

# **Dynamic Scaling and Notification and Automation**

# Today's Agenda

- ASG with Dynamic Scaling
- Simple Notification Service - SNS
- Custom VPC, Subnets and route table
- Introduction to YAML
- Introduction to CloudFormation
- CloudFormation Template and Stacks
- Automating EC2 Creation using CloudFormation



# ASG Scaling

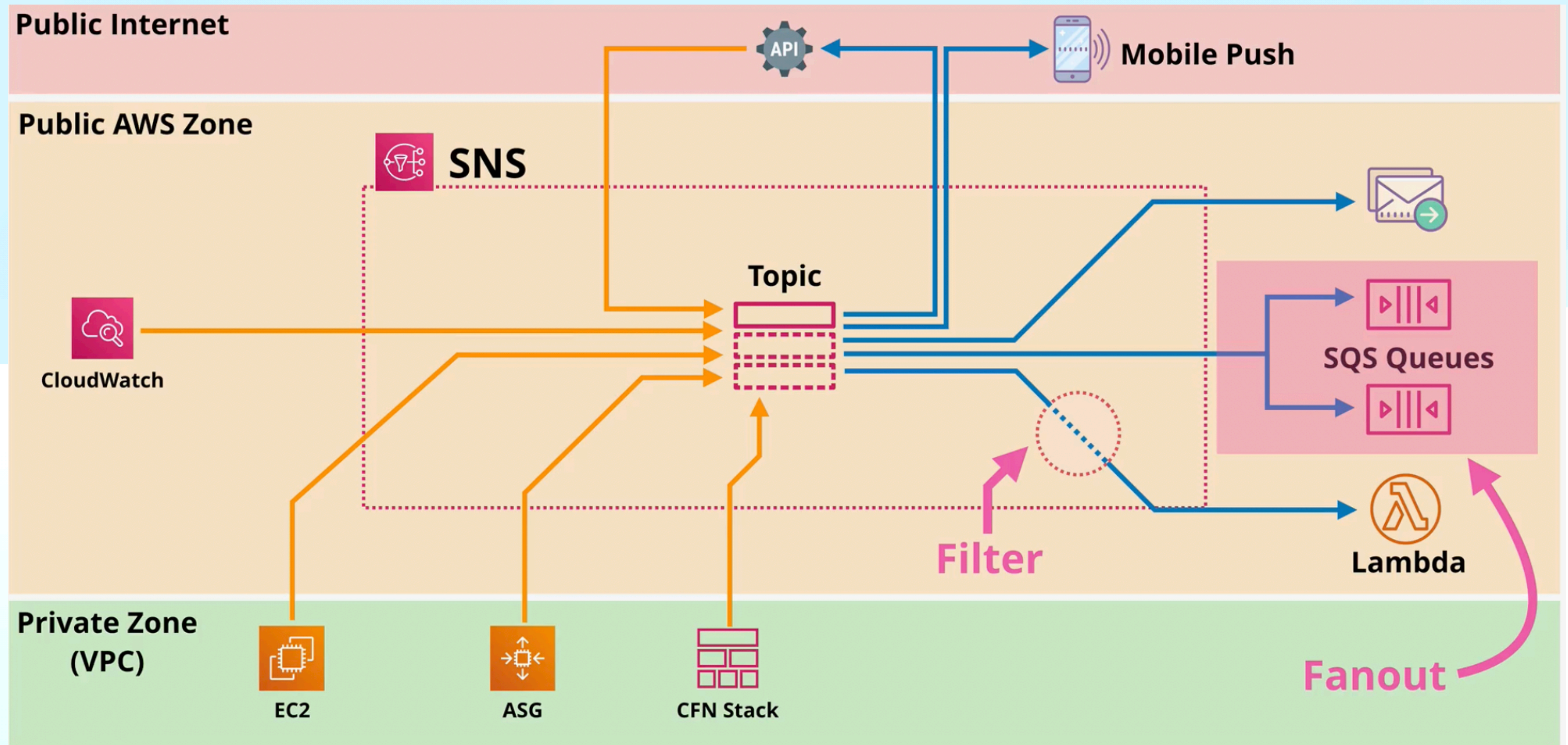
- Manual Scaling
- Simple Scaling
- Step Scaling
- Dynamic Scaling

# Simple Notification Service

- Public AWS Service
- Coordinates the sending and delivery messages
- Messages are  $\leq 256$  KB
- SNS Topics are the base components
- A publisher sends the message to Topic
- Topics have subscribers which receive messages
- Email, SQS, SMS Messages, Lambda, HTTPS
- SNS is used for most of the AWS notifications. Ex: CloudWatch



# SNS Architecture





# Introduction to YAML

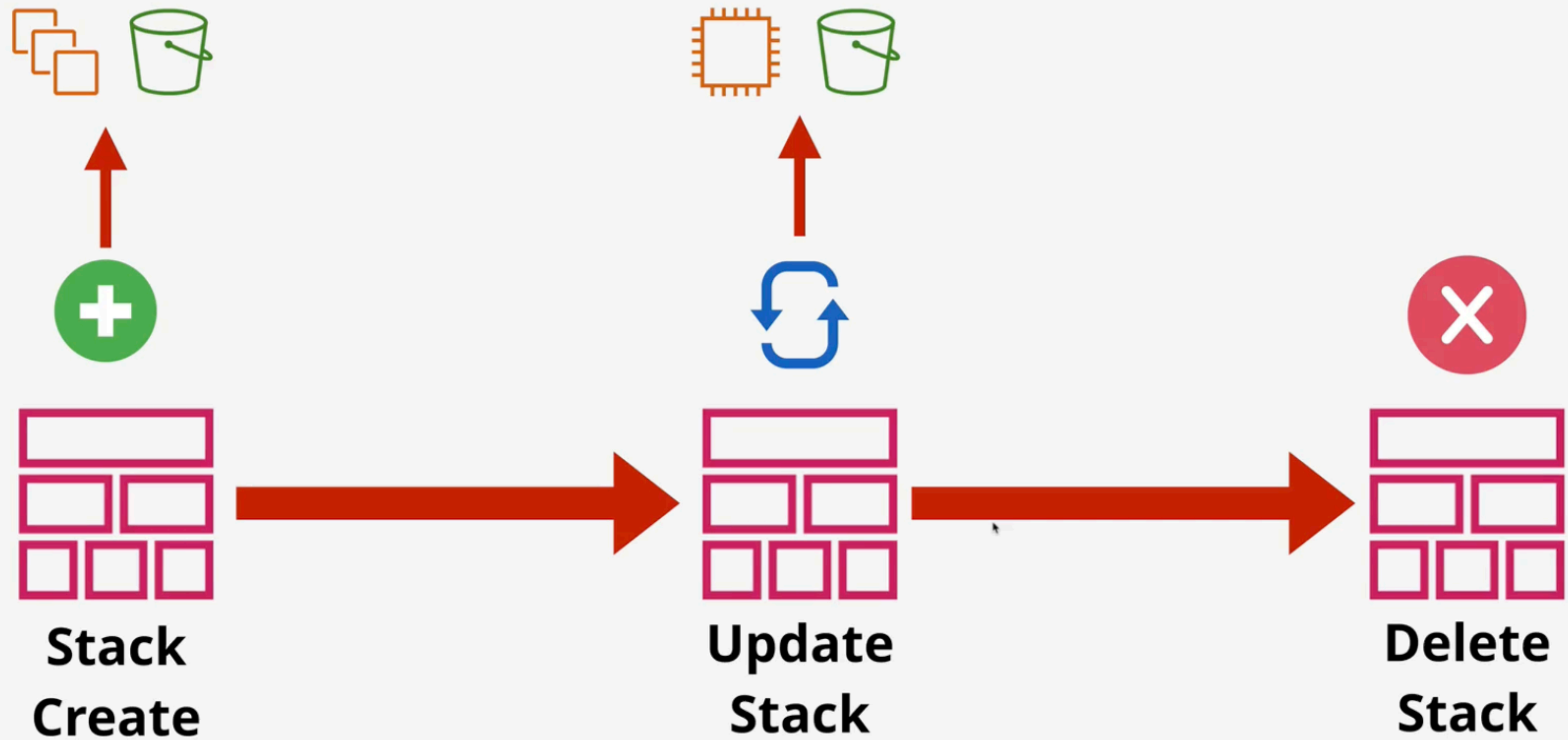
- YAML - YET ANOTHER MARKUP LANGUAGE
- A YAML template contains key:value pairs. Each Key has a Value
- YAML also supports numbers, floating point, boolean and null
- YAML supports Lists and Dictionary
- Indentation matters in YAML

# CloudFormation Template

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# CloudFormation Stacks





**QUIZ TIME**

# Q & A