

**Westcon AWS**

**Web Hosting Starter Kit**

**Deployment Guide**



## AWS WebApp Windows Bundle – Implementation Guide v1.0

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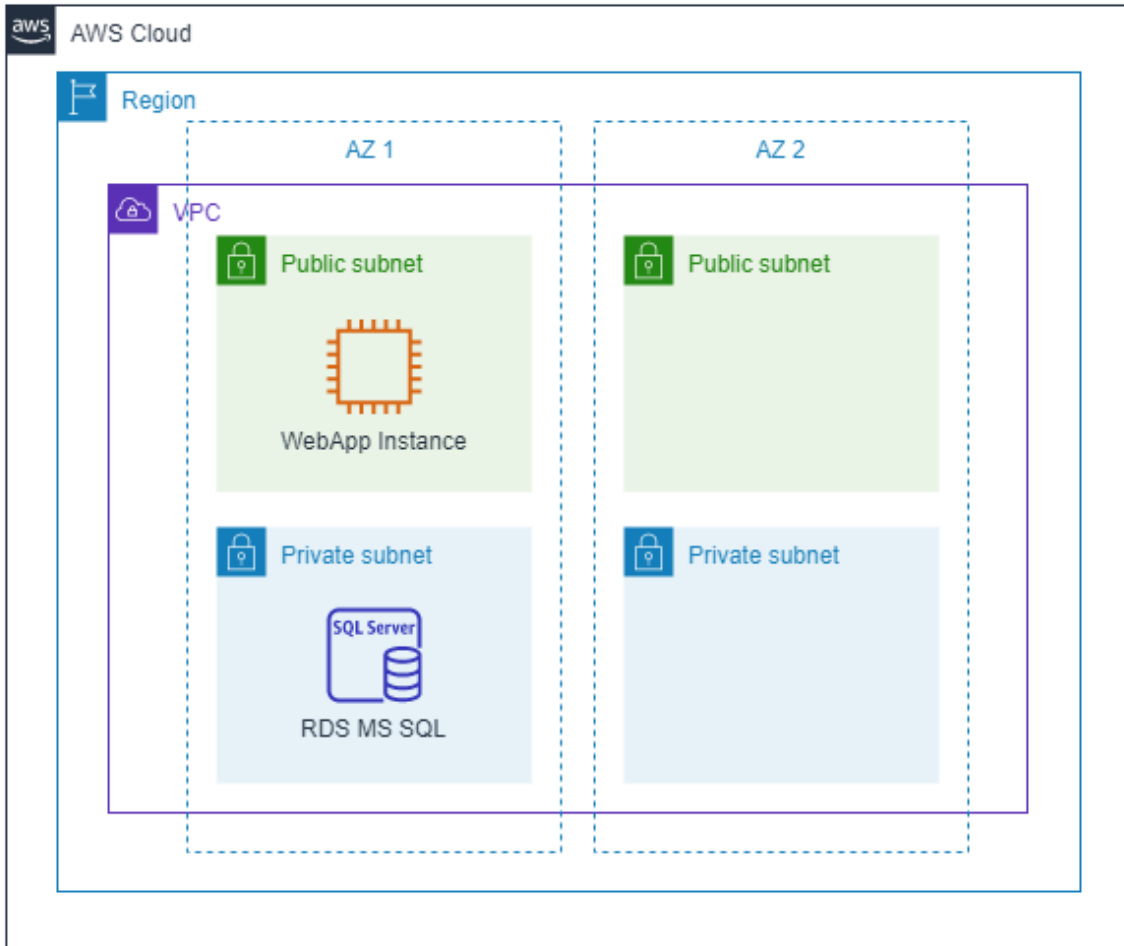
## Overview

This document provides an implementation guide to launch the AWS WebApp Windows bundle for AWS Distributors.

Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable compute capacity in the cloud. Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction. Amazon EC2 reduces the time required to obtain and boot new server instances to minutes, allowing you to quickly scale capacity, both up and down, as your computing requirements change. Amazon EC2 changes the economics of computing by allowing you to pay only for capacity that you actually use.

Amazon RDS is a web service that makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database administration tasks, freeing you up to focus on your applications and business.

## Architecture Overview



## Cost

This bundle uses the following resources:

Resource Type	Price (USD)
EC2 Instance – t3.medium	\$0.06/hour (US East Ohio)
RDS MS SQL – db.m5.xlarge	\$2.448/hour (US East Ohio)

NOTE: The above pricing information may be subject to change. Always check the official documentation for the latest costs. EC2 pricing information is available [here](#). RDS pricing information is available [here](#).

## Template

This solution uses AWS CloudFormation to bootstrap AWS infrastructure and automate the deployment of Windows WebApp Server and MS SQL Database Server on the AWS Cloud. The template is in the form of a “*WebApp-Windows.yaml*” file provided along with this implementation guide.

## Deployment

This guide is for the deployment of the WebApp Windows Bundle using CloudFormation.

### Pre-Requisite

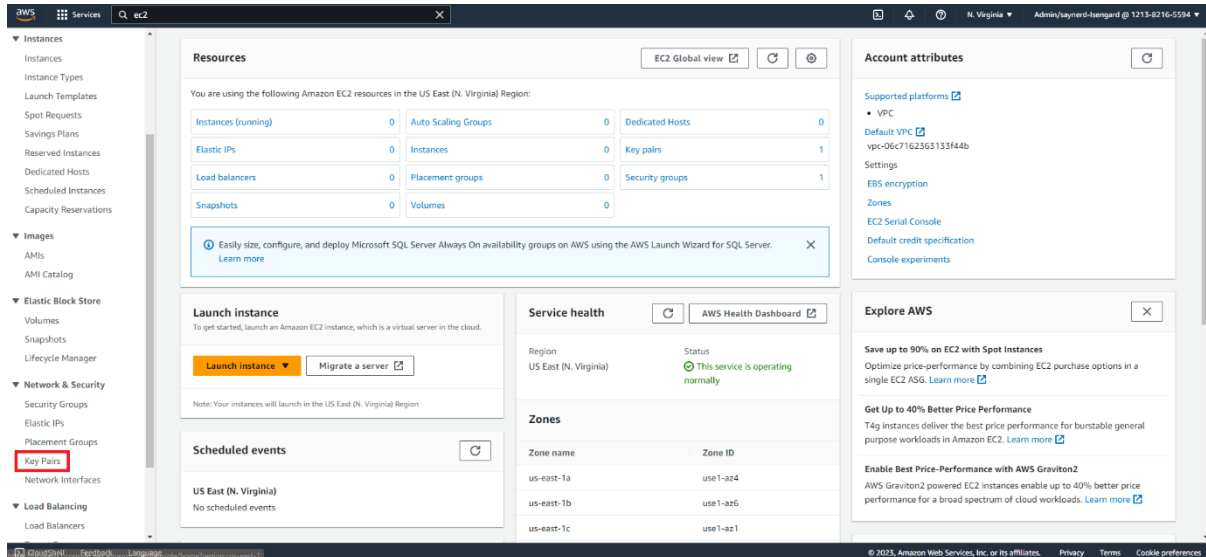
1. An existing EC2 Key Pair

An existing EC2 Key pair is needed. If you already have an existing EC2 Key Pair, skip the “Creating EC2 Key Pair” portion and proceed to the “Deploying Template Using CloudFormation” portion.

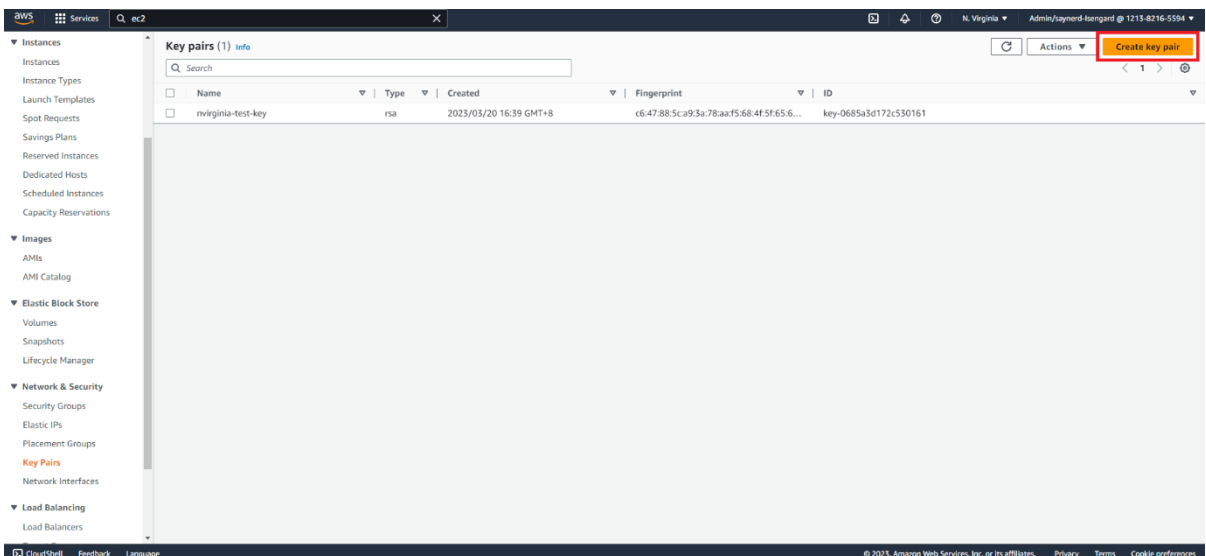
### Creating an EC2 Key Pair

1. On the AWS console, navigate to the EC2 service.

2. Under Network and Security, click on “Key Pairs”.

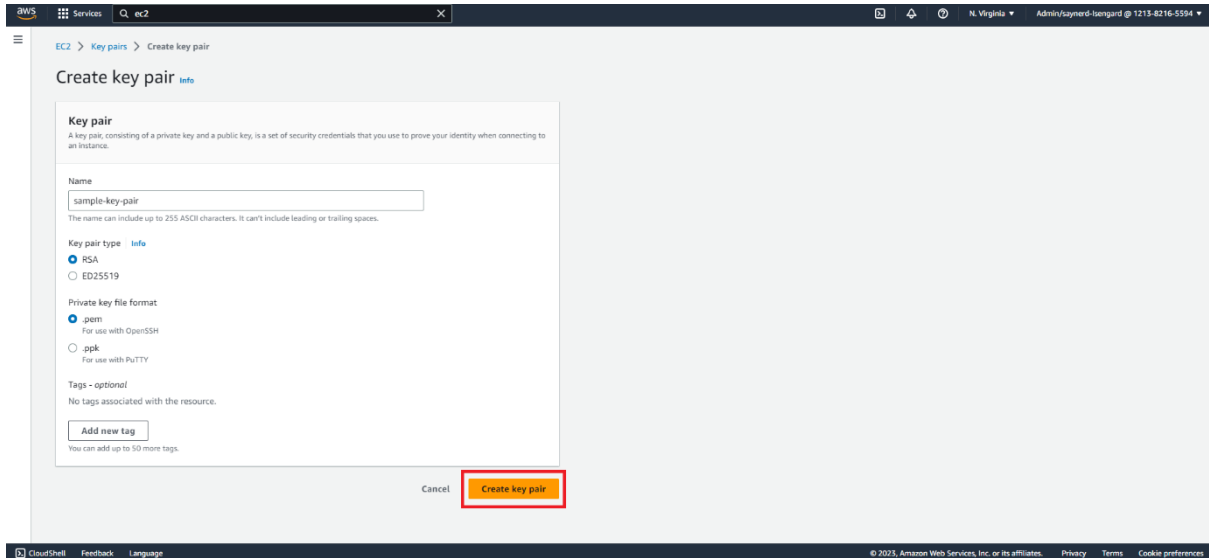


3. Click on “Create key pair” to continue.



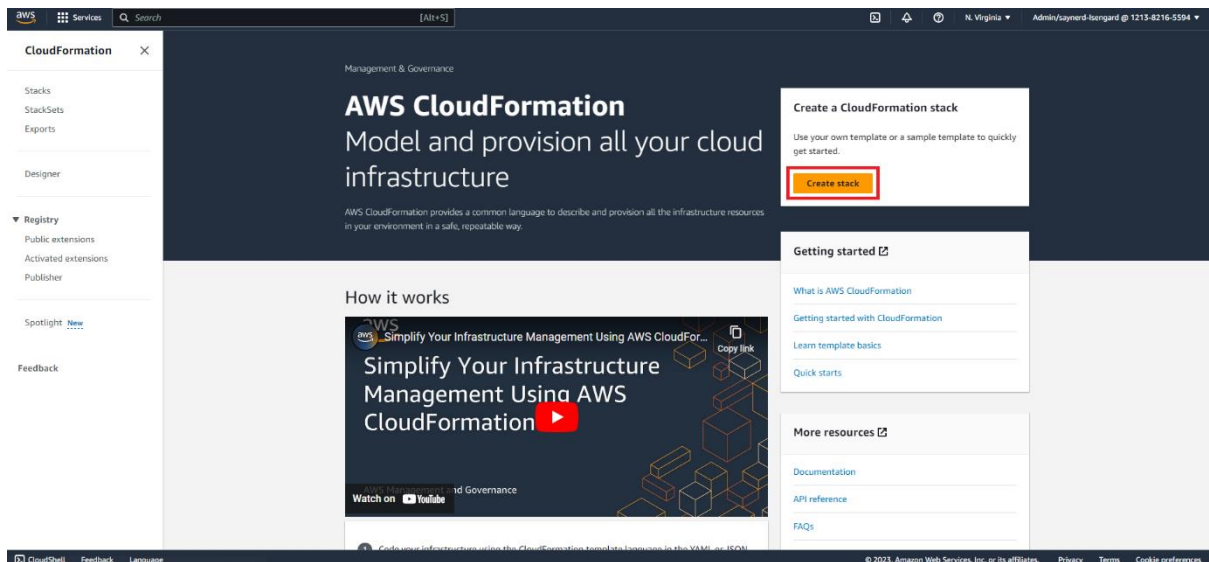
4. Enter a name for the Key Pair. Ensure that the “RSA” type and “.pem” format is selected.

5. Click on “Create key pair”.

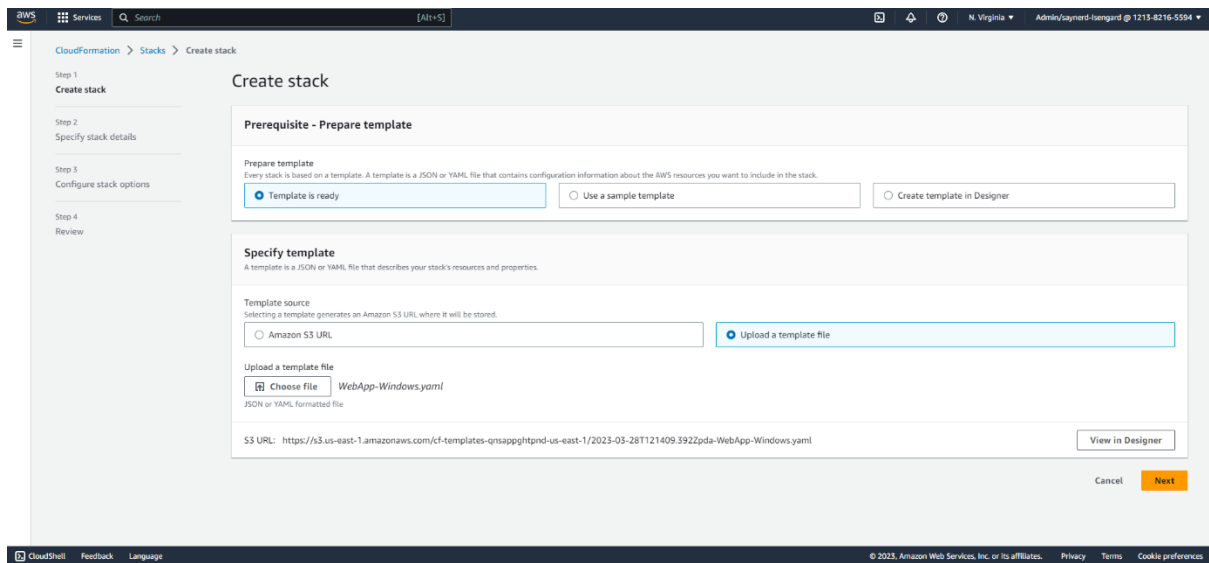


## Deploying Template Using AWS CloudFormation

1. On the AWS console, navigate to the CloudFormation service. Click “Create stack”.

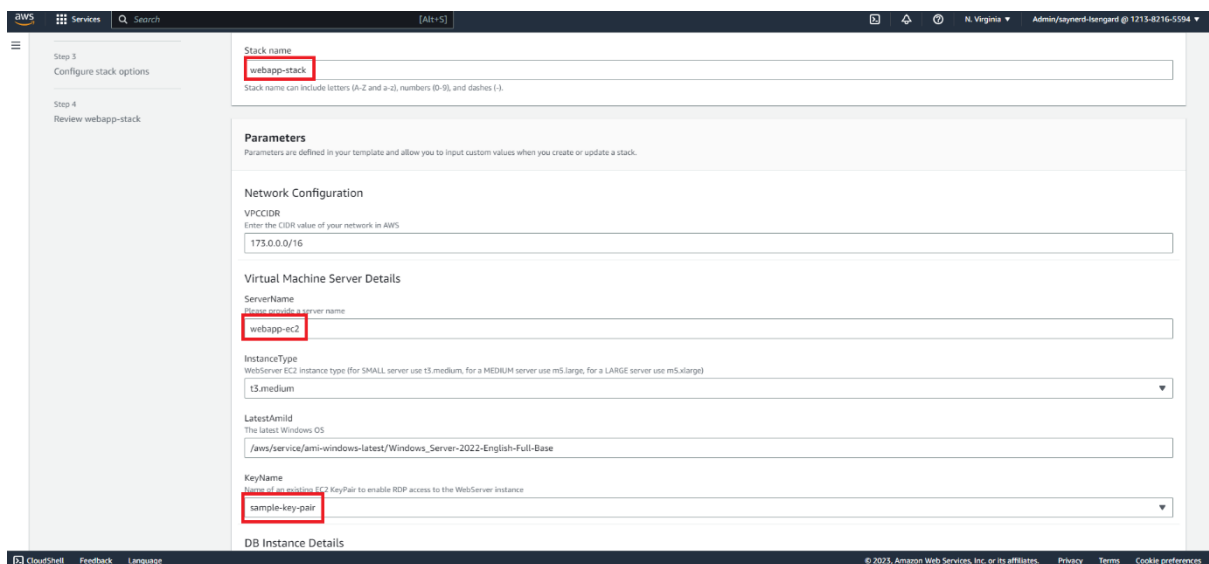


2. Select “Upload a template file”
3. Click on “Choose File”, then select the “WebApp-Windows.yaml” file. Click “Next”.



4. Enter a name for the stack.

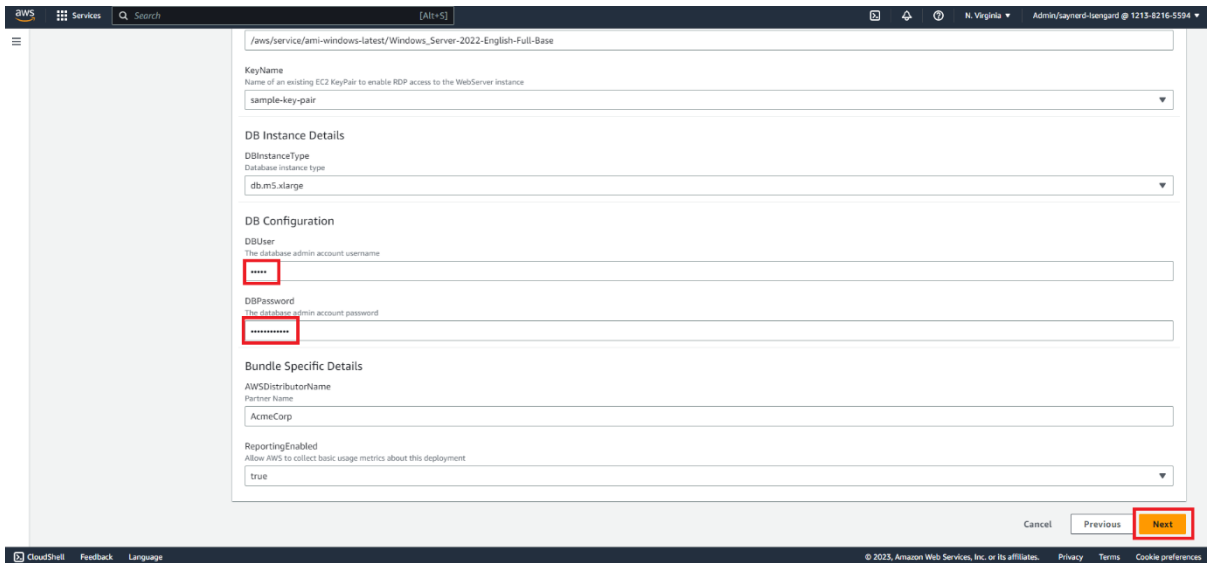
5. Enter the server's name, and select the Key Pair that you created previously.



6. Under the DB Configuration parameters, enter the database user and password.

7. Click "Next".





KeyName  
Name of an existing EC2 KeyPair to enable RDP access to the WebServer instance  
sample-key-pair

DB Instance Details  
DBInstanceType  
Database instance type  
db.m5.xlarge

DB Configuration  
DBUser  
The database admin account username  
\*\*\*\*\*

DBPassword  
The database admin account password  
\*\*\*\*\*

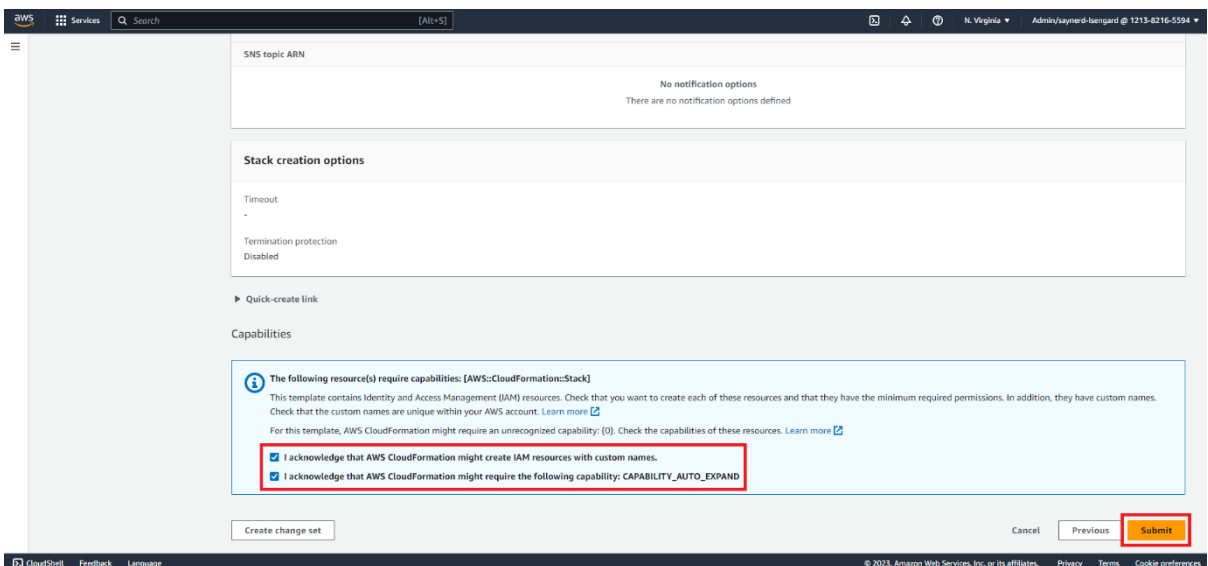
Bundle Specific Details  
AWSDistributorName  
Partner Name  
AcmeCorp

ReportingEnabled  
Allow AWS to collect basic usage metrics about this deployment  
true

Cancel Previous **Next**

8. In the “Configuration Stack Option” click “Next”.

9. In the “Review Page” make sure that you allow the template to create custom IAM resources and then click “Submit”.



SNS topic ARN  
No notification options  
There are no notification options defined

Stack creation options  
Timeout  
-  
Termination protection  
Disabled

Quick-create link

Capabilities

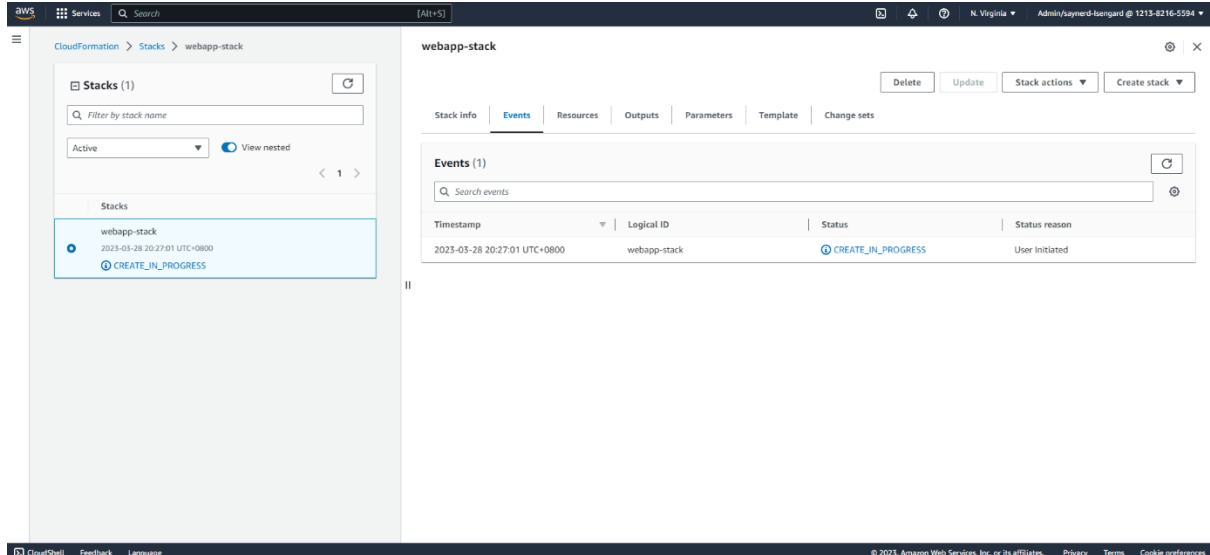
The following resource(s) require capabilities: [AWS::CloudFormation::Stack]  
This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

For this template, AWS CloudFormation might require an unrecognized capability: {}. Check the capabilities of these resources. [Learn more](#)

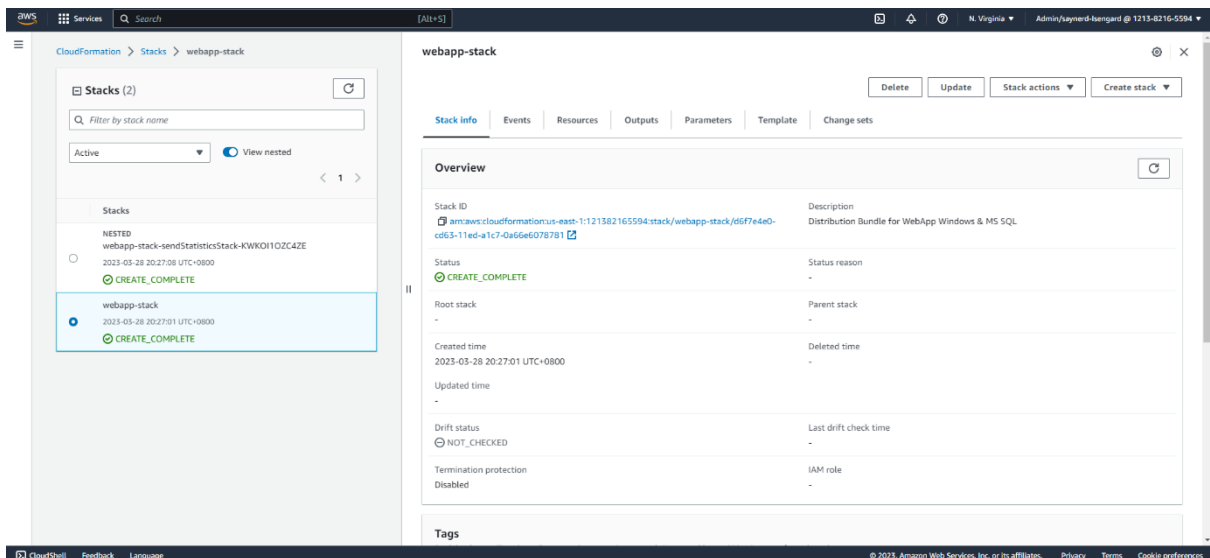
I acknowledge that AWS CloudFormation might create IAM resources with custom names.  
 I acknowledge that AWS CloudFormation might require the following capability: CAPABILITY\_AUTO\_EXPAND

Create change set Cancel Previous **Submit**

10. Once submitted you will see the template being deployed.

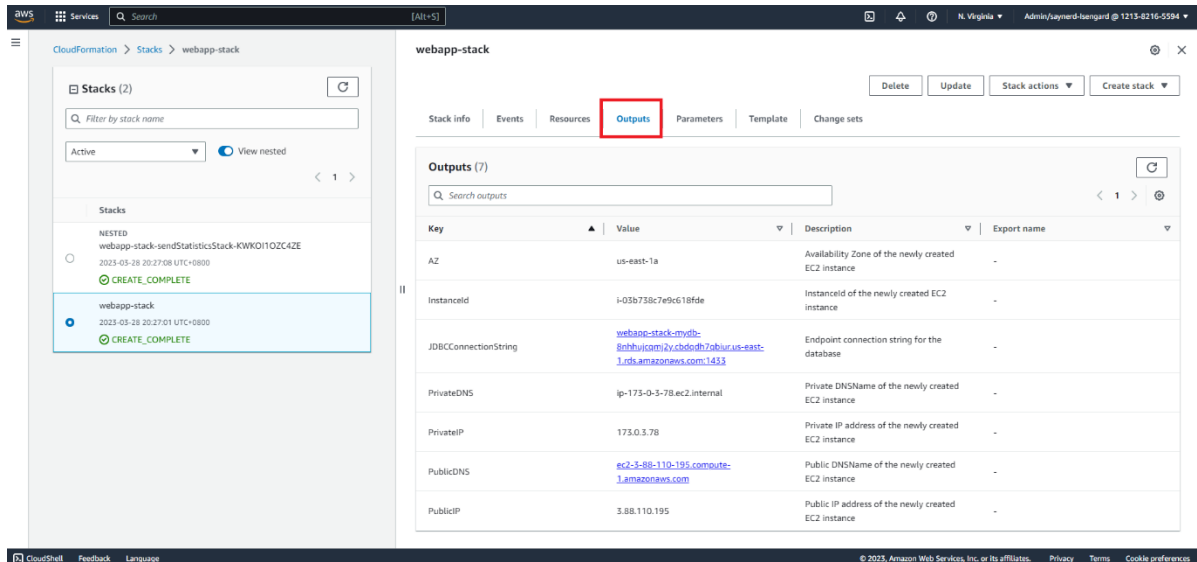


11. Wait for all the resources to be created. Press the refresh button on the top right until the stack creation is complete.



12. The created stack should look like this. All the resources have now been created and deployed.

### 13. Click on the “Outputs” tab to retrieve the information of WebApp Server and MS SQL Database



## Summary

This implementation guide provides basic details on launching AWS WebApp Windows Bundle.

Have a question?

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