



ADVANCED CLOUD DEVOPS

Deploy a high-availability web app using CloudFormation



NOVEMBER 25, 2022

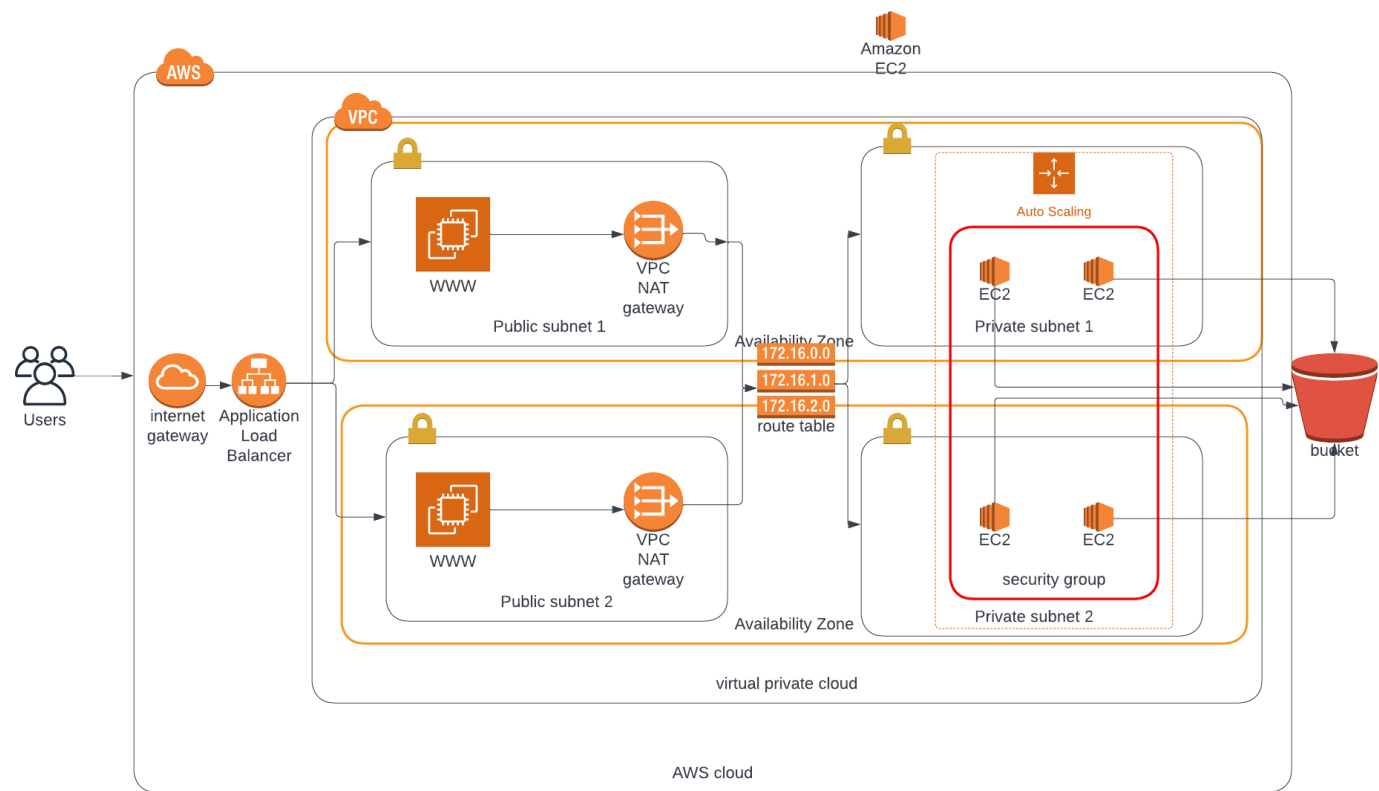
CREATED BY: AHMED KHALLAF

Link for Web site:

<http://serve-webap-llazzezy5gx-1072865659.us-east-1.elb.amazonaws.com/>

Diagram

Deploy a high-availability web app using CloudFormation



For network:

The screenshot displays the AWS CloudFormation console interface. The top navigation bar includes the AWS logo, a search bar, and a list of services: VPC, EC2, Console Home, Elastic Beanstalk, Lambda, S3, AWS Budgets, DynamoDB, RDS, CloudFront, CloudFormation, and IAM. The user is logged in as 'voclabs/user2183809-7294d466-00cf-11ec-90a9-6fa0a467fda2 @ 55...' in the 'N. Virginia' region.

The left sidebar shows the 'CloudFormation' section with options for Stacks, Stack details, Drifts, StackSets, Exports, Designer, Registry, Public extensions, Activated extensions, Publisher, and Feedback.

The main content area is titled 'finalproject' and shows a list of stacks under the heading 'Stacks (4)'. The stacks listed are:

- server-stack (2022-11-25 19:26:23 UTC+0200) with status UPDATE_COMPLETE
- finalproject (2022-11-25 15:59:36 UTC+0200) with status UPDATE_COMPLETE (highlighted)
- ourdemoserver (2022-11-25 15:38:07 UTC+0200) with status CREATE_COMPLETE
- ourdemoinfra (2022-11-25 15:34:16 UTC+0200) with status CREATE_COMPLETE

The 'finalproject' stack details are shown on the right, including the Stack ID, Description, Status, Root stack, Created time, Updated time, Drift status, and Termination protection.

Stack ID	Description
arn:aws:cloudformation:us-east-1:553811002043:stack/finalproject/65abd620-6cc9-11ed-8619-0ae642554bcb	By Ahmed Khallaf "Network creation"

Status	Status reason
UPDATE_COMPLETE	-

Root stack	Parent stack
-	-

Created time	Deleted time
2022-11-25 15:59:36 UTC+0200	-

Updated time	Last drift check time
2022-11-25 16:22:17 UTC+0200	-

Drift status	Last drift check time
NOT_CHECKED	-

Termination protection	IAM role
Disabled	-

The footer of the console shows the feedback link, a language selection prompt, and the copyright notice: © 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user2183809~7294d466-00cf-11ec-90a9-6fa0a467fda2 @ 55...

VPC EC2 Console Home Elastic Beanstalk Lambda S3 AWS Budgets DynamoDB RDS CloudFront CloudFormation IAM

CloudFormation

CloudFormation > Stacks > finalproject

Stacks (4)

Filter by stack name

Active View nested 1

server-stack
2022-11-25 19:26:23 UTC+0200
UPDATE_COMPLETE

finalproject
2022-11-25 15:59:36 UTC+0200
UPDATE_COMPLETE

ourdemo-server
2022-11-25 15:38:07 UTC+0200
CREATE_COMPLETE

ourdemo-infra
2022-11-25 15:34:16 UTC+0200
CREATE_COMPLETE

Stack info Events Resources Outputs Parameters Templates

Resources (21)

Search resources

Logical ID	Physical ID	Type	Status	Module
DefaultPrivateRoute1	final-DefaultPrivateRoute1FWQ5WT4UP46T	AWS::EC2::Route	CREATE_COMPLETE	-
DefaultPrivateRoute2	final-DefaultPrivateRoute2BD6AT7DK2PDV	AWS::EC2::Route	CREATE_COMPLETE	-
DefaultPublicRoute	final-DefaultPublicRoute1CWG40M2G NU2S	AWS::EC2::Route	CREATE_COMPLETE	-
InternetGateway	igw-017014f7184407837	AWS::EC2::InternetGateway	CREATE_COMPLETE	-
InternetGatewayAttachment	final-InternetGatewayAttachment1UNDZ5CH7A86W	AWS::EC2::VPCGatewayAttachment	CREATE_COMPLETE	-
NatGateway1	nat-0730152a971860473	AWS::EC2::NatGateway	CREATE_COMPLETE	-

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Services

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N. Virginia

voclabs/user2183809~7294d466-00cf-11ec-90a9-6fa0a467fda2 @ 55...

VPC EC2 Console Home Elastic Beanstalk Lambda S3 AWS Budgets DynamoDB RDS CloudFront CloudFormation IAM

CloudFormation

Stacks

Stack details

Drifts

StackSets

Exports

Designer

Registry

Public extensions

Activated extensions

Publisher

Feedback

CloudFormation > Stacks > finalproject

Stacks (4)

Filter by stack name

Active View nested

server-stack

2022-11-25 19:26:23 UTC+0200

UPDATE_COMPLETE

finalproject

2022-11-25 15:59:36 UTC+0200

UPDATE_COMPLETE

ourdemoserver

2022-11-25 15:38:07 UTC+0200

CREATE_COMPLETE

ourdemoinfra

2022-11-25 15:34:16 UTC+0200

CREATE_COMPLETE

finalproject

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template

Parameters (6)

Search

EnvironmentName

UdacityProject

PrivateSubnet1CIDR

10.0.3.0/24

PrivateSubnet2CIDR

10.0.4.0/24

PublicSubnet1CIDR

10.0.1.0/24

PublicSubnet2CIDR

10.0.2.0/24

VpcCIDR

10.0.0.0/16

Feedback

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For Server:

aws

Services

Search

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N. Virginia

voclabs/user2183809-7294d466-00cf-11ec-90a9-6fa0a467fda2 @ 55...

VPC EC2 Console Home Elastic Beanstalk Lambda S3 AWS Budgets DynamoDB RDS CloudFront CloudFormation IAM

CloudFormation

CloudFormation > Stacks > server-stack

Stacks

Stack details

Drifts

StackSets

Exports

Designer

Registry

Public extensions

Activated extensions

Publisher

Feedback

Stacks (4)

Filter by stack name

Active View nested

server-stack

2022-11-25 19:26:23 UTC+0200

UPDATE_COMPLETE

finalproject

2022-11-25 15:59:36 UTC+0200

UPDATE_COMPLETE

ourdemoserver

2022-11-25 15:38:07 UTC+0200

CREATE_COMPLETE

ourdemoinfra

2022-11-25 15:34:16 UTC+0200

CREATE_COMPLETE

server-stack

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Tem

Overview

Stack ID

arn:aws:cloudformation:us-east-1:553811002043:stack/server-stack/48c87cd0-6ce6-11ed-9303-0af60224cc9b

Description

By Ahmed Khallaf "Servers CREATION"

Status

UPDATE_COMPLETE

Status reason

-

Root stack

-

Parent stack

-

Created time

2022-11-25 19:26:23 UTC+0200

Deleted time

-

Updated time

2022-11-25 19:28:57 UTC+0200

Drift status

NOT_CHECKED

Last drift check time

-

Termination protection

Disabled

IAM role

-

Feedback

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aws

Services

Search

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N. Virginia

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VPC EC2 Console Home Elastic Beanstalk Lambda S3 AWS Budgets DynamoDB RDS CloudFront CloudFormation IAM

CloudFormation

CloudFormation > Stacks > server-stack

Stacks (4)

Filter by stack name

Active View nested

server-stack
2022-11-25 19:26:23 UTC+0200
UPDATE_COMPLETE

finalproject
2022-11-25 15:59:36 UTC+0200
UPDATE_COMPLETE

ourdemo-server
2022-11-25 15:38:07 UTC+0200
CREATE_COMPLETE

ourdemo-infra
2022-11-25 15:34:16 UTC+0200
CREATE_COMPLETE

server-stack

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Templates

Events (29)

Search events

Timestamp	Logical ID	Status	Status reason
2022-11-25 19:29:04 UTC+0200	server-stack	UPDATE_COMPLETE	-
2022-11-25 19:29:03 UTC+0200	server-stack	UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	-
2022-11-25 19:28:57 UTC+0200	server-stack	UPDATE_IN_PROGRESS	User Initiated
2022-11-25 19:28:19 UTC+0200	server-stack	CREATE_COMPLETE	-
2022-11-25		CREATE_COMPI	

Feedback

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CloudFormation

Stacks

Stack details

Drifts

StackSets

Exports

Designer

Registry

Public extensions

Activated extensions

Publisher

Feedback

CloudFormation > Stacks > server-stack

Stacks (4)

Filter by stack name

Active View nested

server-stack

2022-11-25 19:26:23 UTC+0200

UPDATE_COMPLETE

finalproject

2022-11-25 15:59:36 UTC+0200

UPDATE_COMPLETE

ourdemo server

2022-11-25 15:38:07 UTC+0200

CREATE_COMPLETE

ourdemo infra

2022-11-25 15:34:16 UTC+0200

CREATE_COMPLETE

server-stack

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template

Outputs (1)

Search outputs

1

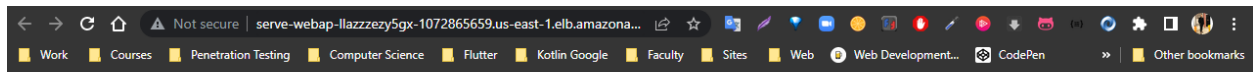
Key	Value	Description	Export name
LoadBalancerDNS	http://serve-WebAp-LLAZZZEZY5GX-1072865659.us-east-1.elb.amazonaws.com	-	LoadBalancerURL

Feedback

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The output:



it works! Udagram, Udacity