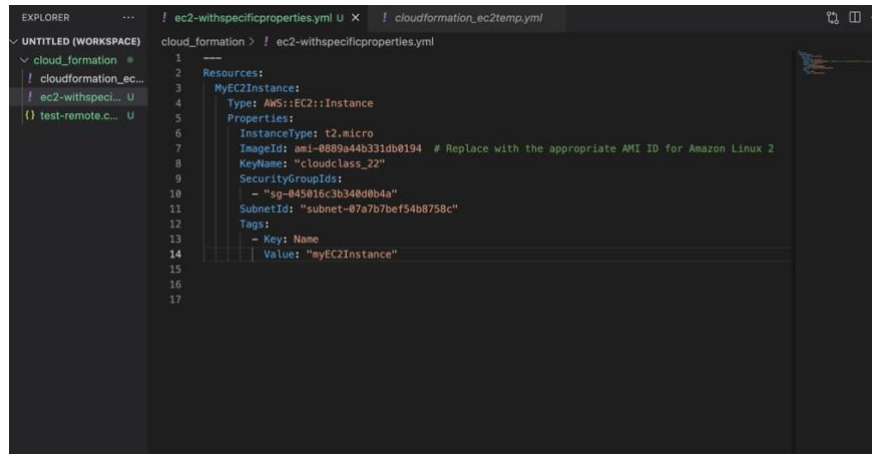


Create ec2 instance with giving properties



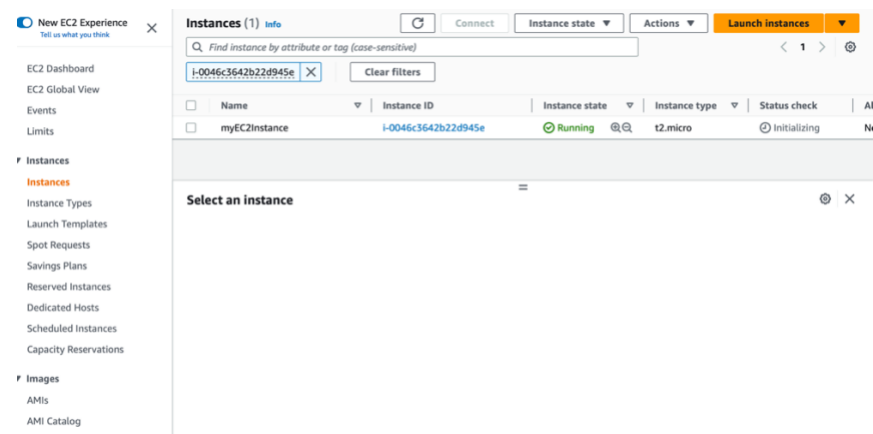
```
1 ---
2 Resources:
3   MyEC2Instances:
4     Type: AWS::EC2::Instance
5     Properties:
6       InstanceType: t2.micro
7       ImageId: ami-0889a44b331db0194 # Replace with the appropriate AMI ID for Amazon Linux 2
8       KeyName: "cloudclass_22"
9       SecurityGroupIds:
10        - "sg-045016c3b3400b4a"
11       SubnetId: "subnet-07a7b7bef54b0758c"
12       Tags:
13        - Key: Name
14          Value: "myEC2Instance"
15
16
17
```

ec2-templatewithSG

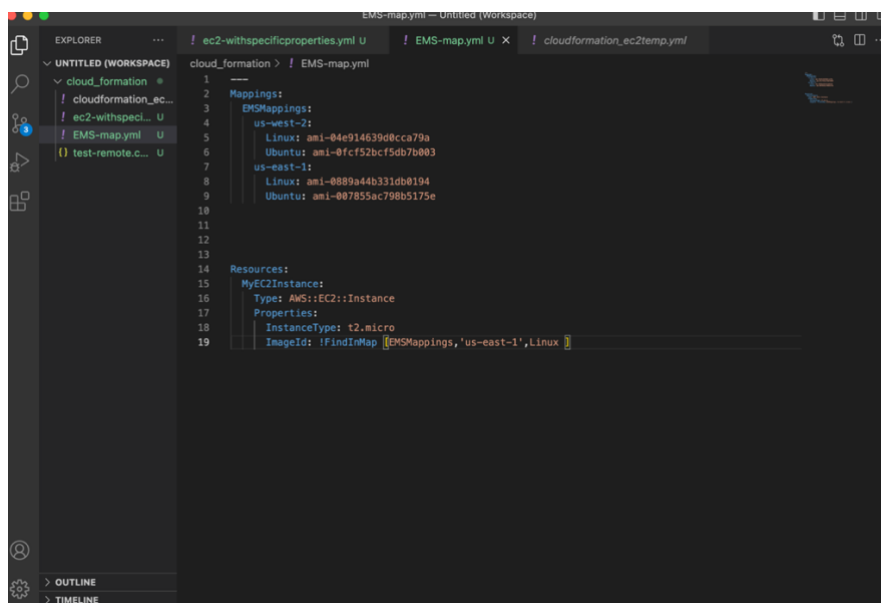
Delete Update Stack actions Create stack

Stack info Events **Resources** Outputs Parameters Template Change sets

Logical ID	Physical ID	Type	Status
MyEC2Instance	i-0046c3642b22d945e	AWS::EC2::Instance	CREATE_COMPLETE



Mapping template: Make our template dynamic.



CloudFormation > Stacks > ec2-Mapping-stak

Stacks (2)

Filter by stack name

Active View nested

Stacks

- ec2-Mapping-stak
2023-05-11 02:24:35 UTC-0400
CREATE_COMPLETE
- ec2-templatewithSG
2023-05-10 22:38:36 UTC-0400
CREATE_COMPLETE

ec2-Mapping-stak

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template Change sets

Events (5)

Search events

Timestamp	Logical ID	Status	Status reason
2023-05-11 02:25:12 UTC-0400	ec2-Mapping-stak	CREATE_COMPLETE	-
2023-05-11 02:25:11 UTC-0400	MyEC2Instance	CREATE_COMPLETE	-
2023-05-11 02:24:39 UTC-0400	MyEC2Instance	CREATE_IN_PROGRESS	Resource creation Initiated
2023-05-11 02:24:38 UTC-0400	MyEC2Instance	CREATE_IN_PROGRESS	-
2023-05-11 02:24:35 UTC-0400	ec2-Mapping-stak	CREATE_IN_PROGRESS	User Initiated

Edit the AMI ID to verify tha dynamism

```
cloud_formation > EMS-map.yml
1 ---
2 Mappings:
3   EMSMappings:
4     us-west-2:
5       Linux: ami-04e914639d8cca79a
6       Ubuntu: ami-0fcf52bcf5db7b003
7     us-east-1:
8       Linux: ami-0809a44b331db0194
9       Ubuntu: ami-007855ac798b5175e
10
11
12
13
14 Resources:
15   MyEC2Instance:
16     Type: AWS::EC2::Instance
17     Properties:
18       InstanceType: t2.micro
19       ImageId: !FindInMap [EMSMappings,'us-east-1',Ubuntu]
20       Tags:
21         - Key: Name
22           Value: "mappingubntuec2"
```

Update our stack by using the editing template with new AMI ID

ec2-Mapping-stak

[Delete](#)[Update](#)[Stack actions ▼](#)[Create stack ▼](#)[Stack info](#)[Events](#)[Resources](#)[Outputs](#)[Parameters](#)[Template](#)[Change sets](#)

Events (10)



Timestamp ▼	Logical ID	Status	Status reason
2023-05-11 02:37:34 UTC-0400	ec2-Mapping-stak	✔ UPDATE_COMPLETE	-
2023-05-11 02:37:33 UTC-0400	ec2-Mapping-stak	ⓘ UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	-
2023-05-11 02:37:32 UTC-0400	MyEC2Instance	✔ UPDATE_COMPLETE	-
2023-05-11 02:37:16 UTC-0400	MyEC2Instance	ⓘ UPDATE_IN_PROGRESS	-
2023-05-11 02:37:13 UTC-0400	ec2-Mapping-stak	ⓘ UPDATE_IN_PROGRESS	User Initiated
2023-05-11 02:25:12 UTC-0400	ec2-Mapping-stak	✔ CREATE_COMPLETE	-

Updating success! Ec2 instant has been creted



- EC2 Dashboard
- EC2 Global View
- Events
- Limits
- Instances
 - Instances**
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Scheduled Instances
 - Capacity Reservations
- Images
 - AMIs
 - AMI Catalog

Instances (2) Info

Connect

Instance state ▼

Actions ▼

Launch instances

▼

Find instance by attribute or tag (case-sensitive)

< 1 >

<input type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	At
<input type="checkbox"/>	myEC2Instance	i-0046c3642b22d945e	Stopped	t2.micro	-	Ne
<input type="checkbox"/>	Mappingubuntu-ec2	i-0927ee5ffa7271891	Running	t2.micro	2/2 checks passed	Ne

Select an instance

=