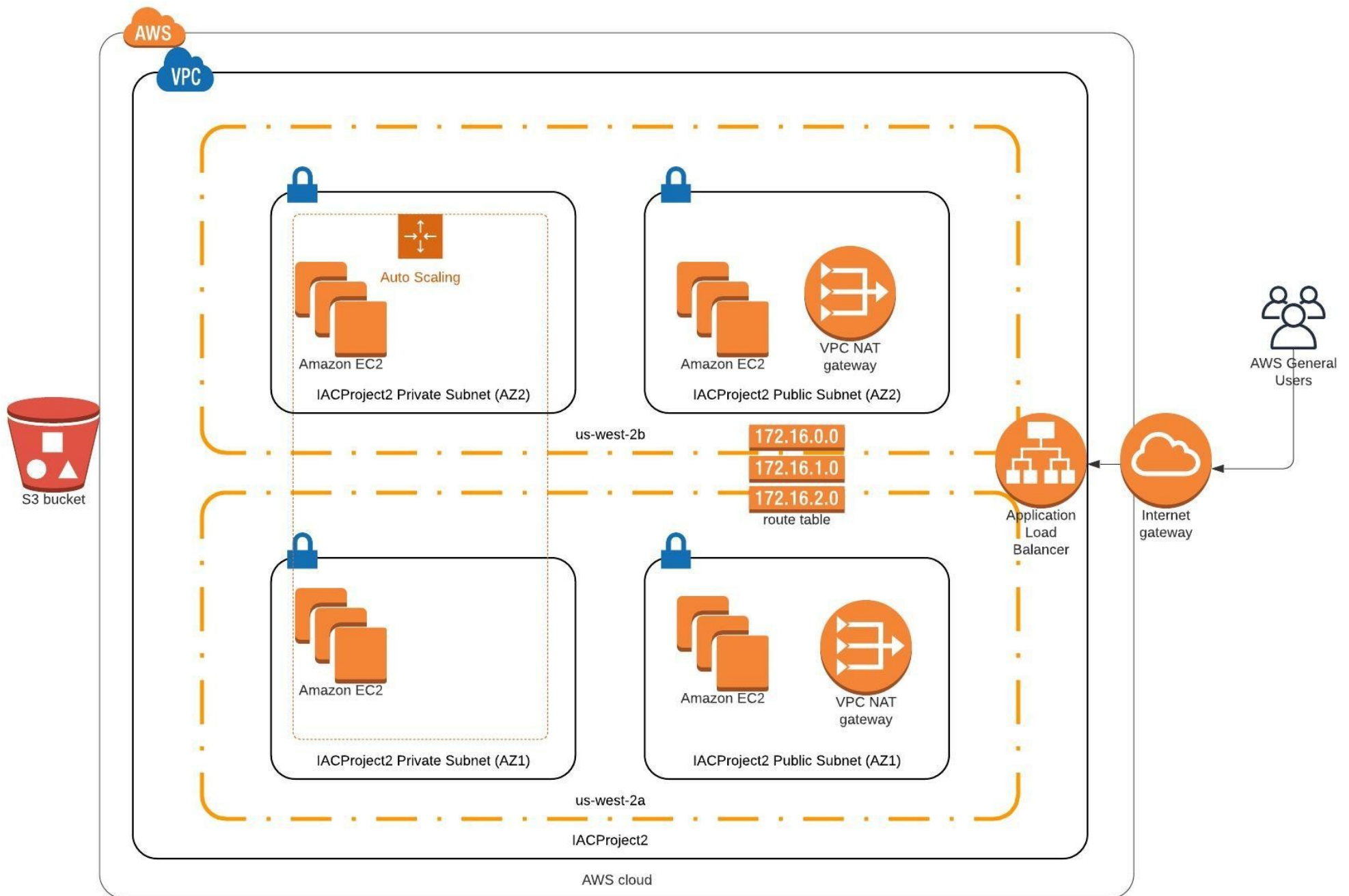


PROJECT 2 SUBMISSION
DEPLOYING A HIGH AVAILABILITY WEB APP USING CLOUDFORMATION IN AWS

SUBMITTED ON 27th MAY, 2020
By: SHREE IYER

NETWORK ARCHITECTURE MAP



S3 BUCKET CREATED AND FILES AND FOLDERS UPLOADED TO S3 BUCKET

shree-demo

Overview

Properties

Permissions

Management

Access points

Q

Type a prefix and press Enter to search. Press ESC to clear.

Upload




Create folder

Download

Actions

US West (Oregon)

Viewing 1 to 3

<input type="checkbox"/>	Name ▾	Last modified ▾	Size ▾	Storage class ▾
<input type="checkbox"/>	 assets	--	--	--
<input type="checkbox"/>	 index.html	May 26, 2020 11:10:18 PM GMT-0400	4.0 KB	Standard
<input type="checkbox"/>	 project.mobirise	May 26, 2020 11:10:19 PM GMT-0400	23.4 KB	Standard

S3 BUCKET PERMISSIONS – BUCKET POLICY

The screenshot shows the AWS S3 console interface for the 'shree-demo' bucket. The breadcrumb navigation is 'Amazon S3 > shree-demo'. The main tabs are 'Overview', 'Properties', 'Permissions' (selected), 'Management', and 'Access points'. Under the 'Permissions' tab, there are four buttons: 'Block public access', 'Access Control List', 'Bucket Policy' (selected), and 'CORS configuration'. The 'Bucket Policy' button has a 'Public' label. Below these buttons, the 'Bucket policy editor' is displayed with the ARN 'arn:aws:s3:::shree-demo'. A text prompt says 'Type to add a new policy or edit an existing policy in the text area below.' To the right of the text area are 'Delete', 'Cancel', and 'Save' buttons. The text area contains a JSON policy document with line numbers 1 through 12 on the left margin.

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "AddPerm",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3:::shree-demo/*"
10    }
11  ]
12 }
```

S3 BUCKET PROPERTIES – STATIC WEB HOSTING

← → ↻ s3.console.aws.amazon.com/s3/buckets/shree-demo/?region=us-west-2&tab=properties ☆ S

aws Services ▾ Resource Groups ▾

shreeni123 ▾ Global ▾ Support ▾

Static website hosting

Endpoint : <http://shree-demo.s3-website-us-west-2.amazonaws.com>

☒ Use this bucket to host a website [Learn more](#)

Index document ⓘ

Error document ⓘ

Redirection rules (optional) ⓘ

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

☒ Bucket hosting

[Cancel](#) [Save](#)

Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

[Learn more](#)

☐ Disabled

S3 BUCKET HOME PAGE (SHOWING PUBLIC ACCESS APPLIED)

The screenshot shows the AWS S3 console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'shreeni123'. A message banner states: 'We've temporarily re-enabled the previous version of the S3 console while we continue to improve the new S3 console experience. [Switch to the new console.](#)'

The left sidebar contains the following links: Amazon S3, Buckets (selected), Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight.

The main content area is titled 'S3 buckets' and includes a search bar with 'DEMO' and a dropdown for 'All access types'. Below this are buttons for '+ Create bucket', 'Edit public access settings', 'Empty', and 'Delete'. Summary statistics show '1 Buckets' and '1 Regions'.

<input type="checkbox"/>	Bucket name ▼	Access ⓘ ▼	Region ▼	Date created ▼
<input type="checkbox"/>	shree-demo	Public	US West (Oregon)	May 26, 2020 1:56:46 PM GMT-0400

CLOUDFRONT CONFIGURATION TO RETRIEVE AND DISTRIBUTE WEBSITE FILES

← → ↻ console.aws.amazon.com/cloudfront/home?region=us-east-1#distributions: ☆ S

aws Services ▾ Resource Groups ▾ ⭐

shreeni123 ▾ Global ▾ Support ▾

CloudFront

Distributions

What's new ✨

▼ Reports & analytics

Cache statistics

Monitoring

Alarms

Popular objects

Top referrers

Usage

Viewers

▼ Security

Origin access identity

Public key

Field-level encryption

Best practices to optimize Lambda@Edge with CloudFront. [Learn more](#) ✕

CloudFront Distributions

[Create Distribution](#) [Distribution Settings](#) [Delete](#) [Enable](#) [Disable](#) [Refresh](#) [Settings](#) [Help](#) [User](#)

Viewing : Any Delivery Method ▾ Any State ▾

	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status
<input type="checkbox"/>	Web	E1BZX452I18FRV	d176g9g5jt906m.cloudfront.net	-	shree-demo.s3.amazonaws.com	-	Deployed
<input type="checkbox"/>	Web	E2PKI0HWOF8SVU	d3dn372wz4246h.cloudfront.net	-	shree-webhosting.s3.amazonaws.com	-	Deployed

S3 URL THAT WILL BE USED TO “wget” index.html

← → ↻ s3.console.aws.amazon.com/s3/object/shree-demo/index.html?region=us-west-2&tab=overview ☆ S

aws Services ▾ Resource Groups ▾ ↗

shreeni123 ▾ Global ▾ Support ▾

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

Owner
shreenivas.i

Last modified
May 26, 2020 11:10:18 PM GMT-0400

Etag
f7aa5227df6e8cfa53c094d212d31b8f


Storage class
Standard

Server-side encryption
None

Size
4.0 KB

Key
index.html

Object URL
<https://shree-demo.s3-us-west-2.amazonaws.com/index.html>








NETWORK AND SERVERS STACK CREATED USING SCRIPT 'create-stack-IAC'

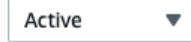

← → ↻ us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks?filteringText=&filteringStatus=active&viewNested=true&hideStacks=false ☆ S


aws Services ▾ Resource Groups ▾ ☆



shreeni123 ▾ Oregon ▾ Support ▾

CloudFormation > Stacks


Stacks (2)     

< 1 > 

	Stack name	Status	Created time ▾	Description
<input type="radio"/>	Servers	 CREATE_COMPLETE	2020-05-27 03:10:52 UTC-0400	Shree Iyer This template is for Project 2
<input type="radio"/>	Network	 CREATE_COMPLETE	2020-05-27 02:49:40 UTC-0400	Shree Iyer This template is for Project 2


NETWORK - STACK INFO




Services ▾

Resource Groups ▾

★


 shreeni123 ▾ Oregon ▾ Support ▾

CloudFormation > Stacks > Network


Stacks (2) 


Active ▾ ☒ View nested

< 1 >


Servers 


2020-05-27 03:57:57 UTC-0400

 CREATE_IN_PROGRESS


Network 



2020-05-27 03:54:07 UTC-0400

 CREATE_COMPLETE

Network 

Stack info | Events | Resources | Outputs | Parameters | Template | Change sets

Overview 

Stack ID	Description
arn:aws:cloudformation:us-west-2:692963223244:stack/Network/3e34f6c0-9fef-11ea-8a32-06d207b7e764 	Shree Iyer This template is for Project 2
Status	Status reason
 CREATE_COMPLETE	-
Root stack	Parent stack
-	-
Created time	Deleted time
2020-05-27 03:54:07 UTC-0400	-
Updated time	
-	

NETWORK - EVENTS

CloudFormation > Stacks > Network

Stacks (2)



Filter by stack name

Active



View nested



1

Servers

2020-05-27 03:57:57 UTC-0400

CREATE_IN_PROGRESS

Network

2020-05-27 03:54:07 UTC-0400

CREATE_COMPLETE

Events (65)



Search events



Timestamp	Logical ID	Status	Status reason
2020-05-27 03:57:44 UTC-0400	Network	CREATE_COMPLETE	-
2020-05-27 03:57:42 UTC-0400	DefaultPrivateRoute2	CREATE_COMPLETE	-
2020-05-27 03:57:27 UTC-0400	DefaultPrivateRoute2	CREATE_IN_PROGRESS	Resource creation Initiated
2020-05-27 03:57:26 UTC-0400	DefaultPrivateRoute2	CREATE_IN_PROGRESS	-
2020-05-27 03:57:24 UTC-0400	NatGateway2	CREATE_COMPLETE	-
2020-05-27 03:56:56 UTC-0400	DefaultPrivateRoute1	CREATE_COMPLETE	-
2020-05-27 03:56:41 UTC-0400	DefaultPrivateRoute1	CREATE_IN_PROGRESS	Resource creation Initiated
2020-05-27 03:56:40 UTC-0400	DefaultPrivateRoute1	CREATE_IN_PROGRESS	-

NETWORK - RESOURCES

← → ↻ us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/resources?filteringText=&filteringStatus=active&viewNested=true&hideStacks=false&stac... ☆ S

aws Services ▾ Resource Groups ▾ ☆

shreeni123 ▾ Oregon ▾ Support ▾

CloudFormation > Stacks > Network

Stacks (2) ↻

🔍 Filter by stack name

Active ▾ ☒ View nested

< 1 >

Servers ○

2020-05-27 03:57:57 UTC-0400

🔍 CREATE_IN_PROGRESS

Network ●

2020-05-27 03:54:07 UTC-0400

✅ CREATE_COMPLETE

Resources (21) ↻

🔍 Search resources

Logical ID ▲	Physical ID ▼	Type ▼	Status ▼	Status reason ▼
DefaultPrivateRoute1	Netwo-Defau-11M1M0A8SPB9N	AWS::EC2::Route	✅ CREATE_COMPLETE	-
DefaultPrivateRoute2	Netwo-Defau-EETORXH685V4	AWS::EC2::Route	✅ CREATE_COMPLETE	-
DefaultPublicRoute	Netwo-Defau-HVEKIKYCEPOV	AWS::EC2::Route	✅ CREATE_COMPLETE	-
InternetGateway	igw-03b56d6e077f139b2	AWS::EC2::InternetG ateway	✅ CREATE_COMPLETE	-
InternetGatewayAttachme nt	Netwo-Inter-1CBF1QD2CQQGC	AWS::EC2::VPCGate wayAttachment	✅ CREATE_COMPLETE	-
NatGateway1	nat-099a04378fdce417e	AWS::EC2::NatGate way	✅ CREATE_COMPLETE	-
NatGateway1EIP	44.231.144.230	AWS::EC2::EIP	✅ CREATE_COMPLETE	-

NETWORK - PARAMETERS

aws

Services ▾

Resource Groups ▾

★

shreeni123 ▾ Oregon ▾ Support ▾

CloudFormation > Stacks > Network

Stacks (2)

Filter by stack name

Active ▾

View nested

< 1 >

Servers

2020-05-27 03:10:52 UTC-0400

CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

CREATE_COMPLETE

Network

Delete Update Stack actions ▾ Create stack ▾

Stack info Events Resources Outputs Parameters Template Change sets

Parameters (6)

Search parameters

Key ▲	Value ▼	Resolved value ▼
EnvironmentName	IACProject2	-
PrivateSubnet1CIDR	10.0.2.0/24	-
PrivateSubnet2CIDR	10.0.3.0/24	-
PublicSubnet1CIDR	10.0.0.0/24	-
PublicSubnet2CIDR	10.0.1.0/24	-
VpcCIDR	10.0.0.0/16	-

NETWORK - TEMPLATE

The screenshot displays the AWS CloudFormation console interface. At the top, the navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (shreeni123, Oregon, Support). The breadcrumb trail shows 'CloudFormation > Stacks > Network'. On the left sidebar, under 'Stacks (2)', there is a search bar 'Filter by stack name' and a filter set to 'Active'. Two stacks are listed: 'Servers' (created 2020-05-27 03:10:52 UTC-0400, status CREATE_COMPLETE) and 'Network' (created 2020-05-27 02:49:40 UTC-0400, status CREATE_COMPLETE, highlighted with a blue border and a blue dot). The main area is titled 'Template' and contains a 'View in Designer' button. The template content includes a description, parameters for EnvironmentName, VpcCIDR, PublicSubnet1CIDR, PublicSubnet2CIDR, PrivateSubnet1CIDR, and PrivateSubnet2CIDR, and a resources section starting with 'VPC:'.

aws Services ▾ Resource Groups ▾

shreeni123 ▾ Oregon ▾ Support ▾

CloudFormation > Stacks > Network

Stacks (2)

Filter by stack name

Active ▾ ☒ View nested

< 1 >

Servers

2020-05-27 03:10:52 UTC-0400

CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

CREATE_COMPLETE

Template [View in Designer](#)

Description: >
Shree Iyer
This template is for Project 2

Parameters:

EnvironmentName:
Description: An environment that will be prefixed to resources
Type: String

VpcCIDR:
Description: Please enter the IP range (CIDR notation) for this
Type: String
Default: 10.0.0.0/16

PublicSubnet1CIDR:
Description: Please enter the IP range (CIDR notation) for this
Type: String
Default: 10.0.0.0/24

PublicSubnet2CIDR:
Description: Please enter the IP range (CIDR notation) for this
Type: String
Default: 10.0.1.0/24

PrivateSubnet1CIDR:
Description: Please enter the IP range (CIDR notation) for this
Type: String
Default: 10.0.2.0/24

PrivateSubnet2CIDR:
Description: Please enter the IP range (CIDR notation) for this
Type: String
Default: 10.0.3.0/24

Resources:
VPC:

NETWORK - OUTPUTS

aws

Services

Resource Groups

shreeni123

Oregon

Support

CloudFormation

Stacks

Network

Stacks (2)

Filter by stack name

Active

View nested

< 1 >

Servers

2020-05-27 03:57:57 UTC-0400

CREATE_IN_PROGRESS

Network

2020-05-27 03:54:07 UTC-0400

CREATE_COMPLETE

Outputs (10)

Search outputs

Key	Value	Description	Export name
PrivateSubnet1	subnet-0235066f44aea486d	A reference to the private subnet in the 1st Availability Zone	IACProject2-PR11-SN
PrivateSubnet2	subnet-02b03ae0df04581cc	A reference to the private subnet in the 2nd Availability Zone	IACProject2-PR12-SN
PrivateSubnets	subnet-0235066f44aea486d,subnet-0bd46bd2b4fbcc558	A list of the private subnets	IACProject2-PRIV-NETS
PublicSubnet1	subnet-061eb9d0bd95c5855	A reference to the public subnet in the 1st Availability Zone	IACProject2-PUB1-SN
PublicSubnet2	subnet-02b03ae0df04581cc	A reference to the public subnet in the 2nd Availability Zone	IACProject2-PUB2-SN
PublicSubnets	subnet-061eb9d0bd95c5855,subnet-02b03ae0df04581cc	A list of the public subnets	IACProject2-PUB-NETS
VPC	vpc-0e2e27297b002b2a4	A reference to the created VPC	IACProject2-VPCID

SERVICES – STACK INFO

aws

Services

Resource Groups

shreeni123

Oregon

Support

CloudFormation > Stacks > Servers

Stacks (2)

Filter by stack name

Active View nested

Servers

2020-05-27 03:10:52 UTC-0400

CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

CREATE_COMPLETE

Servers

Stack info Events Resources Outputs Parameters Template Change sets

Overview

Stack ID

arn:aws:cloudformation:us-west-2:692963223244:stack/Servers/33119c90-9fe9-11ea-b90c-0275d40857f8

Description

Shree Iyer This template is for Project 2

Status

CREATE_COMPLETE

Status reason

-

Root stack

-

Parent stack

-

Created time

2020-05-27 03:10:52 UTC-0400

Deleted time

-

Updated time

-

Drift status

NOT_CHECKED

Last drift check time

-

Termination protection

Disabled

IAM role

-

SERVICES – EVENTS

aws

Services

Resource Groups

shreeni123

Oregon

Support

CloudFormation

Stacks

Servers

Stacks (2)

Filter by stack name

Active

View nested

< 1 >

Servers

2020-05-27 03:10:52 UTC-0400

CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

CREATE_COMPLETE

Servers

Stack info

Events

Resources

Outputs

Parameters

Template

Change sets

Delete

Update

Stack actions

Create stack

Events (26)

Search events

Timestamp	Logical ID	Status	Status reason
2020-05-27 03:13:13 UTC-0400	Servers	CREATE_COMPLETE	-
2020-05-27 03:13:11 UTC-0400	ALBListenerRule	CREATE_COMPLETE	-
2020-05-27 03:13:10 UTC-0400	ALBListenerRule	CREATE_IN_PROGRESS	Resource creation Initiated
2020-05-27 03:13:10 UTC-0400	ALBListenerRule	CREATE_IN_PROGRESS	-
2020-05-27 03:13:09 UTC-0400	Listener	CREATE_COMPLETE	-
2020-05-27 03:13:08 UTC-0400	Listener	CREATE_IN_PROGRESS	Resource creation Initiated
2020-05-27 03:13:08 UTC-0400	Listener	CREATE_IN_PROGRESS	-
2020-05-27 03:13:06 UTC-0400	WebAppLB	CREATE_COMPLETE	-
2020-05-27 03:12:00 UTC-0400	WebAppGroup	CREATE_COMPLETE	-

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SERVICES – RESOURCES

aws

Services ▾

Resource Groups ▾

★

shreeni123 ▾

Oregon ▾

Support ▾

CloudFormation > Stacks > Servers

Stacks (2)

Filter by stack name

Active ▾

☒ View nested

< 1 >

Servers

2020-05-27 03:10:52 UTC-0400

☒ CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

☐

Servers

Delete

Update

Stack actions ▾

Create stack ▾

Stack info

Events

Resources

Outputs

Parameters

Template

Change sets



Resources (8)


Search resources

Logical ID	Physical ID	Type	Status	Status reason
ALBListenerRule	arn:aws:elasticloadbalancing:us-west-2:692963223244:listener-rule/app/Serve-WebApp-BV8B3BOMO10W/3101fea6bc1aab8e/e056b81dc2e89e1f/3124f15e5c8a2687	AWS::ElasticLoadBalancingV2::ListenerRule	<input checked="" type="checkbox"/> CREATE_COMPLETE	-
LBSecGroup	sg-07983f3c86e3988a8	AWS::EC2::SecurityGroup	<input checked="" type="checkbox"/> CREATE_COMPLETE	-
Listener	arn:aws:elasticloadbalancing:us-west-2:692963223244:listener/app/Serve-WebApp-BV8B3BOMO10W/3101fea6bc1aab8e/e056b81dc2e89e1f	AWS::ElasticLoadBalancingV2::Listener	<input checked="" type="checkbox"/> CREATE_COMPLETE	-
Servers-WebAppGroup-		AWS::AutoScaling::A	<input checked="" type="checkbox"/>	


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SERVICES – PARAMETERS

 Services ▾ Resource Groups ▾ 

 shreeni123 ▾ Oregon ▾ Support ▾


CloudFormation > Stacks > Servers

Stacks (2) 


 Filter by stack name


Active ▾ ☒ View nested

< 1 >


Servers 

2020-05-27 03:10:52 UTC-0400

 CREATE_COMPLETE

Network 


2020-05-27 02:49:40 UTC-0400


 CREATE_COMPLETE


Servers

Delete Update Stack actions ▾ Create stack ▾

Stack info Events Resources Outputs **Parameters** Template Change sets

Parameters (2) 

 Search parameters



Key ▲	Value ▼	Resolved value ▼
EnvironmentName	IACProject2	-
SSHLocation	0.0.0.0/0	-

SERVERS – TEMPLATE

CloudFormation > Stacks > Servers

Stacks (2)

Filter by stack name

Active View nested

Servers

2020-05-27 03:10:52 UTC-0400

CREATE_COMPLETE

Network

2020-05-27 02:49:40 UTC-0400

CREATE_COMPLETE

Servers

Delete

Update

Stack actions

Create stack

Stack info

Events

Resources

Outputs

Parameters

Template

Change sets

Template

View in Designer

Description: >
Shree Iyer
This template is for Project 2

Parameters:
EnvironmentName:
Description: An environment that will be prefixed to resources
Type: String

SSHLocation:
Description: "The IP address range that can be used to SSH to the EC2 instances"
Type: String
MinLength: 9
MaxLength: 18
Default: "0.0.0.0/0"
AllowedPattern: "(\\d{1,3})\\. (\\d{1,3})\\. (\\d{1,3})\\. (\\d{1,3})/(\\d{1,2})"
ConstraintDescription: "must be a valid IP CIDR range of the form x.x.x.x/x."

Resources:
LBSecGroup:
Type: AWS::EC2::SecurityGroup
Properties:

SERVERS – OUTPUTS

The screenshot shows the AWS CloudFormation console for the 'Servers' stack in the us-west-2 region. The left sidebar shows a list of stacks: 'Servers' (created 2020-05-27 03:10:52 UTC-0400, status CREATE_COMPLETE) and 'Network' (created 2020-05-27 02:49:40 UTC-0400, status CREATE_COMPLETE). The main panel is titled 'Servers' and has tabs for Stack info, Events, Resources, Outputs, Parameters, Template, and Change sets. The 'Outputs' tab is selected, showing one output: 'LoadBalancerDNS' with the value 'http://Serve-WebAp-BV8B3BOMO10W-186072745.us-west-2.elb.amazonaws.com'. The output table has columns for Key, Value, Description, and Export name.

CloudFormation > Stacks > Servers

Servers

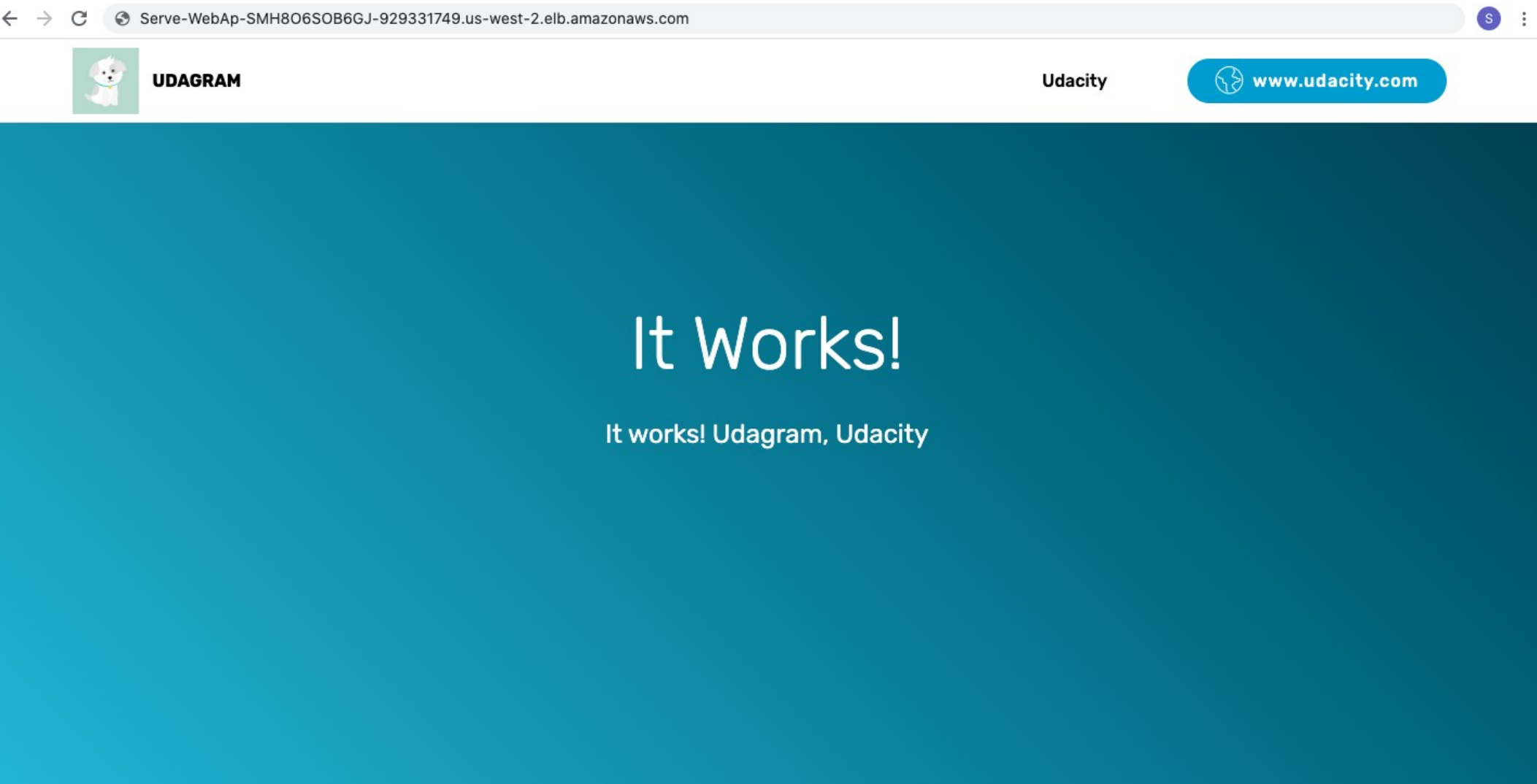
Stack info | Events | Resources | **Outputs** | Parameters | Template | Change sets

Outputs (1)

Key	Value	Description	Export name
LoadBalancerDNS	http://Serve-WebAp-BV8B3BOMO10W-186072745.us-west-2.elb.amazonaws.com	-	DNS-URL


<http://Serve-WebAp-SMH8O6SOB6GJ-929331749.us-west-2.elb.amazonaws.com>

WORKING WEBPAGE




<http://Serve-WebAp-SMH8O6SOB6GJ-929331749.us-west-2.elb.amazonaws.com>

RUNNING EC2 INSTANCES

 Services ▾ Resource Groups ▾

shreeni123 ▾ Oregon ▾ Support ▾

 New EC2 Experience

Tell us what you think

EC2 Dashboard New

Events New

Tags

Reports

Limits

INSTANCES










Launch Instance ▾

Connect

Actions ▾

Filter by tags and attributes or search by keyword



1 to 18 of 18


<input type="checkbox"/>	Name ▾	Instance ID ▾	Instance Type ▾	Availability Zone ▾	Instance State ▴	Status Checks ▾	Alarm Status	Public DNS (IPv4) ▾	IPv4 Public IP
<input type="checkbox"/>		i-07b76e789fb39e8b5	t3.medium	us-west-2b	 running	 2/2 checks ...	None		-
<input type="checkbox"/>		i-083143f6356c67eb9	t3.medium	us-west-2a	 running	 2/2 checks ...	None		-
<input type="checkbox"/>		i-0cb6af75a5efe9a22	t3.medium	us-west-2a	 running	 2/2 checks ...	None		-








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SECURITY GROUPS

EC2 > Security Groups

Security Groups (7) [Info](#)  **Actions**  [Create security group](#)

< 1 > 

<input type="checkbox"/>	Security group ID ▾	Security group name ▾	VPC ID ▾	Description
<input type="checkbox"/>	sg-033dc6d6dd36cc640	test	vpc-8ba1c3f3 	test
<input type="checkbox"/>	sg-03588afd984039402	Servers-LBSecGroup-Y872HIH5783G	vpc-0e2e27297b002b2a4 	Allow http to our load
<input type="checkbox"/>	sg-0679a9a1dd77fcb92	default	vpc-0e2e27297b002b2a4 	default VPC security g
<input type="checkbox"/>	sg-0904f7608072b25da	Servers-WebServerSecGroup-I7ZY6VN71GPE	vpc-0e2e27297b002b2a4 	Allow http to our host
<input type="checkbox"/>	sg-0a29cb9e3c8ea6bfb	launch-wizard-1	vpc-8ba1c3f3 	launch-wizard-1 creat
<input type="checkbox"/>	sg-0aed5e2b9046953be	AutoScaling-Security-Group-1	vpc-8ba1c3f3 	AutoScaling-Security-
<input type="checkbox"/>	sg-968c88c9	default	vpc-8ba1c3f3 	default VPC security g

LOAD BALANCER

[Create Load Balancer](#) Actions ▾

Filter by tags and attributes or search by keyword

< 1 to 1 of 1 >

	Name	DNS name	State	VPC ID	Availability Zones	Type
	Serve-WebAp-SMH8O6SOB...	Serve-WebAp-SMH8O6SOB...	active	vpc-0e2e27297b002b2a4	us-west-2b, us-west-2a	application

Load balancer: Serve-WebAp-SMH8O6SOB6GJ

Description



Listeners

Monitoring

Integrated services

Tags

Basic Configuration

Name	Serve-WebAp-SMH8O6SOB6GJ
ARN	arn:aws:elasticloadbalancing:us-west-2:692963223244:loadbalancer/app/Serve-WebAp-SMH8O6SOB6GJ/36aa0125829d2f34 
DNS name	Serve-WebAp-SMH8O6SOB6GJ-929331749.us-west-2.elb.amazonaws.com  (A Record)
State	active
Type	application

TARGET GROUPS

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#TargetGroups:sort=targetGroupName

aws Services ▾ Resource Groups ▾

shreeni123 ▾ Oregon ▾ Support ▾

New EC2 Experience
Tell us what you think

Create target group Actions ▾

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name	Port	Protocol	Target type	Load Balanc	VPC ID	Monitoring
<input type="checkbox"/>	Serve-WebAp-1FCCZ4TSM...	80	HTTP	instance	Serve-Web...	vpc-0e2e27297b002b2a4	

Target group: **Serve-WebAp-1FCCZ4TSMH3VH**

Description Targets Health checks Monitoring Tags

Basic Configuration

Name	Serve-WebAp-1FCCZ4TSMH3VH
ARN	arn:aws:elasticloadbalancing:us-west-2:692963223244:targetgroup/Serve-WebAp-1FCCZ4TSMH3VH/af8e3a4f3e6aedb5
Protocol	HTTP
Port	80
Target type	instance
VPC	vpc-0e2e27297b002b2a4
Load balancer	Serve-WebAp-SMH8O6SOB6GJ

AUTOSCALING LAUNCH CONFIGURATIONS

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Create Auto Scaling group

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Actions ▾

Filter:

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>

>>

<input type="checkbox"/>	Name	AMI ID	Instance Type	Spot Price	Creation Time
<input checked="" type="checkbox"/>	Servers-WebAppLaunchConfig-1GJQIBYYBO4O	ami-06d51e91...	t3.medium		May 27, 2020 at 4:10:08 AM UT...

Launch Configuration: Servers-WebAppLaunchConfig-1GJQIBYYBO4O

Details

AMI ID

ami-06d51e91cea0dac8d

IAM Instance Profile

Key Name

EBS Optimized

Spot Price

RAM Disk ID

User data

View User data

Instance Type

t3.medium

Kernel ID

Monitoring

Security Groups

Creation Time

Block Devices

IP Address Type

Only assign a public IP address to instances launched in

Copy launch configuration

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AUTOSCALING GROUPS

us-west-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-west-2#AutoScalingGroups:id=Servers-WebAppGroup-1JYTHKPE3OUR3;view=details

aws Services Resource Groups

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Try the new design for Amazon EC2 Auto Scaling
This older console is being replaced with the new EC2 Auto Scaling console. No new features or improvements will be made in this older console. [Go to the new console.](#)

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 Grace
Auto Scaling Group: Servers-WebAppGroup-1JYTHKPE3OUR3								
Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks								
Launch Configuration	Servers-WebAppLaunchConfig-1GJQIBYYBO4O					Availability Zone(s)	us-west-2a, us-west-2b	
						Subnet(s)	subnet-0235066f44aea486d, subnet-0bd46bd2b4fbcc558	
Desired Capacity	3					Classic Load Balancers		
Min	3					Target Groups	Serve-WebAp-1FCCZ4TSMH3VH	
Max	5					Health Check Type	EC2	
						Health Check Grace Period	0	
						Instance Protection		

VPC

us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#vpcs:sort=VpcId

aws Services Resource Groups

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Elastic IPs **New**

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Create VPC Actions

Filter by tags and attributes or search by keyword

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR (Network Border Group)	DHCP options set	Main Route table
IACProject2	vpc-0e2e27297b002b2a4	available	10.0.0.0/16	-	dopt-6742d91f	rtb-006c3d43b51
	vpc-8ba1c3f3	available	172.31.0....	-	dopt-6742d91f	rtb-a65619dd

VPC: vpc-0e2e27297b002b2a4

Description CIDR Blocks Flow Logs Tags

VPC ID	vpc-0e2e27297b002b2a4	Tenancy	default
State	available	Default VPC	No
IPv4 CIDR	10.0.0.0/16	Classic link	Disabled
IPv6 CIDR (Network Border Group)	-	IPv6 Pool	-
DNS resolution	Enabled	Network ACL	acl-0a64f51f4eea55557
DNS hostnames	Enabled	DHCP options set	dopt-6742d91f
ClassicLink DNS Support	Disabled	Route table	rtb-006c3d43b51028f0e
Owner	692963223244		