


Task 1 (5%): Open the IAM console-> choose Policies, and then choose to Create policy then you can use Visual editor or JSON file to create a custom policy. Create a policy with the least privilege strategy which can get the IAM credential report (name it IAM-Auditor-Policy).

[Policies](#) > IAM-Auditor-Policy

Summary

Policy ARN arn:aws:iam::176805167435:policy/IAM-Auditor-Policy 

Description

Permissions Policy usage Tags Policy versions Access Advisor

Policy summary {} JSON Edit policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "VisualEditor0",
6       "Effect": "Allow",
7       "Action": [
8         "iam:GenerateCredentialReport",
9         "iam:GetCredentialReport"
10      ],
11       "Resource": "*"
12     }
13   ]
14 }
```

Task 2 (5%): Create the following users:

- User1 without any policy or permission with console access
 - Enable MFA for User1 by your admin user and login with user1 while MFA is enabled.
- User2 without any policy or permission with console access
 - Generate one access key for User2.
- User3 without any policy or permission with only console access

User1:

[Users](#) > [User1](#)

Summary

Delete user

?

User ARNarn:aws:iam::176805167435:user/User1

Path/

Creation time2022-12-17 19:31 PST

Permissions

Groups

Tags

Security credentials

Access Advisor

Sign-in credentials

Summary

• Console sign-in link: <https://176805167435.signin.aws.amazon.com/console>

• MFA is required when signing in. [Learn more](#)

Console password

Enabled (never signed in) | [Manage](#)

Signing certificates

None

Multi-factor authentication (MFA)

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. You can assign a maximum of 8 MFA devices. [Learn more](#)

Manage

Assign MFA device

Serial number	Device type	Created
<input type="radio"/> arn:aws:iam::176805167435:mfa/User1	Virtual TOTP	2022-12-17 19:33 PST

?

俄勒冈州 ▼

User1 @ 1768-0516-7435 ▲

Account ID: 1768-0516-7435

IAM user: User1

Account

Organization

Service Quotas

Billing Dashboard

Security credentials

Settings

Switch role

Sign out

User2:

Add user

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://176805167435.signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key
▶	✔ User2	AKIASSKTIYFFWLBGXWD	qRboQaaEVvwAamf+jh9mVw+jwYOS3uERiTfRWRba Hide

Users > User2

Summary

User ARN

arn:aws:iam::176805167435:user/User2

Path

/

Creation time

2022-12-17 19:39 PST

Permissions

Groups

Tags

Security credentials

Access Advisor

Sign-in credentials

Summary

• User does not have console management access

Console password

Disabled | [Manage](#)

Signing certificates

None

Access keys

Use access keys to make programmatic calls to AWS from the AWS CLI, Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time.

For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation.
If you lose or forget your secret key, you cannot retrieve it. Instead, create a new access key and make the old key inactive. [Learn more](#)

Create access key

Access key ID	Created	Last used	Status	
AKIASSKTIYFFWLBGXWD	2022-12-17 19:39 PST	N/A	Active	Make inactive

User3:

Add user

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://176805167435.signin.aws.amazon.com/console>

Download .csv

	User	Password	Email login instructions
▶	User3	X)!xCl-wt!9Y+j Hide	Send email

Users > User3

Summary

Delete user ?

User ARN

arn:aws:iam::176805167435:user/User3

Path

/

Creation time

2022-12-17 19:43 PST

Permissions

Groups

Tags

Security credentials

Access Advisor

▼ Permissions policies

Get started with permissions

This user doesn't have any permissions yet. Get started by adding the user to a group, copying permissions from another user, or attaching a policy directly. [Learn more](#)

Add permissions

Add inline policy

▶ Permissions boundary (not set)

Sign-in credentials

Summary

• Console sign-in link: <https://176805167435.signin.aws.amazon.com/console>

Console password

Enabled (never signed in) | [Manage](#)

Signing certificates

None

Multi-factor authentication (MFA)

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. You can assign a maximum of 8 MFA devices. [Learn more](#)

[Manage](#) [Assign MFA device](#)

No MFA assigned.

Access keys

Use access keys to make programmatic calls to AWS from the AWS CLI, Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time.

For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation. If you lose or forget your secret key, you cannot retrieve it. Instead, create a new access key and make the old key inactive. [Learn more](#)

[Create access key](#)

Access key ID	Created	Last used	Status
---------------	---------	-----------	--------

No results

Task 3 (3%): Create a user group named IAM-Auditor-Group and attach the custom policy of task 1 to this user group.

IAM-Auditor-Group

Delete

Summary

Edit

User group name	Creation time	ARN
IAM-Auditor-Group	December 17, 2022, 19:47 (UTC-08:00)	arn:aws:iam::176805167435:group/IAM-Auditor-Group

Users Permissions Access Advisor

Permissions policies (1) [Info](#)

You can attach up to 10 managed policies.



Simulate

Remove

Add permissions

Filter policies by property or policy name and press enter.

< 1 >



<input type="checkbox"/>	Policy name	Type	Description
<input type="checkbox"/>	IAM-Auditor-Policy	Customer managed	

Task 4 (2%): Add User3 to the IAM-Auditor group.

IAM-Auditor-Group

Delete

Summary

Edit

User group name	Creation time	ARN
IAM-Auditor-Group	December 17, 2022, 19:47 (UTC-08:00)	arn:aws:iam::176805167435:group/IAM-Auditor-Group

Users Permissions Access Advisor

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.



Remove users

Add users

Search

< 1 >



<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	User3	1	None	4 minutes ago

Task 5 (5%): Login with User3. Go to IAM service -> Setting and get the IAM credential report. Report your findings about each user from the generated credential report.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	user	arn	user_create	password	password	password	mfa_active	access_key	access_key	access_key	access_key	access_key	access_key	access_key	access_key	access_key	access_key	access_key	cert_1	cert_1	last_cert_2	last_cert_2	last_rot
2	<root_account>	arn:aws:iam::176805167435:user/root	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	2022-11-14	2022-11-15	east-1	ec2	FALSE	N/A	N/A	N/A	N/A	FALSE	N/A	FALSE	N/A	FALSE
3	admin	arn:aws:iam::176805167435:user/admin	TRUE	no_info	2022-11-14	N/A	FALSE	TRUE	2022-11-06	N/A	N/A	N/A	N/A	FALSE	N/A	N/A	N/A	N/A	FALSE	N/A	FALSE	N/A	FALSE
4	User1	arn:aws:iam::176805167435:user/User1	TRUE	2022-12-12	2022-12-12	N/A	FALSE	TRUE	N/A	N/A	N/A	N/A	N/A	FALSE	N/A	N/A	N/A	N/A	FALSE	N/A	FALSE	N/A	FALSE
5	User2	arn:aws:iam::176805167435:user/User2	FALSE	N/A	N/A	N/A	N/A	FALSE	TRUE	2022-12-16	N/A	N/A	N/A	FALSE	N/A	N/A	N/A	N/A	FALSE	N/A	FALSE	N/A	FALSE
6	User3	arn:aws:iam::176805167435:user/User3	TRUE	2022-12-12	2022-12-12	N/A	FALSE	FALSE	N/A	N/A	N/A	N/A	N/A	FALSE	N/A	N/A	N/A	N/A	FALSE	N/A	FALSE	N/A	FALSE

Task 6 (5%): When you are still logged in through User3, add User2 to the IAM-Auditor group. Explain your observation. In case of failure, describe the steps needed to be taken in order to User3 can add User2 to IAM Auditor.

User3 failed:

IAM > Users

Users (0) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

Refresh Delete Add users

User name	Groups	Last activity	MFA	Password age	Active key age
-----------	--------	---------------	-----	--------------	----------------

You need permissions
You do not have the permission required to perform this operation. Ask your administrator to add permissions. [Learn more](#)

User: arn:aws:iam::176805167435:user/User3 is not authorized to perform: iam:ListUsers on resource: arn:aws:iam::176805167435:user/ because no identity-based policy allows the iam:ListUsers action

Steps:

1. Add ListUsers and ListGroups strategies to IAM-Auditor-Policy.
2. Add AddUserToGroup, GetGroup strategies to IAM-Auditor-Policy and specify group resource ARN as arn:aws:iam::176805167435:group/IAM-Auditor-Group to restrict access.
3. User3 can add User2 to IAM Auditor.

Policies > IAM-Auditor-Policy

Summary

Policy ARN arn:aws:iam::176805167435:policy/IAM-Auditor-Policy

Description

Permissions Policy usage Tags Policy versions Access Advisor

Policy summary {} JSON Edit policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "VisualEditor0",
6       "Effect": "Allow",
7       "Action": [
8         "iam:GenerateCredentialReport",
9         "iam:ListUsers",
10        "iam:ListGroups",
11        "iam:GetCredentialReport"
12      ],
13       "Resource": "*"
14     },
15     {
16       "Sid": "VisualEditor1",
17       "Effect": "Allow",
18       "Action": [
19         "iam:AddUserToGroup",
20         "iam:GetGroup"
21      ],
22       "Resource": "arn:aws:iam::176805167435:group/IAM-Auditor-Group"
```

Summary

Policy ARN `arn:aws:iam::176805167435:policy/IAM-Auditor-Policy`

Description

Permissions

Policy usage

Tags

Policy versions

Access Advisor

Policy summary

{ } JSON

Edit policy

```
9      "iam:ListUsers",
10      "iam:ListGroups",
11      "iam:GetCredentialReport"
12    ],
13    "Resource": "*"
14  },
15  {
16    "Sid": "VisualEditor1",
17    "Effect": "Allow",
18    "Action": [
19      "iam:AddUserToGroup",
20      "iam:GetGroup"
21    ],
22    "Resource": "arn:aws:iam::176805167435:group/IAM-Auditor-Group"
23  }
24 ]
25 }
```

Users added to this group.

IAM-Auditor-Group

Delete

Summary

Edit

User group name	Creation time	ARN
IAM-Auditor-Group	December 17, 2022, 19:47 (UTC-08:00)	<code>arn:aws:iam::176805167435:group/IAM-Auditor-Group</code>

Users

Permissions

Access Advisor

Users in this group (2)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.



Remove users

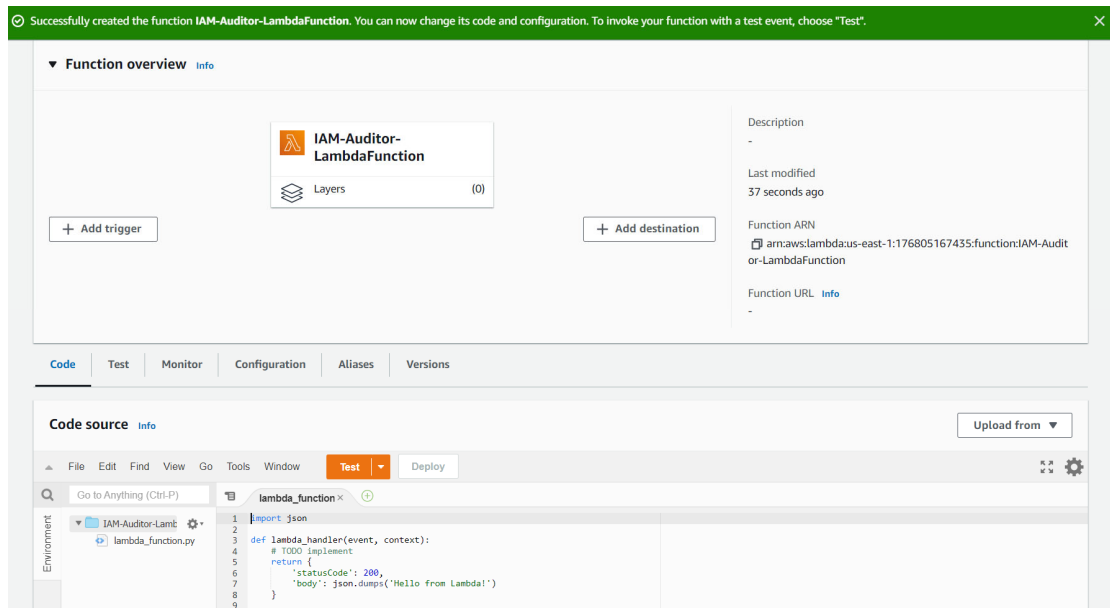
Add users

< 1 >

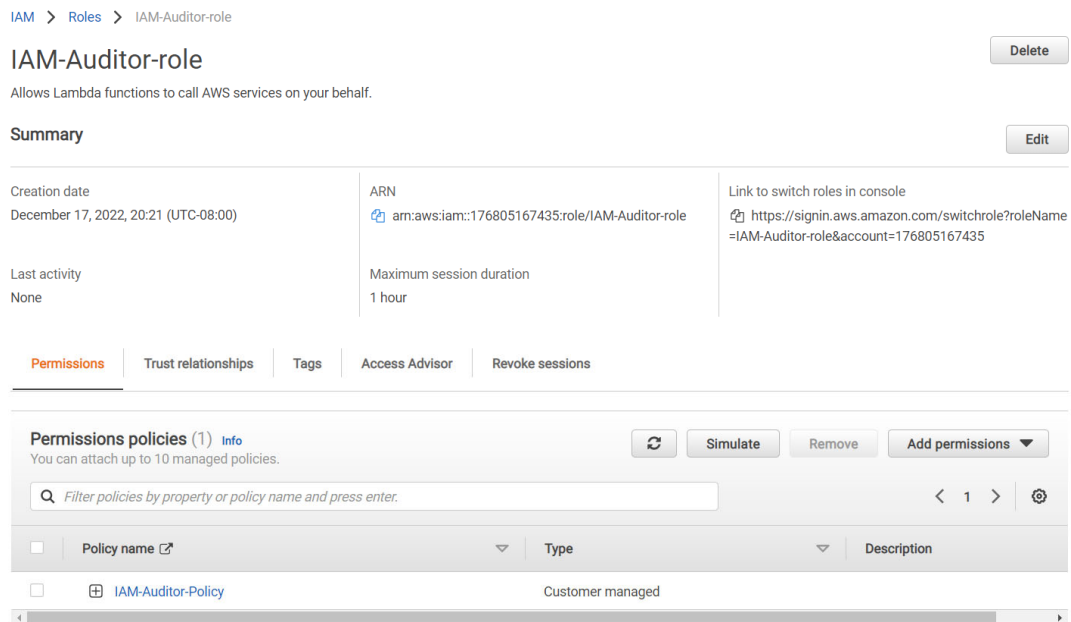


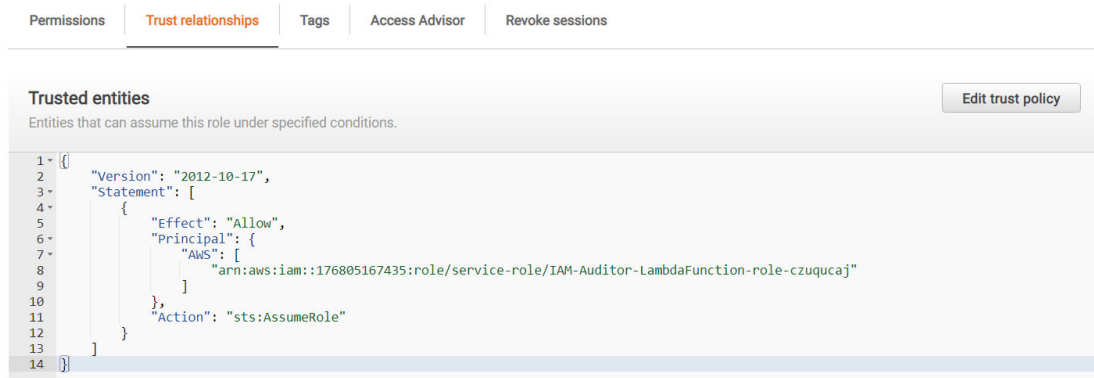
<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	User2	You need permissions	None	32 minutes ago
<input type="checkbox"/>	User3	0	22 minutes ago	29 minutes ago

Task 7 (5%): create a lambda function using python 3.9 as a runtime, and x86_64 as an Architecture.



Task 8 (10%): Create a role "IAM-Auditor-role" that can be assumed by a role of Lambda function, and attach the IAM-Auditor policy to this role.





Task 9 (20%): In the Lambda function you created in Task 7:

- Define a function to assume the role that you created in task 8 ("IAM-Auditor-role").
- Define a function to generate and get IAM Credential Report.
- Provide a script that uses the first function to assume the IAM-Auditor role and the second function to generate and get the IAM credential report.

Define a function to assume the role that you created in task 8 ("IAM-Auditor-role"):

```
def assume_role():
    assumedRoleObject=stsClient.assume_role(
        RoleArn=f"arn:aws:iam::176805167435:role/IAM-Auditor-role",
        RoleSessionName="IAMCredentialReport"
    )
    return assumedRoleObject["Credentials"]
```

Define a function to generate and get IAM Credential Report:

```
def generate_IAM_credential_report(credentials):
    iam_client = boto3.client(
        'iam',
        aws_access_key_id=credentials["AccessKeyId"],
```

```

    aws_secret_access_key=credentials["SecretAccessKey"],
    aws_session_token=credentials["SessionToken"]
)
report_complete = False
while not report_complete:
    gen_report = iam_client.generate_credential_report()
    report_complete = gen_report["State"] = "COMPLETE"
credential_report = iam_client.get_credential_report()
report = credential_report["Content"].decode("utf-8")
return report

```

Provide a script that uses the first function to assume the IAM-Auditor role and the second function to generate and get the IAM credential report:



The screenshot shows a Lambda function editor with two tabs: 'lambda_function' and 'Execution results'. The code is as follows:

```

1  import json
2  import os
3  import boto3
4  import time
5
6  stsClient = boto3.client("sts")
7
8  def assume_role():
9      assumedRoleObject=stsClient.assume_role(
10         RoleArn=f"arn:aws:iam::176805167435:role/IAM-Auditor-role",
11         RoleSessionName="IAMCredentialReport"
12     )
13     return assumedRoleObject["Credentials"]
14
15 def generate_IAM_credential_report(credentials):
16     iam_client = boto3.client(
17         'iam',
18         aws_access_key_id=credentials["AccessKeyId"],
19         aws_secret_access_key=credentials["SecretAccessKey"],
20         aws_session_token=credentials["SessionToken"]
21     )
22     report_complete = False
23     while not report_complete:
24         gen_report = iam_client.generate_credential_report()
25         report_complete = gen_report["State"] = "COMPLETE"
26
27     credential_report = iam_client.get_credential_report()
28     report = credential_report["Content"].decode("utf-8")
29     return report
30
31 def lambda_handler(event, context):
32     report = generate_IAM_credential_report(assume_role())
33     return {
34         'statusCode': 200,
35         'body': report
36     }

```

Execution results		Status: Succeeded	Max memory used: 68 MB	Time: 774.76 ms
Test Event Name	test			
Response	<pre>{ "statusCode": 200, "body": "user,arn,user_creation_time,password_enabled,password_last_used,password_last_changed,password_next_rotation,mfa_active,access_key_1_active,access_key_1_last_r }"</pre>			
Function Logs	<pre>START RequestId: 8160edc2-8a16-4d7a-90d2-8a8b10512eba Version: \$LATEST END RequestId: 8160edc2-8a16-4d7a-90d2-8a8b10512eba REPORT RequestId: 8160edc2-8a16-4d7a-90d2-8a8b10512eba Duration: 774.76 ms Billed Duration: 775 ms Memory Size: 128 MB Max Memory Used: 68 MB Init Duration: 293.92 ms</pre>			
Request ID	8160edc2-8a16-4d7a-90d2-8a8b10512eba			

Task 10 (15%): In this task, you need to use the IAM credential report generated in the previous task to do a security audit. We are going to audit the AWS CIS controls 1.1 and 1.12.

- **CIS 1.1:** Based on the best practices the root user should not be used for daily activity. Create a function that reports the last time the root account has been used.
- **CIS 1.2:** Ensure multi-factor authentication (MFA) is enabled for all IAM users that have a console password. Now, create a function that reports all users with MFA disabled.
- **CIS 1.12:** We should ensure no access key is attached to the root account. Report if there is any key attached to the root account.

CIS 1.1: Based on the best practices the root user should not be used for daily activity. Create a function that reports the last time the root account has been used.

```
def cis1_1(report):
    reader = csv.DictReader(StringIO(report))
    for row in reader:
        if row["user"] == '<root_account>':
            return{
                "Last Used": row["password_last_used"]
```

```
    }
    return {"Last Used": -1}
```

CIS 1.2: Ensure multi-factor authentication (MFA) is enabled for all IAM users that have a console password. Now, create a function that reports all users with MFA disabled

```
def cis1_2(report):
    reader = csv.DictReader(StringIO(report))
    users = []
    for row in reader:
        if row["mfa_active"] == 'false' and row["password_enabled"] == 'true':
            users.append(row["user"])
    return {"Mfa Disabled Users": users}
```

CIS 1.12: We should ensure no access key is attached to the root account. Report if there is any key attached to the root account.

```
def cis1_12(report):
    reader = csv.DictReader(StringIO(report))
    for row in reader:
        if row["user"] == '<root_account>':
            return{
                "Key Attached": (row["access_key_1_active"] == 'true' or
row["access_key_2_active"] == 'true')
            }
    return{
        "Key Attached": False
    }

def lambda_handler(event, context):
    report = generate_IAM_credential_report(assume_role())
    return{
        'statusCode': 200,
        'body': dict(cis1_1(report)| cis1_12(report)|cis1_2(report))
    }
```

Test Event Name	
test	
Response	
<pre>{ "statusCode": 200, "body": { "Last Used": "2022-12-18T03:19:01+00:00", "Key Attached": true, "Mfa Disabled Users": ["admin", "User3"] } }</pre>	
Function Logs	
<pre>START RequestId: 2b27890d-666c-4ae4-a6e4-2f0cb4204450 Version: \$LATEST END RequestId: 2b27890d-666c-4ae4-a6e4-2f0cb4204450 REPORT RequestId: 2b27890d-666c-4ae4-a6e4-2f0cb4204450 Duration: 801.54 ms Billed Duration: 802 ms Memory Size: 128 MB Max Memory Used: 68 MB Init Duration: 330.86 ms</pre>	
Request ID	
2b27890d-666c-4ae4-a6e4-2f0cb4204450	

Task 11 (10%): In this task, you need to create a simple text report from task 10 and use the SNS service to send the report to your own email address. To do so, go to Amazon Simple Notification Service (SNS) console -> create an SNS topic, and subscribe your email address to the topic. Then add SNS publish privilege to the Lambda function role. Finally, use Boto3 SNS publish function to send notifications.

Create an SNS topic:

Subscription: cbcbcc4c-8559-4aa5-8622-68bafb68afd6

Details	
ARN arn:aws:sns:us-east-1:176805167435:SendReport:cbcbcc4c-8559-4aa5-8622-68bafb68afd6	Status  Confirmed
Endpoint kda78@sfu.ca	Protocol EMAIL
Topic SendReport	
Subscription Principal arn:aws:iam::176805167435:root	

Subscribe:



Simple Notification Service

Subscription confirmed!

You have successfully subscribed.

Your subscription's id is:

arn:aws:sns:us-east-1:176805167435:SendReport:cbcbcc4c-8559-4aa5-8622-68bafb68afd6

If it was not your intention to subscribe, [click here to unsubscribe](#).

Add Publish permission to lambda function:

Edit AWSLambdaBasicExecutionRole-155a6480-5b97-49d2-b0eb-19ffff0bcfc9

1

2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor

JSON

Import managed policy

Expand all | Collapse all

▼ SNS (1 action)

Clone | Remove

► Service SNS

► Actions Write
Publish

► Resources arn:aws:sns:us-east-1:176805167435:SendReport

► Request conditions [Specify request conditions \(optional\)](#)

Code:

```
def send_report(reports, credentials):
    sns_client = boto3.client('sns')
    sns_client.publish(
        TopicArn='arn:aws:sns:us-east-1:176805167435:SendReport',
        Message=json.dumps(reports),
    )
    return True

def lambda_handler(event, context):
    credentials=assume_role()
    report = generate_IAM_credential_report(credentials)
    result = dict(cis1_1(report)| cis1_12(report)|cis1_2(report))
    send_report(result,credentials)
```

```
return{
  'statusCode': 200,
  'body': result
}
```

lambda_function x	Execution result x	Status: Succeeded	Max memory used: 69 MB	Time: 1032.49 ms
Execution results				
Test Event Name				
test				
Response				
<pre>{ "statusCode": 200, "body": { "Last Used": "2022-12-18T03:19:01+00:00", "Key Attached": true, "Mfa Disabled Users": ["admin", "User3"] } }</pre>				
Function Logs				
START RequestId: b6dd4787-684c-4824-9645-d3fd3b9925f8 Version: \$LATEST				
END RequestId: b6dd4787-684c-4824-9645-d3fd3b9925f8				
REPORT RequestId: b6dd4787-684c-4824-9645-d3fd3b9925f8 Duration: 1032.49 ms Billed Duration: 1033 ms Memory Size: 128 MB Max Memory Used: 69 MB Init Duration: 322				
Request ID				
b6dd4787-684c-4824-9645-d3fd3b9925f8				

Email:

AWS Notification Message



AWS Notifications <no-reply@sns.amazonaws.com>

23:35



收件人: kda78@sfu.ca

{"Last Used": "2022-12-18T03:19:01+00:00", "Key Attached": true, "Mfa Disabled Users": ["admin", "User3"]}

--

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:

<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:176805167435:SendReport:cbcbcc4c-8559-4aa5-8622-68bafb68afd6&Endpoint=kda78@sfu.ca>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Task 12 (5%): AWS Event bridge enables scheduling events to trigger AWS

services such as the Lambda function. Explain the steps that need to be taken to receive a daily report from a script that you created in Task 9.

Create a schedule:

Step 1: Schedule detail

[Edit](#)

Schedule detail

Schedule name SendDailyReport	Description -	Schedule group default
Timezone (UTC -08:00) America/Vancouver	Occurrence Recurring	Start date and time -
End date and time -	Flexible time window Off	

Cron expression

0	12	*	*	?	*
Minutes	Hours	Day of month	Month	Day of week	Year

Next 10 trigger dates

Date and time are displayed in the selected time zone for which this schedule is set in UTC format, e.g. "Wed, Nov 9, 2022 09:00 (UTC -08:00)"



Sun, 18 Dec 2022 12:00:00 (UTC -08:00)
Mon, 19 Dec 2022 12:00:00 (UTC -08:00)
Tue, 20 Dec 2022 12:00:00 (UTC -08:00)
Wed, 21 Dec 2022 12:00:00 (UTC -08:00)
Thu, 22 Dec 2022 12:00:00 (UTC -08:00)
Fri, 23 Dec 2022 12:00:00 (UTC -08:00)
Sat, 24 Dec 2022 12:00:00 (UTC -08:00)
Sun, 25 Dec 2022 12:00:00 (UTC -08:00)
Mon, 26 Dec 2022 12:00:00 (UTC -08:00)
Tue, 27 Dec 2022 12:00:00 (UTC -08:00)

Set the target:

Step 2: Target

[Edit](#)

Target detail

Target AWS Lambda IAM-Auditor-LambdaFunction 	Target ARN  <code>arn:aws:lambda:us-east-1:176805167435:function:IAM-Auditor-LambdaFunction</code>
Payload { }	

Task 13 (10%): Use AWS Cloudtrail-> event history to query the last time the root user logged in.

the last time the root user logged in: December 17, 2022, 19:19:01 (UTC-08:00)

Event history (15) [Info](#)

Event history shows you the last 90 days of management events.

Lookup attributes

Event name ▼

Q ConsoleLogin X

30m 1h 3h 12h Custom 📅

< 1 > 🔍

<input type="checkbox"/>	Event name	Event time	User name	Event source	Resource type
<input type="checkbox"/>	ConsoleLogin	December 17, 2022, 19:19:01 (UTC-08:00)	root	signin.amazonaws.com	-
<input type="checkbox"/>	ConsoleLogin	November 30, 2022, 13:24:26 (UTC-08:00)	root	signin.amazonaws.com	-
<input type="checkbox"/>	ConsoleLogin	November 29, 2022, 18:27:47 (UTC-08:00)	root	signin.amazonaws.com	-