
64bit Amazon Linux 2017.03
v2.6.5 running Tomcat 8 Java 8
Change
Recent Events
Show All
Time
Type
Details


aws
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Back to Hosted Zones
Create Record Set
Import Zone File
Delete Record Set
Test Record Set
Record Set Name
Any Type
Aliases Only
Weighted Only
Displaying 1 to 2 out of 2 Record Sets
Name
Type
Value
cleanclouds.net.
NS
ns-660.awsdns-18.net.
ns-2042.awsdns-63.co.uk.
ns-1159.awsdns-16.org.
ns-300.awsdns-37.com.
cleanclouds.net.
SOA
ns-660.awsdns-18.net. awsdns-hostmaster.amazon.
Create Record Set
Name:
.cleanclouds.net.
Type:
A – IPv4 address
CNAME – Canonical name
MX – Mail exchange
AAAA – IPv6 address
TXT – Text
PTR – Pointer
SRV – Service locator
SPF – Sender Policy Framework
NAPTR – Name Authority Pointer
CAA – Certification Authority Authorization
NS – Name server
SOA – Start of authority
192.0.2.235
198.51.100.234
Alias:
TTL (S
Value:
Routing Policy:
Simple
Route 53 responds to queries based only on the values in this record.
Learn More
Create
Feedback
English (US)
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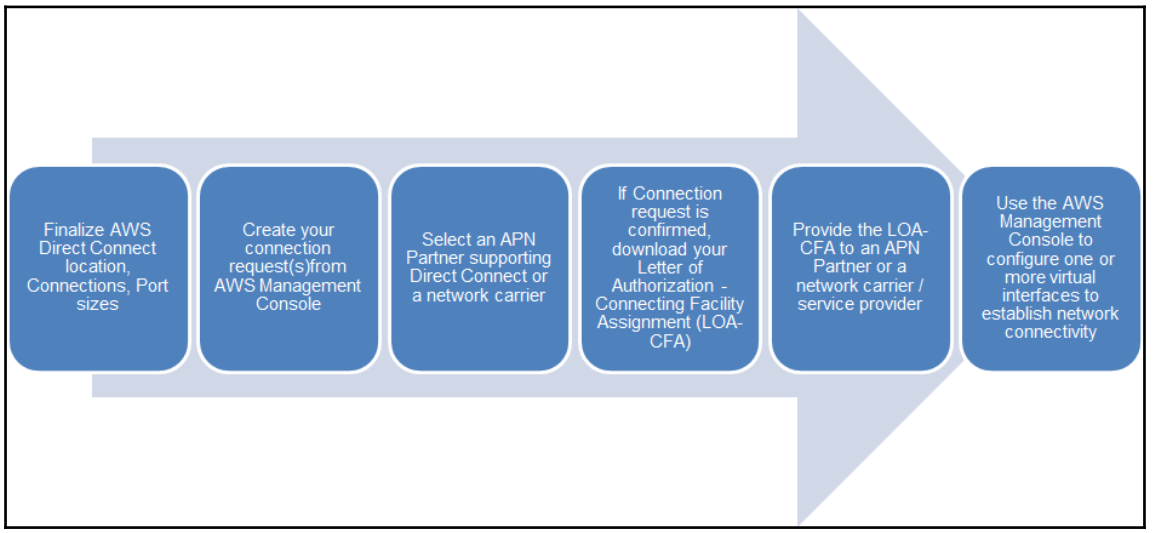
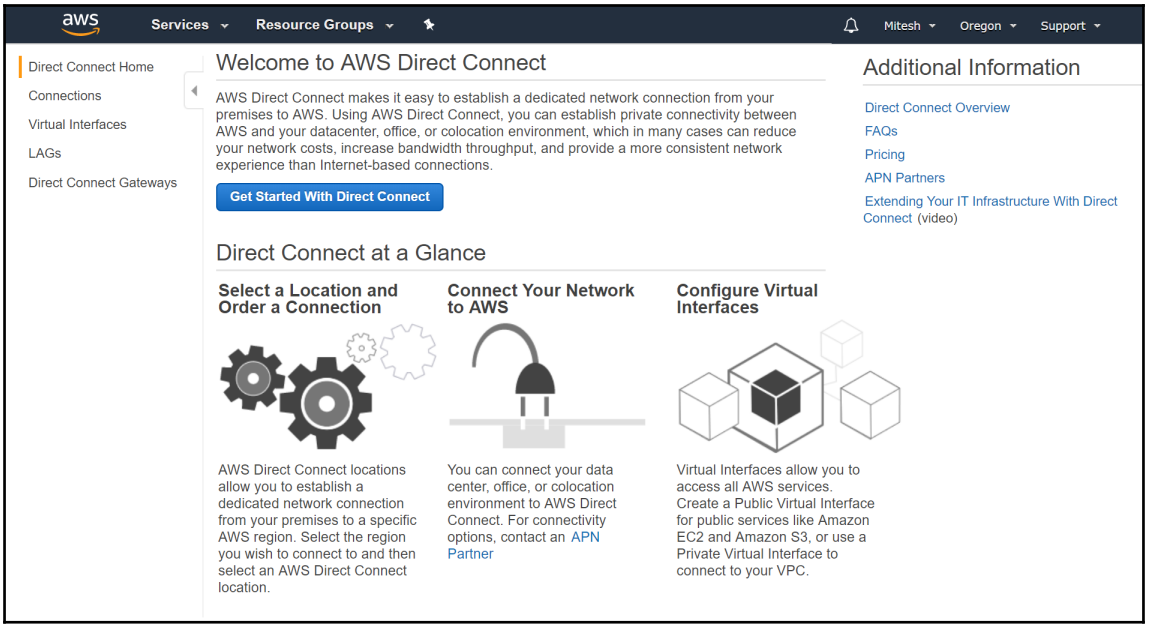
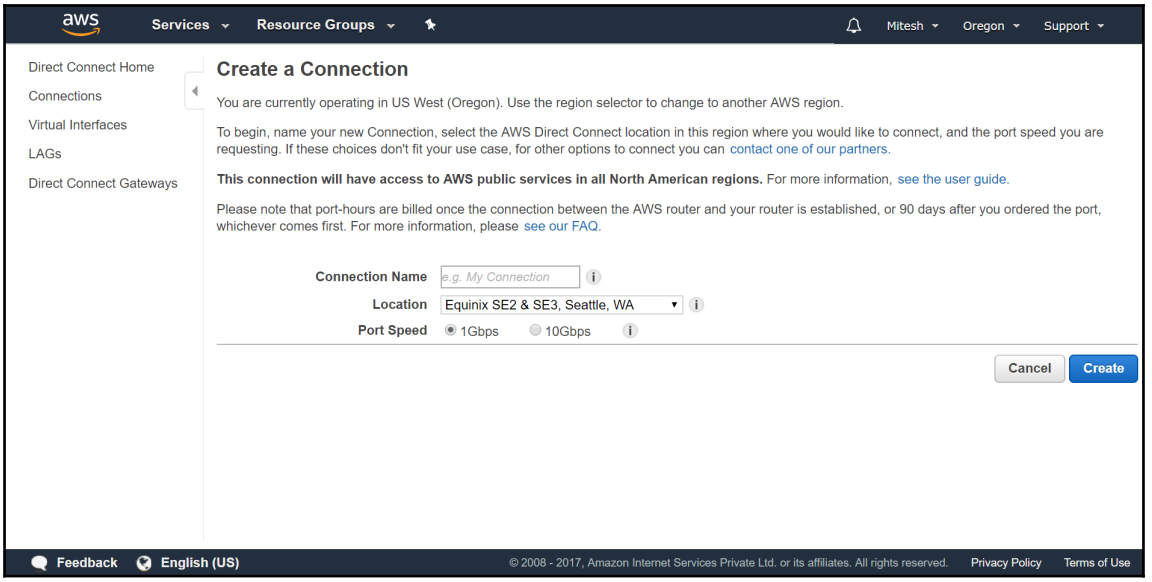
Chapter 6: AWS Direct Connect




aws
Services
Resource Groups
Mitesh
Oregon
Support
Direct Connect Home
Connections
Virtual Interfaces
LAGs
Direct Connect Gateways
Welcome to AWS Direct Connect
AWS Direct Connect makes it easy to establish a dedicated network connection from your premises to AWS. Using AWS Direct Connect, you can establish private connectivity between AWS and your datacenter, office, or colocation environment, which in many cases can reduce your network costs, increase bandwidth throughput, and provide a more consistent network experience than Internet-based connections.
Get Started With Direct Connect
Direct Connect at a Glance
Select a Location and Order a Connection
AWS Direct Connect locations allow you to establish a dedicated network connection from your premises to a specific AWS region. Select the region you wish to connect to and then select an AWS Direct Connect location.
Connect Your Network to AWS
You can connect your data center, office, or colocation environment to AWS Direct Connect. For connectivity options, contact an APN Partner
Configure Virtual Interfaces
Virtual Interfaces allow you to access all AWS services. Create a Public Virtual Interface for public services like Amazon EC2 and Amazon S3, or use a Private Virtual Interface to connect to your VPC.
Additional Information
Direct Connect Overview
FAQs
Pricing
APN Partners
Extending Your IT Infrastructure With Direct Connect (video)


aws
Services
Resource Groups
Mitesh
Oregon
Support
Direct Connect Home
Connections
Virtual Interfaces
LAGs
Direct Connect Gateways
Create a Connection
You are currently operating in US West (Oregon). Use the region selector to change to another AWS region.
To begin, name your new Connection, select the AWS Direct Connect location in this region where you would like to connect, and the port speed you are requesting. If these choices don't fit your use case, for other options to connect you can contact one of our partners.
This connection will have access to AWS public services in all North American regions. For more information, see the user guide.
Please note that port-hours are billed once the connection between the AWS router and your router is established, or 90 days after you ordered the port, whichever comes first. For more information, please see our FAQ.
Connection Name
e.g. My Connection
Location
Equinix SE2 & SE3, Seattle, WA
Port Speed
1Gbps
10Gbps
Cancel
Create
Feedback
English (US)
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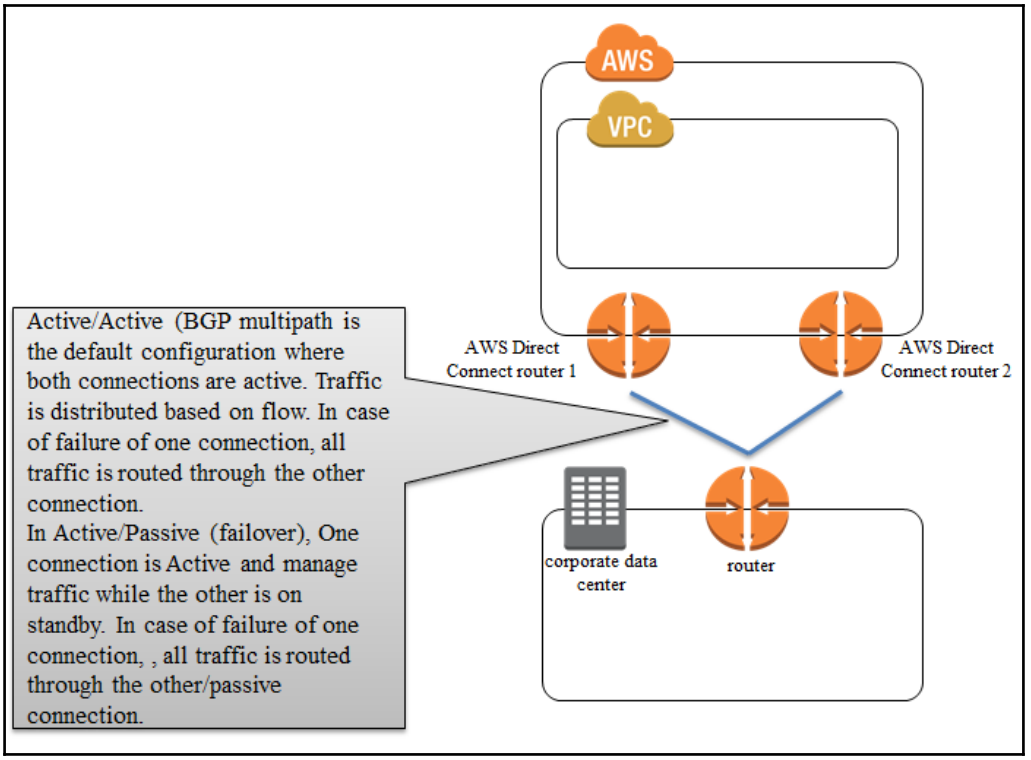
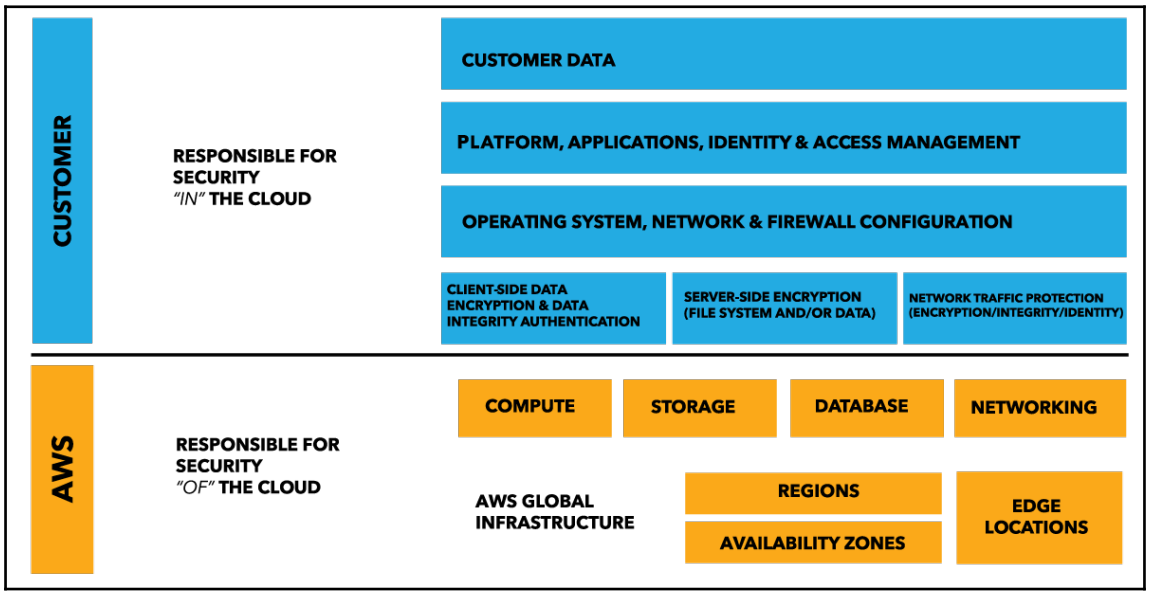
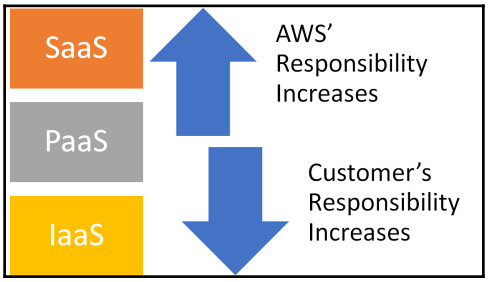
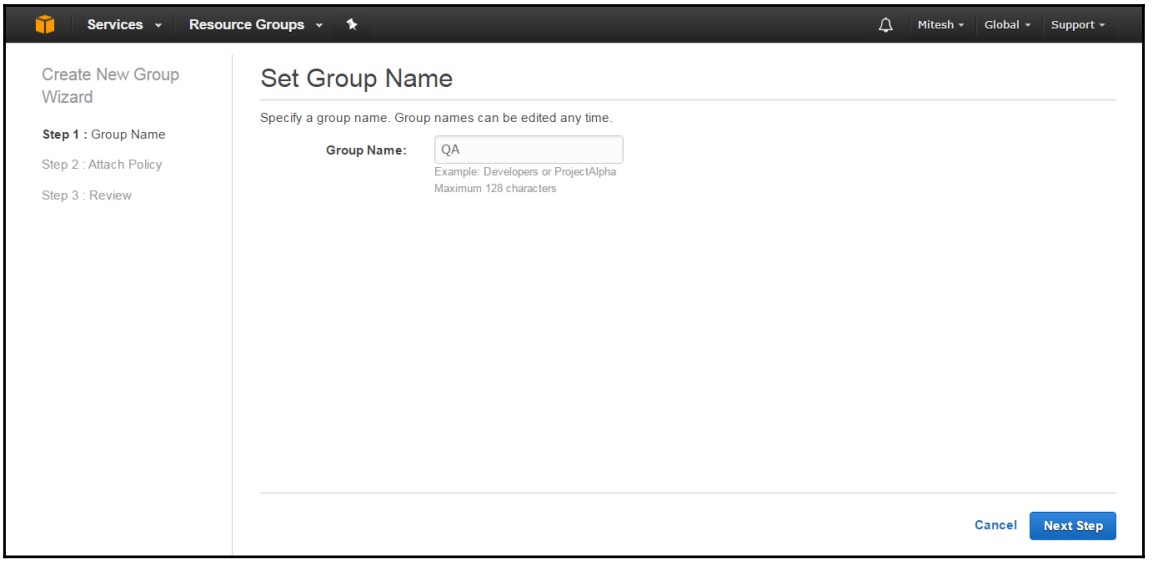
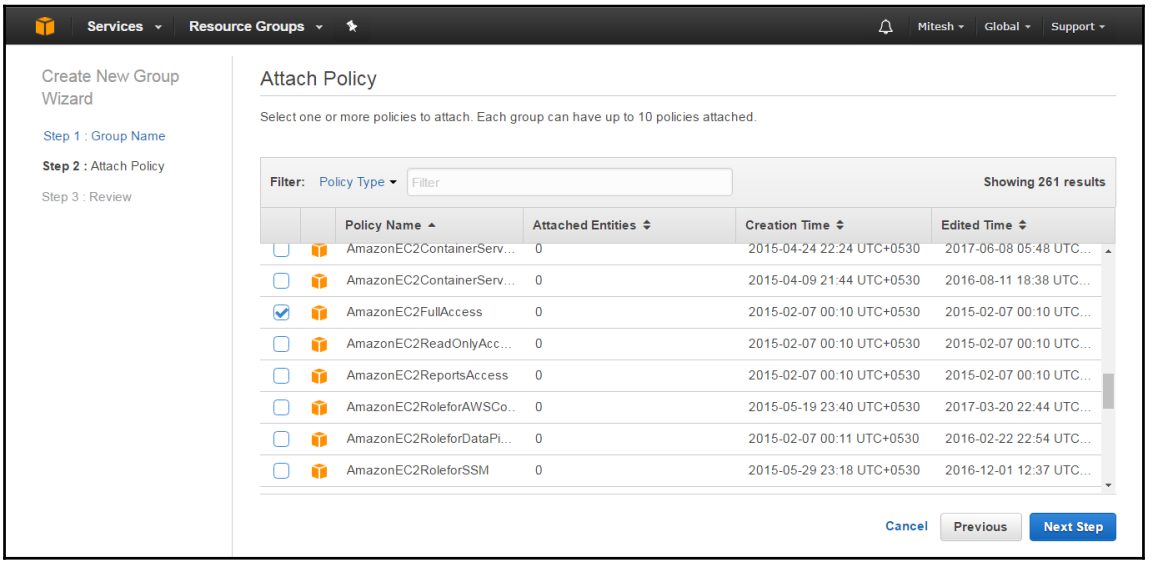

AWS
VPC
AWS Direct Connect router 1
AWS Direct Connect router 2
corporate data center
router
Active/Active (BGP multipath is the default configuration where both connections are active. Traffic is distributed based on flow. In case of failure of one connection, all traffic is routed through the other connection.
In Active/Passive (failover), One connection is Active and manage traffic while the other is on standby. In case of failure of one connection, , all traffic is routed through the other/passive connection.

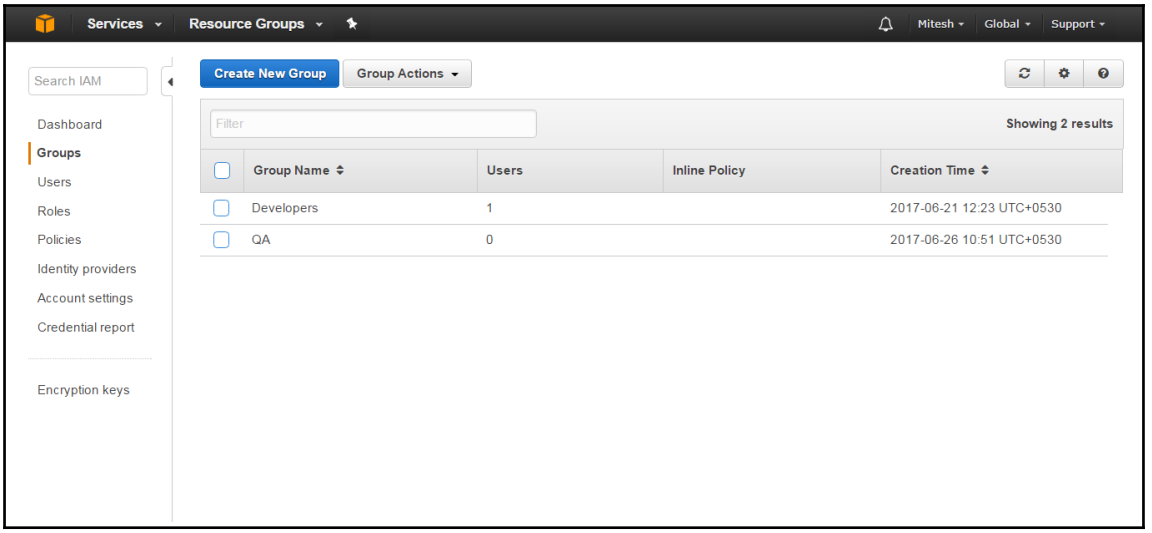
Chapter 7: Security Best Practices

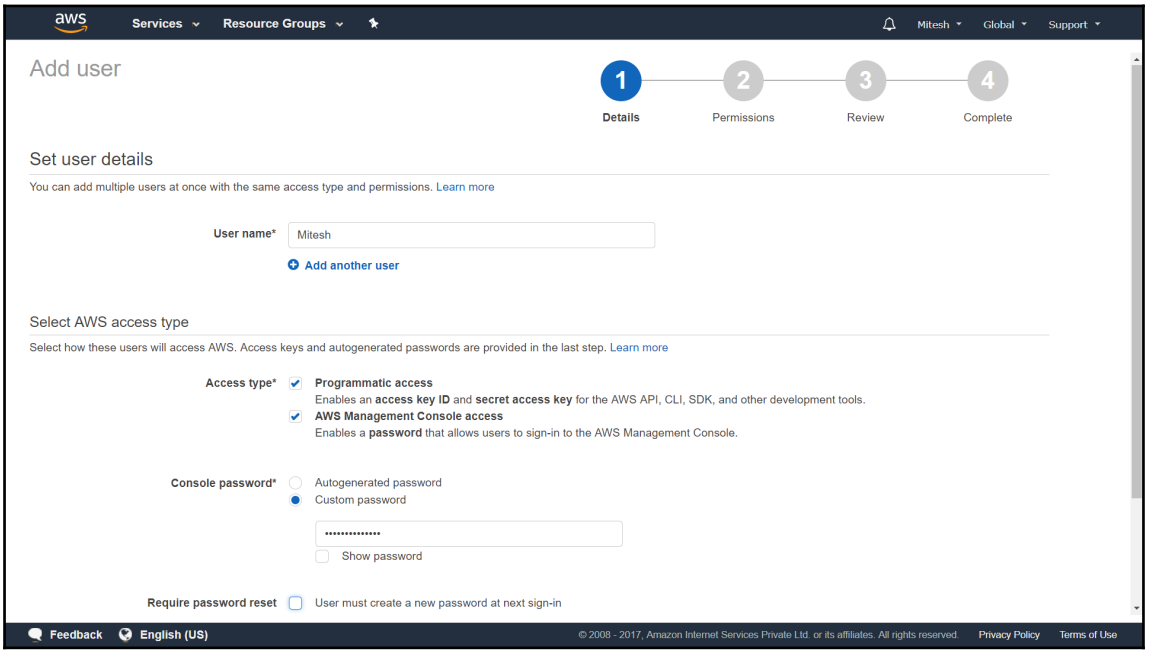





Services
Resource Groups
Mitesh
Global
Support
Create New Group Wizard
Step 1 : Group Name
Step 2 : Attach Policy
Step 3 : Review
Set Group Name
Specify a group name. Group names can be edited any time.
Group Name:
QA
Example: Developers or ProjectAlpha
Maximum 128 characters
Cancel
Next Step


Services
Resource Groups
Mitesh
Global
Support
Create New Group Wizard
Step 1 : Group Name
Step 2 : Attach Policy
Step 3 : Review
Attach Policy
Select one or more policies to attach. Each group can have up to 10 policies attached.
Filter:
Policy Type
Filter
Showing 261 results
Policy Name
Attached Entities
Creation Time
Edited Time
AmazonEC2ContainerServ... 0 2015-04-24 22:24 UTC+0530 2017-06-08 05:48 UTC...
AmazonEC2ContainerServ... 0 2015-04-09 21:44 UTC+0530 2016-08-11 18:38 UTC...
AmazonEC2FullAccess 0 2015-02-07 00:10 UTC+0530 2015-02-07 00:10 UTC...
AmazonEC2ReadOnlyAcc... 0 2015-02-07 00:10 UTC+0530 2015-02-07 00:10 UTC...
AmazonEC2ReportsAccess 0 2015-02-07 00:10 UTC+0530 2015-02-07 00:10 UTC...
AmazonEC2RoleforAWSCo.. 0 2015-05-19 23:40 UTC+0530 2017-03-20 22:44 UTC...
AmazonEC2RoleforDataPi... 0 2015-02-07 00:11 UTC+0530 2016-02-22 22:54 UTC...
AmazonEC2RoleforSSM 0 2015-05-29 23:18 UTC+0530 2016-12-01 12:37 UTC...
Cancel
Previous
Next Step


Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Create New Group
Group Actions
Filter
Showing 2 results
Group Name
Users
Inline Policy
Creation Time
Developers
1
2017-06-21 12:23 UTC+0530
QA
0
2017-06-26 10:51 UTC+0530


aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1
Details
2
Permissions
3
Review
4
Complete
Set user details
You can add multiple users at once with the same access type and permissions. Learn more
User name*
Mitesh
Add another user
Select AWS access type
Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. Learn more
Access type*
Programmatic access
Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.
AWS Management Console access
Enables a password that allows users to sign-in to the AWS Management Console.
Console password*
Autogenerated password
Custom password
Show password
Require password reset
User must create a new password at next sign-in
Feedback
English (US)
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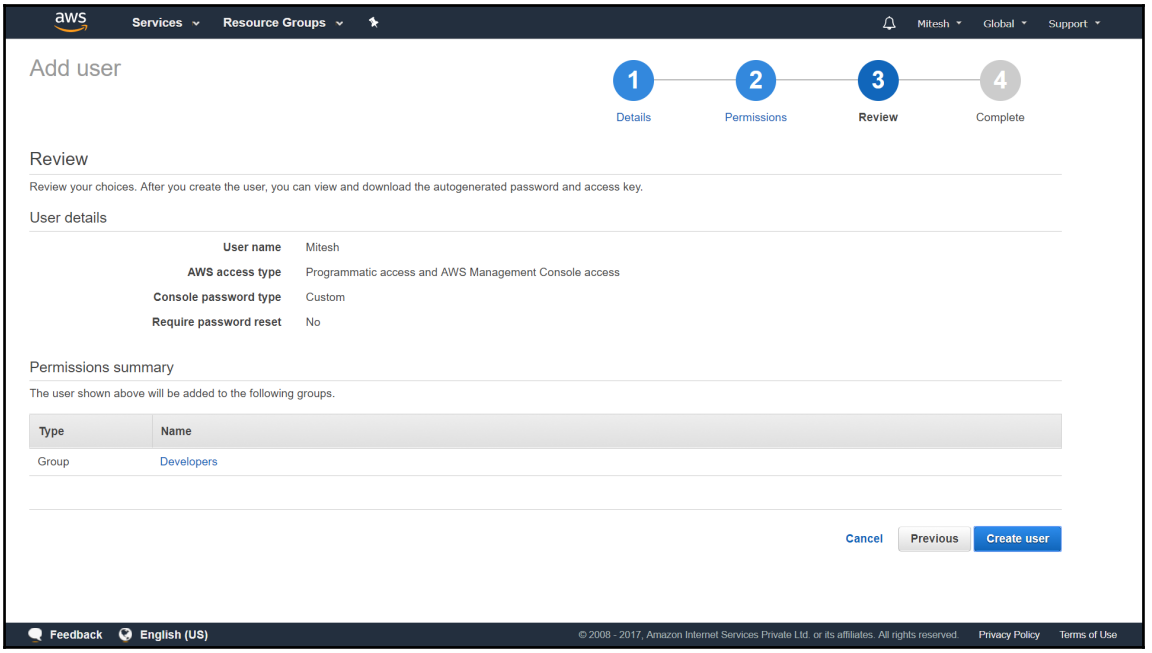
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1 Details
2 Permissions
3 Review
4 Complete
Review
Review your choices. After you create the user, you can view and download the autogenerated password and access key.
User details
User name Mitesh
AWS access type Programmatic access and AWS Management Console access
Console password type Custom
Require password reset No
Permissions summary
The user shown above will be added to the following groups.
Type
Name
Group
Developers
Cancel
Previous
Create user
Feedback
English (US)
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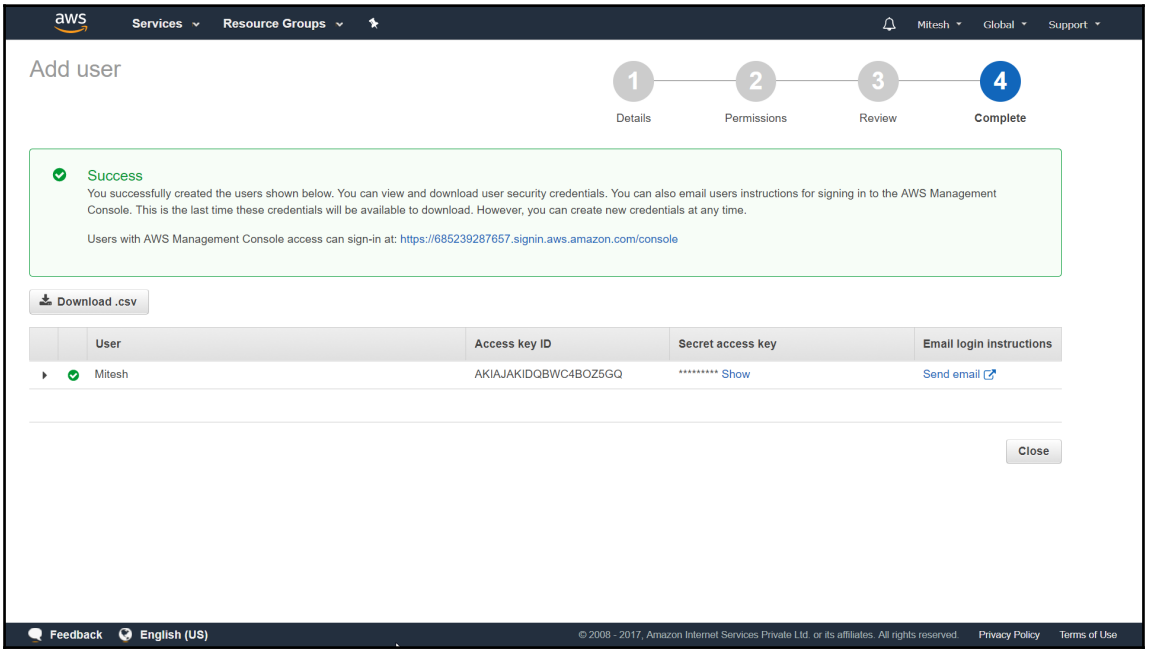
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1 Details
2 Permissions
3 Review
4 Complete
Success
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.
Users with AWS Management Console access can sign-in at: https://685239287657.signin.aws.amazon.com/console
Download .csv
User
Access key ID
Secret access key
Email login instructions
Mitesh
AKIAJAKIDQBWC4BOZ5GQ
******** Show
Send email
Close
Feedback
English (US)
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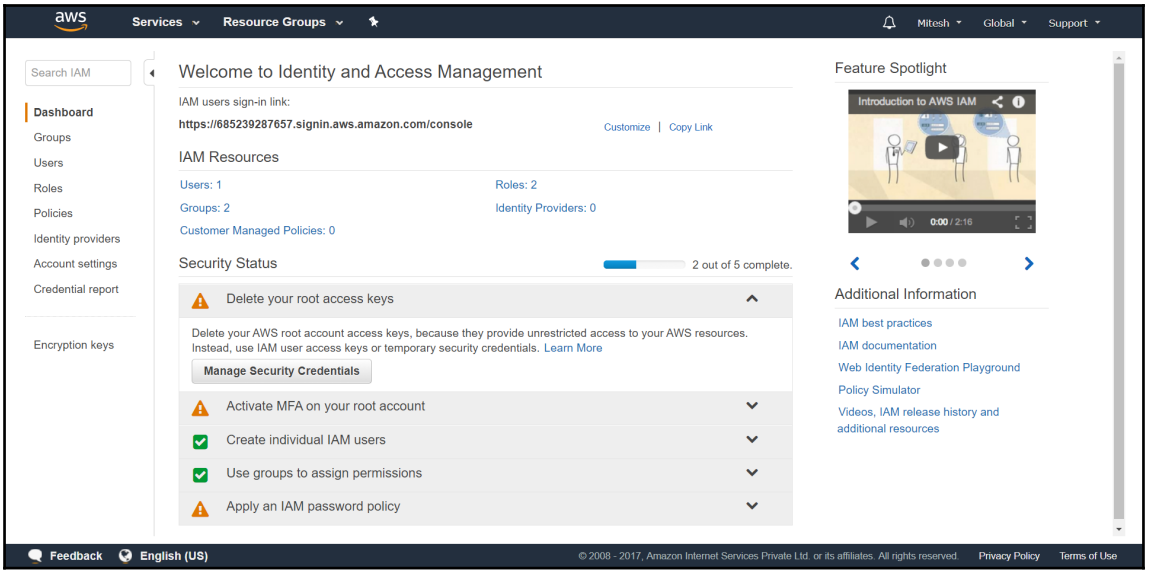
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://685239287657.signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
2 out of 5 complete.
Delete your root access keys
Delete your AWS root account access keys, because they provide unrestricted access to your AWS resources. Instead, use IAM user access keys or temporary security credentials. Learn More
Manage Security Credentials
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
Introduction to AWS IAM
0:00 / 2:16
Additional Information
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IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
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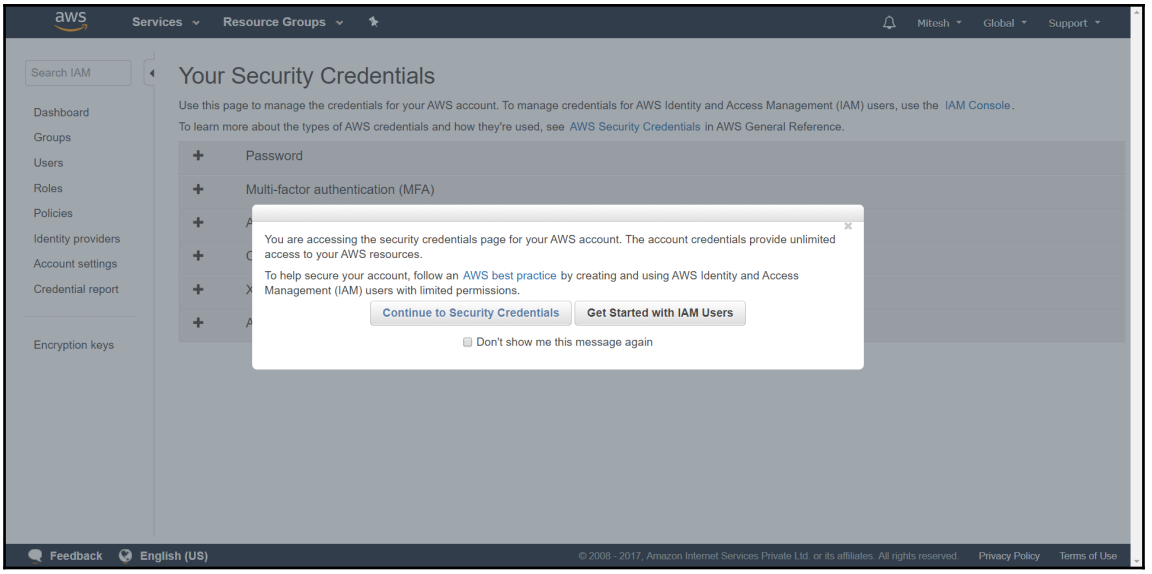
aws
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Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Your Security Credentials
Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the IAM Console.
To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.
Password
Multi-factor authentication (MFA)
You are accessing the security credentials page for your AWS account. The account credentials provide unlimited access to your AWS resources.
To help secure your account, follow an AWS best practice by creating and using AWS Identity and Access Management (IAM) users with limited permissions.
Continue to Security Credentials
Get Started with IAM Users
Don't show me this message again
Feedback
English (US)
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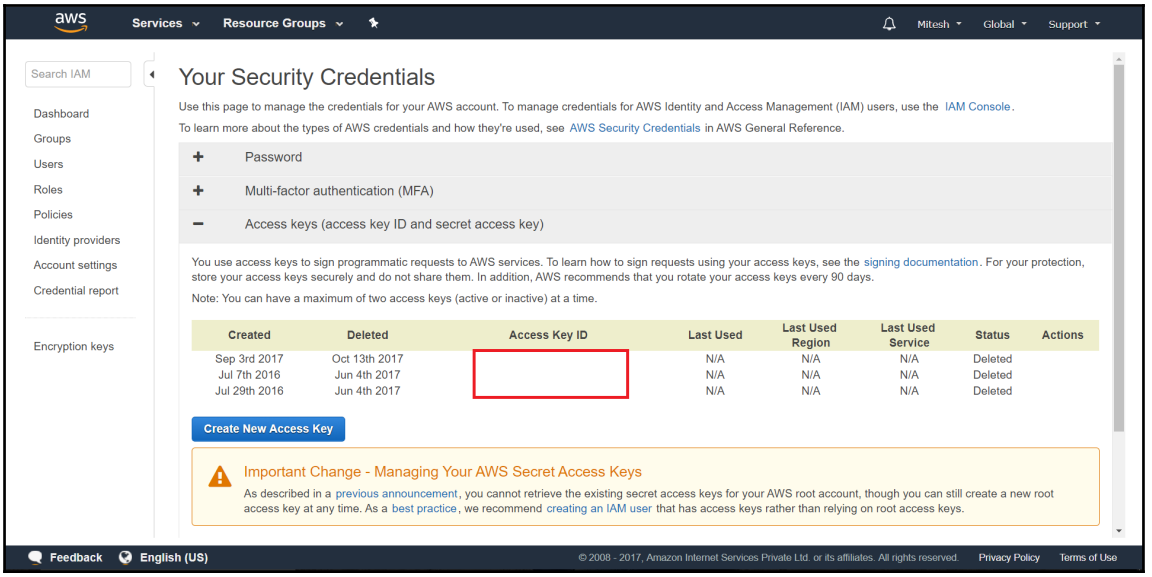
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Your Security Credentials
Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the IAM Console.
To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.
+ Password
+ Multi-factor authentication (MFA)
− Access keys (access key ID and secret access key)
You use access keys to sign programmatic requests to AWS services. To learn how to sign requests using your access keys, see the signing documentation. For your protection, store your access keys securely and do not share them. In addition, AWS recommends that you rotate your access keys every 90 days.
Note: You can have a maximum of two access keys (active or inactive) at a time.
Created
Deleted
Access Key ID
Last Used
Last Used Region
Last Used Service
Status
Actions
Sep 3rd 2017
Oct 13th 2017
N/A
N/A
N/A
Deleted
Jul 7th 2016
Jun 4th 2017
N/A
N/A
N/A
Deleted
Jul 29th 2016
Jun 4th 2017
N/A
N/A
N/A
Deleted
Create New Access Key
Important Change - Managing Your AWS Secret Access Keys
As described in a previous announcement, you cannot retrieve the existing secret access keys for your AWS root account, though you can still create a new root access key at any time. As a best practice, we recommend creating an IAM user that has access keys rather than relying on root access keys.
Feedback
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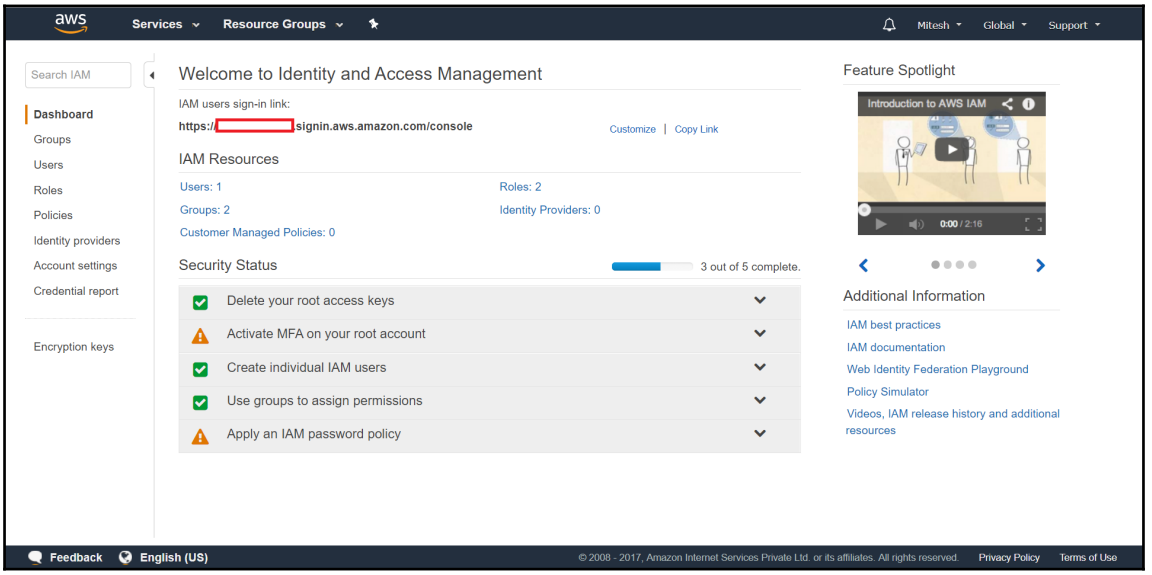
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted]signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
3 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
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0:00 / 2:16
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Videos, IAM release history and additional resources
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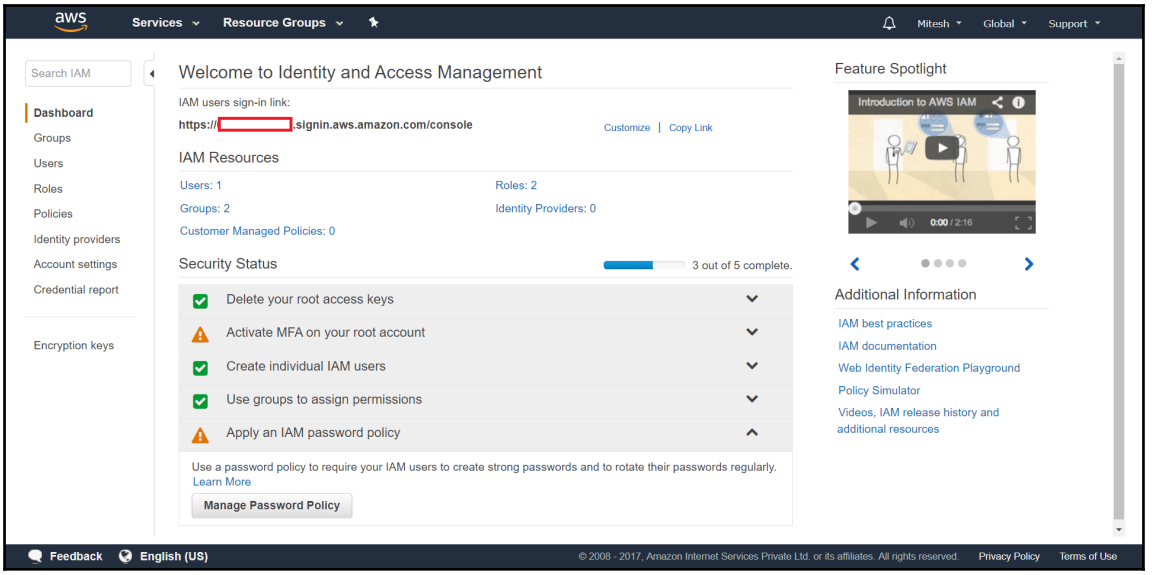
aws
Services
Resource Groups
Mitesh
Global
Support
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Dashboard
Groups
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Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
3 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Use a password policy to require your IAM users to create strong passwords and to rotate their passwords regularly.
Learn More
Manage Password Policy
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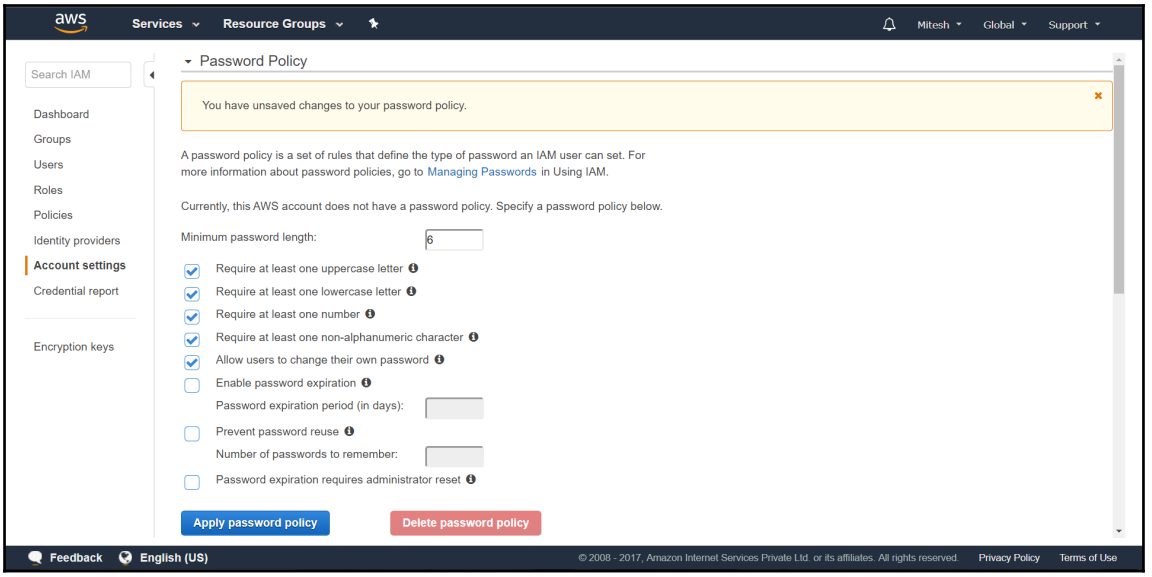
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Password Policy
You have unsaved changes to your password policy.
A password policy is a set of rules that define the type of password an IAM user can set. For more information about password policies, go to Managing Passwords in Using IAM.
Currently, this AWS account does not have a password policy. Specify a password policy below.
Minimum password length:
6
Require at least one uppercase letter
Require at least one lowercase letter
Require at least one number
Require at least one non-alphanumeric character
Allow users to change their own password
Enable password expiration
Password expiration period (in days):
Prevent password reuse
Number of passwords to remember:
Password expiration requires administrator reset
Apply password policy
Delete password policy
Feedback
English (US)
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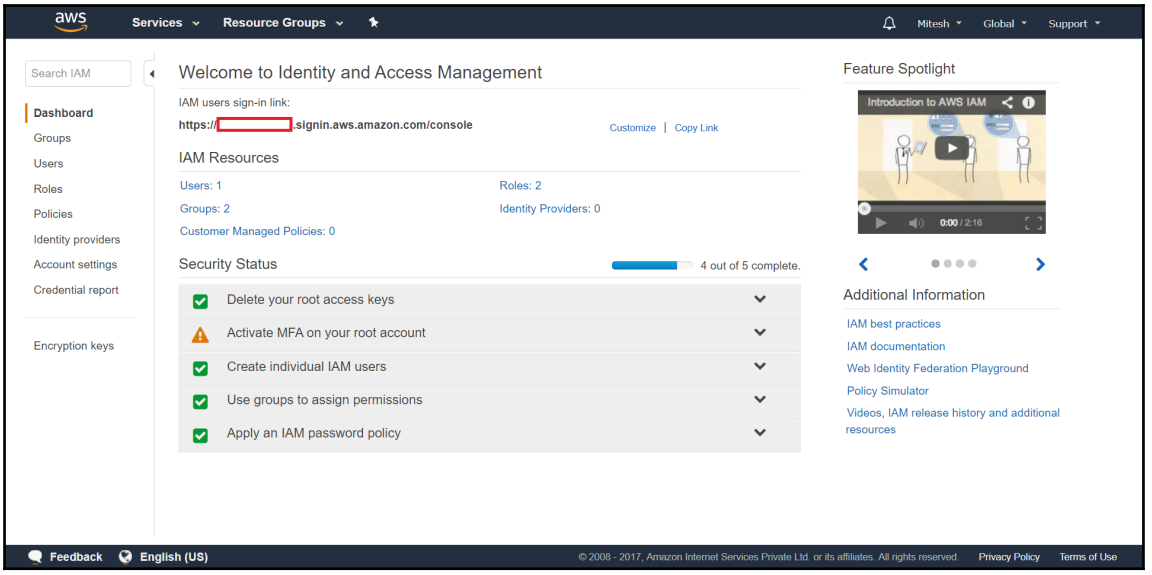
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
4 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
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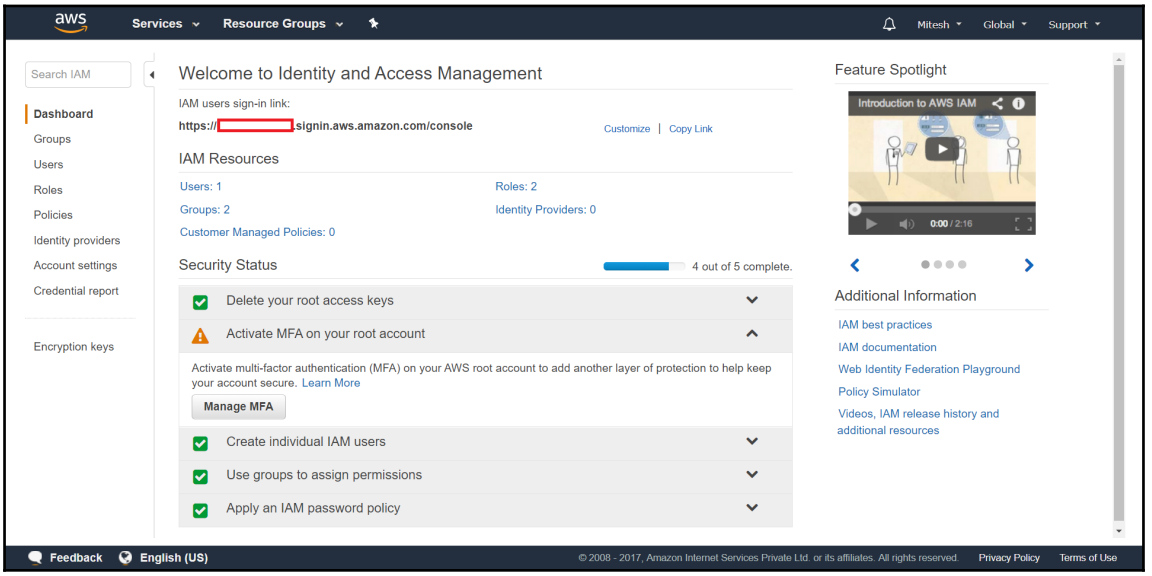
aws
Services
Resource Groups
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Global
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Account settings
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Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
4 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Activate multi-factor authentication (MFA) on your AWS root account to add another layer of protection to help keep your account secure. Learn More
Manage MFA
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
Introduction to AWS IAM
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Additional Information
IAM best practices
IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
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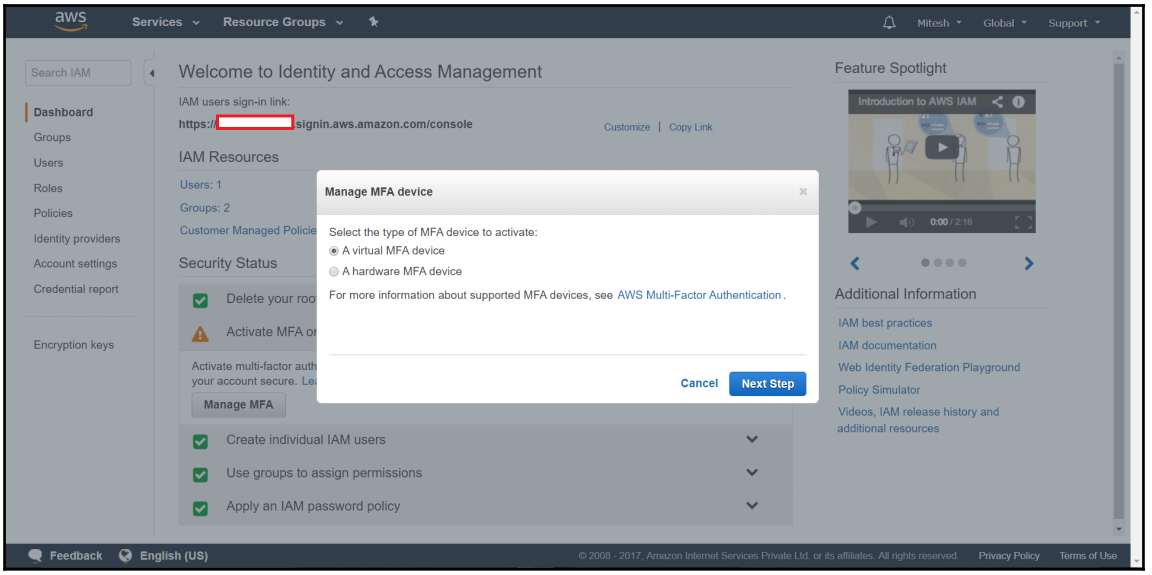
aws
Services
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Mitesh
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Groups
Users
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Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Groups: 2
Customer Managed Policie
Security Status
Delete your roo
Activate MFA or
Activate multi-factor auth
your account secure. Le
Manage MFA
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
Introduction to AWS IAM
0:00 / 2:16
Additional Information
IAM best practices
IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
Manage MFA device
Select the type of MFA device to activate:
A virtual MFA device
A hardware MFA device
For more information about supported MFA devices, see AWS Multi-Factor Authentication.
Cancel
Next Step
Feedback
English (US)
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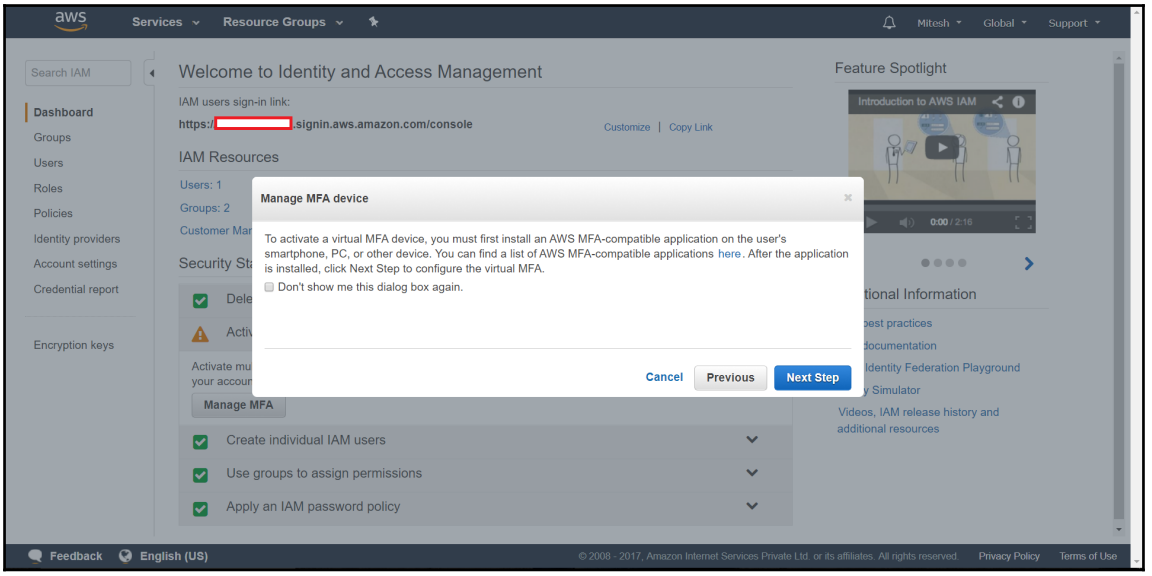
aws
Services
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Groups
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Identity providers
Account settings
Credential report
Encryption keys
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https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
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Groups: 2
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Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
Introduction to AWS IAM
0:00 / 2:16
Videos, IAM release history and additional resources
Manage MFA device
To activate a virtual MFA device, you must first install an AWS MFA-compatible application on the user's smartphone, PC, or other device. You can find a list of AWS MFA-compatible applications here. After the application is installed, click Next Step to configure the virtual MFA.
Don't show me this dialog box again.
Cancel
Previous
Next Step
Feedback
English (US)
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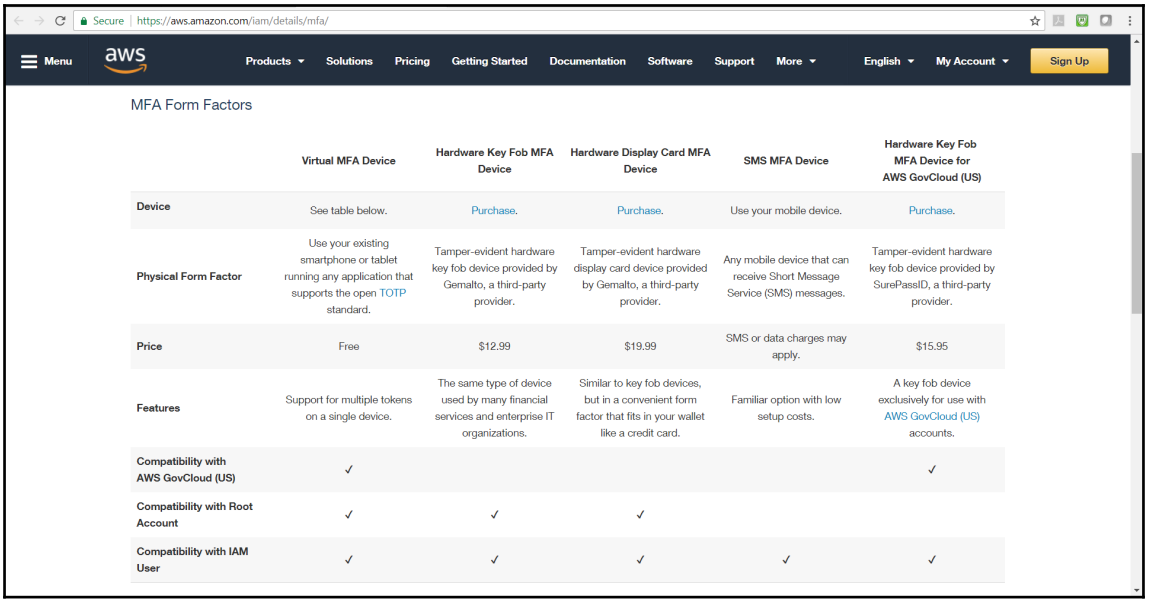
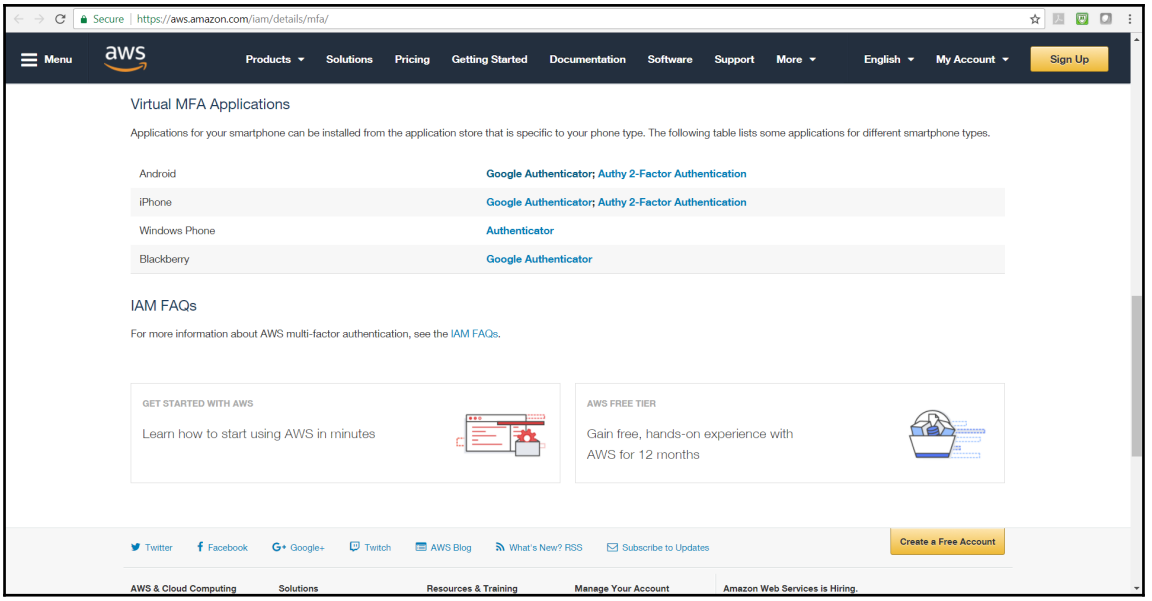


MFA Form Factors

	Virtual MFA Device	Hardware Key Fob MFA Device	Hardware Display Card MFA Device	SMS MFA Device	Hardware Key Fob MFA Device for AWS GovCloud (US)
Device	See table below.	Purchase.	Purchase.	Use your mobile device.	Purchase.
Physical Form Factor	Use your existing smartphone or tablet running any application that supports the open TOTP standard.	Tamper-evident hardware key fob device provided by Gemalto, a third-party provider.	Tamper-evident hardware display card device provided by Gemalto, a third-party provider.	Any mobile device that can receive Short Message Service (SMS) messages.	Tamper-evident hardware key fob device provided by SurePassID, a third-party provider.
Price	Free	$12.99	$19.99	SMS or data charges may apply.	$15.95
Features	Support for multiple tokens on a single device.	The same type of device used by many financial services and enterprise IT organizations.	Similar to key fob devices, but in a convenient form factor that fits in your wallet like a credit card.	Familiar option with low setup costs.	A key fob device exclusively for use with AWS GovCloud (US) accounts.
Compatibility with AWS GovCloud (US)	✓				✓
Compatibility with Root Account	✓	✓	✓		
Compatibility with IAM User	✓	✓	✓	✓	✓



Virtual MFA Applications

Applications for your smartphone can be installed from the application store that is specific to your phone type. The following table lists some applications for different smartphone types.

Android	**Google Authenticator; Authy 2-Factor Authentication**
iPhone	**Google Authenticator; Authy 2-Factor Authentication**
Windows Phone	**Authenticator**
Blackberry	**Google Authenticator**

IAM FAQs

For more information about AWS multi-factor authentication, see the IAM FAQs.

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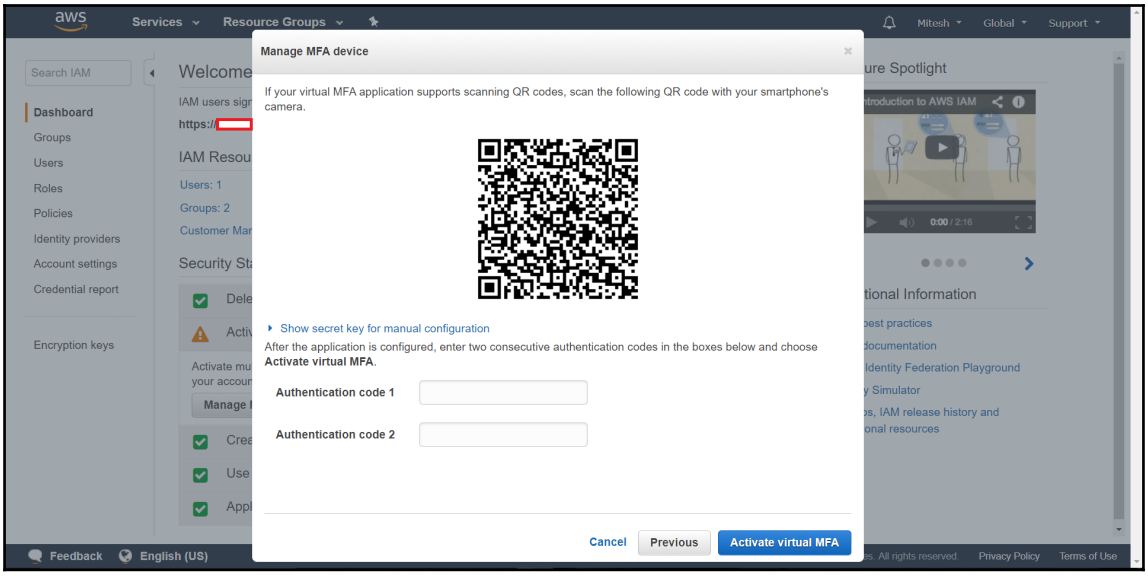
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome
IAM users sign
https://
IAM Resou
Users: 1
Groups: 2
Customer Mar
Security Sta
Manage
Manage MFA device
If your virtual MFA application supports scanning QR codes, scan the following QR code with your smartphone's camera.
Show secret key for manual configuration
After the application is configured, enter two consecutive authentication codes in the boxes below and choose Activate virtual MFA.
Authentication code 1
Authentication code 2
Cancel
Previous
Activate virtual MFA
ure Spotlight
ntroduction to AWS IAM
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tional Information
best practices
documentation
Identity Federation Playground
y Simulator
os, IAM release history and
onal resources
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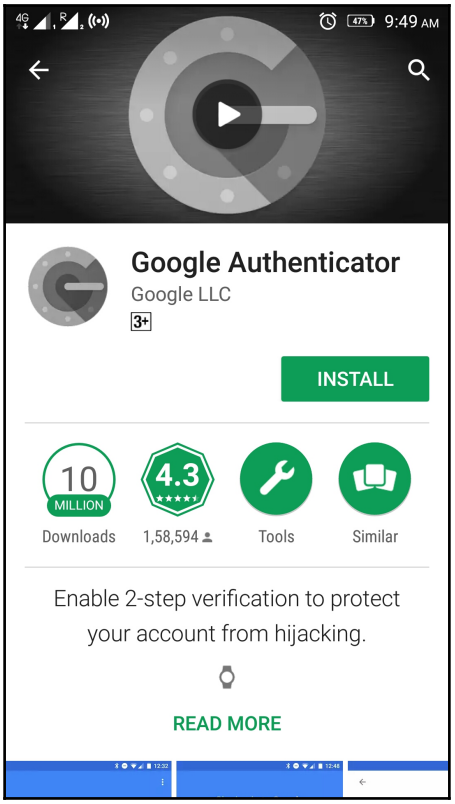
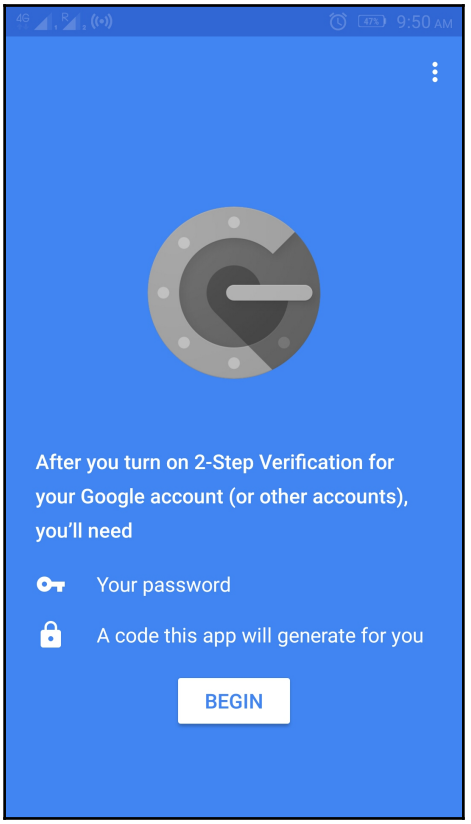
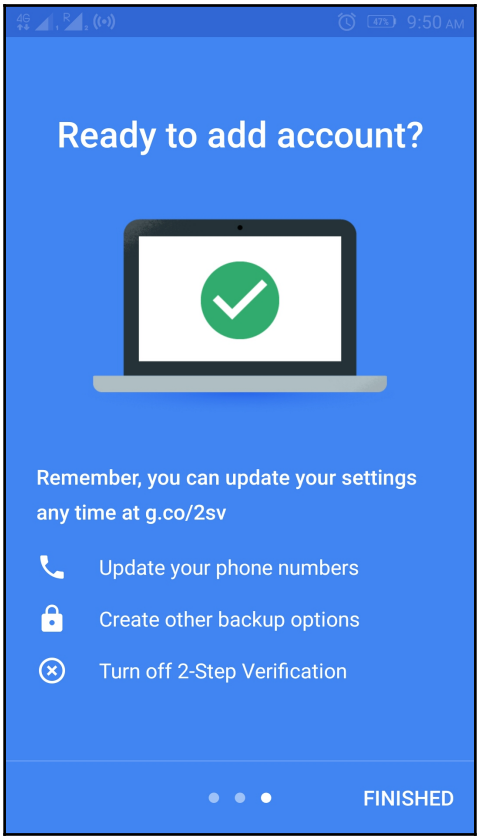
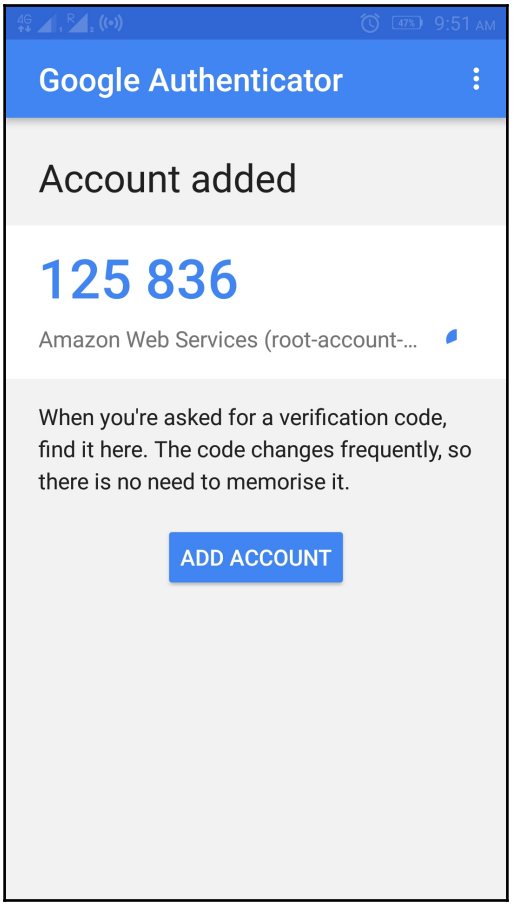
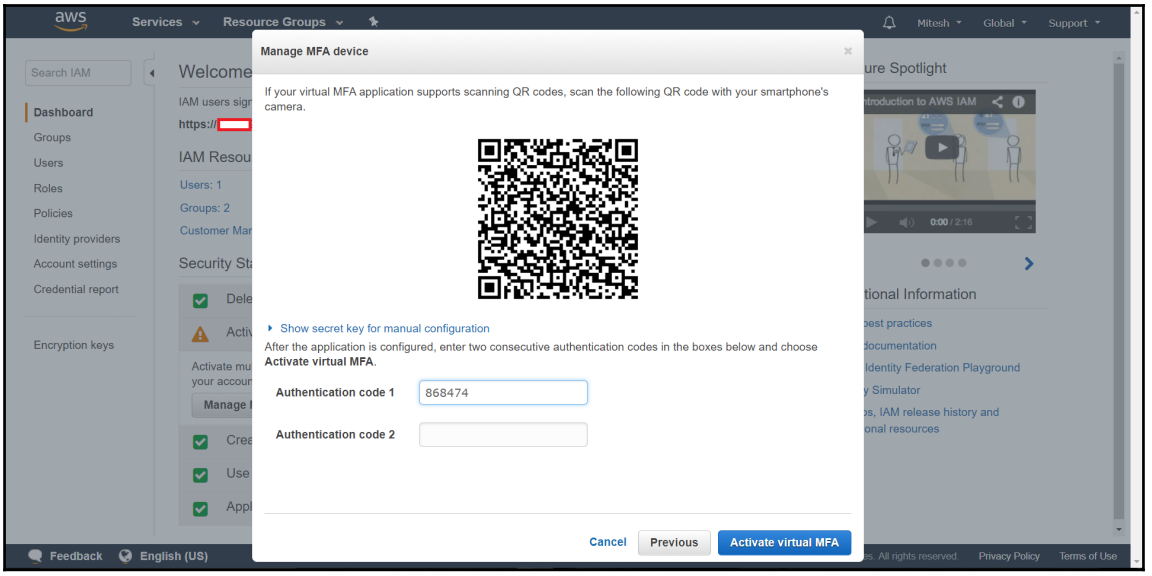
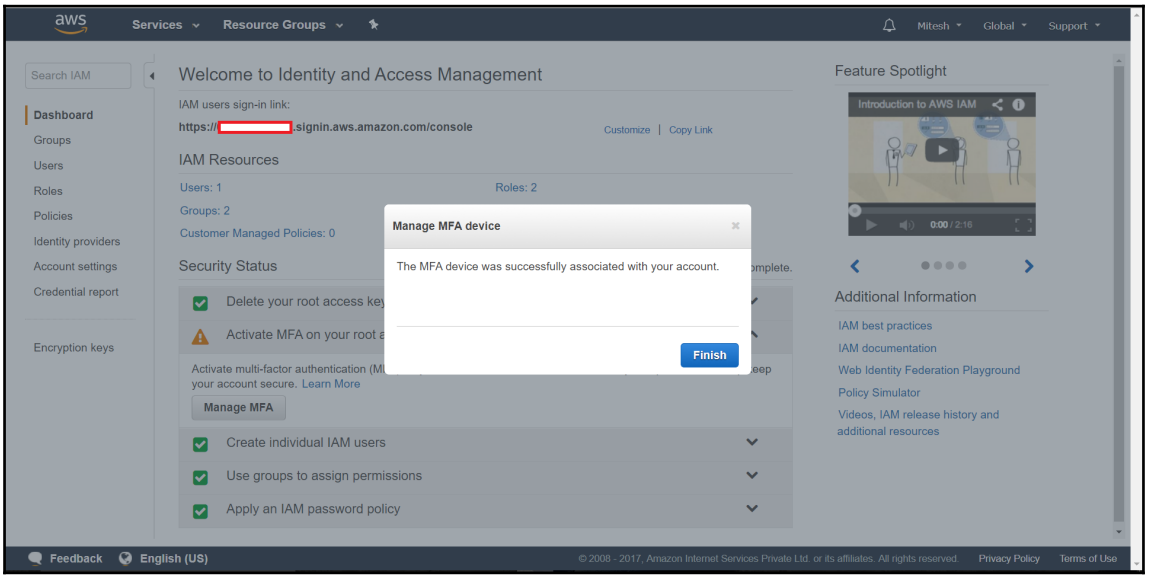

9:49 AM
Google Authenticator
Google LLC
3+
INSTALL
10
MILLION
Downloads
4.3
1,58,594
Tools
Similar
Enable 2-step verification to protect your account from hijacking.
READ MORE


9:50 AM
After you turn on 2-Step Verification for your Google account (or other accounts), you'll need
Your password
A code this app will generate for you
BEGIN


9:50 AM
Ready to add account?
Remember, you can update your settings any time at g.co/2sv
Update your phone numbers
Create other backup options
Turn off 2-Step Verification
FINISHED


9:51 AM
Google Authenticator
Account added
125 836
Amazon Web Services (root-account-...
When you're asked for a verification code, find it here. The code changes frequently, so there is no need to memorise it.
ADD ACCOUNT


Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Manage MFA device
If your virtual MFA application supports scanning QR codes, scan the following QR code with your smartphone's camera.
Show secret key for manual configuration
After the application is configured, enter two consecutive authentication codes in the boxes below and choose Activate virtual MFA.
Authentication code 1
868474
Authentication code 2
Cancel
Previous
Activate virtual MFA
Feedback
English (US)
Privacy Policy
Terms of Use


Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
.signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Customer Managed Policies: 0
Security Status
Delete your root access key
Activate MFA on your root account
Activate multi-factor authentication (MFA) for your account to keep your account secure. Learn More
Manage MFA
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Manage MFA device
The MFA device was successfully associated with your account.
Finish
Feature Spotlight
Introduction to AWS IAM
Additional Information
IAM best practices
IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
Feedback
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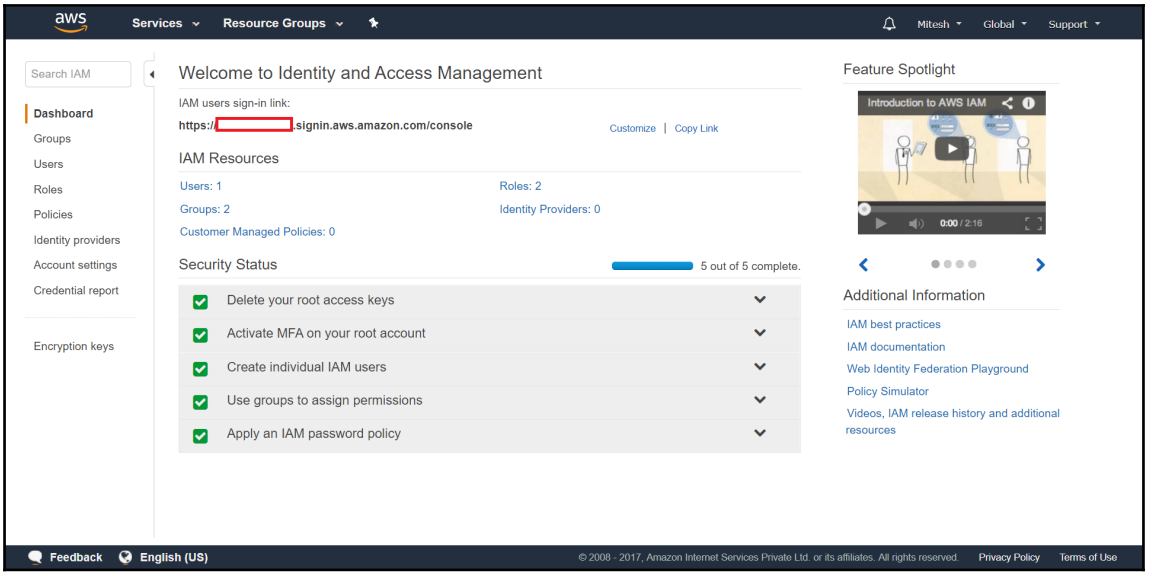
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 1
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
5 out of 5 complete.
Delete your root access keys
Activate MFA on your root account
Create individual IAM users
Use groups to assign permissions
Apply an IAM password policy
Feature Spotlight
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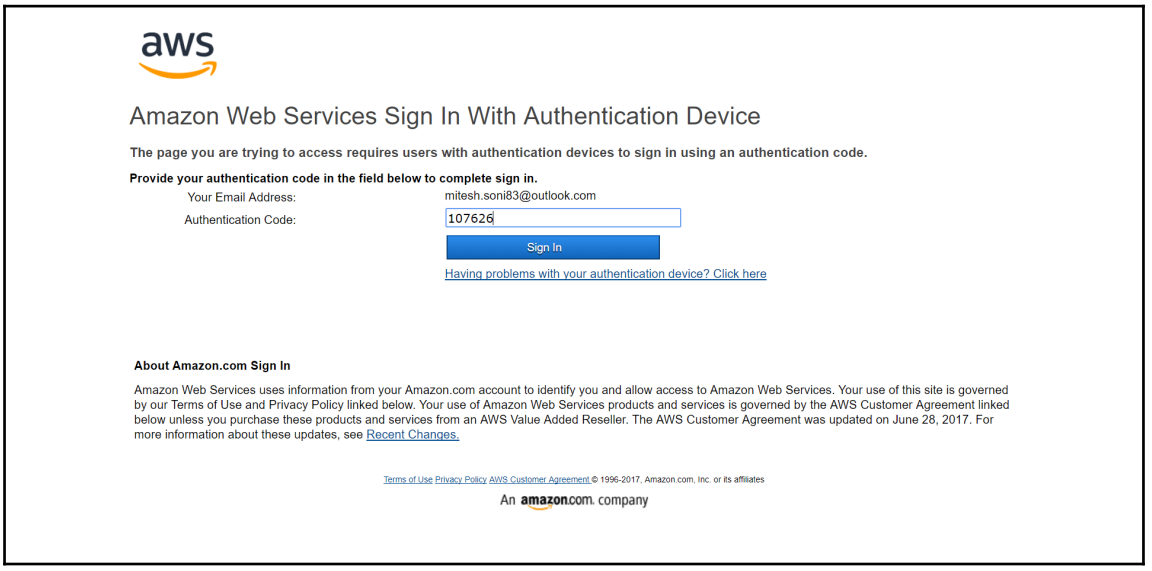
aws
Amazon Web Services Sign In With Authentication Device
The page you are trying to access requires users with authentication devices to sign in using an authentication code.
Provide your authentication code in the field below to complete sign in.
Your Email Address:
mitesh.soni83@outlook.com
Authentication Code:
107626
Sign In
Having problems with your authentication device? Click here
About Amazon.com Sign In
Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our Terms of Use and Privacy Policy linked below. Your use of Amazon Web Services products and services is governed by the AWS Customer Agreement linked below unless you purchase these products and services from an AWS Value Added Reseller. The AWS Customer Agreement was updated on June 28, 2017. For more information about these updates, see Recent Changes.
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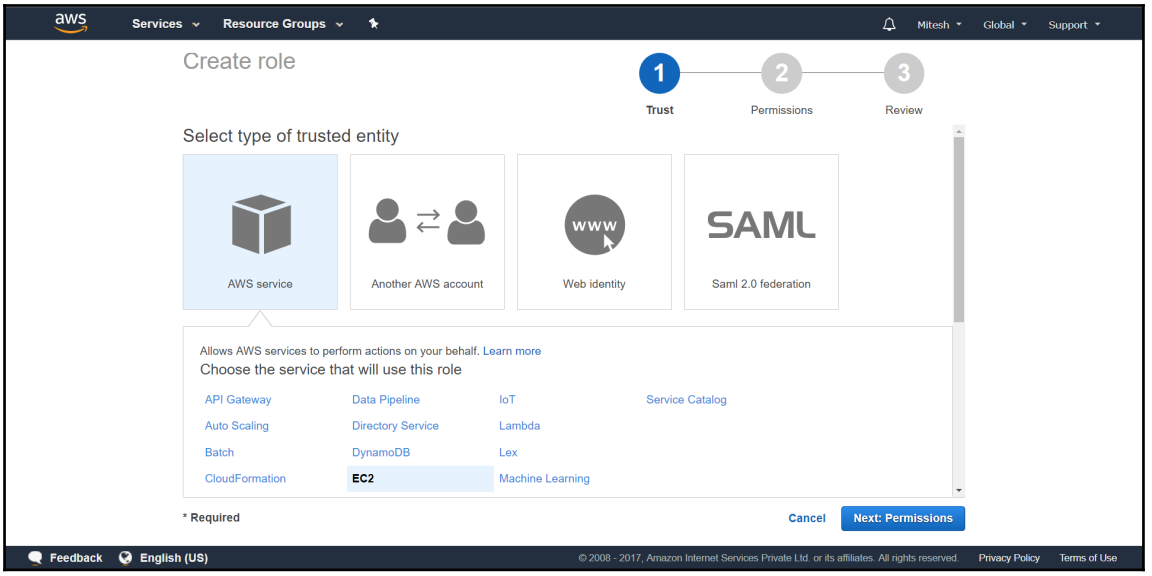
aws
Services
Resource Groups
Mitesh
Global
Support
Create role
1 Trust
2 Permissions
3 Review
Select type of trusted entity
AWS service
Another AWS account
Web identity
SAML
Saml 2.0 federation
Allows AWS services to perform actions on your behalf. Learn more
Choose the service that will use this role
API Gateway
Data Pipeline
IoT
Service Catalog
Auto Scaling
Directory Service
Lambda
Batch
DynamoDB
Lex
CloudFormation
EC2
Machine Learning
* Required
Cancel
Next: Permissions
Feedback
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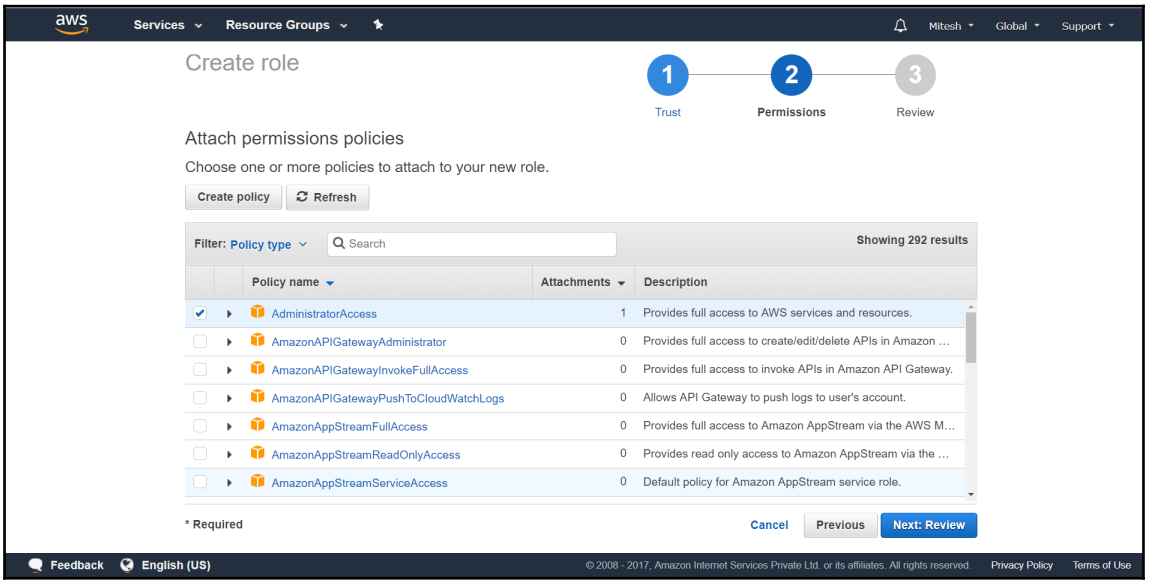
aws
Services
Resource Groups
Mitesh
Global
Support
Create role
1 Trust
2 Permissions
3 Review
Attach permissions policies
Choose one or more policies to attach to your new role.
Create policy
Refresh
Filter: Policy type
Search
Showing 292 results
Policy name
Attachments
Description
AdministratorAccess 1 Provides full access to AWS services and resources.
AmazonAPIGatewayAdministrator 0 Provides full access to create/edit/delete APIs in Amazon ...
AmazonAPIGatewayInvokeFullAccess 0 Provides full access to invoke APIs in Amazon API Gateway.
AmazonAPIGatewayPushToCloudWatchLogs 0 Allows API Gateway to push logs to user's account.
AmazonAppStreamFullAccess 0 Provides full access to Amazon AppStream via the AWS M...
AmazonAppStreamReadOnlyAccess 0 Provides read only access to Amazon AppStream via the ...
AmazonAppStreamServiceAccess 0 Default policy for Amazon AppStream service role.
* Required
Cancel
Previous
Next: Review
Feedback
English (US)
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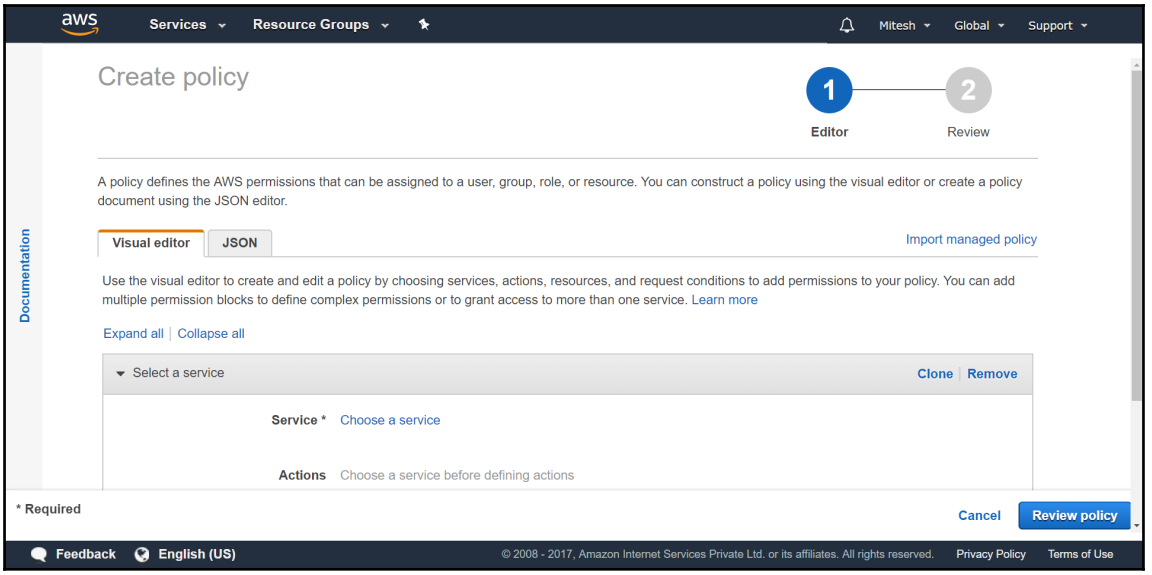
aws
Services
Resource Groups
Mitesh
Global
Support
Create policy
1
Editor
2
Review
A policy defines the AWS permissions that can be assigned to a user, group, role, or resource. You can construct a policy using the visual editor or create a policy document using the JSON editor.
Visual editor
JSON
Import managed policy
Use the visual editor to create and edit a policy by choosing services, actions, resources, and request conditions to add permissions to your policy. You can add multiple permission blocks to define complex permissions or to grant access to more than one service. Learn more
Expand all | Collapse all
Select a service
Clone | Remove
Service * Choose a service
Actions Choose a service before defining actions
Documentation
* Required
Cancel
Review policy
Feedback
English (US)
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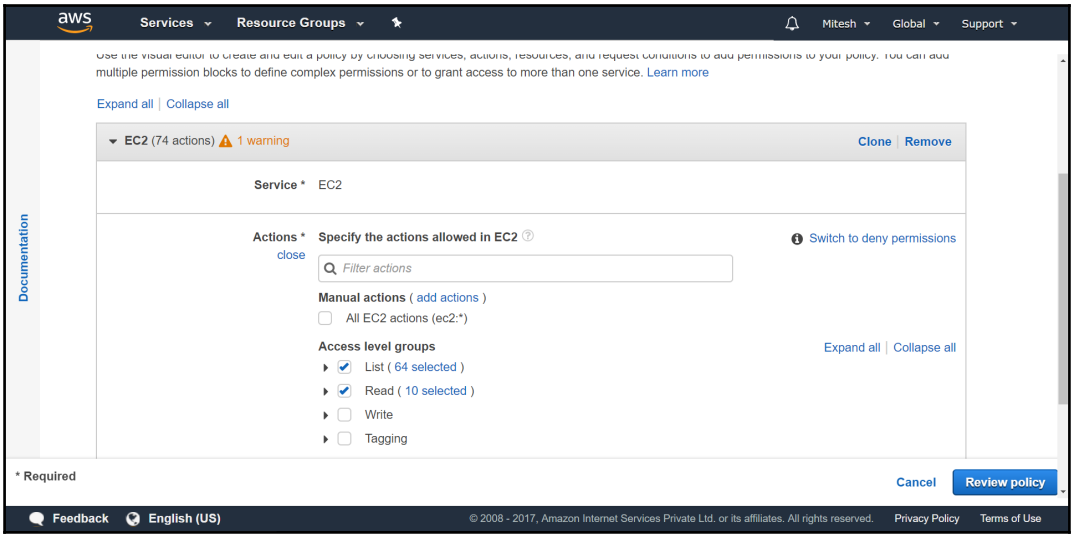
aws
Services
Resource Groups
Mitesh
Global
Support
multiple permission blocks to define complex permissions or to grant access to more than one service. Learn more
Expand all | Collapse all
EC2 (74 actions) 1 warning
Clone | Remove
Service * EC2
Actions * close
Specify the actions allowed in EC2
Switch to deny permissions
Filter actions
Manual actions (add actions)
All EC2 actions (ec2:*)
Access level groups
Expand all | Collapse all
List (64 selected)
Read (10 selected)
Write
Tagging
Documentation
* Required
Cancel
Review policy
Feedback
English (US)
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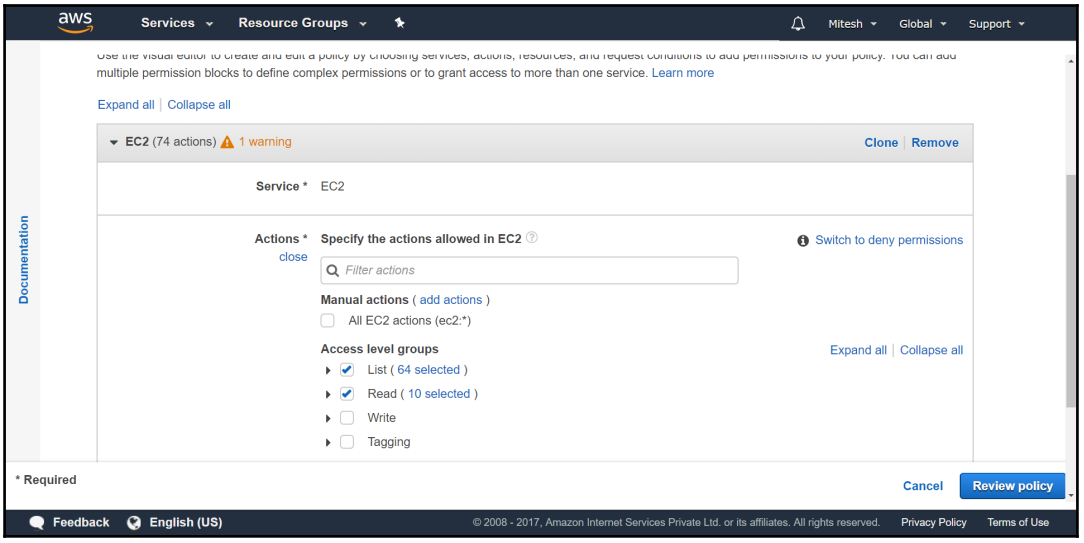
aws
Services
Resource Groups
Mitesh
Global
Support
multiple permission blocks to define complex permissions or to grant access to more than one service. Learn more
Expand all | Collapse all
EC2 (74 actions) 1 warning
Clone | Remove
Service * EC2
Actions * close
Specify the actions allowed in EC2
Switch to deny permissions
Filter actions
Manual actions (add actions)
All EC2 actions (ec2:*)
Access level groups
Expand all | Collapse all
List (64 selected)
Read (10 selected)
Write
Tagging
Documentation
* Required
Cancel
Review policy
Feedback
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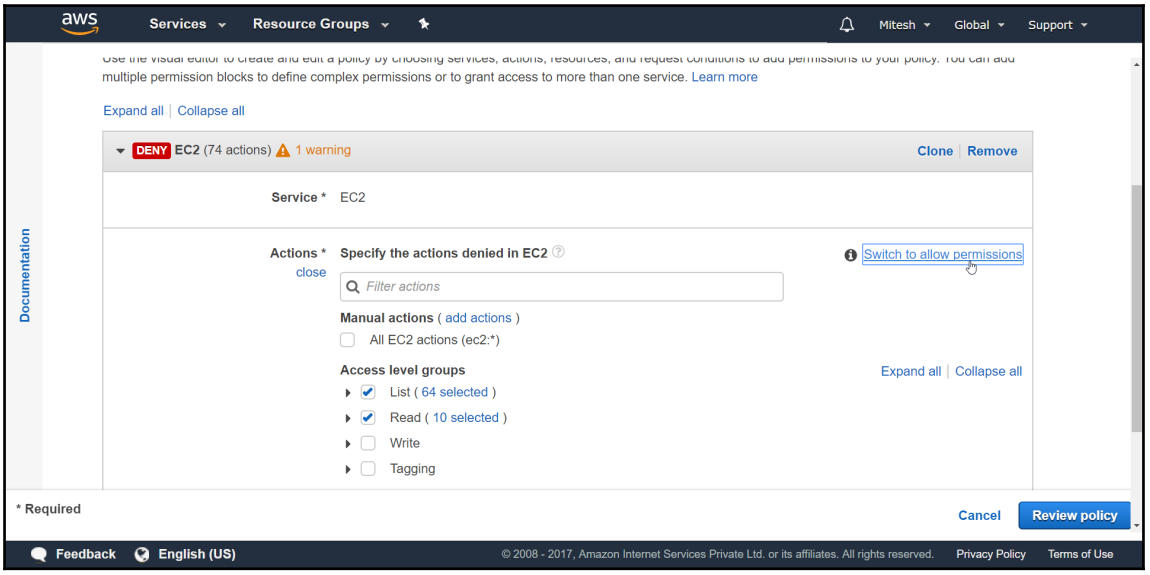
aws
Services
Resource Groups
Mitesh
Global
Support
multiple permission blocks to define complex permissions or to grant access to more than one service. Learn more
Expand all | Collapse all
DENY EC2 (74 actions) 1 warning
Clone | Remove
Service * EC2
Actions * close
Specify the actions denied in EC2
Switch to allow permissions
Filter actions
Manual actions (add actions)
All EC2 actions (ec2:*)
Access level groups
Expand all | Collapse all
List (64 selected)
Read (10 selected)
Write
Tagging
Documentation
* Required
Cancel
Review policy
Feedback
English (US)
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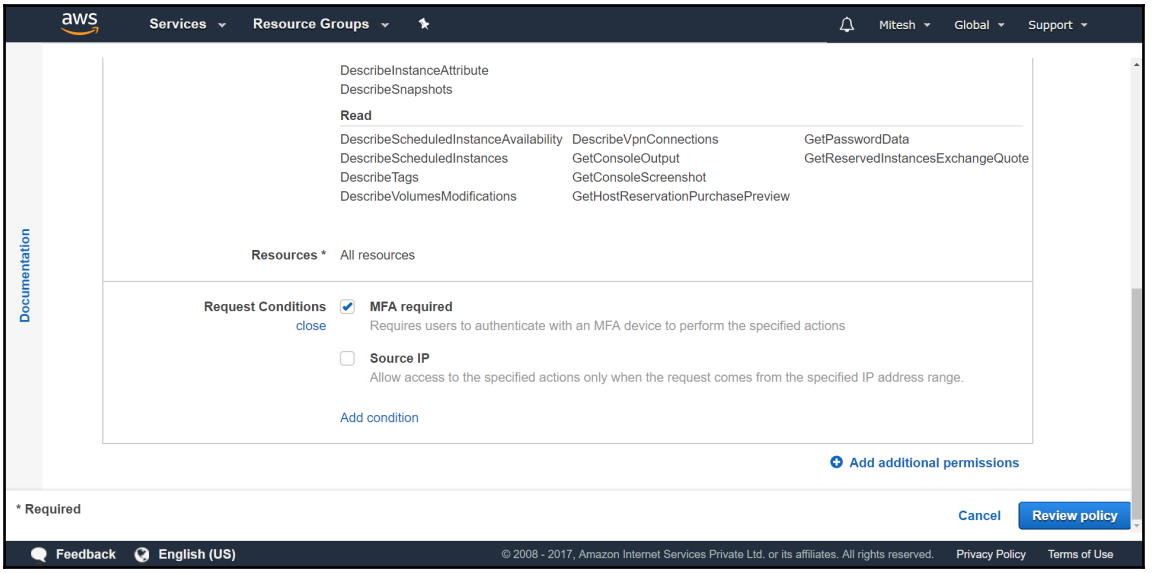
aws
Services
Resource Groups
Mitesh
Global
Support
Documentation
DescribeInstanceAttribute
DescribeSnapshots
Read
DescribeScheduledInstanceAvailability
DescribeScheduledInstances
DescribeTags
DescribeVolumesModifications
DescribeVpnConnections
GetConsoleOutput
GetConsoleScreenshot
GetHostReservationPurchasePreview
GetPasswordData
GetReservedInstancesExchangeQuote
Resources *
All resources
Request Conditions
close
MFA required
Requires users to authenticate with an MFA device to perform the specified actions
Source IP
Allow access to the specified actions only when the request comes from the specified IP address range.
Add condition
Add additional permissions
* Required
Cancel
Review policy
Feedback
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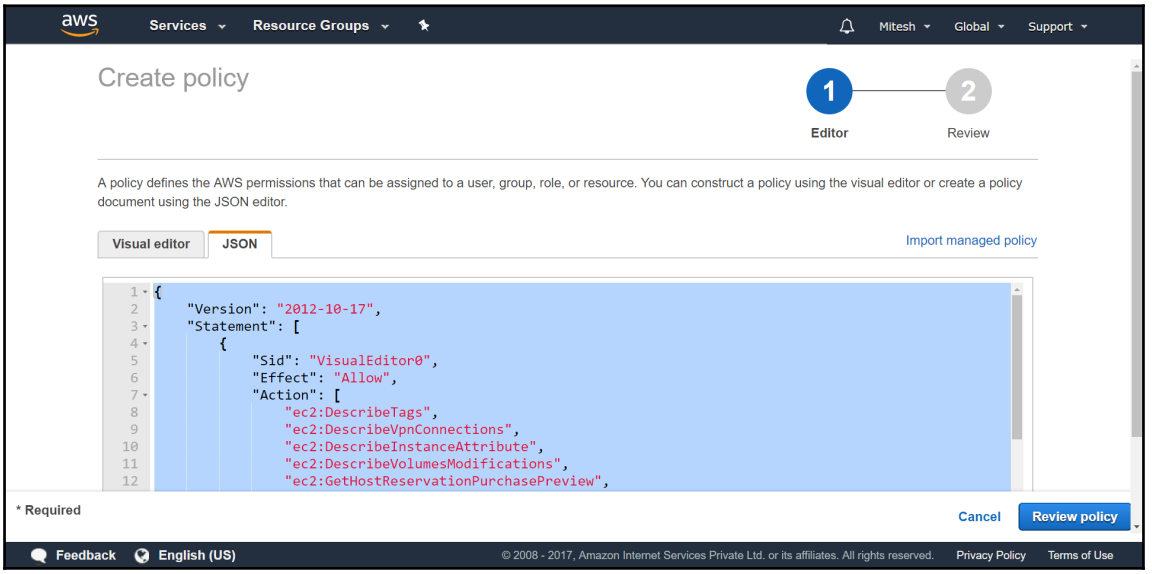
aws
Services
Resource Groups
Mitesh
Global
Support
Create policy
1
Editor
2
Review
A policy defines the AWS permissions that can be assigned to a user, group, role, or resource. You can construct a policy using the visual editor or create a policy document using the JSON editor.
Visual editor
JSON
Import managed policy
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "VisualEditor0",
"Effect": "Allow",
"Action": [
"ec2:DescribeTags",
"ec2:DescribeVpnConnections",
"ec2:DescribeInstanceAttribute",
"ec2:DescribeVolumesModifications",
"ec2:GetHostReservationPurchasePreview",
* Required
Cancel
Review policy
Feedback
English (US)
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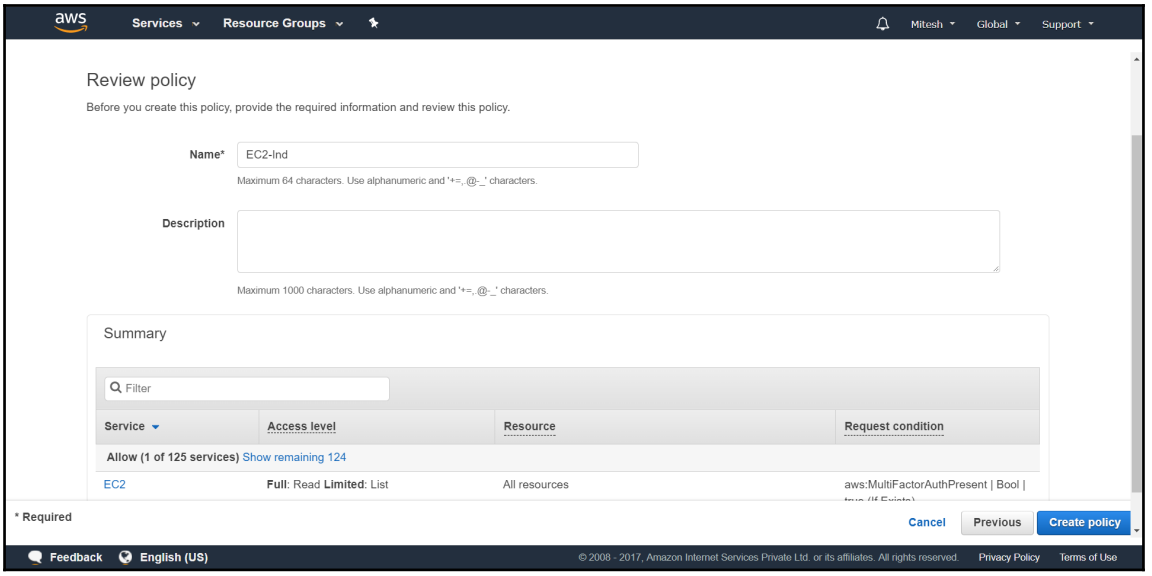
aws
Services
Resource Groups
Mitesh
Global
Support
Review policy
Before you create this policy, provide the required information and review this policy.
Name*
EC2-Ind
Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.
Description
Maximum 1000 characters. Use alphanumeric and '+=,.@-_' characters.
Summary
Filter
Service
Access level
Resource
Request condition
Allow (1 of 125 services) Show remaining 124
EC2
Full: Read Limited: List
All resources
aws:MultiFactorAuthPresent | Bool |
* Required
Cancel
Previous
Create policy
Feedback
English (US)
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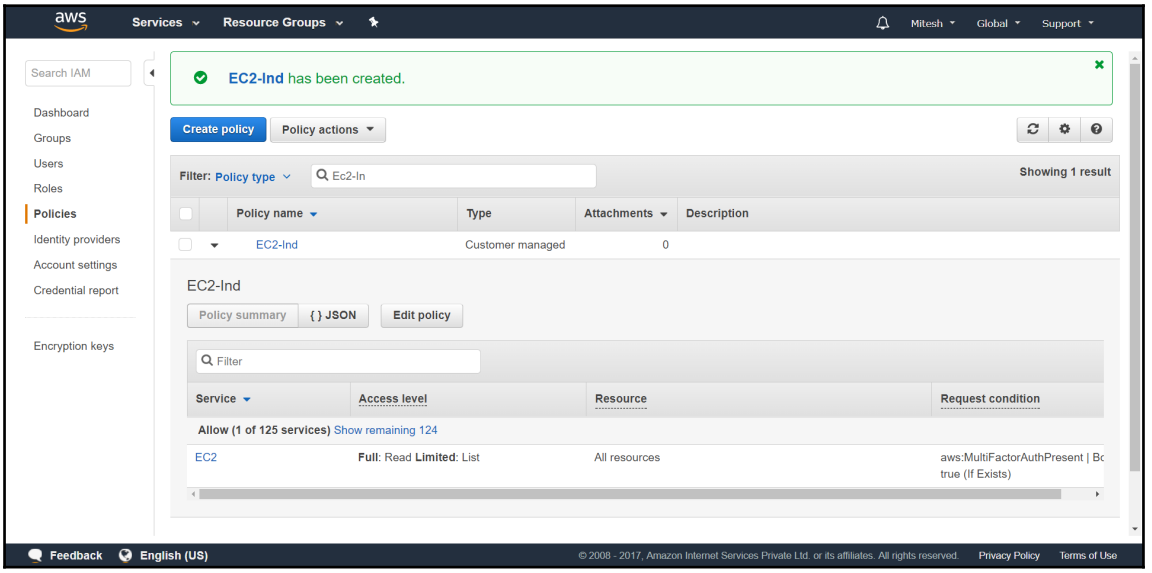
aws
Services
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Dashboard
Groups
Users
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Identity providers
Account settings
Credential report
Encryption keys
EC2-Ind has been created.
Create policy
Policy actions
Filter: Policy type
Ec2-In
Showing 1 result
Policy name
Type
Attachments
Description
EC2-Ind
Customer managed
0
EC2-Ind
Policy summary
{ } JSON
Edit policy
Filter
Service
Access level
Resource
Request condition
Allow (1 of 125 services) Show remaining 124
EC2
Full: Read Limited: List
All resources
aws:MultiFactorAuthPresent | Bo
true (If Exists)
Feedback
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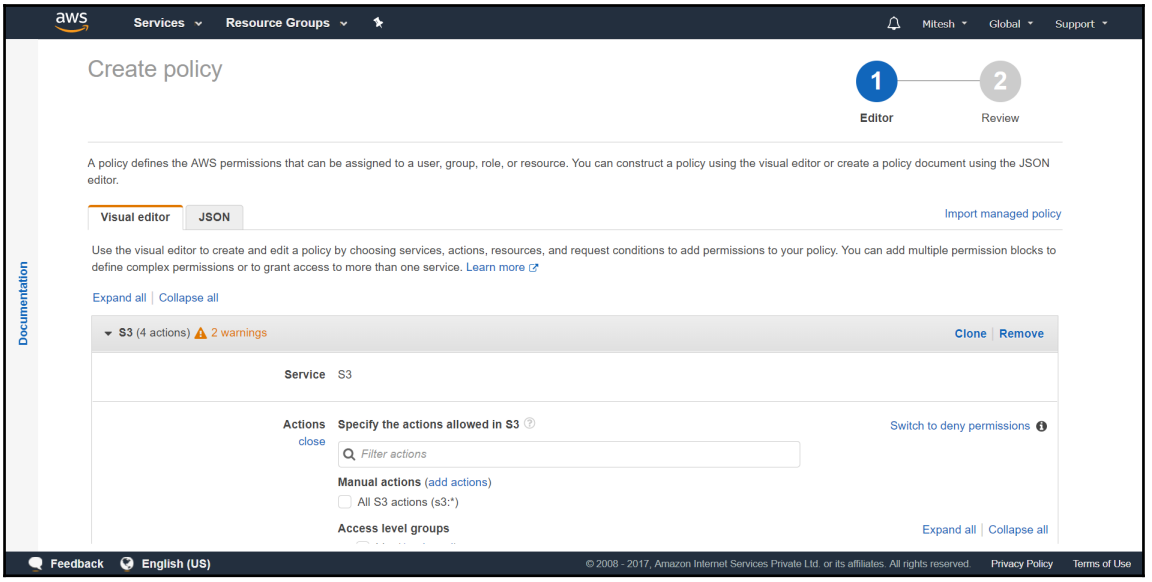
aws
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Resource Groups
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JSON
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Expand all | Collapse all
S3 (4 actions) 2 warnings
Clone | Remove
Service S3
Actions
close
Specify the actions allowed in S3
Switch to deny permissions
Filter actions
Manual actions (add actions)
All S3 actions (s3:*)
Access level groups
Expand all | Collapse all
Documentation
Feedback
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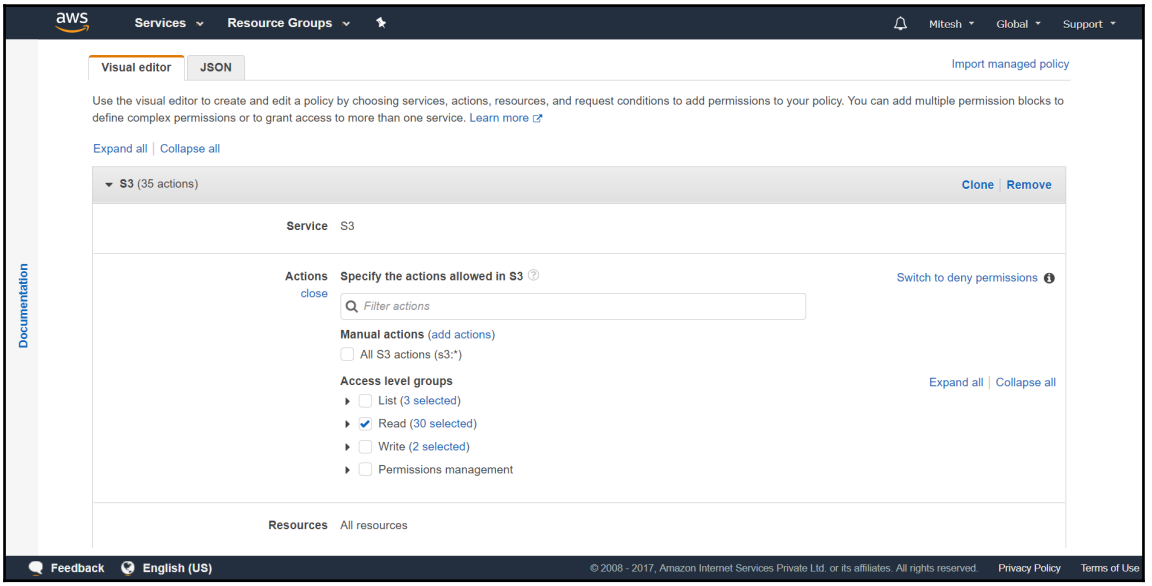
aws
Services
Resource Groups
Mitesh
Global
Support
Visual editor
JSON
Import managed policy
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Expand all | Collapse all
S3 (35 actions)
Clone | Remove
Service S3
Actions
close
Specify the actions allowed in S3
Switch to deny permissions
Filter actions
Manual actions (add actions)
All S3 actions (s3:*)
Access level groups
Expand all | Collapse all
List (3 selected)
Read (30 selected)
Write (2 selected)
Permissions management
Resources All resources
Documentation
Feedback
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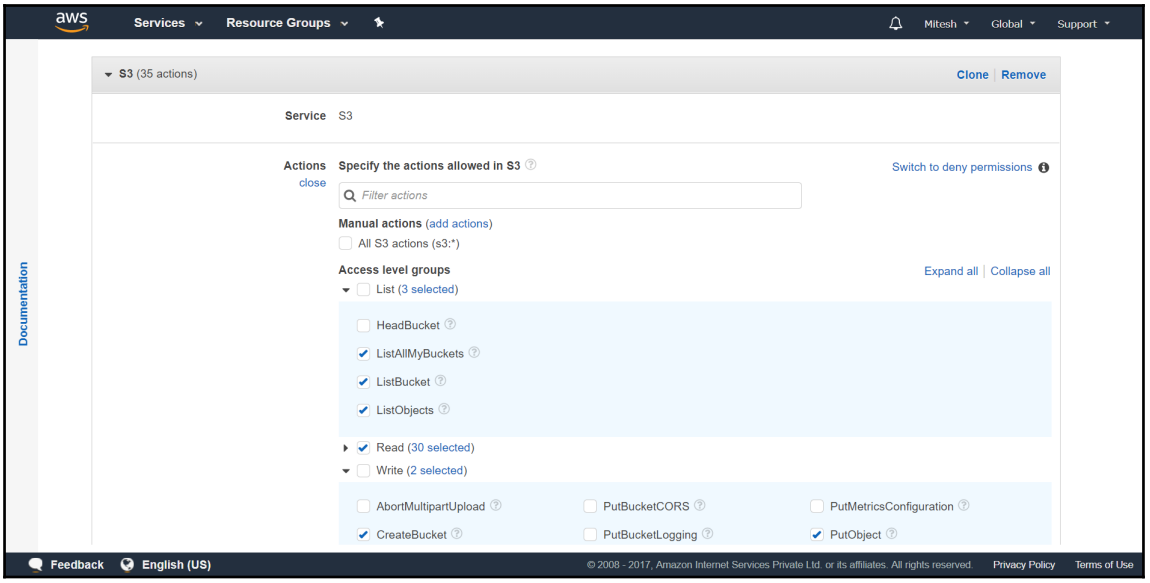
aws
Services
Resource Groups
Mitesh
Global
Support
Documentation
S3 (35 actions)
Clone
Remove
Service
S3
Actions
close
Specify the actions allowed in S3
Switch to deny permissions
Filter actions
Manual actions (add actions)
All S3 actions (s3:*)
Access level groups
Expand all
Collapse all
List (3 selected)
HeadBucket
ListAllMyBuckets
ListBucket
ListObjects
Read (30 selected)
Write (2 selected)
AbortMultipartUpload
PutBucketCORS
PutMetricsConfiguration
CreateBucket
PutBucketLogging
PutObject
Feedback
English (US)
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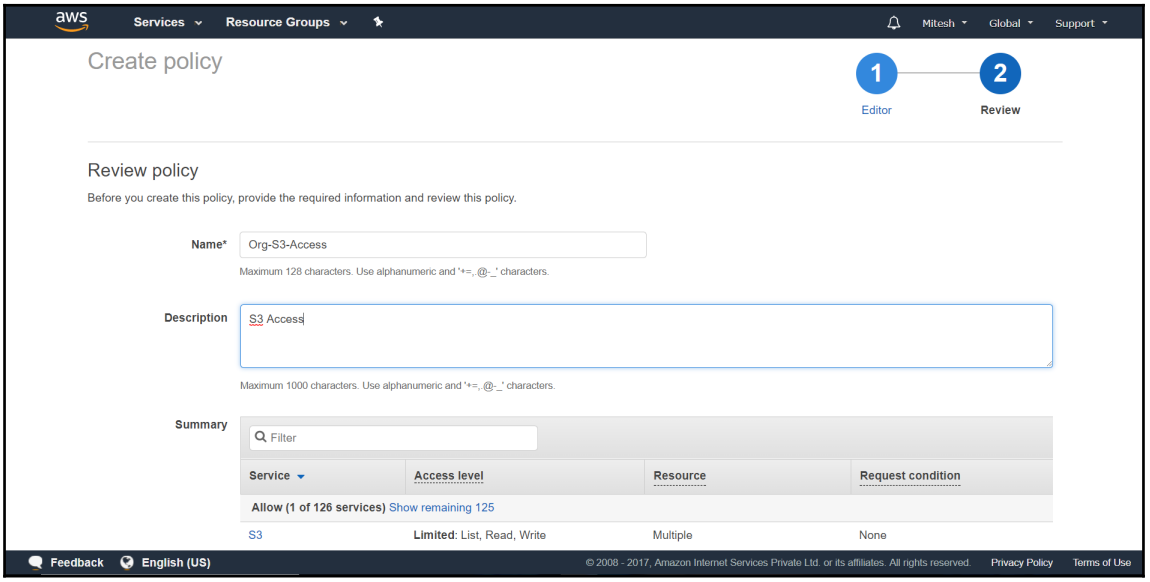
aws
Services
Resource Groups
Mitesh
Global
Support
Create policy
1
Editor
2
Review
Review policy
Before you create this policy, provide the required information and review this policy.
Name*
Org-S3-Access
Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.
Description
S3 Access
Maximum 1000 characters. Use alphanumeric and '+=,.@-_' characters.
Summary
Filter
Service
Access level
Resource
Request condition
Allow (1 of 126 services) Show remaining 125
S3
Limited: List, Read, Write
Multiple
None
Feedback
English (US)
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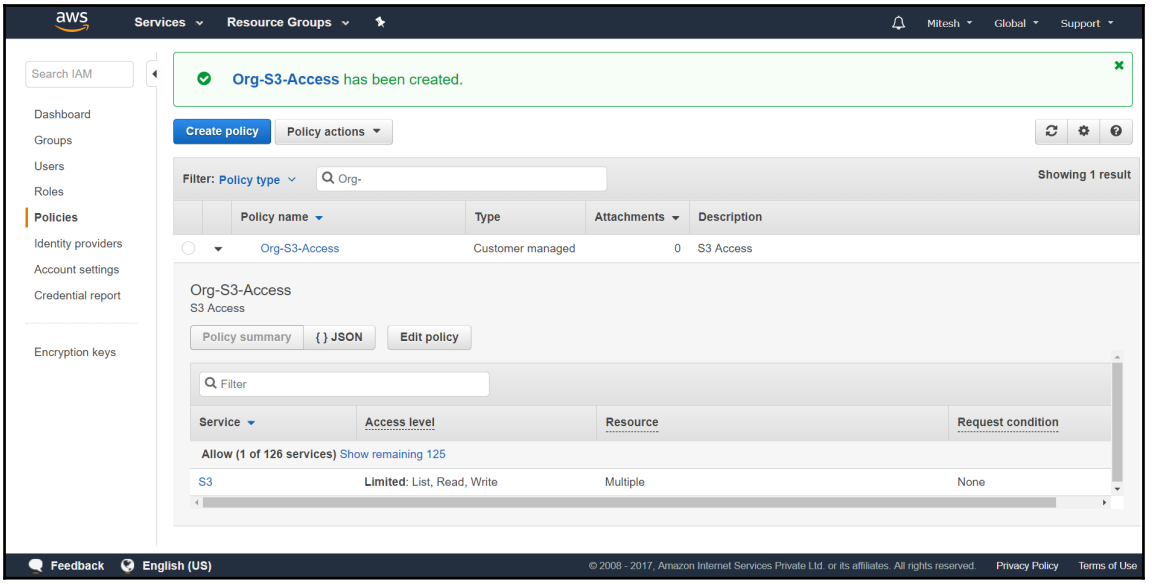
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Org-S3-Access has been created.
Create policy
Policy actions
Filter: Policy type
Org-
Showing 1 result
Policy name
Type
Attachments
Description
Org-S3-Access
Customer managed
0
S3 Access
Org-S3-Access
S3 Access
Policy summary
{ } JSON
Edit policy
Filter
Service
Access level
Resource
Request condition
Allow (1 of 126 services) Show remaining 125
S3
Limited: List, Read, Write
Multiple
None
Feedback
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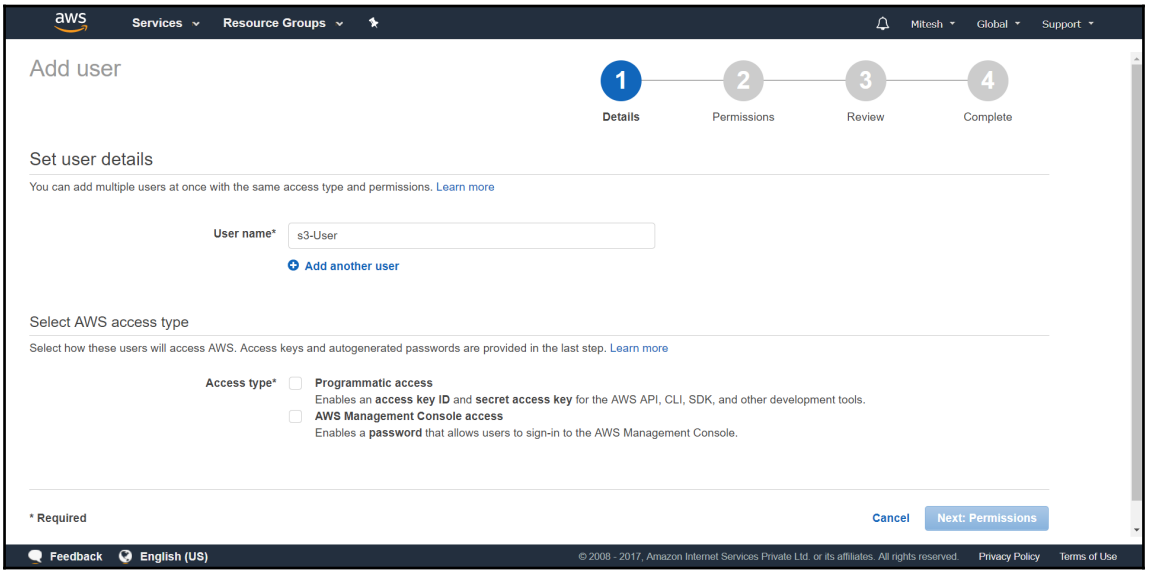
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1
Details
2
Permissions
3
Review
4
Complete
Set user details
You can add multiple users at once with the same access type and permissions. Learn more
User name*
s3-User
Add another user
Select AWS access type
Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. Learn more
Access type*
Programmatic access
Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.
AWS Management Console access
Enables a password that allows users to sign-in to the AWS Management Console.
* Required
Cancel
Next: Permissions
Feedback
English (US)
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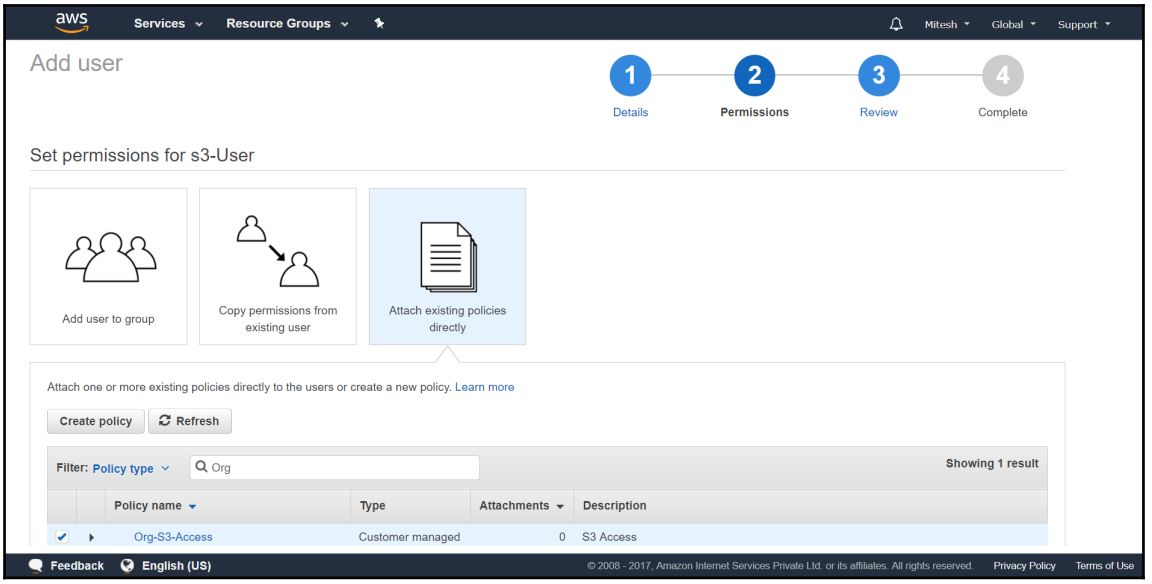
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1 Details
2 Permissions
3 Review
4 Complete
Set permissions for s3-User
Add user to group
Copy permissions from existing user
Attach existing policies directly
Attach one or more existing policies directly to the users or create a new policy. Learn more
Create policy
Refresh
Filter: Policy type
Org
Showing 1 result
Policy name
Type
Attachments
Description
Org-S3-Access
Customer managed
0
S3 Access
Feedback
English (US)
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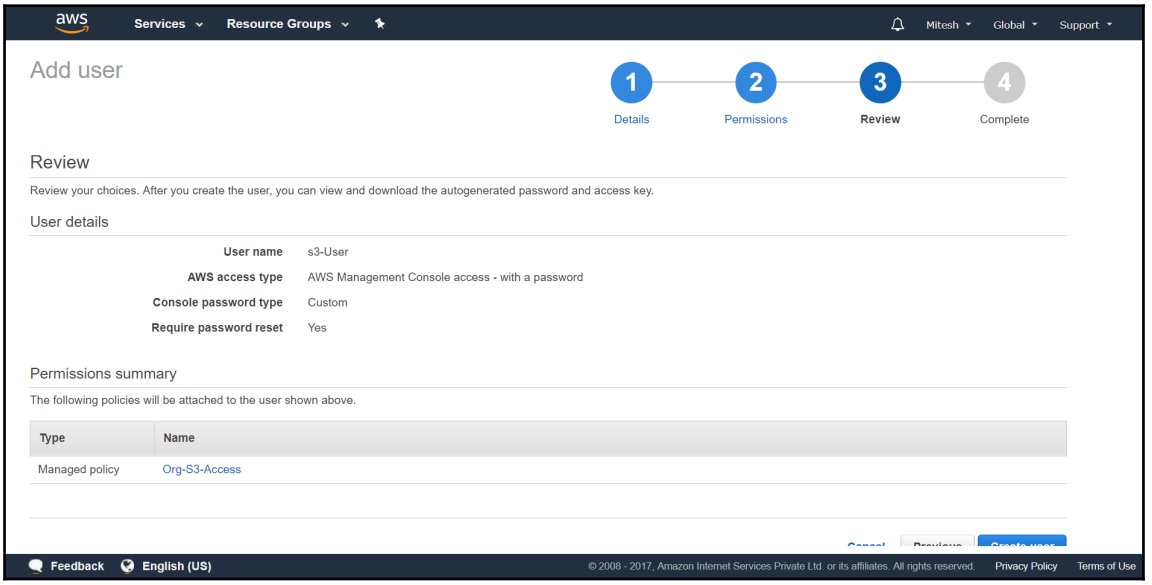
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1 Details
2 Permissions
3 Review
4 Complete
Review
Review your choices. After you create the user, you can view and download the autogenerated password and access key.
User details
User name
s3-User
AWS access type
AWS Management Console access - with a password
Console password type
Custom
Require password reset
Yes
Permissions summary
The following policies will be attached to the user shown above.
Type
Name
Managed policy
Org-S3-Access
Feedback
English (US)
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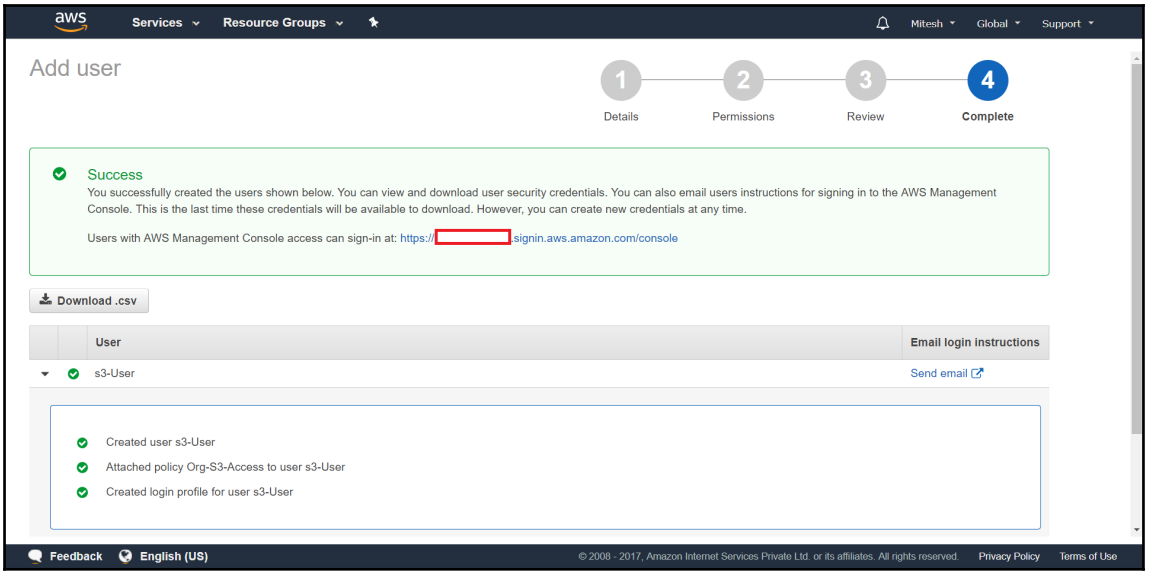
aws
Services
Resource Groups
Mitesh
Global
Support
Add user
1
Details
2
Permissions
3
Review
4
Complete
Success
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.
Users with AWS Management Console access can sign-in at: https://[redacted].signin.aws.amazon.com/console
Download .csv
User
Email login instructions
s3-User
Send email
Created user s3-User
Attached policy Org-S3-Access to user s3-User
Created login profile for user s3-User
Feedback
English (US)
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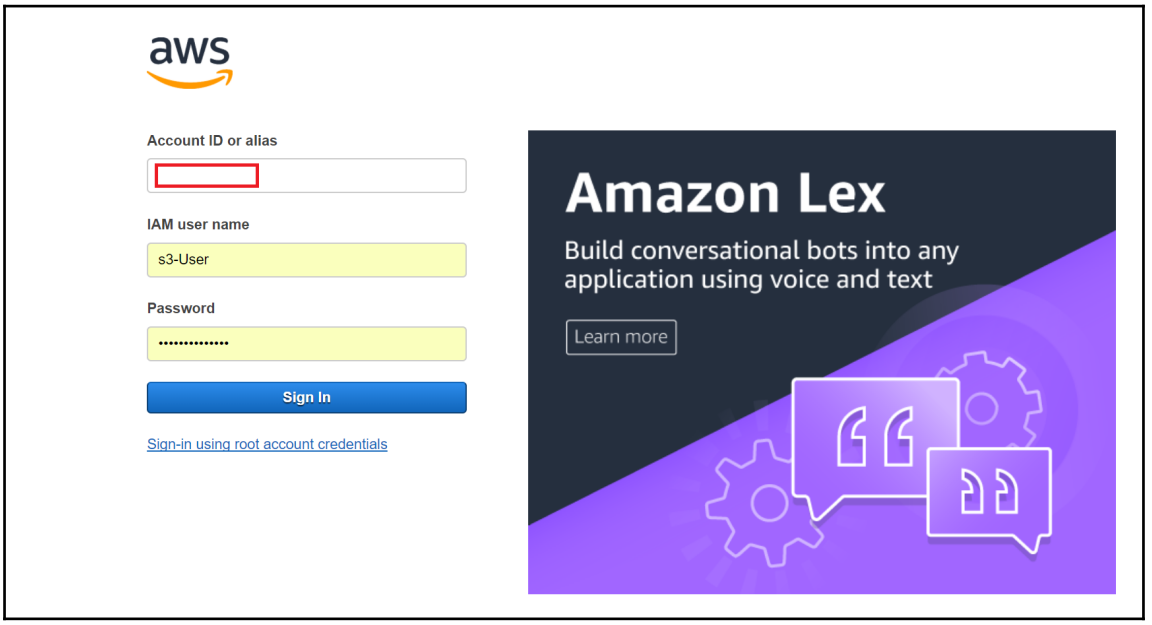
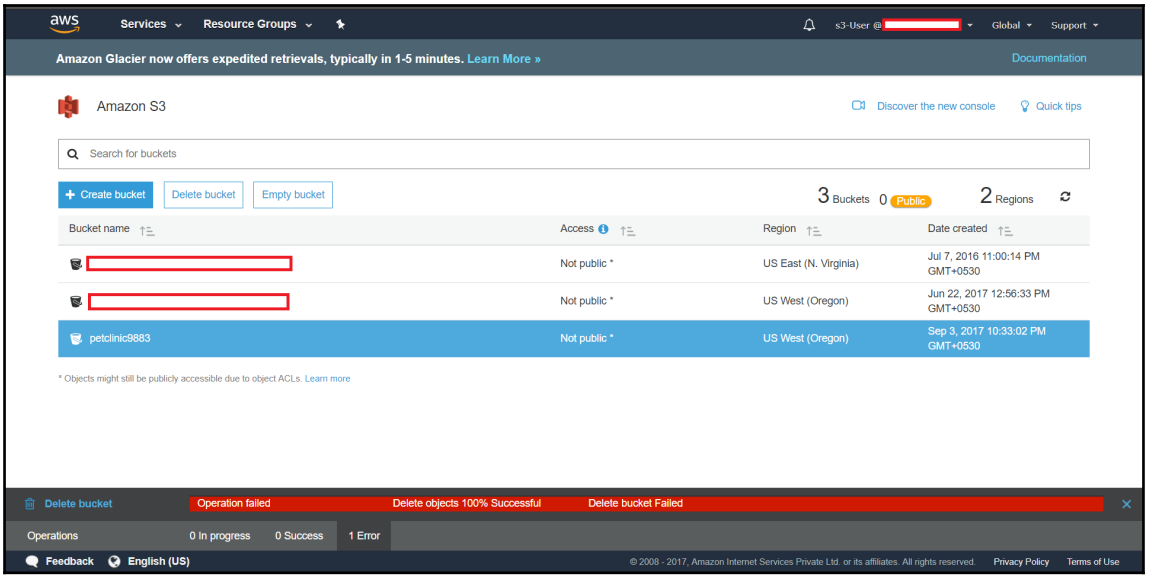

aws
Account ID or alias
[redacted]
IAM user name
s3-User
Password
Sign In
Sign-in using root account credentials
Amazon Lex
Build conversational bots into any application using voice and text
Learn more


aws
Services
Resource Groups
s3-User @
Global
Support
Amazon Glacier now offers expedited retrievals, typically in 1-5 minutes. Learn More »
Documentation
Amazon S3
Discover the new console
Quick tips
Search for buckets
Create bucket
Delete bucket
Empty bucket
3 Buckets 0 Public
2 Regions
Bucket name
Access
Region
Date created
Not public *
US East (N. Virginia)
Jul 7, 2016 11:00:14 PM GMT+0530
Not public *
US West (Oregon)
Jun 22, 2017 12:56:33 PM GMT+0530
petclinic9883
Not public *
US West (Oregon)
Sep 3, 2017 10:33:02 PM GMT+0530
* Objects might still be publicly accessible due to object ACLs. Learn more
Delete bucket
Operation failed
Delete objects 100% Successful
Delete bucket Failed
Operations
0 In progress
0 Success
1 Error
Feedback
English (US)
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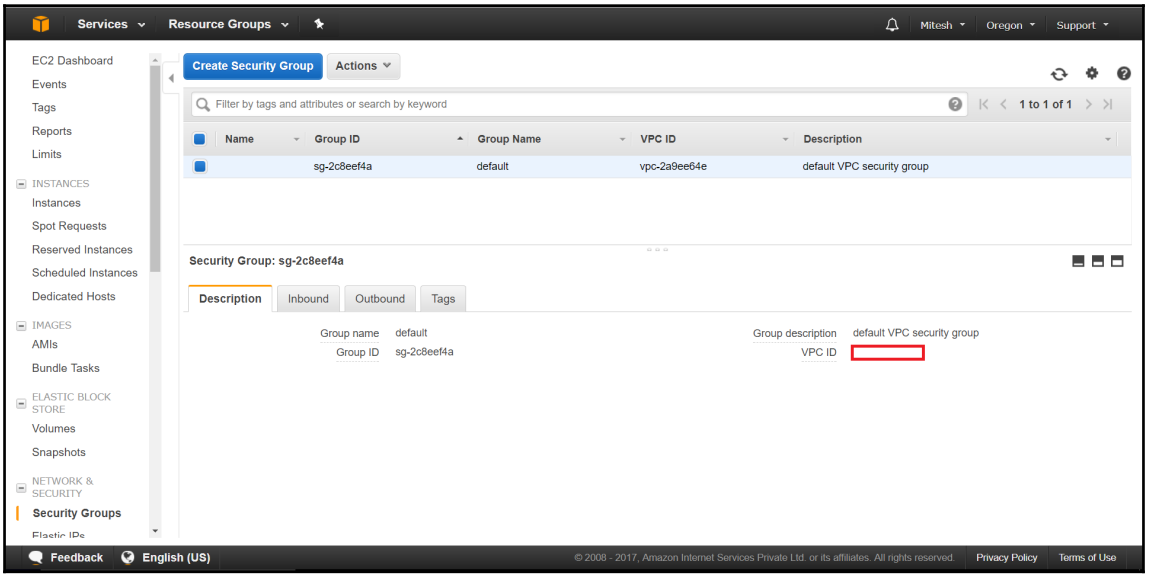
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Create Security Group
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Group ID
Group Name
VPC ID
Description
sg-2c8eef4a
default
vpc-2a9ee64e
default VPC security group
Security Group: sg-2c8eef4a
Description
Inbound
Outbound
Tags
Group name default
Group ID sg-2c8eef4a
Group description default VPC security group
VPC ID
Feedback
English (US)
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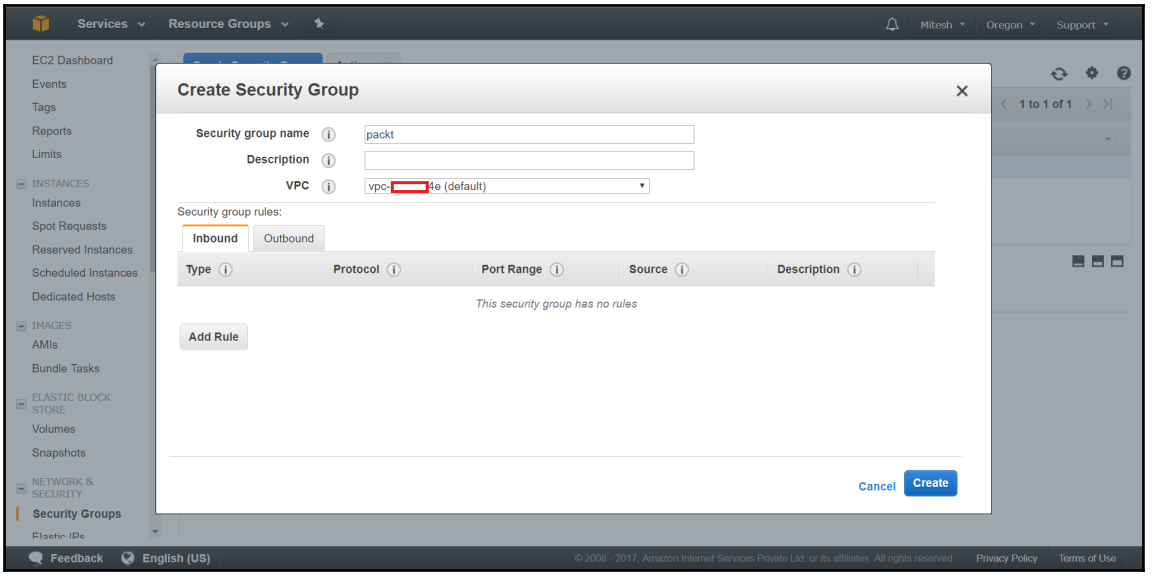
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Create Security Group
Security group name
packt
Description
VPC
vpc- 4e (default)
Security group rules:
Inbound
Outbound
Type
Protocol
Port Range
Source
Description
This security group has no rules
Add Rule
Cancel
Create
1 to 1 of 1
Feedback
English (US)
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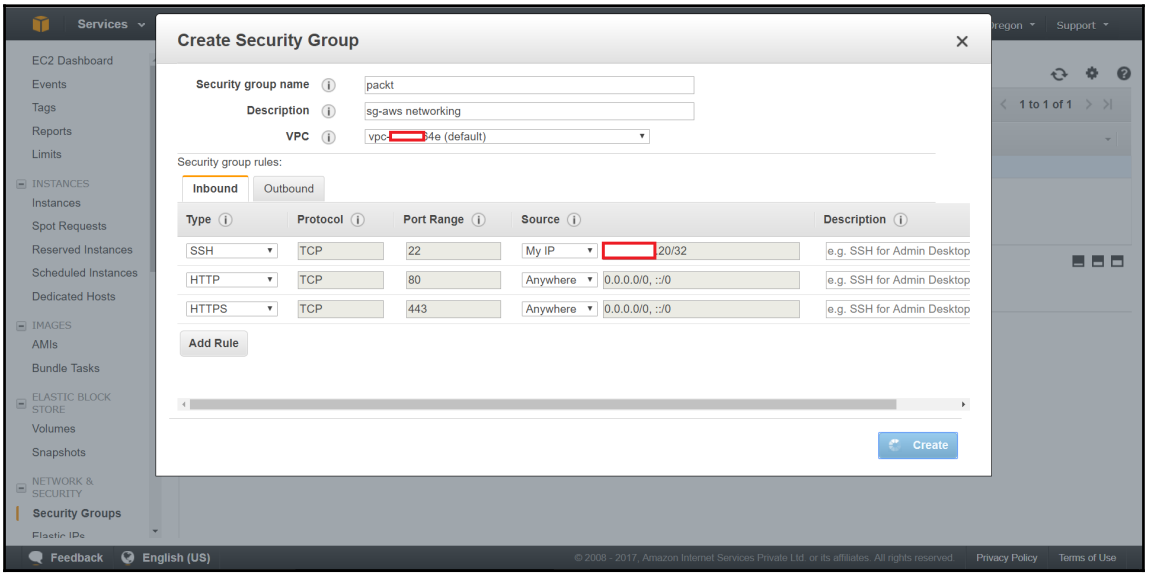
Services
Create Security Group
Security group name
packt
Description
sg-aws networking
VPC
vpc- 4e (default)
Security group rules:
Inbound
Outbound
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
My IP
20/32
e.g. SSH for Admin Desktop
HTTP
TCP
80
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
HTTPS
TCP
443
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Create
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
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Volumes
Snapshots
NETWORK & SECURITY
Security Groups
1 to 1 of 1
Feedback
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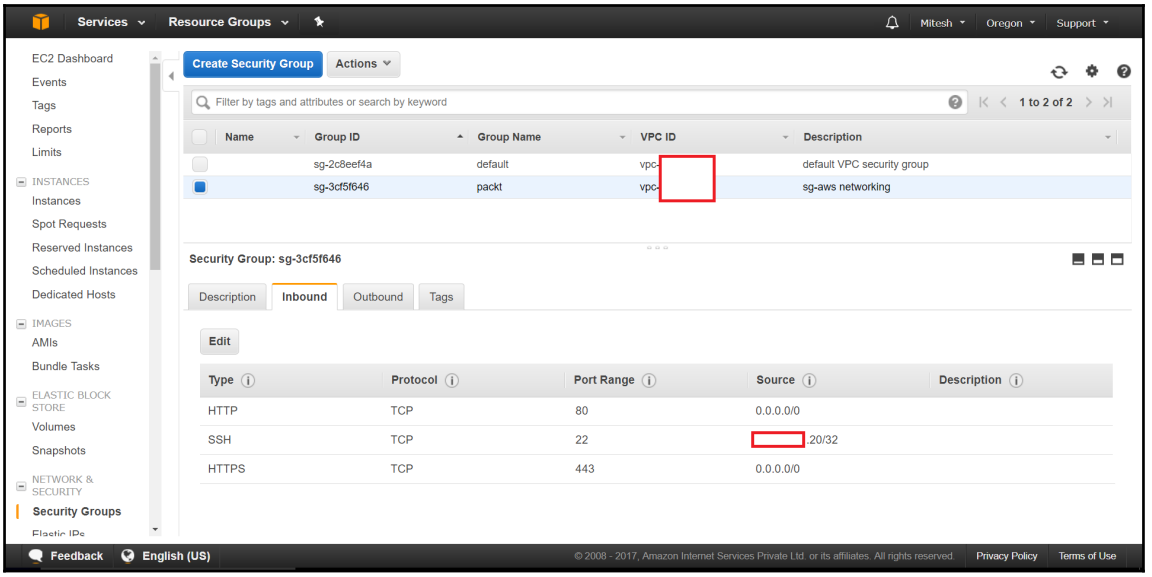
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Create Security Group
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Group ID
Group Name
VPC ID
Description
sg-2c8eef4a
default
vpc-
default VPC security group
sg-3cf5f646
packt
vpc-
sg-aws networking
Security Group: sg-3cf5f646
Description
Inbound
Outbound
Tags
Edit
Type
Protocol
Port Range
Source
Description
HTTP
TCP
80
0.0.0.0/0
SSH
TCP
22
20/32
HTTPS
TCP
443
0.0.0.0/0
Feedback
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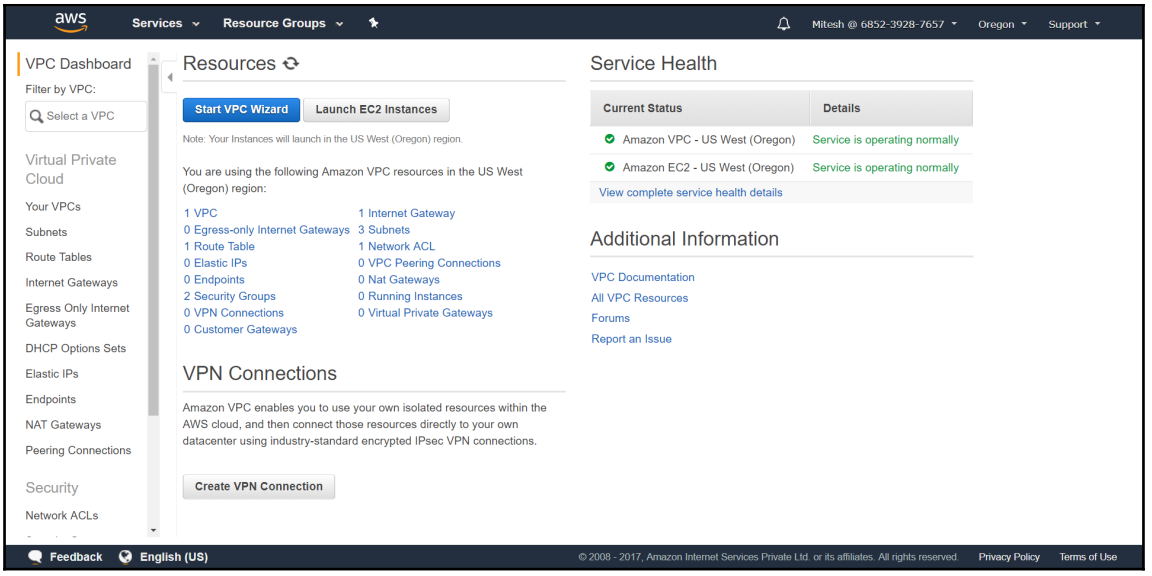
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Resources
Start VPC Wizard
Launch EC2 Instances
Note: Your Instances will launch in the US West (Oregon) region.
You are using the following Amazon VPC resources in the US West (Oregon) region:
1 VPC
0 Egress-only Internet Gateways
1 Route Table
0 Elastic IPs
0 Endpoints
2 Security Groups
0 VPN Connections
0 Customer Gateways
1 Internet Gateway
3 Subnets
1 Network ACL
0 VPC Peering Connections
0 Nat Gateways
0 Running Instances
0 Virtual Private Gateways
VPN Connections
Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.
Create VPN Connection
Service Health
Current Status
Details
Amazon VPC - US West (Oregon)
Service is operating normally
Amazon EC2 - US West (Oregon)
Service is operating normally
View complete service health details
Additional Information
VPC Documentation
All VPC Resources
Forums
Report an Issue
Feedback
English (US)
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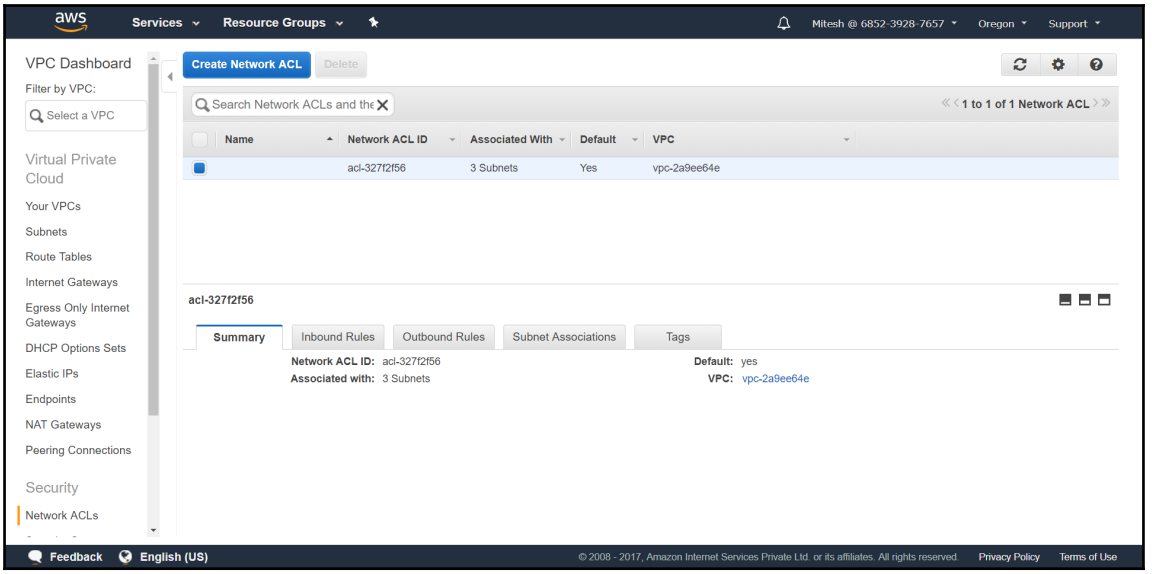
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Search Network ACLs and the
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Network ACL ID: acl-327f2f56
Associated with: 3 Subnets
Default: yes
VPC: vpc-2a9ee64e
Feedback
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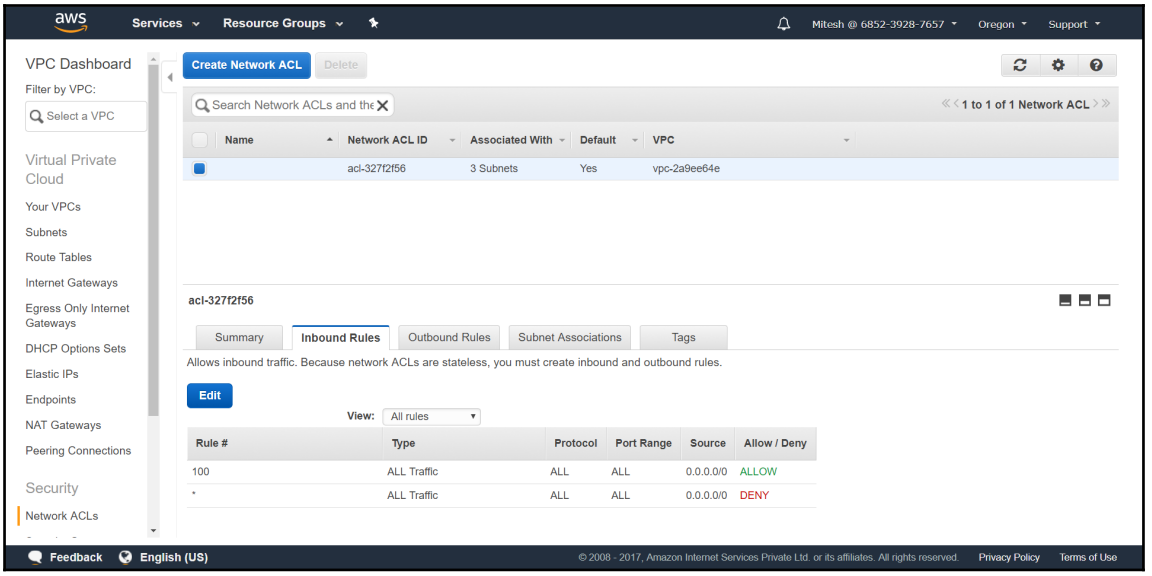
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Search Network ACLs and the
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows inbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Edit
View:
All rules
Rule #
Type
Protocol
Port Range
Source
Allow / Deny
100
ALL Traffic
ALL
ALL
0.0.0.0/0
ALLOW
*
ALL Traffic
ALL
ALL
0.0.0.0/0
DENY
Feedback
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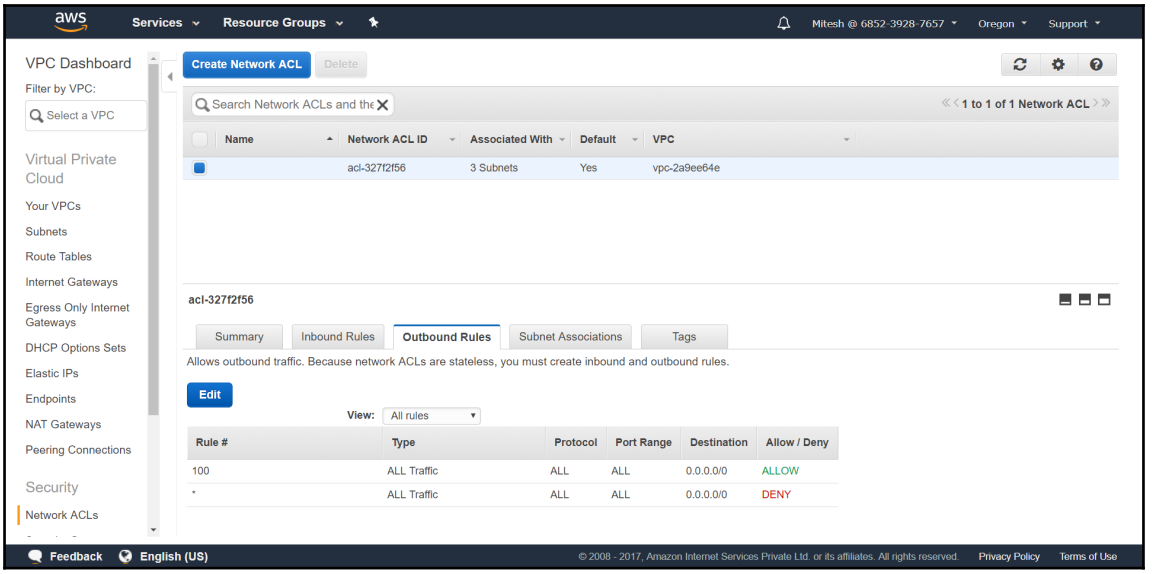
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Search Network ACLs and the
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows outbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Edit
View:
All rules
Rule #
Type
Protocol
Port Range
Destination
Allow / Deny
100
ALL Traffic
ALL
ALL
0.0.0.0/0
ALLOW
*
ALL Traffic
ALL
ALL
0.0.0.0/0
DENY
Feedback
English (US)
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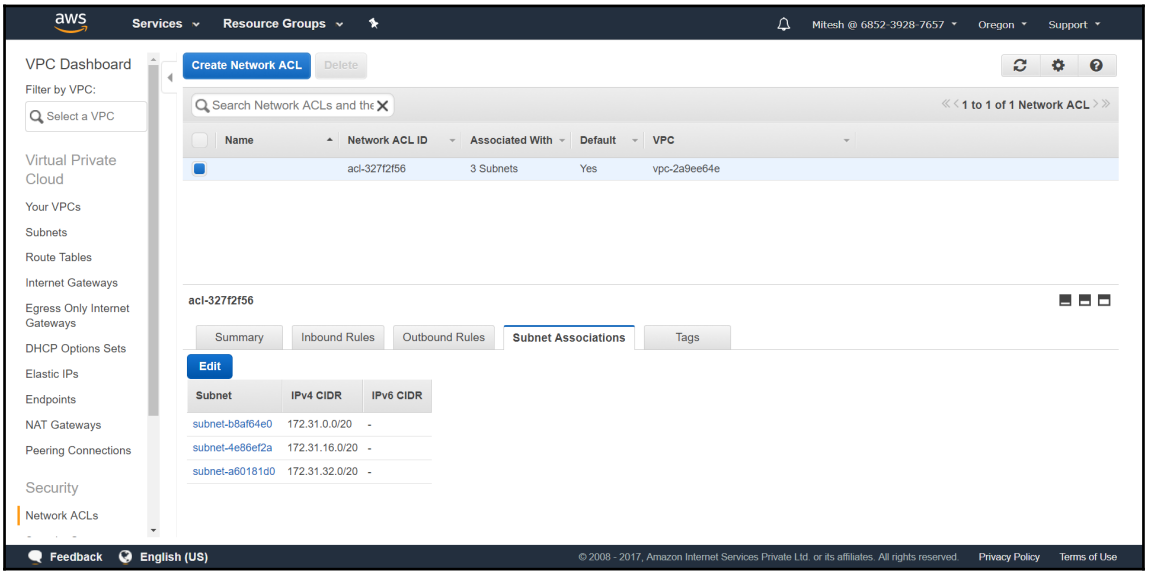
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Search Network ACLs and the
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Edit
Subnet
IPv4 CIDR
IPv6 CIDR
subnet-b8af64e0
172.31.0.0/20
-
subnet-4e86ef2a
172.31.16.0/20
-
subnet-a60181d0
172.31.32.0/20
-
Feedback
English (US)
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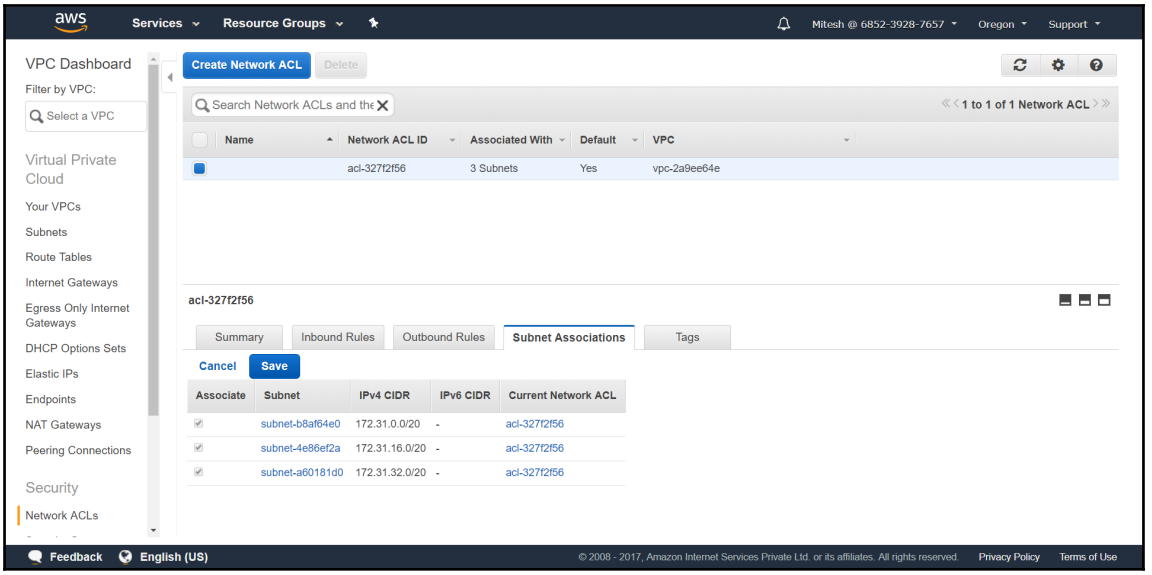
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Search Network ACLs and the
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
acl-327f2f56
3 Subnets
Yes
vpc-2a9ee64e
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Cancel
Save
Associate
Subnet
IPv4 CIDR
IPv6 CIDR
Current Network ACL
subnet-b8af64e0
172.31.0.0/20
acl-327f2f56
subnet-4e86ef2a
172.31.16.0/20
acl-327f2f56
subnet-a60181d0
172.31.32.0/20
acl-327f2f56
Feedback
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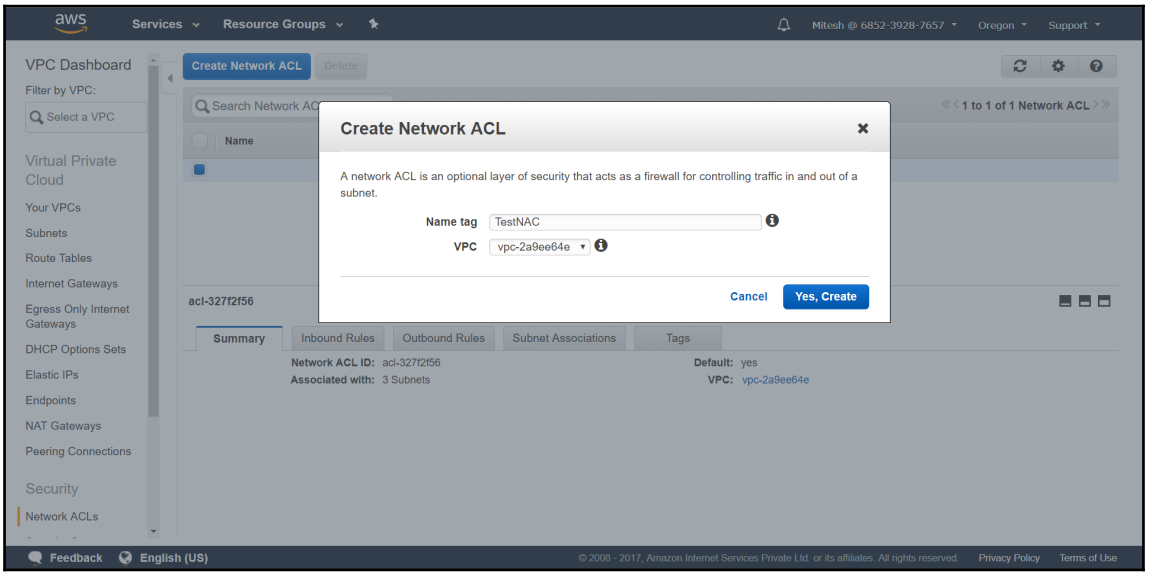
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
1 to 1 of 1 Network ACL
Name
Create Network ACL
A network ACL is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet.
Name tag
TestNAC
VPC
vpc-2a9ee64e
Cancel
Yes, Create
acl-327f2f56
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Network ACL ID: acl-327f2f56
Associated with: 3 Subnets
Default: yes
VPC: vpc-2a9ee64e
Feedback
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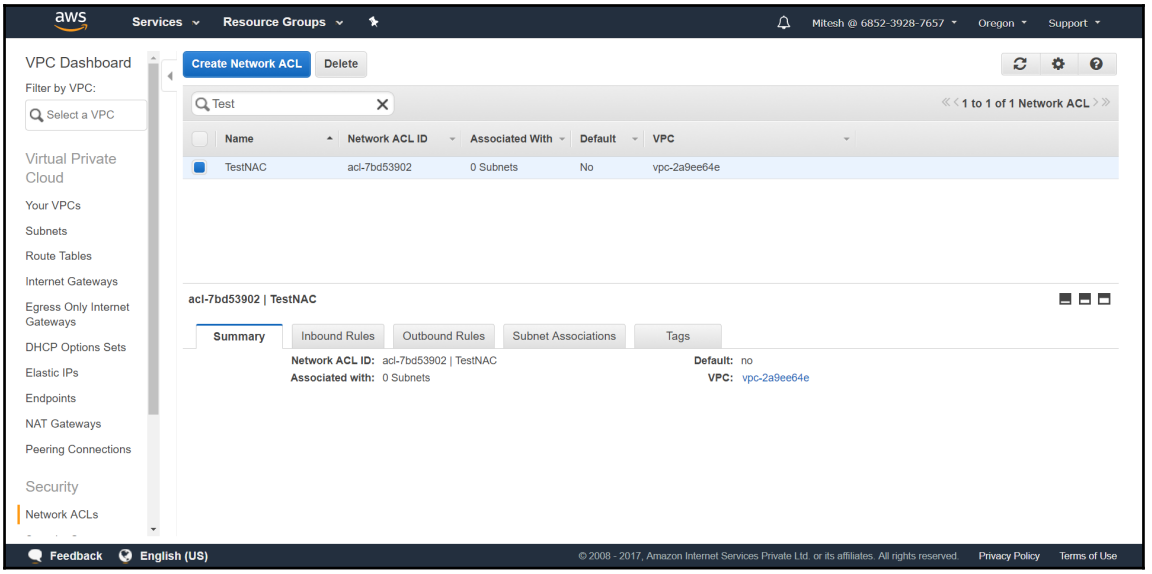
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Network ACL ID: acl-7bd53902 | TestNAC
Associated with: 0 Subnets
Default: no
VPC: vpc-2a9ee64e
Feedback
English (US)
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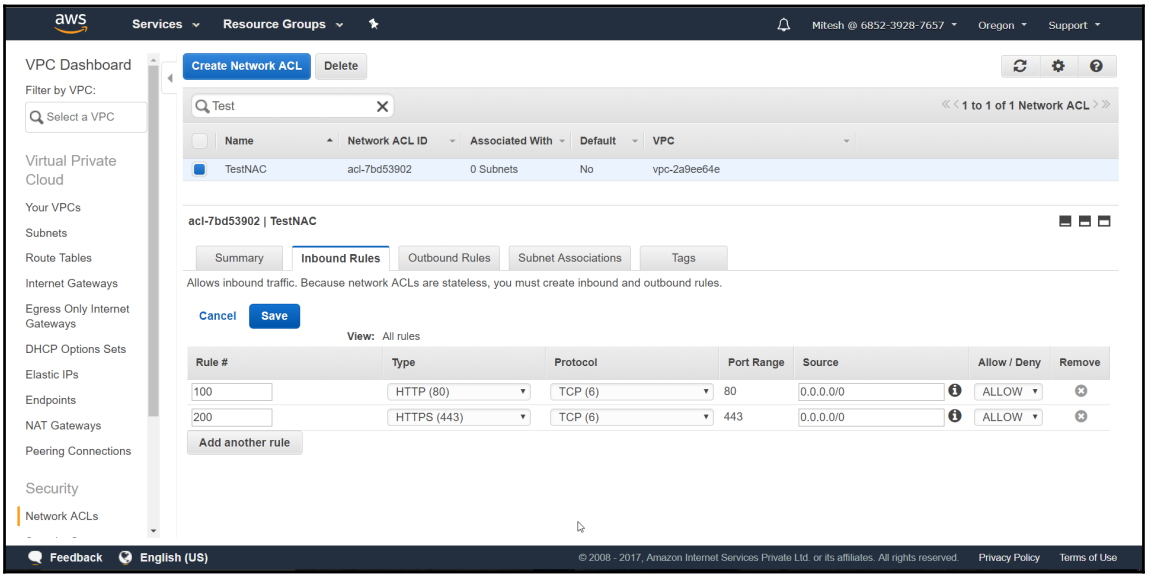
Terms of Use


aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows inbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Cancel
Save
View: All rules
Rule #
Type
Protocol
Port Range
Source
Allow / Deny
Remove
100
HTTP (80)
TCP (6)
80
0.0.0.0/0
ALLOW
200
HTTPS (443)
TCP (6)
443
0.0.0.0/0
ALLOW
Add another rule
Feedback
English (US)
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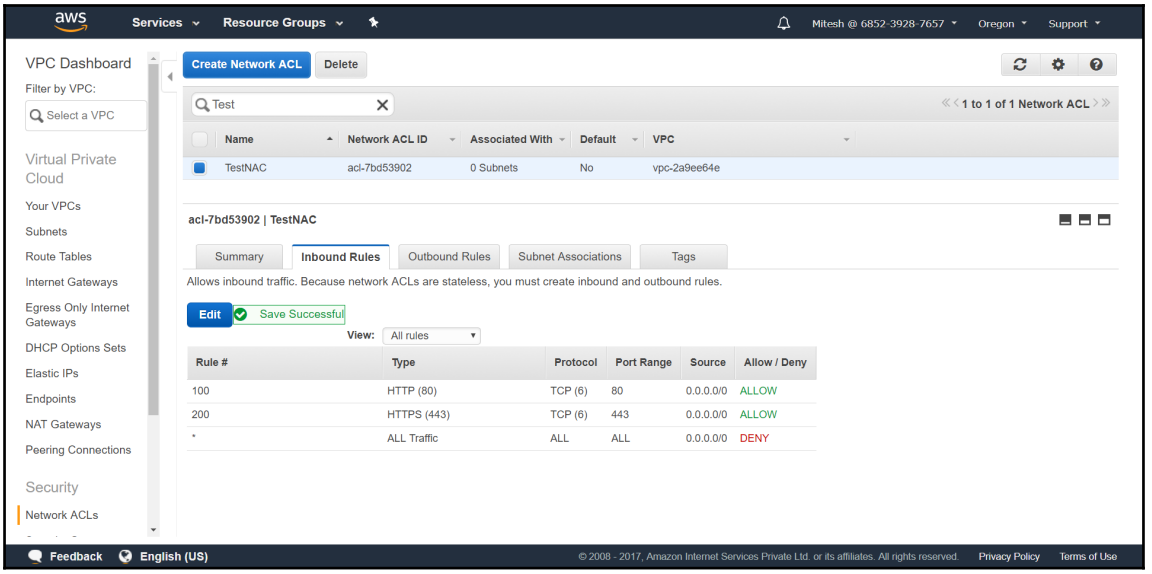
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows inbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Edit
Save Successful
View:
All rules
Rule #
Type
Protocol
Port Range
Source
Allow / Deny
100
HTTP (80)
TCP (6)
80
0.0.0.0/0
ALLOW
200
HTTPS (443)
TCP (6)
443
0.0.0.0/0
ALLOW
*
ALL Traffic
ALL
ALL
0.0.0.0/0
DENY
Feedback
English (US)
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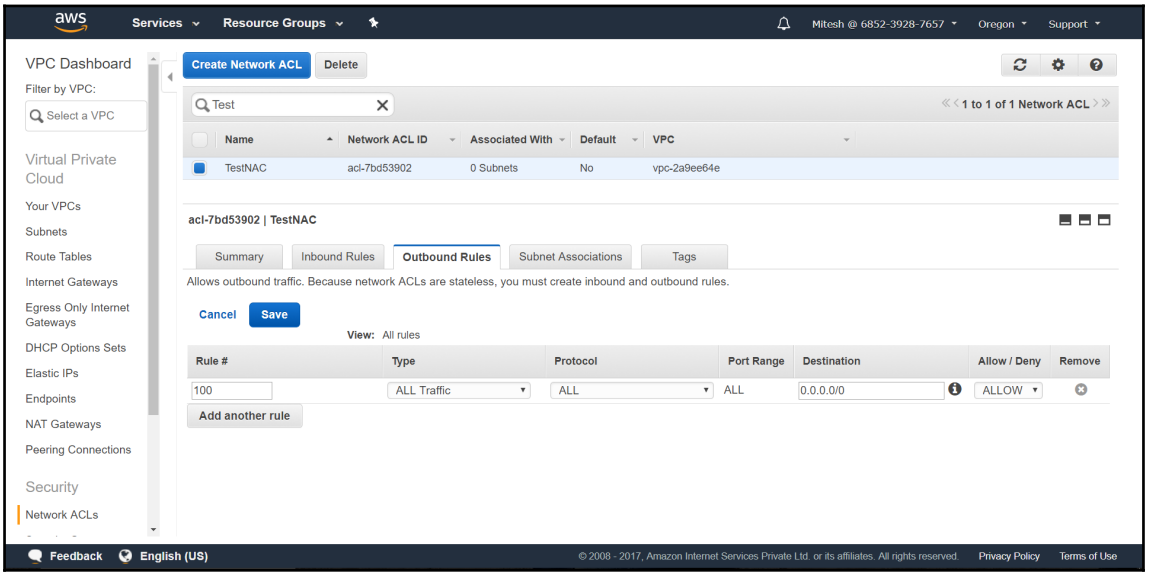
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Allows outbound traffic. Because network ACLs are stateless, you must create inbound and outbound rules.
Cancel
Save
View:
All rules
Rule #
Type
Protocol
Port Range
Destination
Allow / Deny
Remove
100
ALL Traffic
ALL
ALL
0.0.0.0/0
ALLOW
Add another rule
Feedback
English (US)
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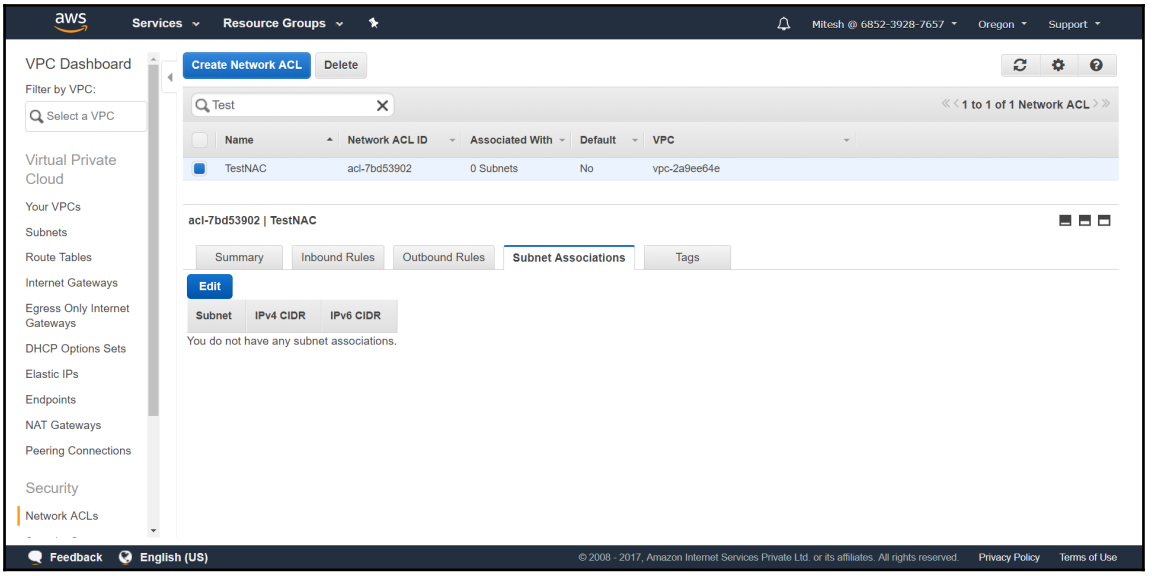
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Edit
Subnet
IPv4 CIDR
IPv6 CIDR
You do not have any subnet associations.
Feedback
English (US)
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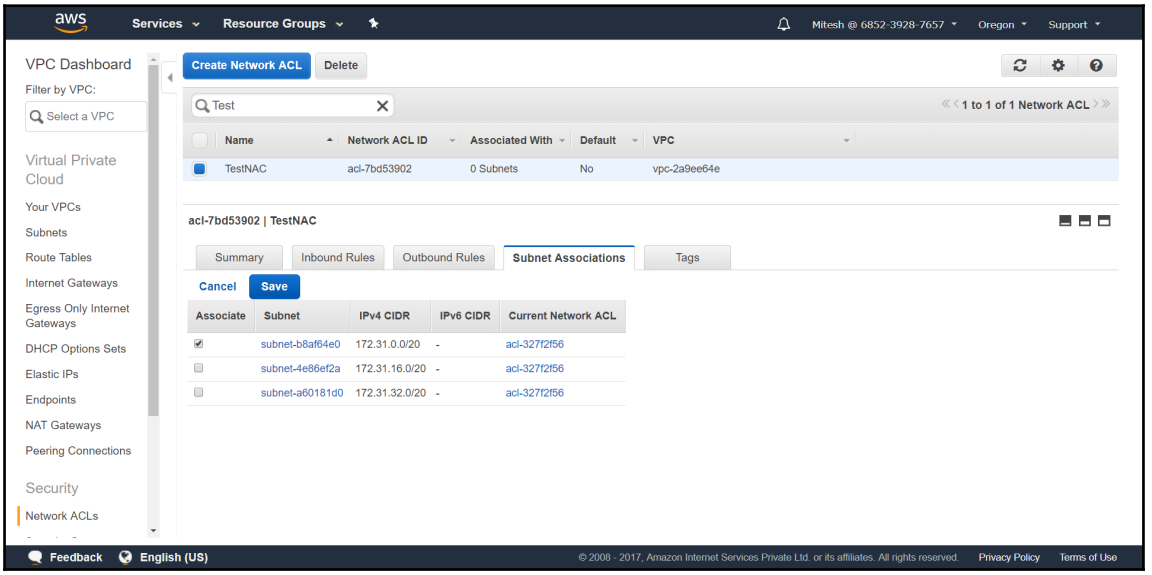
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
0 Subnets
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Cancel
Save
Associate
Subnet
IPv4 CIDR
IPv6 CIDR
Current Network ACL
subnet-b8af64e0
172.31.0.0/20
-
acl-327f2f56
subnet-4e86ef2a
172.31.16.0/20
-
acl-327f2f56
subnet-a60181d0
172.31.32.0/20
-
acl-327f2f56
Feedback
English (US)
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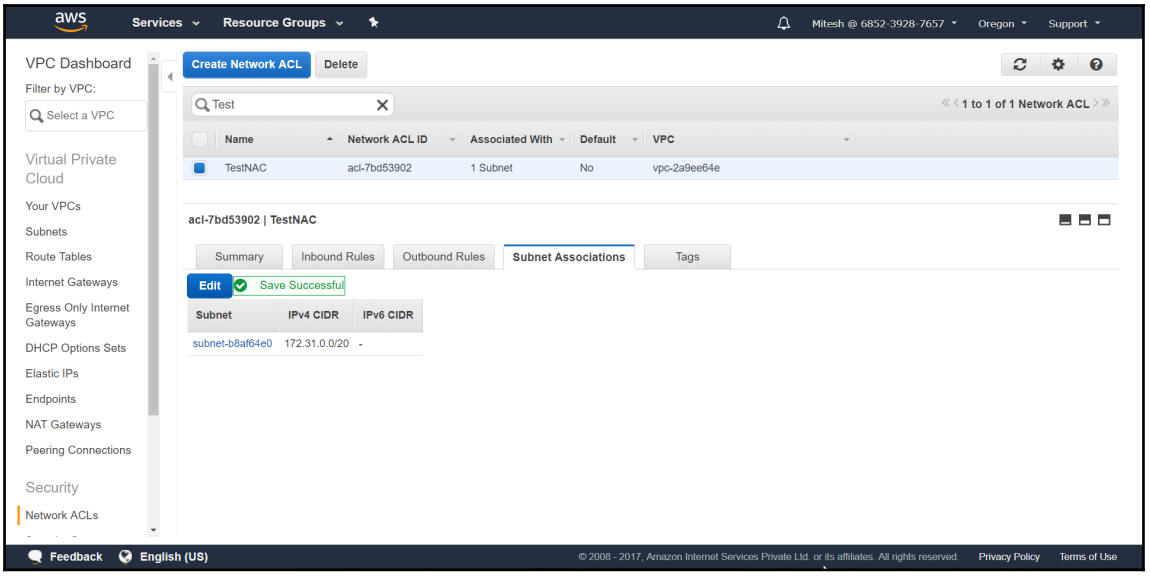
aws
Services
Resource Groups
Mitesh @ 6852-3928-7657
Oregon
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Create Network ACL
Delete
Test
1 to 1 of 1 Network ACL
Name
Network ACL ID
Associated With
Default
VPC
TestNAC
acl-7bd53902
1 Subnet
No
vpc-2a9ee64e
acl-7bd53902 | TestNAC
Summary
Inbound Rules
Outbound Rules
Subnet Associations
Tags
Edit
Save Successful
Subnet
IPv4 CIDR
IPv6 CIDR
subnet-b8af64e0
172.31.0.0/20
-
Feedback
English (US)
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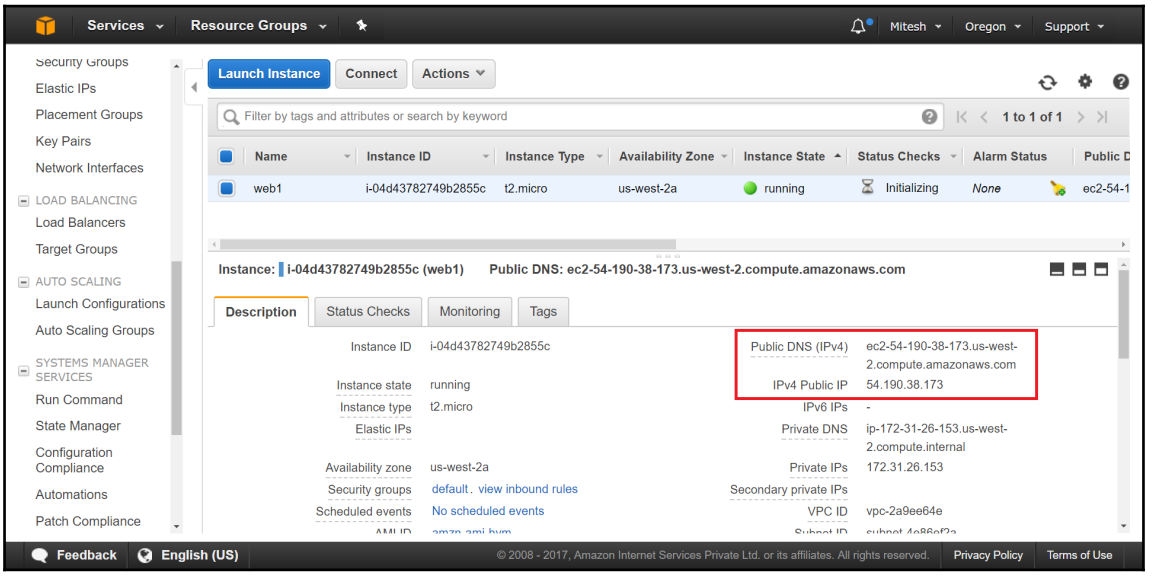
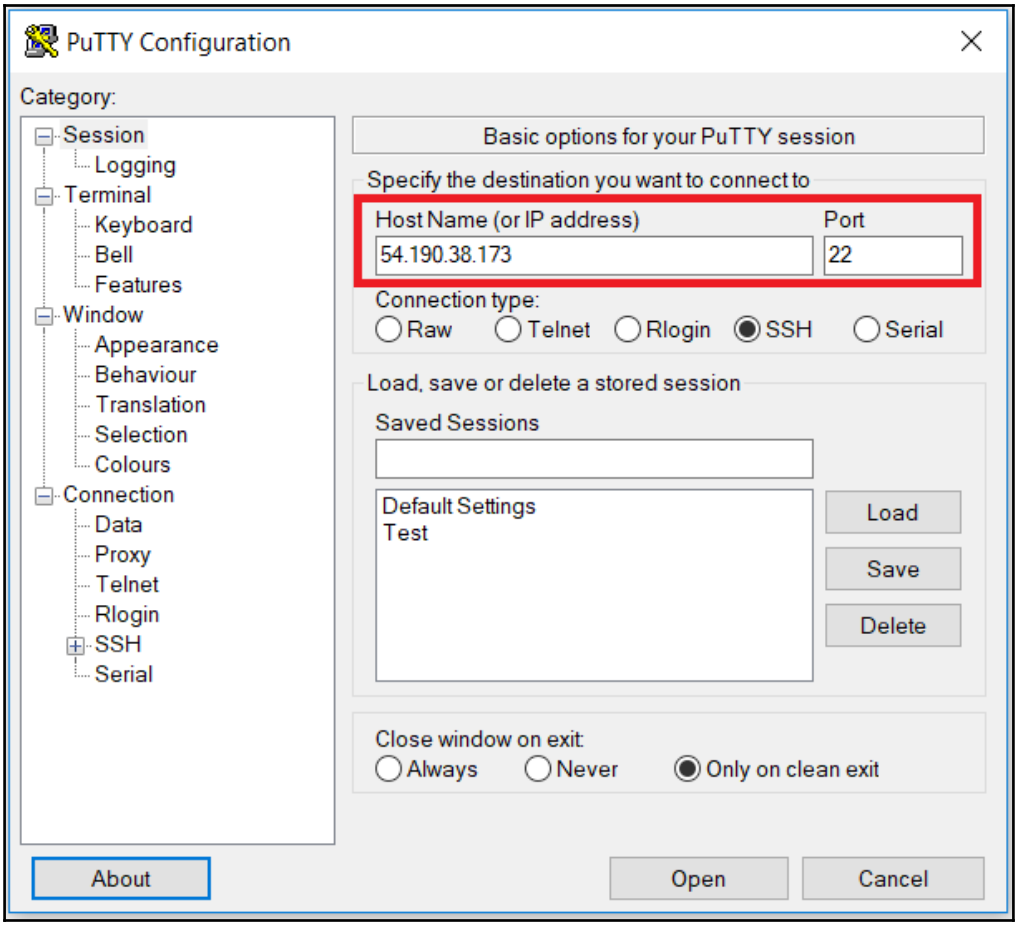
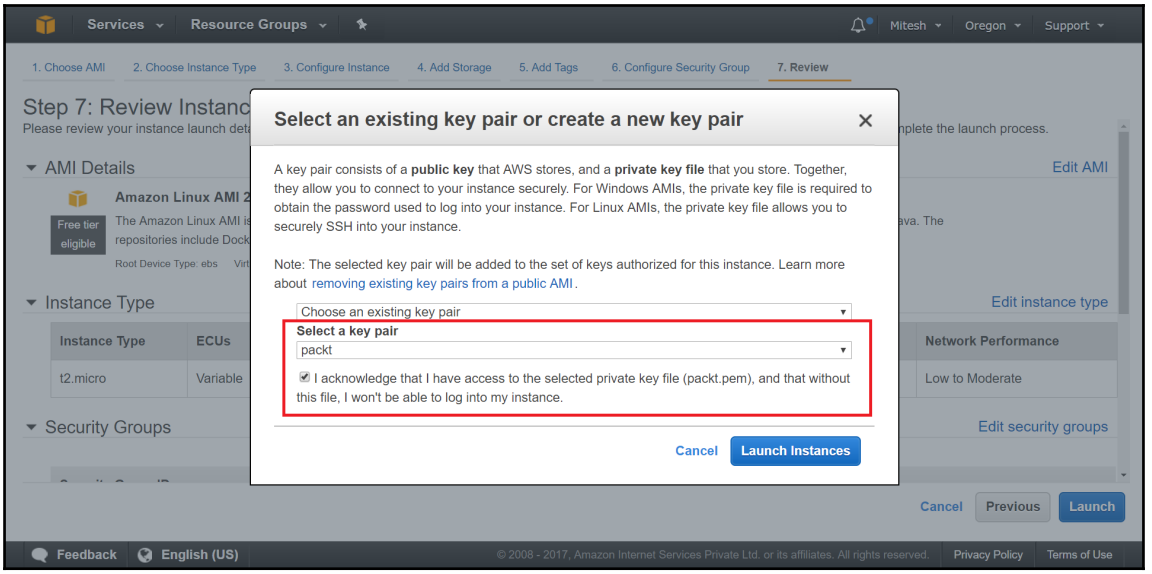
Chapter 8: Troubleshooting Tips




PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Serial
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
54.190.38.173
22
Connection type:
Raw
Telnet
Rlogin
SSH
Serial
Load, save or delete a stored session
Saved Sessions
Default Settings
Test
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Open
Cancel


Services
Resource Groups
Mitesh
Oregon
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instanc
Please review your instance launch deta
nplete the launch process.
AMI Details
Edit AMI
Amazon Linux AMI 2
Free tier eligible
The Amazon Linux AMI is
repositories include Dock
ava. The
Root Device Type: ebs
Instance Type
Edit instance type
Instance Type
ECUs
Network Performance
t2.micro
Variable
Low to Moderate
Security Groups
Edit security groups
Cancel
Previous
Launch
Feedback
English (US)
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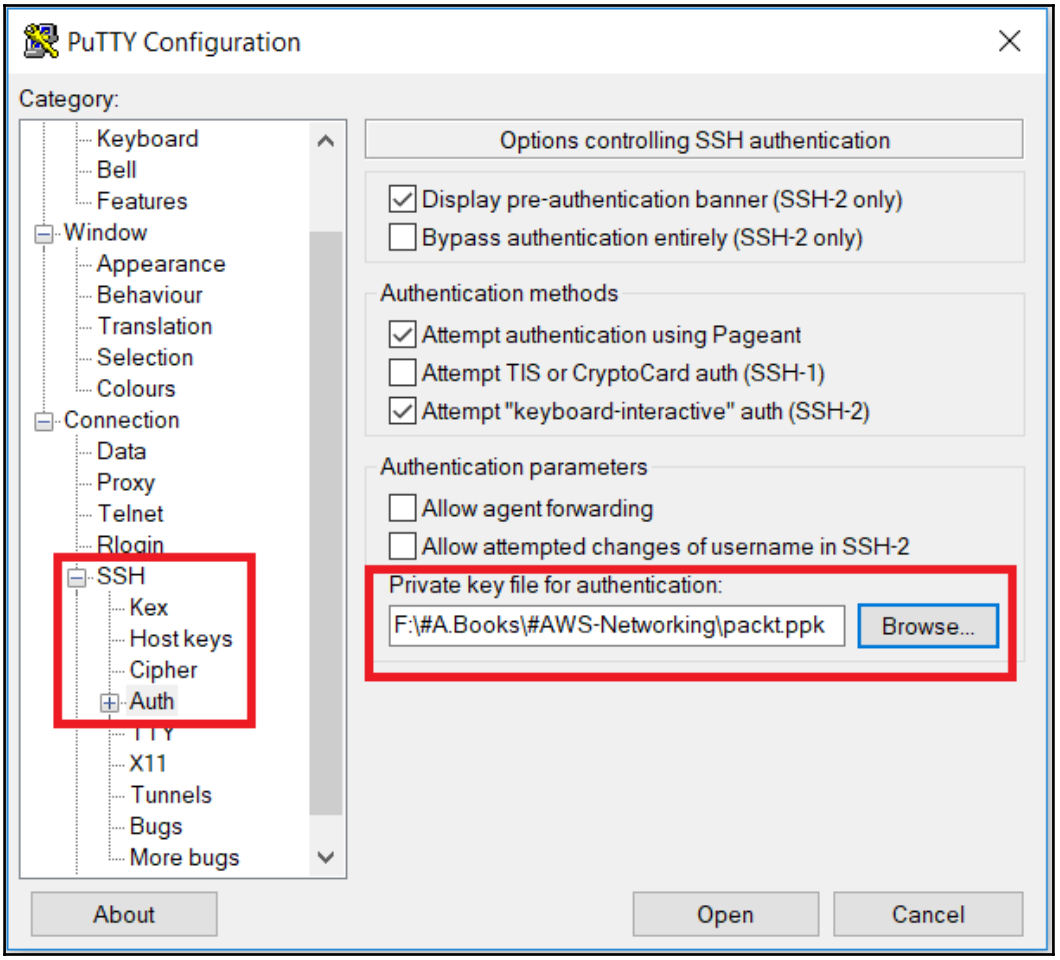
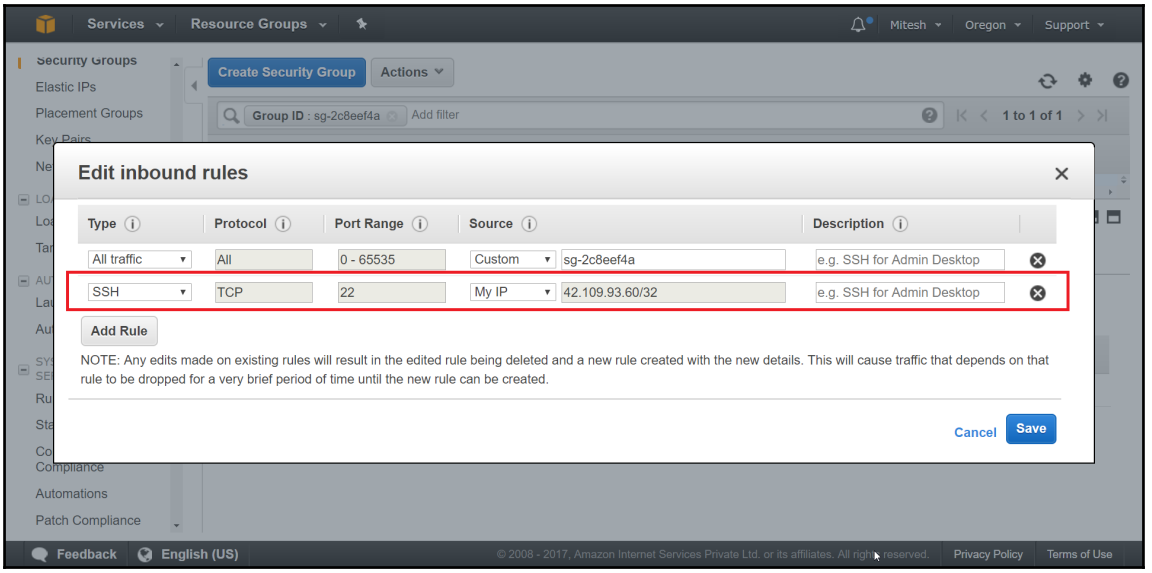
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Choose an existing key pair
Select a key pair
packt
I acknowledge that I have access to the selected private key file (packt.pem), and that without this file, I won't be able to log into my instance.
Cancel
Launch Instances


PuTTY Configuration
Category:
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Kex
Host keys
Cipher
Auth
TTY
X11
Tunnels
Bugs
More bugs
Options controlling SSH authentication
Display pre-authentication banner (SSH-2 only)
Bypass authentication entirely (SSH-2 only)
Authentication methods
Attempt authentication using Pageant
Attempt TIS or CryptoCard auth (SSH-1)
Attempt "keyboard-interactive" auth (SSH-2)
Authentication parameters
Allow agent forwarding
Allow attempted changes of username in SSH-2
Private key file for authentication:
F:\#A.Books\#AWS-Networking\packt.ppk
Browse...
About
Open
Cancel


Services
Resource Groups
Mitesh
Oregon
Support
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Elastic IPs
Placement Groups
Automations
Patch Compliance
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Feedback
English (US)
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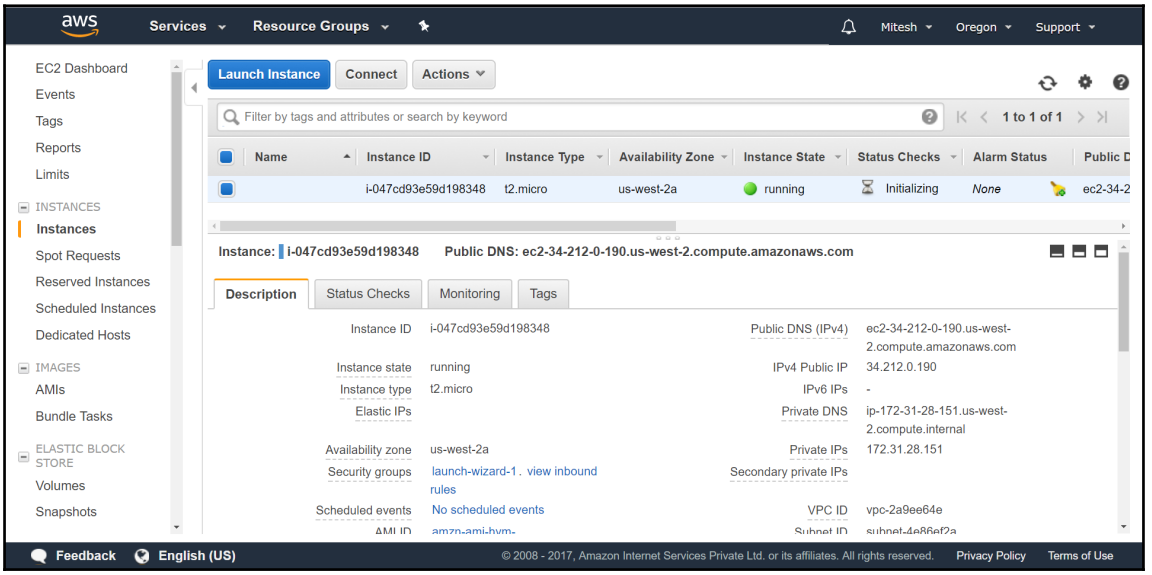
aws
Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
i-047cd93e59d198348
t2.micro
us-west-2a
running
Initializing
None
Instance: i-047cd93e59d198348
Public DNS: ec2-34-212-0-190.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-047cd93e59d198348
Instance state
running
Instance type
t2.micro
Elastic IPs
Availability zone
us-west-2a
Security groups
launch-wizard-1. view inbound rules
Scheduled events
No scheduled events
Public DNS (IPv4)
ec2-34-212-0-190.us-west-2.compute.amazonaws.com
IPv4 Public IP
34.212.0.190
IPv6 IPs
Private DNS
ip-172-31-28-151.us-west-2.compute.internal
Private IPs
172.31.28.151
Secondary private IPs
VPC ID
vpc-2a9ee64e
Feedback
English (US)
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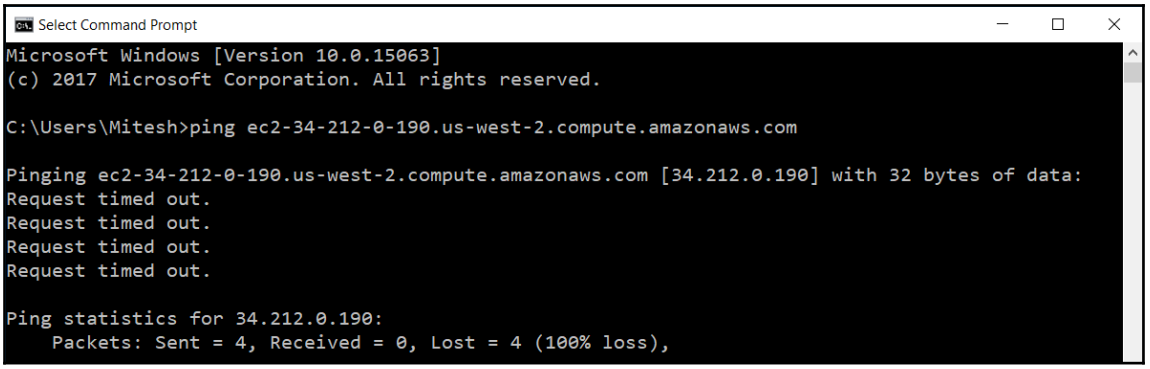
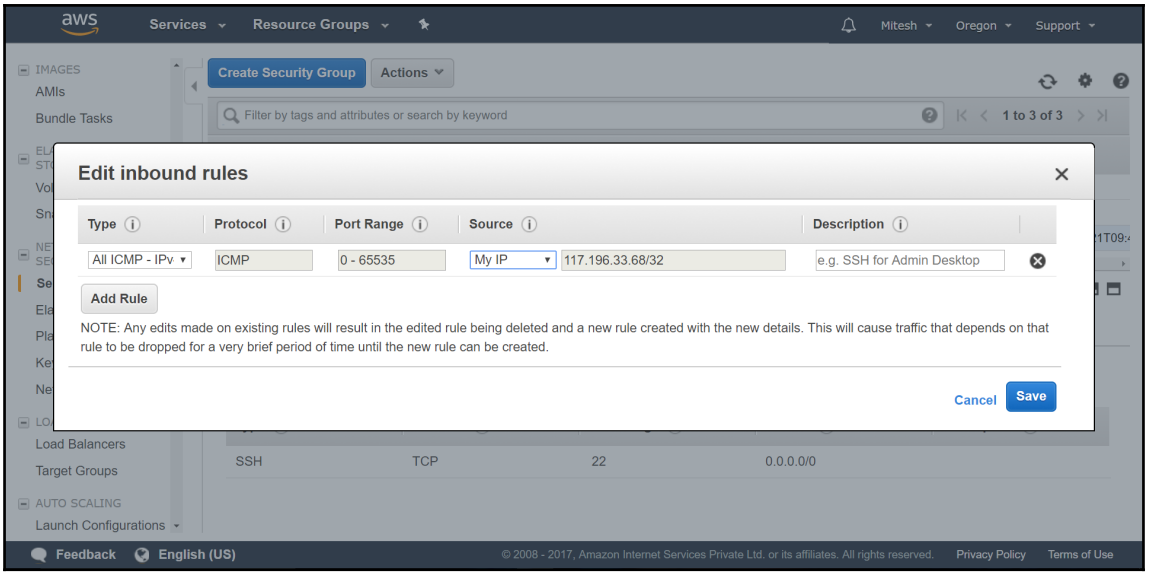

Select Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.
C:\Users\Mitesh>ping ec2-34-212-0-190.us-west-2.compute.amazonaws.com
Pinging ec2-34-212-0-190.us-west-2.compute.amazonaws.com [34.212.0.190] with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 34.212.0.190:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),


aws
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
Create Security Group
Actions
Filter by tags and attributes or search by keyword
1 to 3 of 3
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All ICMP - IPv
ICMP
0 - 65535
My IP
117.196.33.68/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
SSH
TCP
22
0.0.0.0/0
Feedback
English (US)
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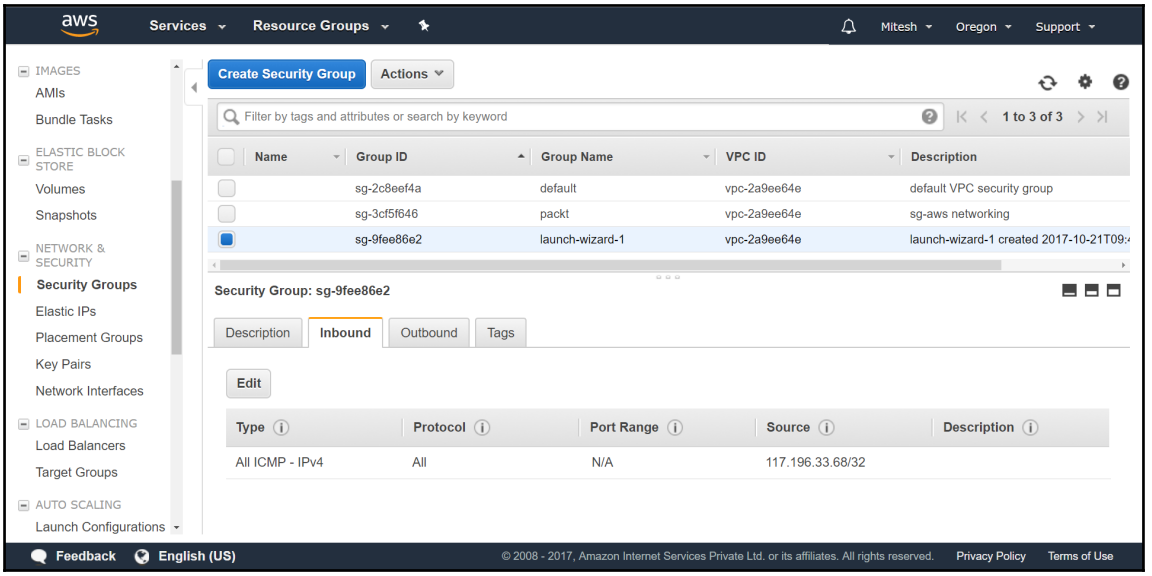
aws
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Create Security Group
Actions
Filter by tags and attributes or search by keyword
1 to 3 of 3
Name
Group ID
Group Name
VPC ID
Description
sg-2c8eef4a
default
vpc-2a9ee64e
default VPC security group
sg-3cf5f646
packt
vpc-2a9ee64e
sg-aws networking
sg-9fee86e2
launch-wizard-1
vpc-2a9ee64e
launch-wizard-1 created 2017-10-21T09:
Security Group: sg-9fee86e2
Description
Inbound
Outbound
Tags
Edit
Type
Protocol
Port Range
Source
Description
All ICMP - IPv4
All
N/A
117.196.33.68/32
Feedback
English (US)
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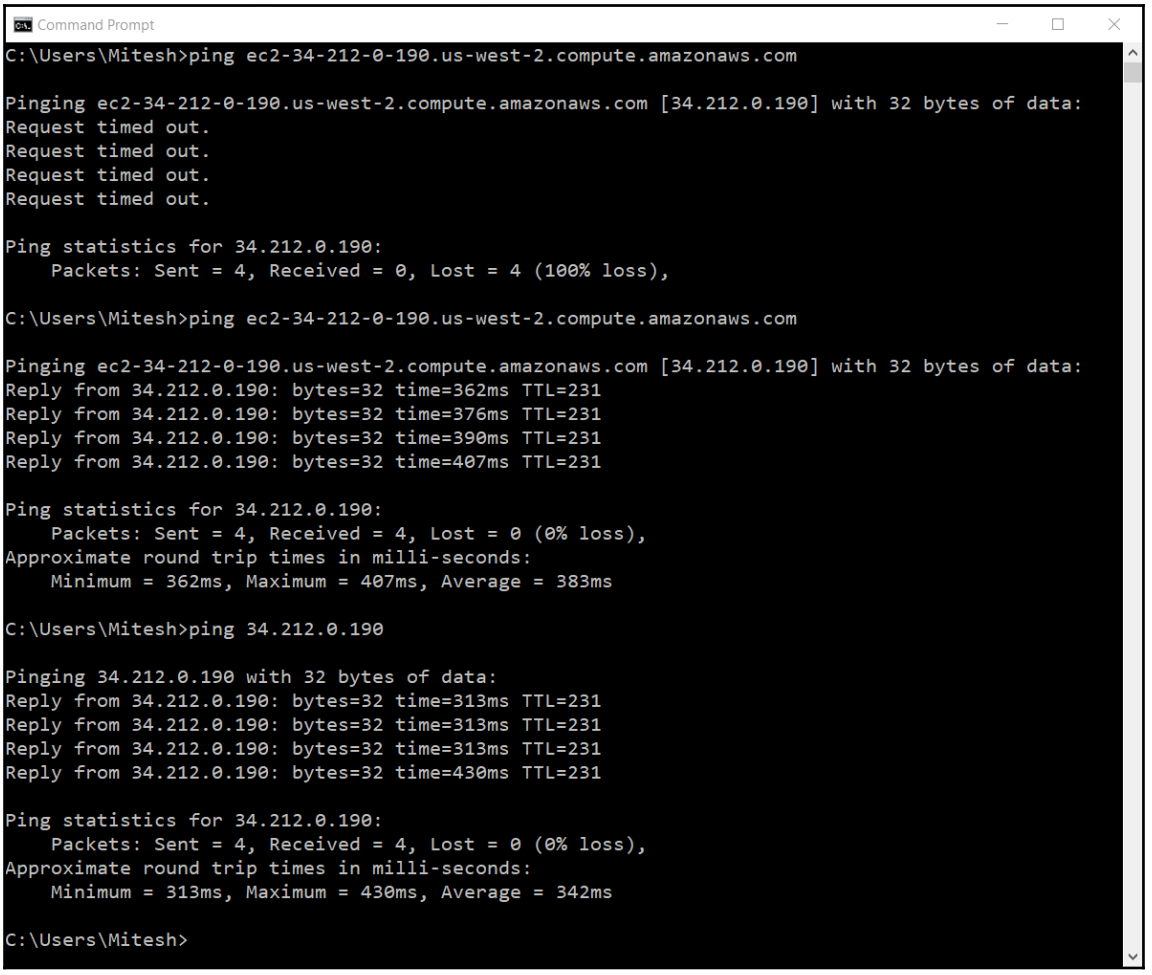
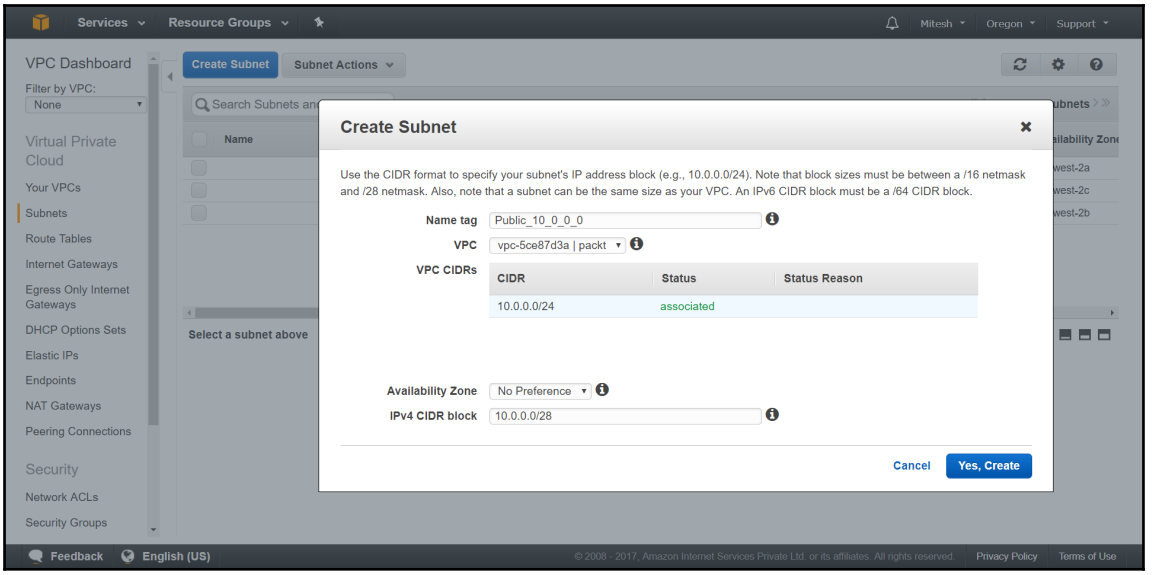

Command Prompt
C:\Users\Mitesh>ping ec2-34-212-0-190.us-west-2.compute.amazonaws.com
Pinging ec2-34-212-0-190.us-west-2.compute.amazonaws.com [34.212.0.190] with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 34.212.0.190:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Mitesh>ping ec2-34-212-0-190.us-west-2.compute.amazonaws.com
Pinging ec2-34-212-0-190.us-west-2.compute.amazonaws.com [34.212.0.190] with 32 bytes of data:
Reply from 34.212.0.190: bytes=32 time=362ms TTL=231
Reply from 34.212.0.190: bytes=32 time=376ms TTL=231
Reply from 34.212.0.190: bytes=32 time=390ms TTL=231
Reply from 34.212.0.190: bytes=32 time=407ms TTL=231
Ping statistics for 34.212.0.190:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 362ms, Maximum = 407ms, Average = 383ms
C:\Users\Mitesh>ping 34.212.0.190
Pinging 34.212.0.190 with 32 bytes of data:
Reply from 34.212.0.190: bytes=32 time=313ms TTL=231
Reply from 34.212.0.190: bytes=32 time=313ms TTL=231
Reply from 34.212.0.190: bytes=32 time=313ms TTL=231
Reply from 34.212.0.190: bytes=32 time=430ms TTL=231
Ping statistics for 34.212.0.190:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 313ms, Maximum = 430ms, Average = 342ms
C:\Users\Mitesh>


Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and
Name
Select a subnet above
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Public_10_0_0_0
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
No Preference
IPv4 CIDR block
10.0.0.0/28
Cancel
Yes, Create
Feedback
English (US)
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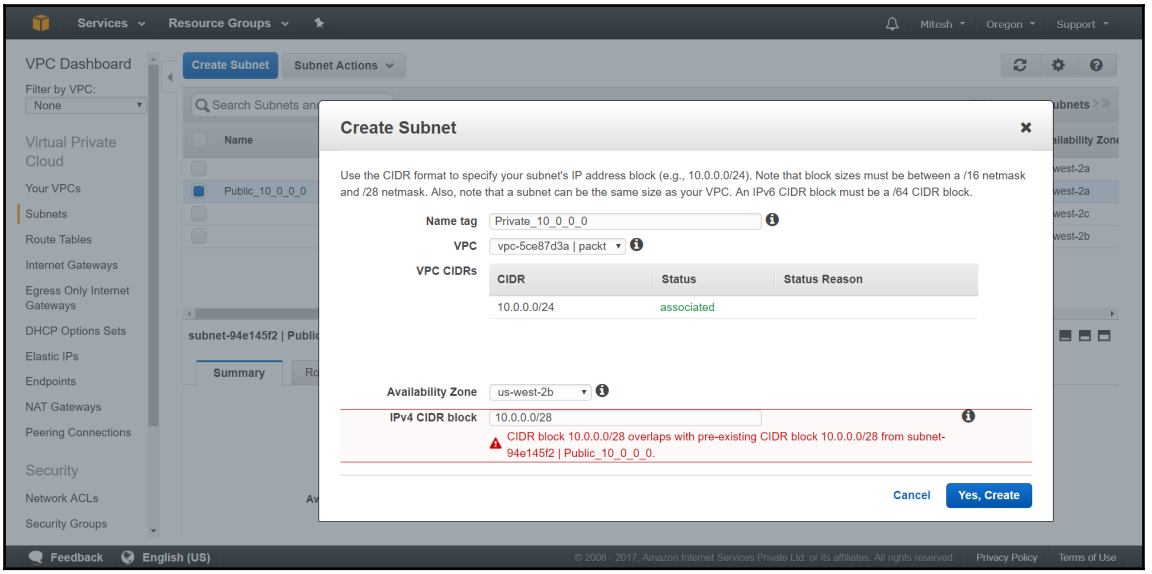
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and
Name
Public_10_0_0_0
subnet-94e145f2 | Public
Summary
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private_10_0_0_0
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2b
IPv4 CIDR block
10.0.0.0/28
CIDR block 10.0.0.0/28 overlaps with pre-existing CIDR block 10.0.0.0/28 from subnet-94e145f2 | Public_10_0_0_0.
Cancel
Yes, Create
Feedback
English (US)
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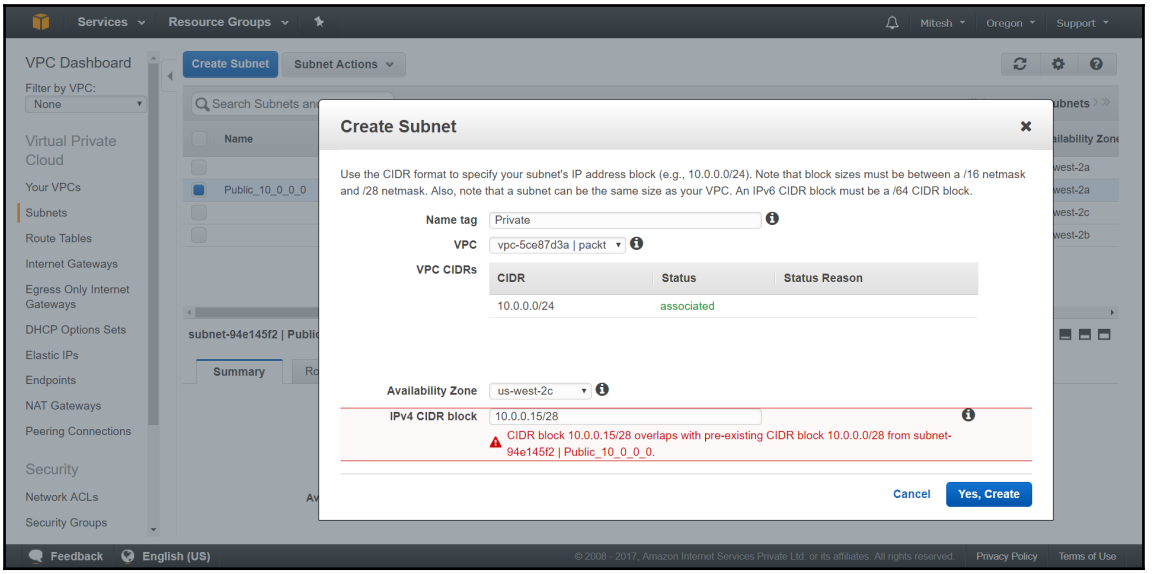
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and
Name
Public_10_0_0_0
subnet-94e145f2 | Public
Summary
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2c
IPv4 CIDR block
10.0.0.15/28
CIDR block 10.0.0.15/28 overlaps with pre-existing CIDR block 10.0.0.0/28 from subnet-94e145f2 | Public_10_0_0_0.
Cancel
Yes, Create
Feedback
English (US)
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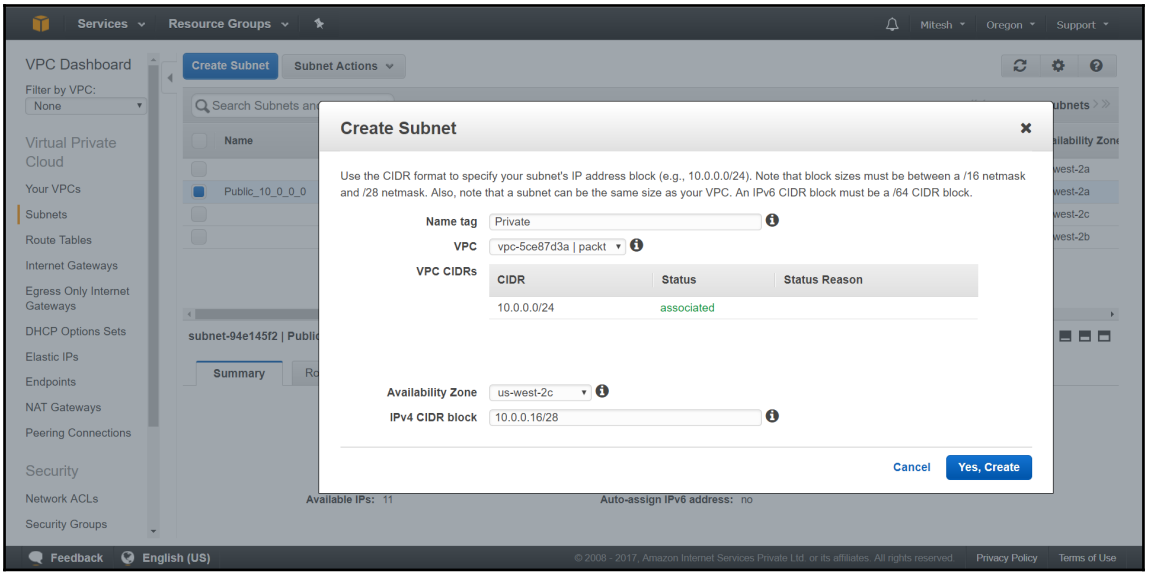
Services
Resource Groups
Mitesh
Oregon
Support
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Security Groups
Create Subnet
Subnet Actions
Search Subnets and
Name
Public_10_0_0_0
subnet-94e145f2 | Public
Summary
Create Subnet
Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private
VPC
vpc-5ce87d3a | packt
VPC CIDRs
CIDR
Status
Status Reason
10.0.0.0/24
associated
Availability Zone
us-west-2c
IPv4 CIDR block
10.0.0.16/28
Cancel
Yes, Create
Available IPs: 11
Auto-assign IPv6 address: no
Feedback
English (US)
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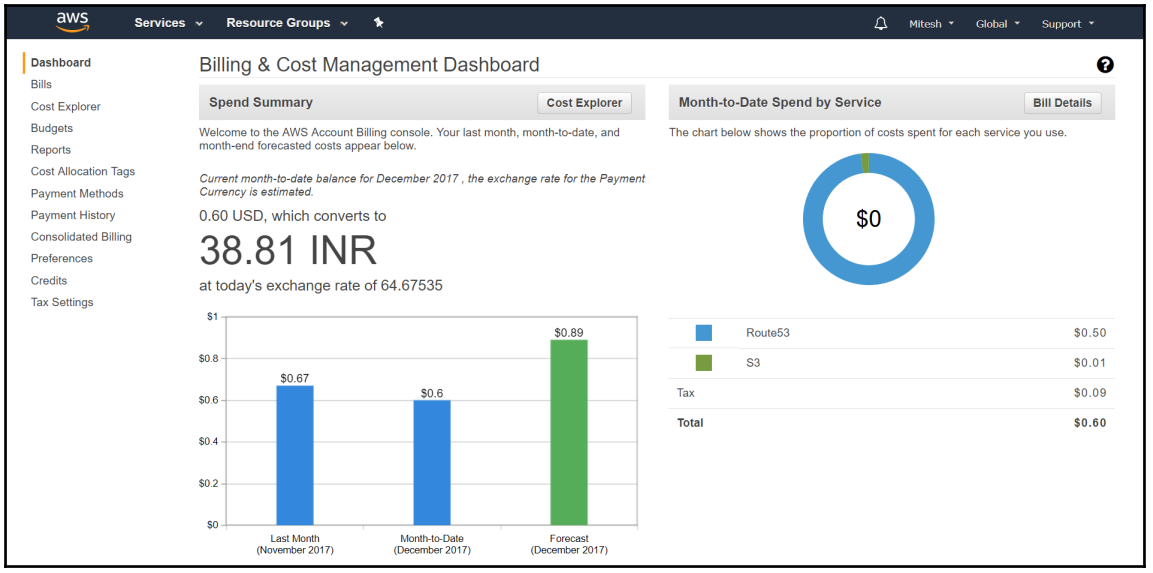
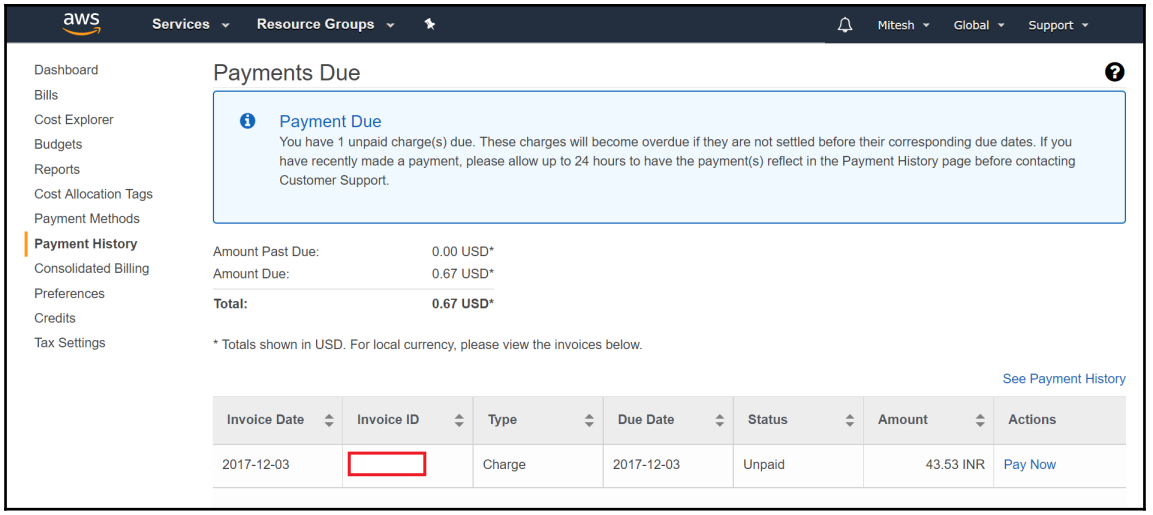
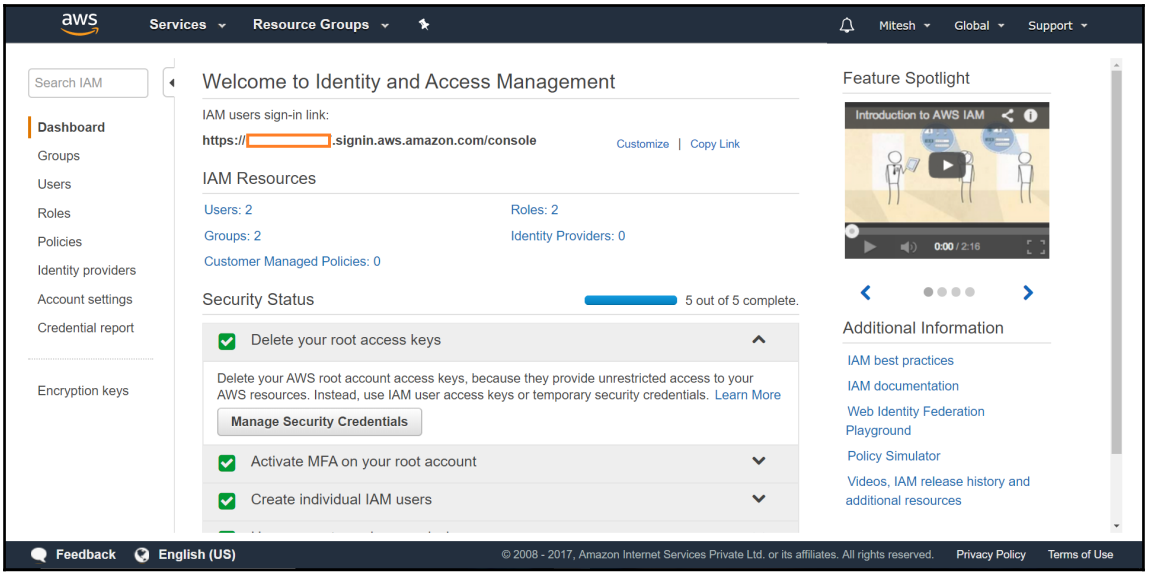
CIDR Block	IP Range	Subnet Mask	IP Quantity
10.0.0.0/32	10.0.0.0 - 10.0.0.0	255.255.255.255	1
10.0.0.0/31	10.0.0.0 - 10.0.0.1	255.255.255.254	2
10.0.0.0/30	10.0.0.0 - 10.0.0.3	255.255.255.252	4
10.0.0.0/29	10.0.0.0 - 10.0.0.7	255.255.255.248	8
10.0.0.0/28	10.0.0.0 - 10.0.0.15	255.255.255.240	16
10.0.0.0/27	10.0.0.0 - 10.0.0.31	255.255.255.224	32
10.0.0.0/26	10.0.0.0 - 10.0.0.63	255.255.255.192	64
10.0.0.0/25	10.0.0.0 - 10.0.0.127	255.255.255.128	128
10.0.0.0/24	10.0.0.0 - 10.0.0.255	255.255.255.0	256


aws
Services
Resource Groups
Mitesh
Global
Support
Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
Billing & Cost Management Dashboard
Spend Summary
Cost Explorer
Welcome to the AWS Account Billing console. Your last month, month-to-date, and month-end forecasted costs appear below.
Current month-to-date balance for December 2017 , the exchange rate for the Payment Currency is estimated.
0.60 USD, which converts to
38.81 INR
at today's exchange rate of 64.67535
$1
$0.8
$0.6
$0.4
$0.2
$0
$0.67
$0.6
$0.89
Last Month (November 2017)
Month-to-Date (December 2017)
Forecast (December 2017)
Month-to-Date Spend by Service
Bill Details
The chart below shows the proportion of costs spent for each service you use.
$0
Route53 $0.50
S3 $0.01
Tax $0.09
Total $0.60


aws
Services
Resource Groups
Mitesh
Global
Support
Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
Payments Due
Payment Due
You have 1 unpaid charge(s) due. These charges will become overdue if they are not settled before their corresponding due dates. If you have recently made a payment, please allow up to 24 hours to have the payment(s) reflect in the Payment History page before contacting Customer Support.
Amount Past Due: 0.00 USD*
Amount Due: 0.67 USD*
Total: 0.67 USD*
* Totals shown in USD. For local currency, please view the invoices below.
See Payment History
Invoice Date
Invoice ID
Type
Due Date
Status
Amount
Actions
2017-12-03
Charge
2017-12-03
Unpaid
43.53 INR
Pay Now


aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Welcome to Identity and Access Management
IAM users sign-in link:
https://[redacted].signin.aws.amazon.com/console
Customize | Copy Link
IAM Resources
Users: 2
Roles: 2
Groups: 2
Identity Providers: 0
Customer Managed Policies: 0
Security Status
5 out of 5 complete.
Delete your root access keys
Delete your AWS root account access keys, because they provide unrestricted access to your AWS resources. Instead, use IAM user access keys or temporary security credentials. Learn More
Manage Security Credentials
Activate MFA on your root account
Create individual IAM users
Feature Spotlight
Introduction to AWS IAM
0:00 / 2:16
Additional Information
IAM best practices
IAM documentation
Web Identity Federation Playground
Policy Simulator
Videos, IAM release history and additional resources
Feedback
English (US)
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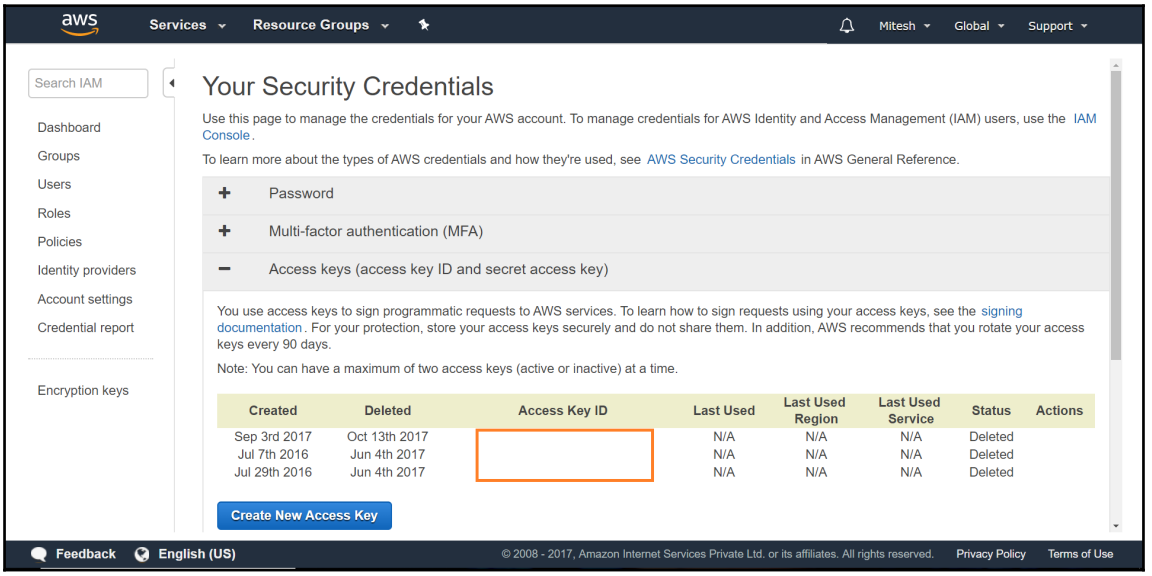
aws
Services
Resource Groups
Mitesh
Global
Support
Search IAM
Dashboard
Groups
Users
Roles
Policies
Identity providers
Account settings
Credential report
Encryption keys
Your Security Credentials
Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the IAM Console.
To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.
+ Password
+ Multi-factor authentication (MFA)
− Access keys (access key ID and secret access key)
You use access keys to sign programmatic requests to AWS services. To learn how to sign requests using your access keys, see the signing documentation. For your protection, store your access keys securely and do not share them. In addition, AWS recommends that you rotate your access keys every 90 days.
Note: You can have a maximum of two access keys (active or inactive) at a time.
Created
Deleted
Access Key ID
Last Used
Last Used Region
Last Used Service
Status
Actions
Sep 3rd 2017
Oct 13th 2017
N/A
N/A
N/A
Deleted
Jul 7th 2016
Jun 4th 2017
N/A
N/A
N/A
Deleted
Jul 29th 2016
Jun 4th 2017
N/A
N/A
N/A
Deleted
Create New Access Key
Feedback
English (US)
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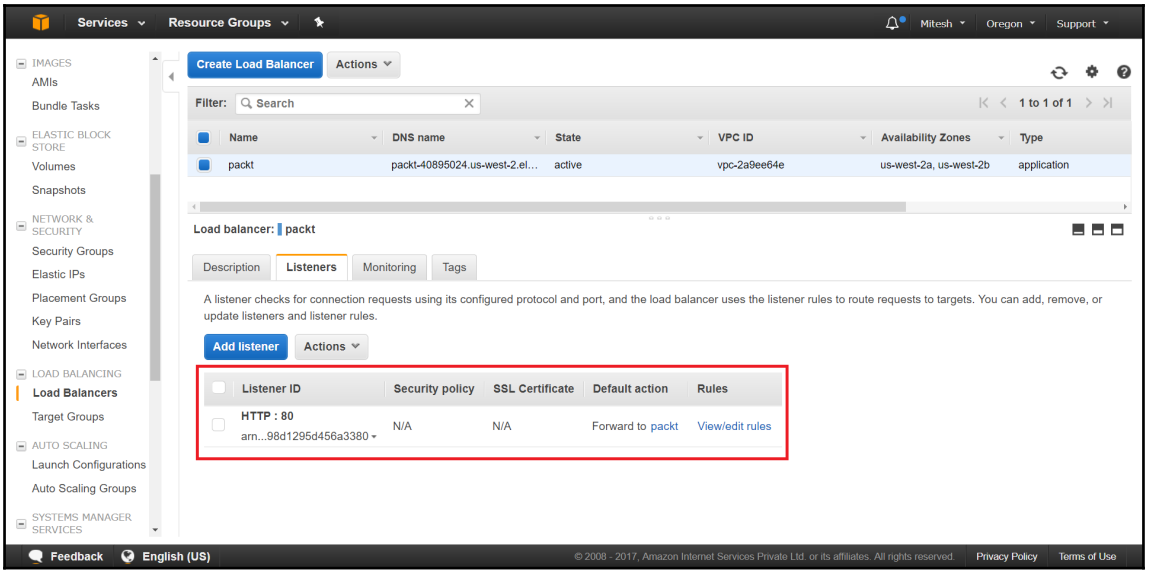
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create Load Balancer
Actions
Filter:
Search
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
packt
packt-40895024.us-west-2.el...
active
vpc-2a9ee64e
us-west-2a, us-west-2b
application
Load balancer: packt
Description
Listeners
Monitoring
Tags
A listener checks for connection requests using its configured protocol and port, and the load balancer uses the listener rules to route requests to targets. You can add, remove, or update listeners and listener rules.
Add listener
Actions
Listener ID
Security policy
SSL Certificate
Default action
Rules
HTTP : 80
arn...98d1295d456a3380
N/A
N/A
Forward to packt
View/edit rules
Feedback
English (US)
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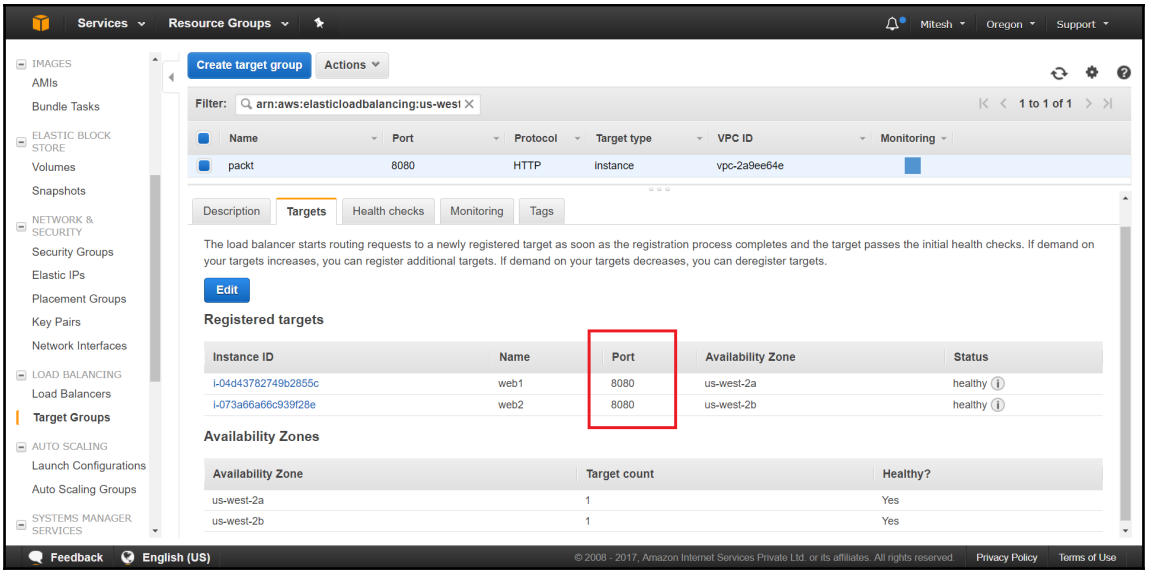
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create target group
Actions
Filter:
arn:aws:elasticloadbalancing:us-west
1 to 1 of 1
Name
Port
Protocol
Target type
VPC ID
Monitoring
packt
8080
HTTP
instance
vpc-2a9ee64e
Description
Targets
Health checks
Monitoring
Tags
The load balancer starts routing requests to a newly registered target as soon as the registration process completes and the target passes the initial health checks. If demand on your targets increases, you can register additional targets. If demand on your targets decreases, you can deregister targets.
Edit
Registered targets
Instance ID
Name
Port
Availability Zone
Status
i-04d43782749b2855c
web1
8080
us-west-2a
healthy
i-073a66a66c939f28e
web2
8080
us-west-2b
healthy
Availability Zones
Availability Zone
Target count
Healthy?
us-west-2a
1
Yes
us-west-2b
1
Yes
Feedback
English (US)
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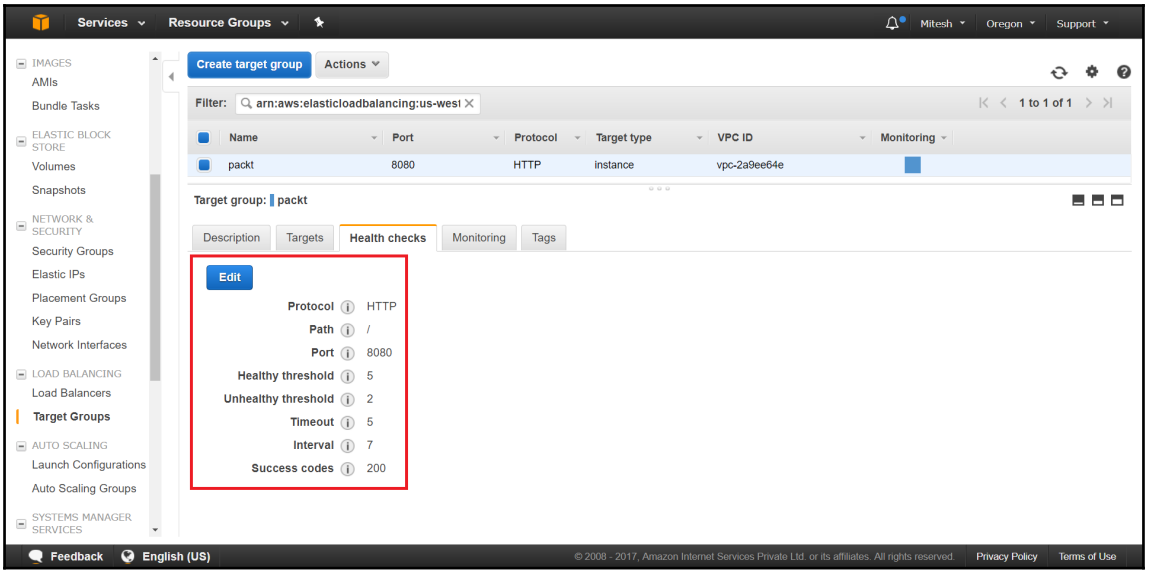
Services
Resource Groups
Mitesh
Oregon
Support
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create target group
Actions
Filter:
arn:aws:elasticloadbalancing:us-west
1 to 1 of 1
Name
Port
Protocol
Target type
VPC ID
Monitoring
packt
8080
HTTP
instance
vpc-2a9ee64e
Target group: packt
Description
Targets
Health checks
Monitoring
Tags
Edit
Protocol HTTP
Path /
Port 8080
Healthy threshold 5
Unhealthy threshold 2
Timeout 5
Interval 7
Success codes 200
Feedback
English (US)
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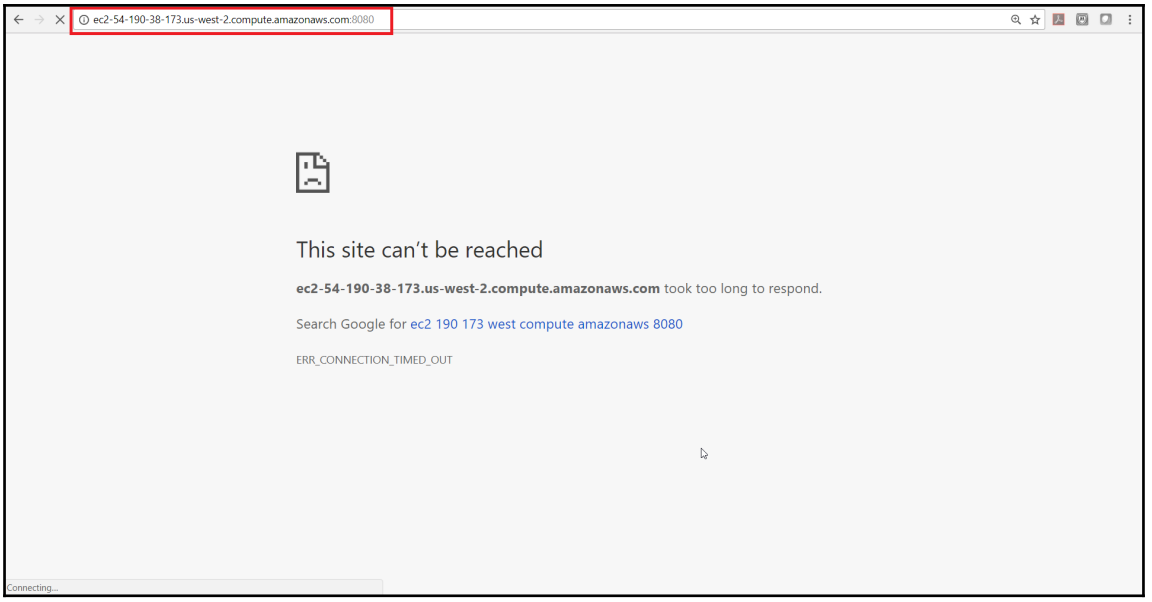
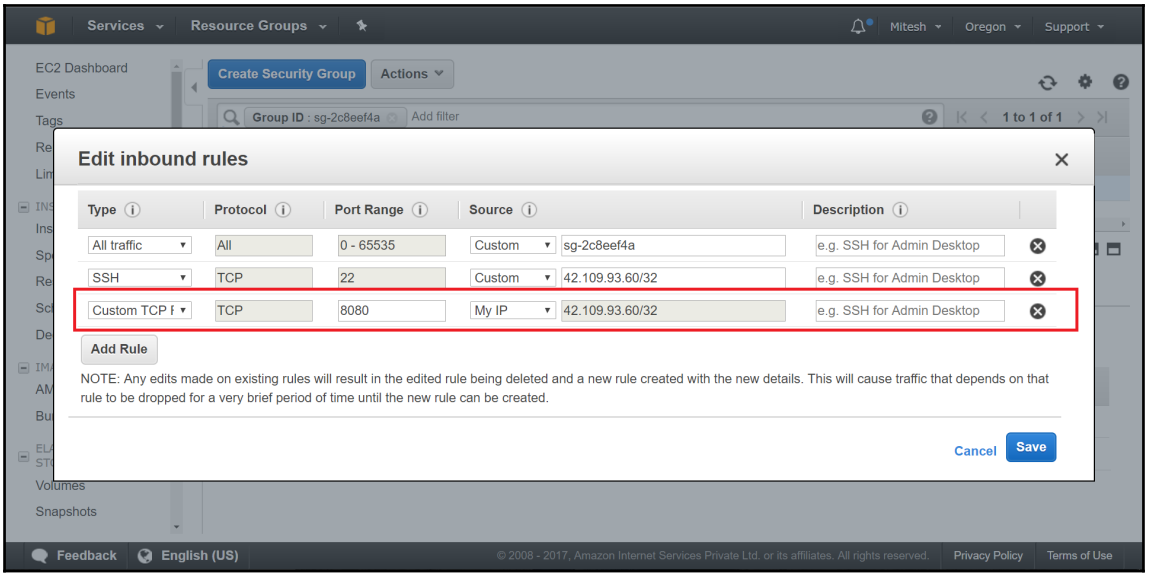

ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080
This site can't be reached
ec2-54-190-38-173.us-west-2.compute.amazonaws.com took too long to respond.
Search Google for ec2 190 173 west compute amazonaws 8080
ERR_CONNECTION_TIMED_OUT
Connecting...


Services
Resource Groups
Mitesh
Oregon
Support
EC2 Dashboard
Events
Tags
Create Security Group
Actions
Group ID : sg-2c8eef4a
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Custom
sg-2c8eef4a
e.g. SSH for Admin Desktop
SSH
TCP
22
Custom
42.109.93.60/32
e.g. SSH for Admin Desktop
Custom TCP R
TCP
8080
My IP
42.109.93.60/32
e.g. SSH for Admin Desktop
Add Rule
NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.
Cancel
Save
Volumes
Snapshots
Feedback
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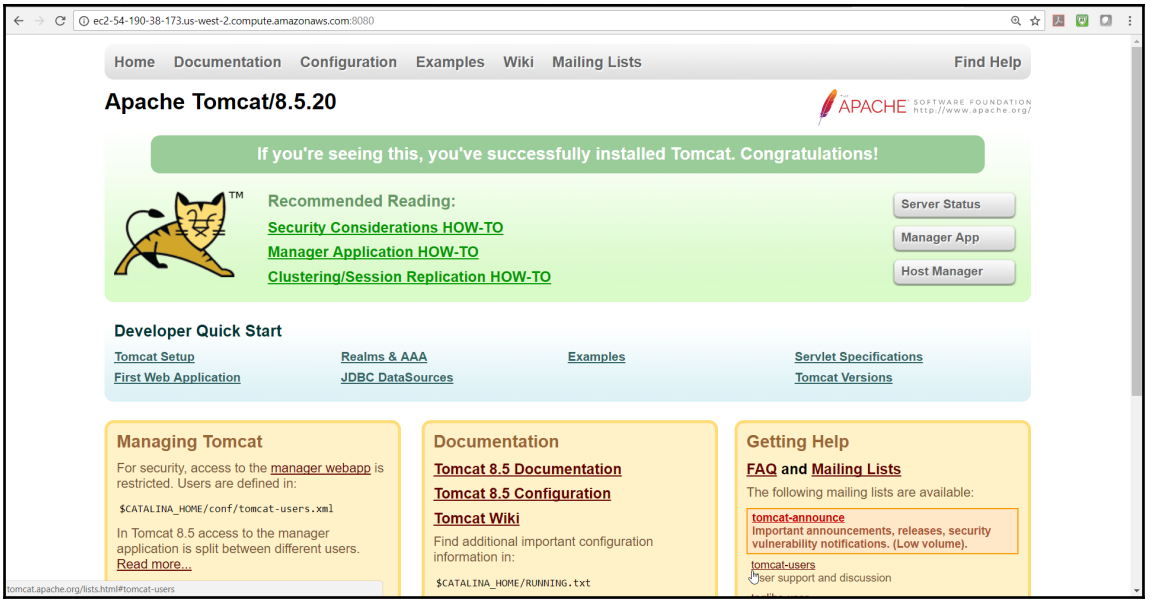
ec2-54-190-38-173.us-west-2.compute.amazonaws.com:8080
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.5.20
APACHE SOFTWARE FOUNDATION http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.5 access to the manager application is split between different users.
Read more...
Documentation
Tomcat 8.5 Documentation
Tomcat 8.5 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
tomcat.apache.org/lists.html#tomcat-users