Deploying WCS with CloudFormation

Overview

AWS CloudFormation allows to deploy cloud instances stacks by a certain template. Thus, a simple WCS CDN can be deployed for example. In this case, WCS update to the latest build and instance setup can be made with `UserData` scripts.

CloudFormation template example to deploy CDN

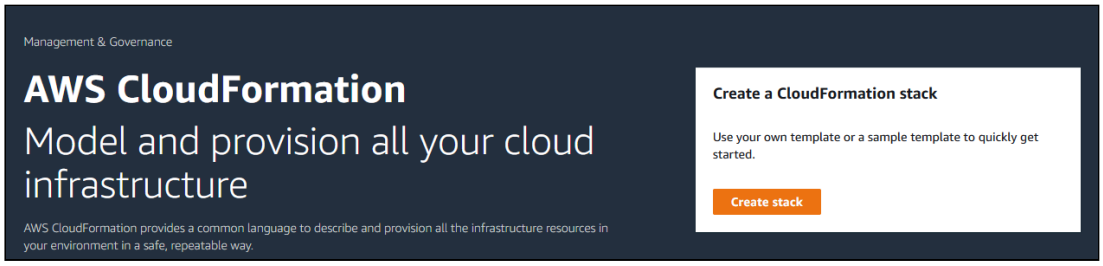
Below, there is the CloudFormation template example to deploy a simplest CDN of two WCS instances: Origin and Edge. The template alllows:

- to choose WCS AMI from AWS Marketplace, or Amazon Linux 2, Ubuntu 18.04 and other supported OS AMI as basic image
- to install Java 14 if necessary
- to install or update WCS to the lates build if necessary

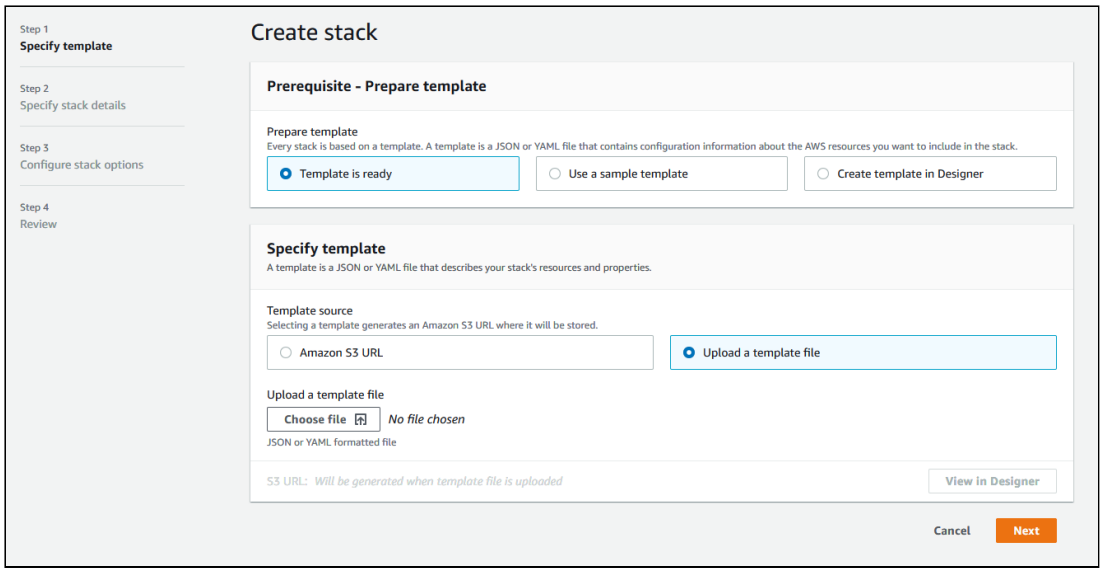
CloudFormation example template to deploy WCS CDN of one Origin and one Edge

WCS CDN deployment example using CloudFormation web console

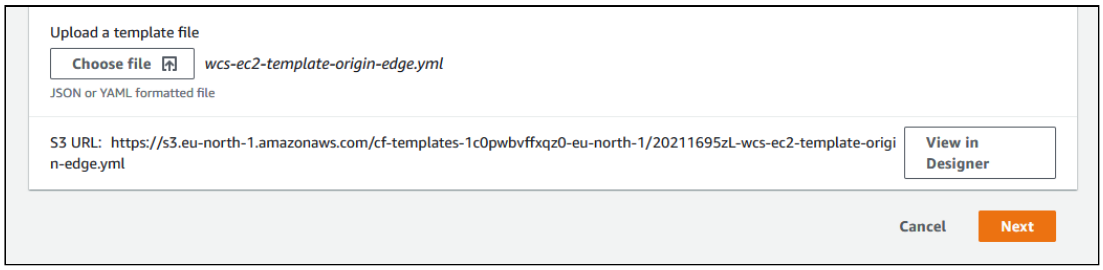
1. Sign in to your AWS account, go to desired region and open `CloudFormation` in `Services` menu. Click `Create Stack`



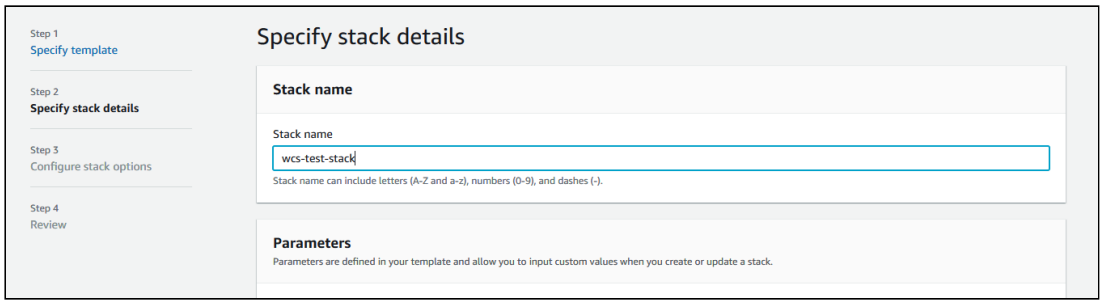
2. Choose `Upload a template file`, click `Choose file` and upload the example template



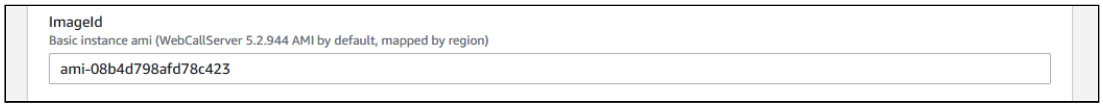
3. When template is uploaded, click `Next`



4. Enter stack name

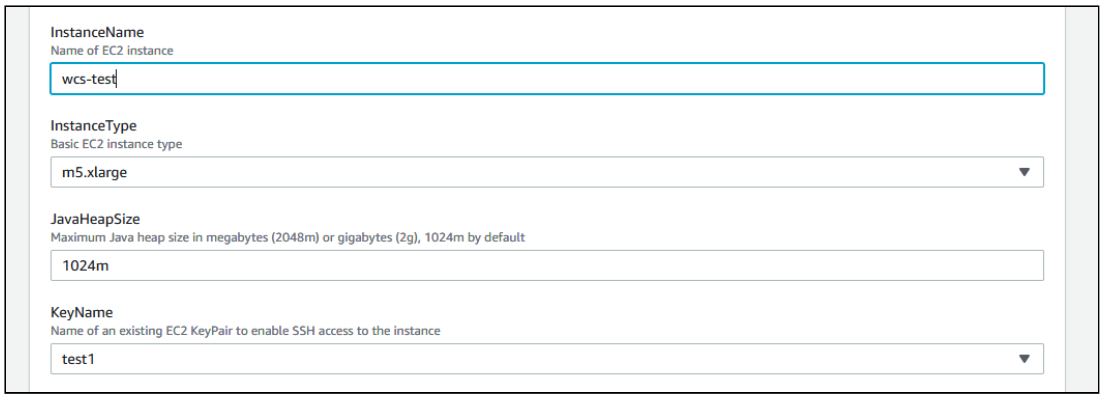


5. Enter Amazon Linux 2 AMI ID for region chosen, or leave WCSAMI (in this case, AWS Marketplace WCS AMI will be used with hourly billing)

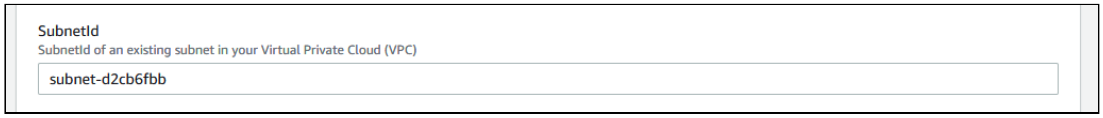


6. Enter basic part of instance name (`-origin` and `-edge` will be added respectively), choose instance type, enter Java heap size and choose SSH key to access stack

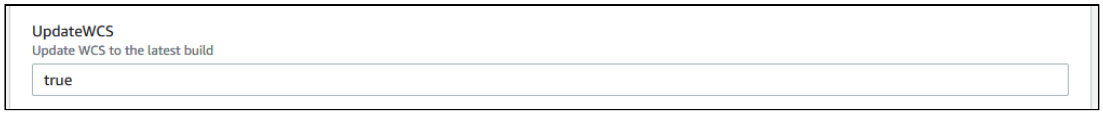
instances



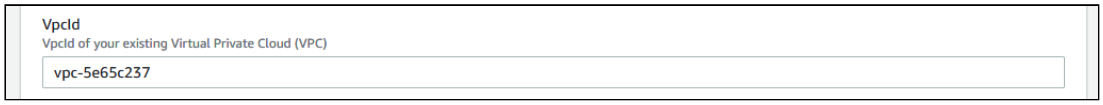
7. Set subnet Id



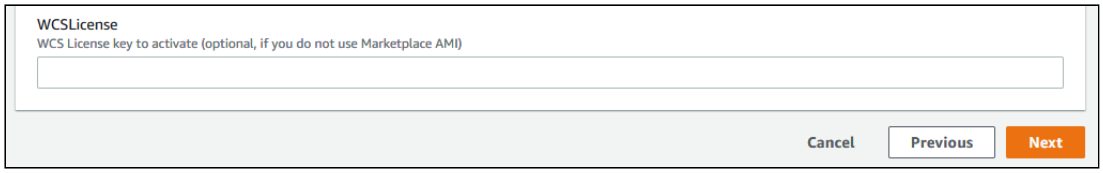
8. Enter `true` to automatically update WCS to the latest build



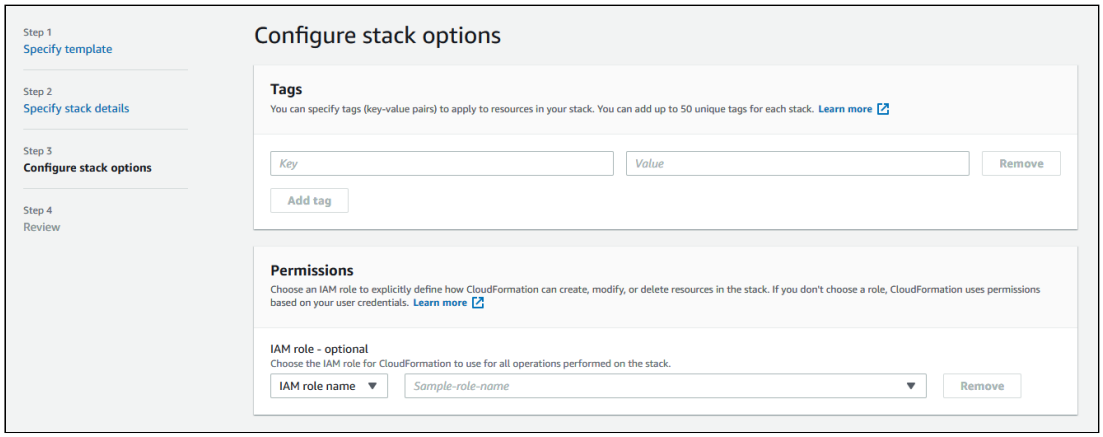
9. Set VPC Id



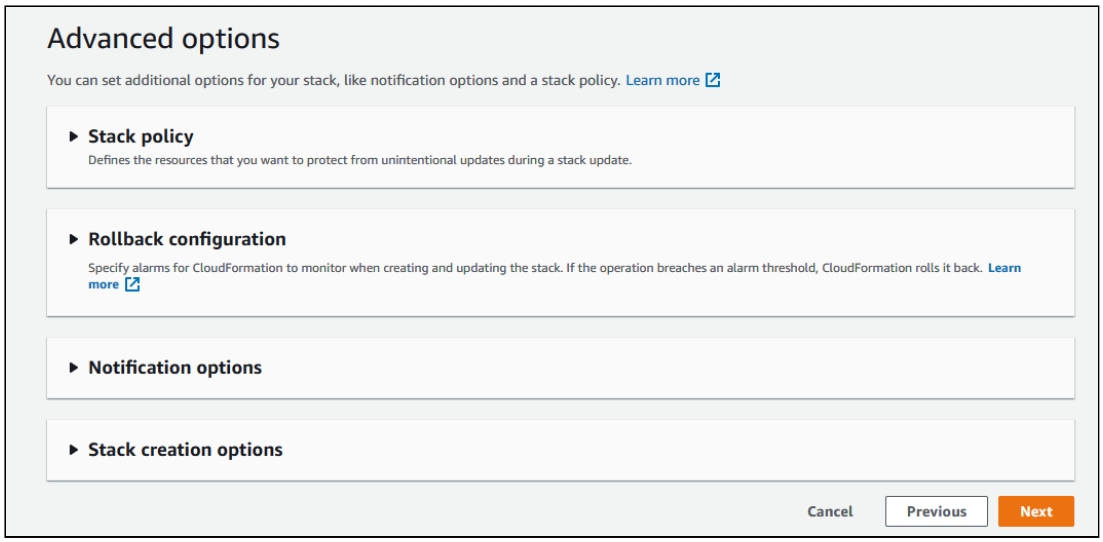
10. If Marketplace WCS AMI is not used, enter the license key to activate on instances and click `Next`



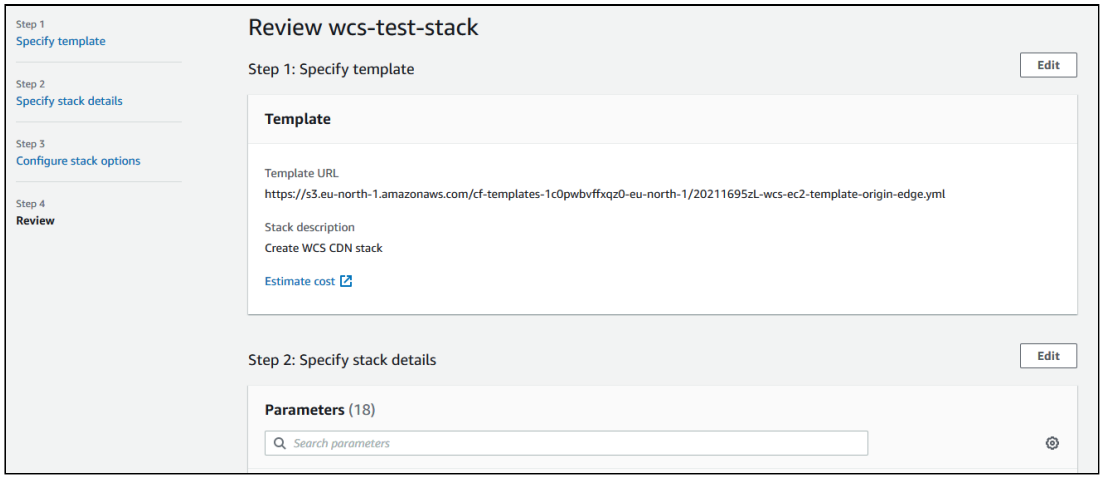
11. Add tags and set permissions if necessary



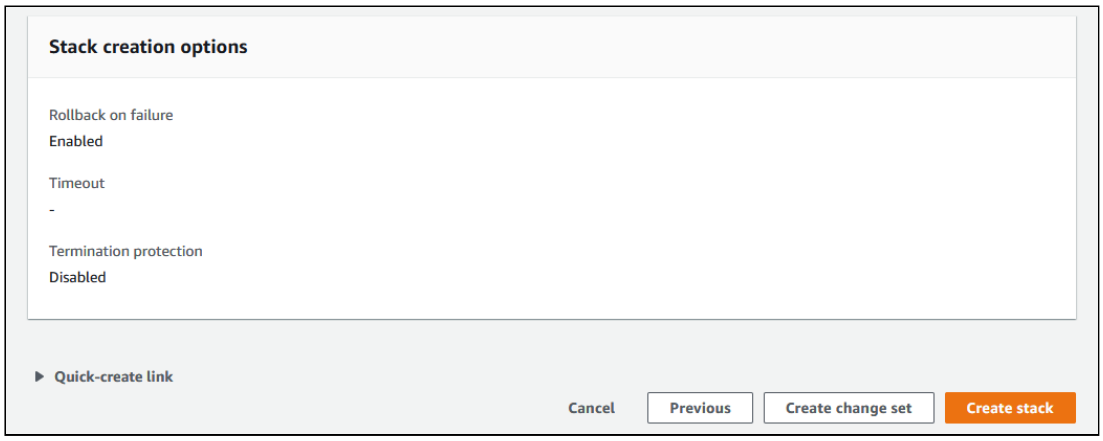
12. Set advanced stack options if necessary, then click `Next`



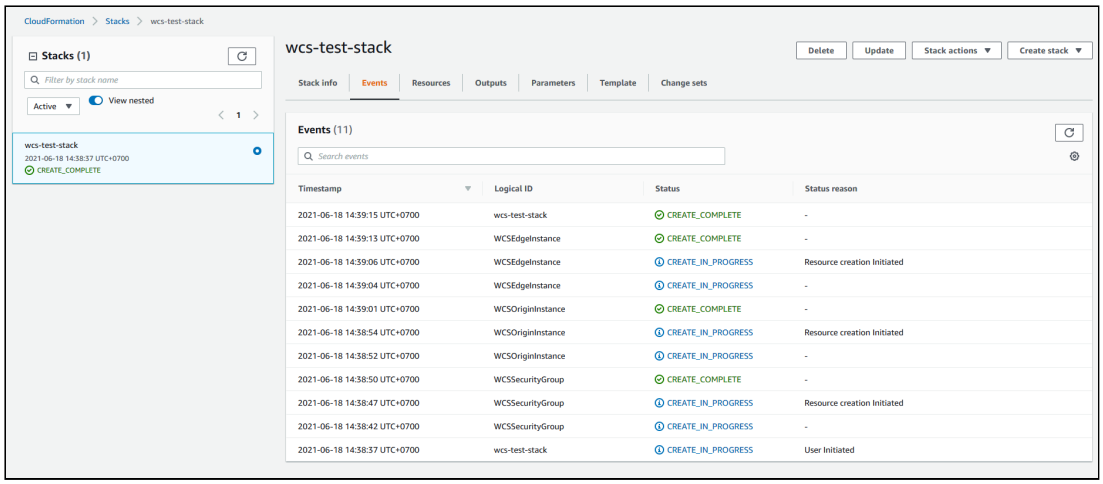
13. Review stack parameters



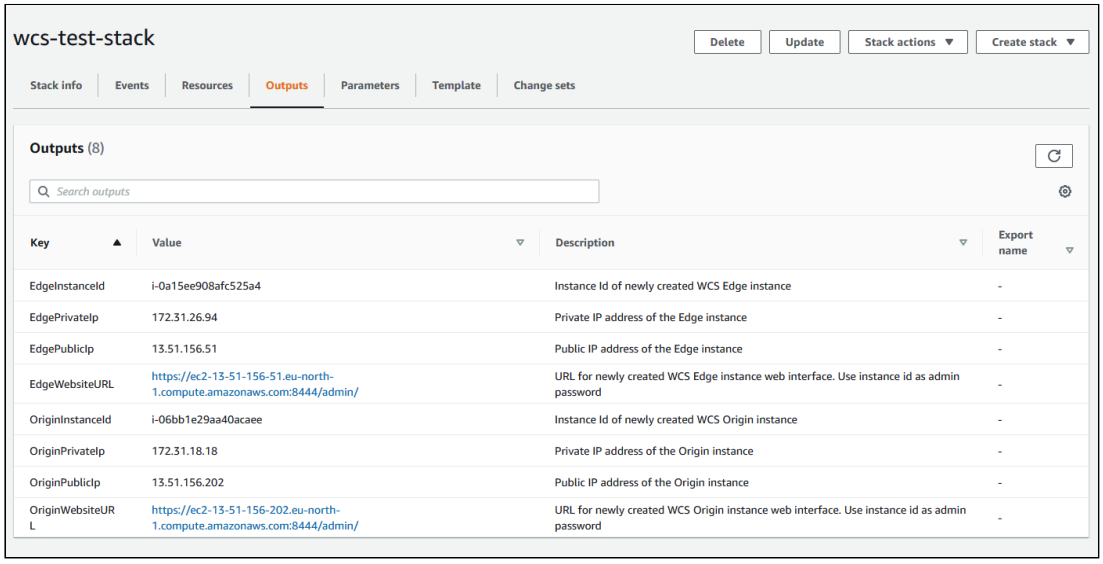
14. Click `Create stack`



15. Wait for stack creation completion



16. Go to `Outputs` tab



17. Open Origin and Edge web interfaces, publish the stream `test` to Origin using Two Way Streaming example, then play the stream on Edge