

Methodology of the Lab 9

Task 1: Create an SNS Topic

SNS dashboard

Building a mobile app? Try [AWS Mobile Hub](#).

Common actions

- Create topic**
Create a communication channel to send messages and subscribe to notifications.
- Create platform application**
Create a platform application for mobile devices.
- Create subscription**
Subscribe an endpoint to a topic to receive messages published to that topic.
- Publish message**
Publish a message to a topic or as a direct publish to a platform endpoint.
- Publish text message (SMS)**
Publish a text message to a phone number.

Resources

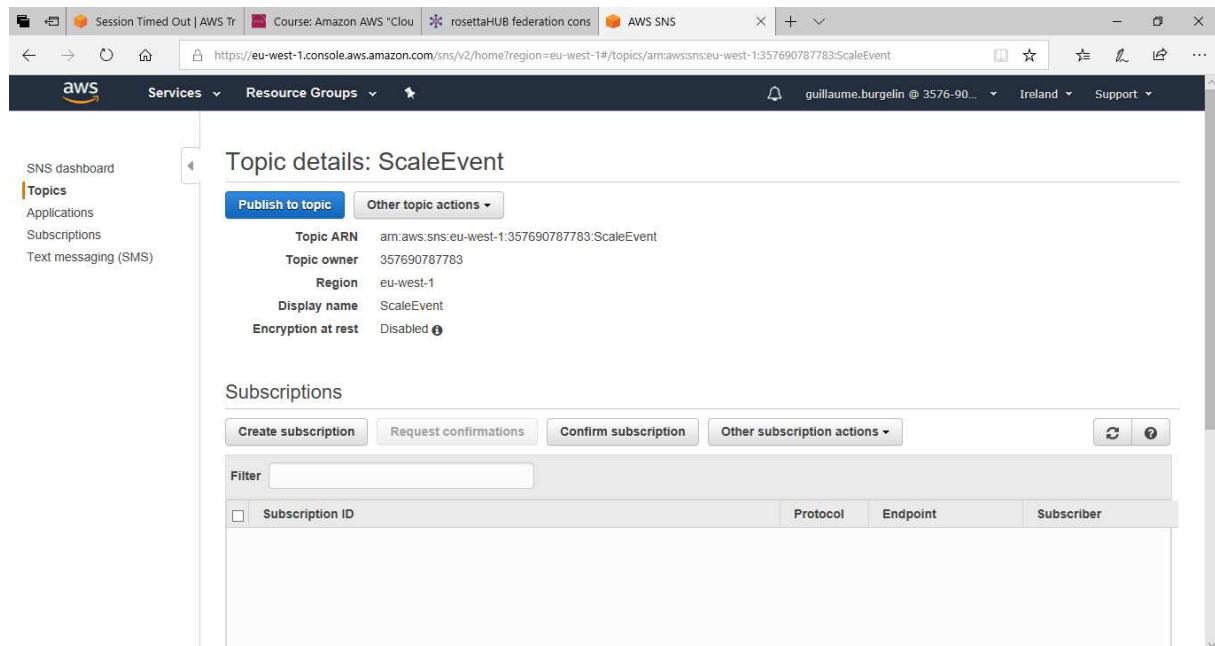
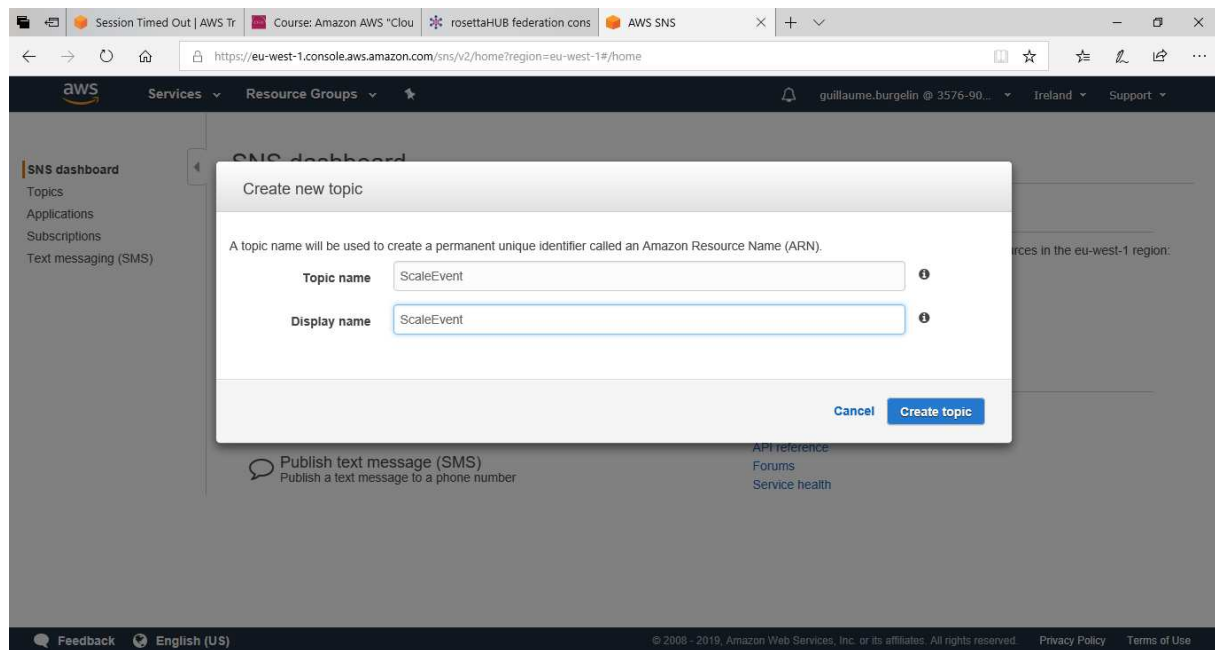
You are using the following Amazon SNS resources in the eu-west-1 region:

Resource	Count
Topic	2
Subscriptions	2
Applications	0
Endpoints	0

More info

- [Getting started](#)
- [Documentation](#)
- [API reference](#)
- [Forums](#)
- [Service health](#)

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Task 2: Configure Auto Scaling to Send Events

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https://eu-west-1.console.aws.amazon.com/ec2/autoscaling/home?region=eu-west-1#AutoScalingGroups

aws Services Resource Groups guillaume.burgelin @ 3576-90... Ireland Support

EC2 Dashboard
Events
Tags
Reports
Limits

INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity
Reservations

IMAGES
AMIs
Bundle Tasks

ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager

Welcome to Auto Scaling


You can use Auto Scaling to manage Amazon EC2 capacity automatically, maintain the right number of instances for your application, operate a healthy group of instances, and scale it according to your needs.
[Learn more](#)

[Create Auto Scaling group](#)

Note: To create your Auto Scaling groups in a different region, select your region from the navigation bar.


Benefits of Auto Scaling

Automated Provisioning




Keep your Auto Scaling group healthy and balanced, whether you need one instance or 1,000.
[Learn more](#)

Adjustable Capacity



Maintain a fixed group size or adjust dynamically based on Amazon CloudWatch metrics.
[Learn more](#)

Launch Template Support



Provision instances easily using EC2 Launch Templates.
[Learn more](#)

Additional Information

- [Getting Started Guide](#)
- [Documentation](#)
- [All EC2 Resources](#)
- [Forums](#)
- [Pricing](#)
- [Contact Us](#)

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https://eu-west-1.console.aws.amazon.com/ec2/autoscaling/home?region=eu-west-1#CreateAutoScalingGroups:source=

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Create Auto Scaling Group

[Cancel and Exit](#)

☒ **Launch Configuration**

You can continue to use your launch configurations if they support the Amazon EC2 features you need. [Learn more](#)

☐ **Launch Template** New

Launch templates give you the option of launching one type of instance, or a combination of instance types and purchase options. Launch templates include the latest Amazon EC2 features and can be updated and versioned.
[Learn more](#)
[Create new launch template](#)

☐ Create a new launch configuration

☒ Use an existing launch configuration

Filter launch configurations... X

< 1 to 1 of 1 Launch Configurations >

Name	AMI ID	Instance Type	Spot Price	Security Groups
LB Public Website	ami-02a4d52588d28ace8	t2.micro		sg-06e54450727d83573

[Cancel](#) [Next Step](#)

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https://eu-west-1.console.aws.amazon.com/ec2/autoscaling/home?region=eu-west-1#CreateAutoScalingGroups:source=lc&launchConfigurationName=U

aws

Services v

Resource Groups v

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Ireland v

Support v

1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

Cancel and Exit

No default subnet found

Please choose another subnet in your default VPC, or choose another VPC.

Don't show me this again

Group name ⓘ

Launch Configuration ⓘ

Group size ⓘ

Network ⓘ

Subnet ⓘ

Project Autoscaling

LB Public Website

Start with 2 instances

vpc-0e1706664b253eac5 (100.0.0.0/16) | LabVPC

Create new VPC

subnet-0aef7aa3934dc97cf (100.0.1.0/24) | LabPublicSubnet 1 | eu-west-1a

subnet-0a7915f103e1c0e0f (100.0.2.0/24) | LabPublicSubnet 2 | eu-west-1b

Create new subnet

No public IP addresses will be assigned

None of the instances in this Auto Scaling group will be assigned a public IP address because

Cancel

Next: Configure scaling policies

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1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

You can optionally add scaling policies if you want to adjust the size (number of instances) of your group automatically. A scaling policy is a set of instructions for making such adjustments in response to an Amazon CloudWatch alarm that you assign to it. In each policy, you can choose to add or remove a specific number of instances or a percentage of the existing group size, or you can set the group to an exact size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. [Learn more](#) about scaling policies.

☒ Keep this group at its initial size

☐ Use scaling policies to adjust the capacity of this group

Cancel

Previous

Review

Next: Configure Notifications

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1. Configure Auto Scaling group details2. Configure scaling policies3. Configure Notifications4. Configure Tags5. Review

Create Auto Scaling Group

Configure your Auto Scaling group to send notifications to a specified endpoint, such as an email address, whenever a specified event takes place, including: successful launch of an instance, failed instance launch, instance termination, and failed instance termination.

If you created a new topic, check your email for a confirmation message and click the included link to confirm your subscription. Notifications can only be sent to confirmed addresses.

Send a notification to: ScaleEvent create topic X

Whenever instances: ☒ launch☐ terminate☐ fail to launch☐ fail to terminate

Add notification

Cancel Previous Review Next: Configure Tags

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Create Auto Scaling Group

A tag consists of a case sensitive key-value pair that you can use to identify your group. For example, you could define a tag with Key = Environment and Value = Production. You can optionally choose to apply these tags to instances in the group when they launch. [Learn more.](#)

Key	Value	Tag New Instances ⓘ
Name	Autoscaling	<input checked="" type="checkbox"/>

Add tag 49 remaining

Cancel Previous Review

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1. Configure Auto Scaling group details

2. Configure scaling policies

3. Configure Notifications

4. Configure Tags

5. Review

Create Auto Scaling Group

Please review your Auto Scaling group details. You can go back to edit changes for each section. Click **Create Auto Scaling group** to complete the creation of an Auto Scaling group.

Auto Scaling Group Details

Edit details

Group name	Project Autoscaling
Group size	2
Minimum Group Size	2
Maximum Group Size	2
Subnet(s)	subnet-0aef7aa3934dc97cf,subnet-0a7915f103e1c0e0f
Health Check Grace Period	300
Detailed Monitoring	No
Instance Protection	None
Service-Linked Role	AWSServiceRoleForAutoScaling

Scaling Policies

Edit scaling policies

Notifications

Edit notifications

ScaleEvent	launch
------------	--------

Cancel

Previous

Create Auto Scaling group

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Auto Scaling group creation status

✓ Successfully created Auto Scaling group

View creation log

View

View your Auto Scaling groups

View your launch configurations

Here are some helpful resources to get you started

Close

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Services Resource Groups

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IMAGES
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Bundle Tasks

ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager

Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups...

1 to 1 of 1 Auto Scaling Groups

Auto Scaling Group: Project Autoscaling

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Launch Configuration LB Public Website

Desired Capacity 2

Min 2

Max 2

Availability Zone(s) eu-west-1b, eu-west-1a

Subnet(s) subnet-0aef7aa3934dc97cf, subnet-0a7915f103e1c0e0f

Classic Load Balancers

Target Groups

Health Check Type EC2

Health Check Grace Period 300

Instance Protection

Termination Policies Default

Suspended Processes

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Services Resource Groups

ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager

NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces

LOAD BALANCING
Load Balancers
Target Groups

AUTO SCALING
Launch Configurations
Auto Scaling Groups

SYSTEMS MANAGER
SERVICES
Run Command

Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups...

1 to 1 of 1 Auto Scaling Groups

Auto Scaling Group: Project Autoscaling

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Filter: Any Status Filter scaling history...

1 to 2 of 2 History Items

Status	Description	Start Time	End Time
Successful	Launching a new EC2 instance: i-09e85ecc9cd89761c	2019 January 2 18:06:33 UTC+1	2019 January 2 18:07:06 UTC+1
Successful	Launching a new EC2 instance: i-00fe4c8c08f61551e	2019 January 2 18:06:33 UTC+1	2019 January 2 18:07:05 UTC+1

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The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo and various service links. The left-hand navigation pane is expanded to show the 'INSTANCES' section. The main content area, titled 'Launch Instance', features a search bar and a table of existing instances. The table contains two entries, both labeled 'Autoscaling', with their respective Instance IDs, Instance Types (t2.micro), Availability Zones (eu-west-1a and eu-west-1b), and Instance States (running). Below the table, there is a section for 'Select an instance above'. The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information.

Task 3: Create an IAM Role for the Lambda function

The screenshot shows the RosettaHub Federation dashboard. The left sidebar contains navigation links for 'Overview', 'ALLOWANCE', 'AWS', 'SCHEDULING', 'SOCIAL', 'MY ACCOUNT', and 'SUPPORT'. The main area is titled 'My Details' and shows information for 'Guillaume Burgelin' at 'Data ScienceTech Institute'. It includes a 'Go To AWS Console' button, a 'Limit+ Spot+ Docs' section, and a 'Managers' section. The 'Budget' section shows a spent amount of \$30.52 and a remaining amount of \$74.48. The 'Virtual Labs / Workspaces' section displays a grid of available virtual labs, including 'AWS Deep Learning', 'CentOS 7.0 VLab', 'Debian 9 VLab', 'FPGA VLab', 'Ubuntu 16.04 VLab', 'Ubuntu 18.04 VLab', and 'Windows Server 2016 VLab'. The bottom of the dashboard features a 'Big Data and HPC Labs' section with a 'Create' button and a search bar.

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https://www.rosettahub.com/console/Federation.aspx#FederatedRole

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Overview

Actions Create

Filter by Any Search Iam Role Limit to 100 Total Number: 6

	Role Name	Label	Arn	Role Policy	Trust Policy	Custom	Creation Time	Desc
<input type="checkbox"/>	FullAccessRole	S3 and CloudWatch Access Role	arn:aws:iam::357690787783:role/FullAccessRole	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Action": "*", "Resource": "*" }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Wed Dec 12 2018 14:03:22 GMT+0100 (Europe de l'Ouest)	

Select one iam role to view its full description

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https://www.rosettahub.com/console/Federation.aspx#FederatedRole

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Overview

Actions Create

Filter by Any Search Iam Role Limit to 100 Total Number: 6

	Role Name	Label	Arn	Role Policy	Trust Policy	Custom	Creation Time	Desc
<input type="checkbox"/>	LambdaS3Trigger2				{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "lambda.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Thu Dec 13 2018 11:03:29 GMT+0100 (Europe de l'Ouest)	
<input type="checkbox"/>	LambdaS3Trigger				{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "lambda.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Wed Dec 12 2018 14:30:29 GMT+0100 (Europe de l'Ouest)	
<input type="checkbox"/>	FullAccessRole4			{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Wed Dec 12 2018 14:24:45 GMT+0100 (Europe de l'Ouest)	
<input type="checkbox"/>	FullAccessRole3			{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Wed Dec 12 2018 14:23:53 GMT+0100 (Europe de l'Ouest)	
<input type="checkbox"/>	FullAccessRole2			{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": { "Service": "autoscaling.amazonaws.com", "Action": "sts:AssumeRole" } }] }	False	Wed Dec 12 2018 14:03:52 GMT+0100 (Europe de l'Ouest)	

Select one iam role to view its full description

Create Iam Role

Role Name: Snap_and_Tag

Label: Allows Lambda functions to call AWS services on my behalf

AWS Service: lambda

Role Policy: AmazonEC2FullAccess

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Action": "ec2:*",
6       "Effect": "Allow",
7       "Resource": "*"
8     },
9     {
10      "Effect": "Allow",
11      "Action": "elasticloadbalancing:*",
12      "Resource": "*"
13    }
14  ]
15 }
```

Create Cancel

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https://www.rosettahub.com/console/Federation.aspx#FederatedRole=any=

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Overview

ALLOWANCE

- AWS
 - EMR Clusters
 - EC2 Machines
 - AWS Artifacts
 - S3 Buckets
 - IAM Users
 - IAM Roles**
- SCHEDULING
- SOCIAL
- MY ACCOUNT
- SUPPORT

Actions Create

Filter by Any Search iam Role Limit to 100 Total Number: 2

<input type="checkbox"/>	Role Name	Label	Arn	Role Policy	Trust Policy	Custom	Creation Time
<input type="checkbox"/>	Snap_and_Tag	Allows Lambda functions to call AWS services on my behalf	arn:aws:iam::357690787783:role/Snap_and_Tag	{ "Version": "2012-10-17", "Statement": [{ "Action": ["ec2:*"], "Effect": "Allow", "Resource": "*" }, { "Effect": "Allow", "Action": ["elasticloadbalancing:*"], "Resource": "*" }, { "Effect": "Allow", "Action": ["cloudwatch:*"], "Resource": "*" }, { "Effect": "Allow", "Action": ["autoscaling:*"], "Resource": "*" }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": "AWS", "Action": "sts:AssumeRole" }] }	False	Wed Jan 02 2019 17:15:43 GMT+0100 (Europe de l'Ouest)
<input type="checkbox"/>	LambdaS3Trigger2	LambdaS3Trigger2	arn:aws:iam::357690787783:role/LambdaS3Trigger2	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Action": "s3:*", "Resource": "*" }] }	{ "Version": "2012-10-17", "Statement": [{ "Effect": "Allow", "Principal": "Lambda", "Action": "sts:AssumeRole" }] }	False	Thu Dec 13 2018 11:03:29 GMT+0100 (Europe de l'Ouest)

Select one iam role to view its full description

Task 4: Create a Lambda Function

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https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions

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AWS Lambda X

Dashboard Applications **Functions** Layers

Lambda > Functions

✔ Your Lambda function "Lambda-S3-Trigger2" was successfully deleted.

Functions (2) Actions Create function

Filter by tags and attributes or search by keyword

	Function name	Description	Runtime	Code size	Last modified
<input type="radio"/>	lambdatest		Node.js 8.10	262 bytes	21 days ago
<input type="radio"/>	RosettaHubMonitoringLambda	RosettaHub Monitoring Lambda	Java 8	17.3 MB	3 months ago

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← → ↺ ⌂ https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/create



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Lambda > Functions > Create function

Create function

Author from scratch 
Start with a simple "hello world" example.


Blueprints 
Choose a preconfigured template as a starting point for your Lambda function.


AWS Serverless Application Repository 
Find and deploy serverless applications published by AWS, AWS partners, and other developers.


Author from scratch [Info](#)

Name

Runtime

You can select a supported AWS Lambda runtime or provide your own runtime as part of the function deployment package or Lambda layer after creating the function.

Node.js 8.10

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Author from scratch [Info](#)

Name

Runtime

You can select a supported AWS Lambda runtime or provide your own runtime as part of the function deployment package or Lambda layer after creating the function.

Python 3.7

Role

Defines the permissions of your function. Note that new roles may not be available for a few minutes after creation. [Learn more](#) about Lambda execution roles.

Choose an existing role

Existing role

You can use an existing role with this function. Lambda must be able to assume this role, and the role must have Amazon CloudWatch Logs permissions.

Snap_and_Tag

Cancel **Create function**

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https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions/Snap_and_Tag?newFunction=true&tab=graph

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Snap_and_Tag

Throttle Qualifiers Actions Select a test event... Test Save

File Edit Find View Goto Tools Window

Environment Snap_and_Tag lambda_function.py

```
1 from __future__ import print_function
2
3 import json, boto3
4
5 def lambda_handler(event, context):
6     print("Received event: " + json.dumps(event, indent=2))
7
8     # Extract the EC2 instance ID from the Auto Scaling event notification
9     message = event['Records'][0]['Sns']['Message']
10    autoscalingInfo = json.loads(message)
11    ec2InstanceId = autoscalingInfo['EC2InstanceId']
12
13    # Snapshot all EBS volumes attached to the instance
14    ec2 = boto3.client('ec2')
15    for v in ec2.volumes.filter(Filters=[{'Name': 'attachment.instance-id', 'Values': [ec2InstanceId]}]):
16        description = 'Autosnap-%s-%s' % ( ec2InstanceId, v.volume_id )
17
18        if v.create_snapshot(Description = description):
19            print("\t\tSnapshot created with description [%s]" % description)
20
21    # Add a tag to the EC2 instance: Key = Snapshots, Value = Created
22    ec2 = boto3.client('ec2')
23    response = ec2.create_tags(
24        Resources=[ec2InstanceId],
25        Tags=[{'Key': 'Snapshots', 'Value': 'Created'}]
26    )
27    print ("****Tag added to EC2 instance with id: " + ec2InstanceId)
28
29    # Finished!
30    return ec2InstanceId
```

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https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions/Snap_and_Tag?newFunction=true&tab=graph

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Snap_and_Tag

Throttle Qualifiers Actions Select a test event... Test Save

You can use tags to group and filter your functions. A tag consists of a case-sensitive key-value pair. [Learn more.](#)

Key	Value	Remove
-----	-------	--------

Execution role

Defines the permissions of your function. Note that new roles may not be available for a few minutes after creation. [Learn more](#) about Lambda execution roles.

Choose an existing role

Existing role

You can use an existing role with this function. Lambda must be able to assume this role, and the role must have Amazon CloudWatch Logs permissions.

Snap_and_Tag

Basic settings

Description

Snapshot and tag EC2 instance

Memory (MB) [Info](#)

Your function is allocated CPU proportional to the memory configured.

128 MB

Timeout [Info](#)

1 min 0 sec

Network Debugging and error handling

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https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions/Snap_and_Tag?newFunction=true&tab=graph

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Snap_and_Tag

Throttle Qualifiers Actions Select a test event... Test Save

CloudWatch Logs

CodeCommit

Cognito Sync Trigger

DynamoDB

Kinesis

S3

SNS

SQS

Snap_and_Tag

Unsaved changes

Layers (0)

SNS Configuration required

Add triggers from the list on the left

Resources that the function's role has access to appear here

Configure triggers

SNS topic

Select the SNS topic to subscribe to.

arn:aws:sns:eu-west-1:357690787783:ScaleEvent

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https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions

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Lambda > Functions

Functions (3) Actions Create function

Filter by tags and attributes or search by keyword

Function name	Description	Runtime	Code size	Last modified
Snap_and_Tag	Snapshot and tag EC2 instance	Python 2.7	767 bytes	21 seconds ago
lambdatest		Node.js 8.10	262 bytes	21 days ago
RosettaHubMonitoringLambda	RosettaHub Monitoring Lambda	Java 8	17.3 MB	3 months ago

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Task 5: Scale-Out the Auto Scaling Group to Trigger the Lambda function

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https://eu-west-1.console.aws.amazon.com/ec2/autoscaling/home?region=eu-west-1#AutoScalingGroups:Project+Autoscaling:view=details

Edit details - Project Autoscaling

Launch Instances Using ☐ Launch Template ☒ Launch Configuration

Launch Configuration

Desired Capacity
Min
Max

Availability Zone(s)

Subnet(s)

Classic Load Balancers

Target Groups

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https://eu-west-1.console.aws.amazon.com/ec2/v2/home?region=eu-west-1#Instances:sort=securityGroupNames

Instances

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
Autoscaling	i-00fe4c8c08f61551e	t2.micro	eu-west-1a	running	2/2 checks...	OK	
Autoscaling	i-09b3a4406f3503555	t2.micro	eu-west-1a	pending	Initializing	None	
Autoscaling	i-09e85ecc9cd89761c	t2.micro	eu-west-1b	running	2/2 checks...	OK	
Autoscaling	i-0bb07520e2b3ecaf2	t2.micro	eu-west-1b	pending	Initializing	None	

Select an instance above

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https://eu-west-1.console.aws.amazon.com/ec2/autoscaling/home?region=eu-west-1#AutoScalingGroupsId=Project+Autoscaling;view=history

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Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups... 1 to 1 of 1 Auto Scaling Groups

Auto Scaling Group: Project Autoscaling

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Filter: Any Status Filter scaling history... 1 to 4 of 4 History Items

Status	Description	Start Time	End Time
Successful	Launching a new EC2 instance: i-09b3a4406f3503555	2019 January 2 18:33:38 UTC+1	2019 January 2 18:34:11 UTC+1
Successful	Launching a new EC2 instance: i-0bb07520e2b3eca2	2019 January 2 18:33:38 UTC+1	2019 January 2 18:34:11 UTC+1
Successful	Launching a new EC2 instance: i-09e85ecc9cd89761c	2019 January 2 18:06:33 UTC+1	2019 January 2 18:07:06 UTC+1
Successful	Launching a new EC2 instance: i-00fe4c8c08f61551e	2019 January 2 18:06:33 UTC+1	2019 January 2 18:07:05 UTC+1

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https://eu-west-1.console.aws.amazon.com/ec2/v2/home?region=eu-west-1#Snapshots;sort=snapshotid

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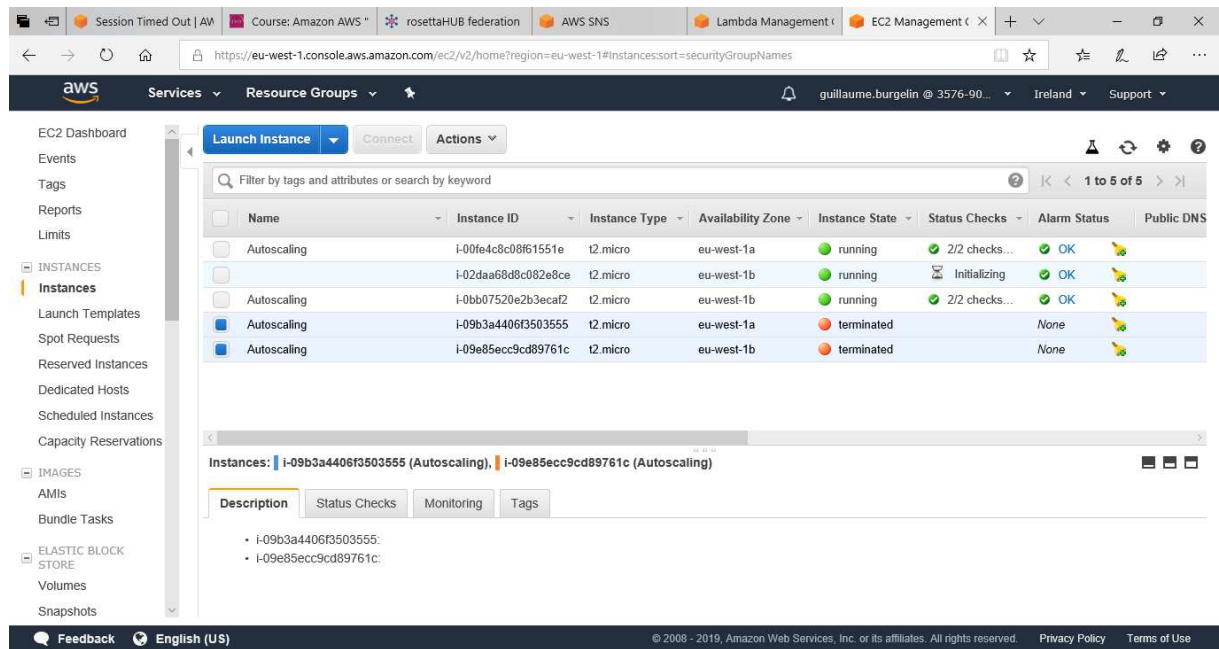
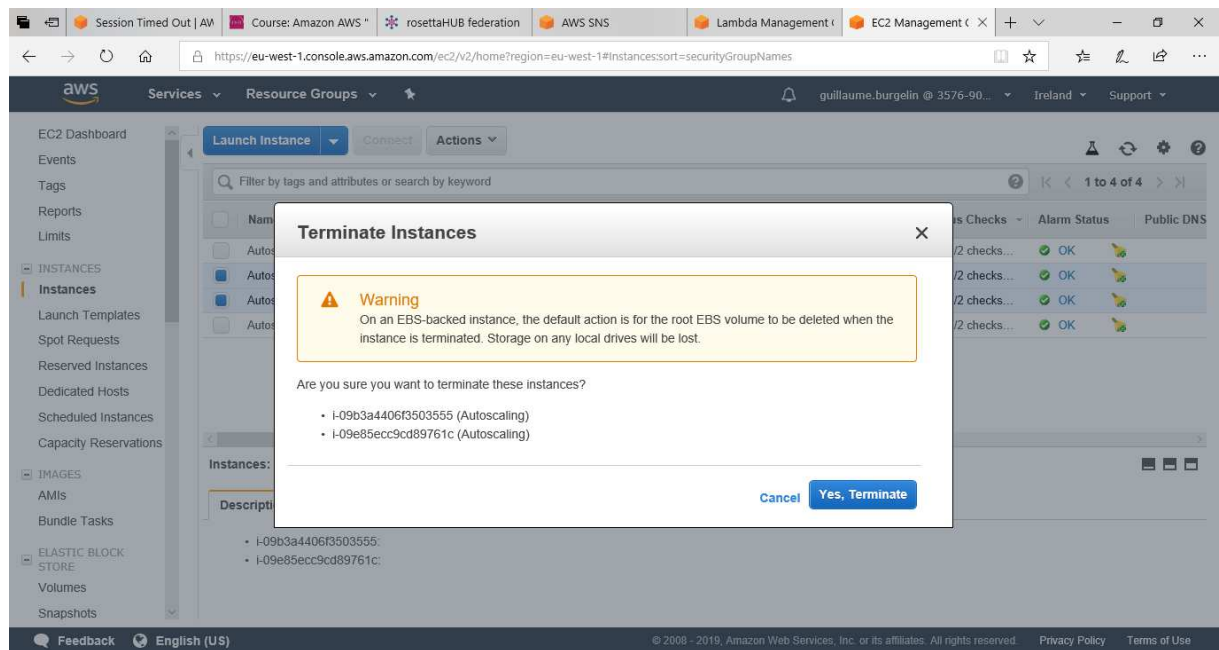
Create Snapshot Actions

Owned By Me Filter by tags and attributes or search by keyword 1 to 3 of 3

Name	Snapshot ID	Size	Description	Status	Started
	snap-043ad71f5f14...	8 GiB	Autosnap-i-0bb07520e2b3eca2-vol-0eb704b031dff4549	completed	January 2, 2019 at 6:34:16 P..
	snap-0abcb1ceae5f...	8 GiB	Autosnap-i-09b3a4406f3503555-vol-0e4253b7734994a28	completed	January 2, 2019 at 6:34:16 P..
	snap-0e8edd12422...	8 GiB	Created by CreateImage(i-0561923a3354e64d6) for ami-02a4d...	completed	December 19, 2018 at 4:31:...

Select a snapshot above

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Create Snapshot Actions

Owned By Me Filter by tags and attributes or search by keyword

Name	Snapshot ID	Size	Description	Status	Started
	snap-02004d05e34...	8 GiB	Autosnap-i-02daa68d8c082e8ce-vol-08045180d40499558	pending	January 2, 2019 at 6:39:49 P.
	snap-043ad71f5f14...	8 GiB	Autosnap-i-0bb07520e2b3ecaf2-vol-0eb704b031dff4549	completed	January 2, 2019 at 6:34:16 P.
	snap-0abcb1ceae5f...	8 GiB	Autosnap-i-09b3a440f3503555-vol-0e4253b7734994a28	completed	January 2, 2019 at 6:34:16 P.
	snap-0e8edd12422...	8 GiB	Created by CreateImage(i-0561923a3354e64d6) for ami-02a4d...	completed	December 19, 2018 at 4:31:...

Select a snapshot above

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Project cleaning

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Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups...

Auto Scaling Group: Project Autoscaling

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Launch Configuration

Desired Capacity

Min

Max

Availability Zone(s) eu-west-1b, eu-west-1a

Subnet(s) subnet-0aef7aa3934dc97cf,subnet-0a7915f103e1c0e0f

Classic Load Balancers

Target Groups

Health Check Type EC2

Health Check Grace Period 300

Instance Protection

Termination Policies Default

Suspended Processes

Delete Auto Scaling group

Are you sure you want to delete this resource?

Project Autoscaling

Cancel Yes, Delete

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Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups... 1 to 1 of 1 Auto Scaling Groups

Select an Auto Scaling group above

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword 1 to 6 of 6

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
Autoscaling	i-00fe4c8c08f61551e	t2.micro	eu-west-1a	shutting-do...		OK	
Autoscaling	i-02daa68d8c082e8ce	t2.micro	eu-west-1b	shutting-do...		OK	
Autoscaling	i-0427ce37676f97415	t2.micro	eu-west-1a	pending	Initializing	None	
Autoscaling	i-0bb07520e2b3ecaf2	t2.micro	eu-west-1b	shutting-do...		OK	
Autoscaling	i-09b3a4406f3503555	t2.micro	eu-west-1a	terminated		None	
Autoscaling	i-09e85ecc9cd89761c	t2.micro	eu-west-1b	terminated		None	

Select an instance above

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
Autoscaling	i-00fe4c8c08f61551e	t2.micro	eu-west-1a	terminated		OK	
Autoscaling	i-02daa68d8c082e8ce	t2.micro	eu-west-1b	terminated		None	
Autoscaling	i-0427ce37676f97415	t2.micro	eu-west-1a	running	Initializing	OK	
Autoscaling	i-0bb07520e2b3ecaf2	t2.micro	eu-west-1b	terminated		OK	
Autoscaling	i-09b3a4406f3503555	t2.micro	eu-west-1a	terminated		None	
Autoscaling	i-09e85ecc9cd89761c	t2.micro	eu-west-1b	terminated		None	

Select an instance above

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Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
Autoscaling	i-00fe4c8c08f61551e	t2.micro	eu-west-1a	terminated		None	
Autoscaling	i-02daa68d8c082e8ce	t2.micro	eu-west-1b	terminated		None	
Autoscaling	i-0427ce37676f97415	t2.micro	eu-west-1a	shutting-do...		OK	
Autoscaling	i-0bb07520e2b3ecaf2	t2.micro	eu-west-1b	terminated		None	
Autoscaling	i-09b3a4406f3503555	t2.micro	eu-west-1a	terminated		None	
Autoscaling	i-09e85ecc9cd89761c	t2.micro	eu-west-1b	terminated		None	

Select an instance above

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