- 1. Start a EC2 Instance with Parameter KEY NAME, VPC, Subnet using Cloudformation Template.
- 2. Install Nginx in EC2 and put it in a ASG.
- i) First by Userdata
- ii) By Metadata
- 3. Create a Sample Index file and copy this file using MetaData into EC2 Instance
- 4. Changing the content of Index should reload the nginx config automatically in EC2 Instance
- 5. Perform ASG Rolling Update with the change in UserData in above Cloudformation Template

Cloudformation Tasks (Hint: use cloudformation:: init and cfn-hup)

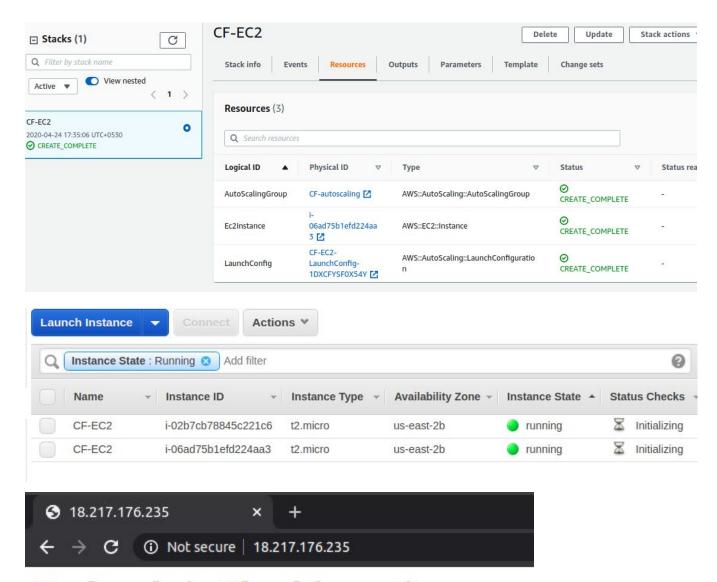
## **REFERENCE:**

https://github.com/awslabs/aws-cloudformation-templates/blob/master/aws/service s/AutoScaling/AutoScalingRollingUpdates.yaml

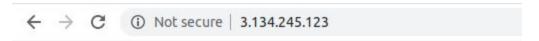
Look Instance.yml given for cloud formation refrence

```
updateHostsFile:
| commands:
| reload_nginx:
| command: nginx -s reload
```

```
#AUTOSCALING CONFIGURATION
   Type: AWS::AutoScaling::AutoScalingGroup
   Properties:
     AutoScalingGroupName: CF-autoscaling
     LaunchConfigurationName: !Ref 'LaunchConfig'
        - us-east-2b
        - us-east-2a
     MaxSize: 2
     DesiredCapacity: 1
     Tags:
      - Key: Name
        Value: CF-EC2
        PropagateAtLaunch: "true"
      - Key: Owner
        Value: Ayush
        PropagateAtLaunch: "true"
   UpdatePolicy:
     AutoScalingRollingUpdate:
       MaxBatchSize: '1'
        PauseTime: PT15M
        WaitOnResourceSignals: 'true'
```



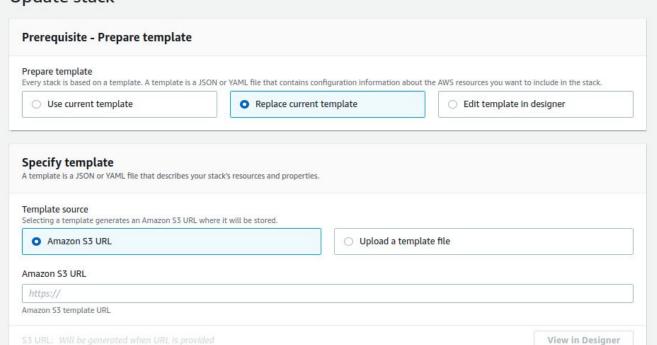
**Deployed via Cloud formation** 

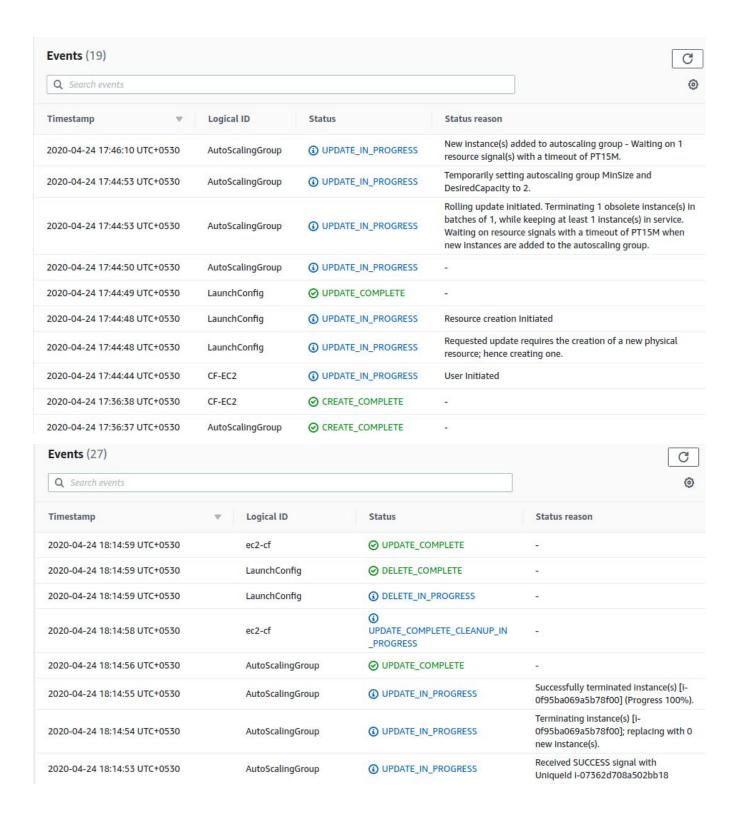


**Deployed via Cloud formation** 

## Updating userdata for update rolling

## Update stack





## Deployed via Cloud formation updated