

PROJECT 4

AWS Config Compliance Enforcement

Project: AWS Config Managed Rules Practical Validation

Department: DevOPs

Team: Cloud Infrastructure Engineering

Team Leader: Chinazor Nwode

Co-Leader: Ifunanya Benedicta

As part of our **continuous compliance validation program**, we, the cloud security engineering team, conducted a **controlled misconfiguration test** in our AWS development environment.

Our objective was to:

1. **Deliberately introduce** specific misconfigurations into various AWS resources.
2. **Observe AWS Config's detection** of these misconfigurations in real time.
3. **Remediate** each issue and confirm compliance was restored.

We executed each scenario using the **STAR method** so that the process is clear, reproducible, and aligned with our organizational compliance playbooks.

1. EC2 Launch Template Policy – IMDSv2 Enforcement

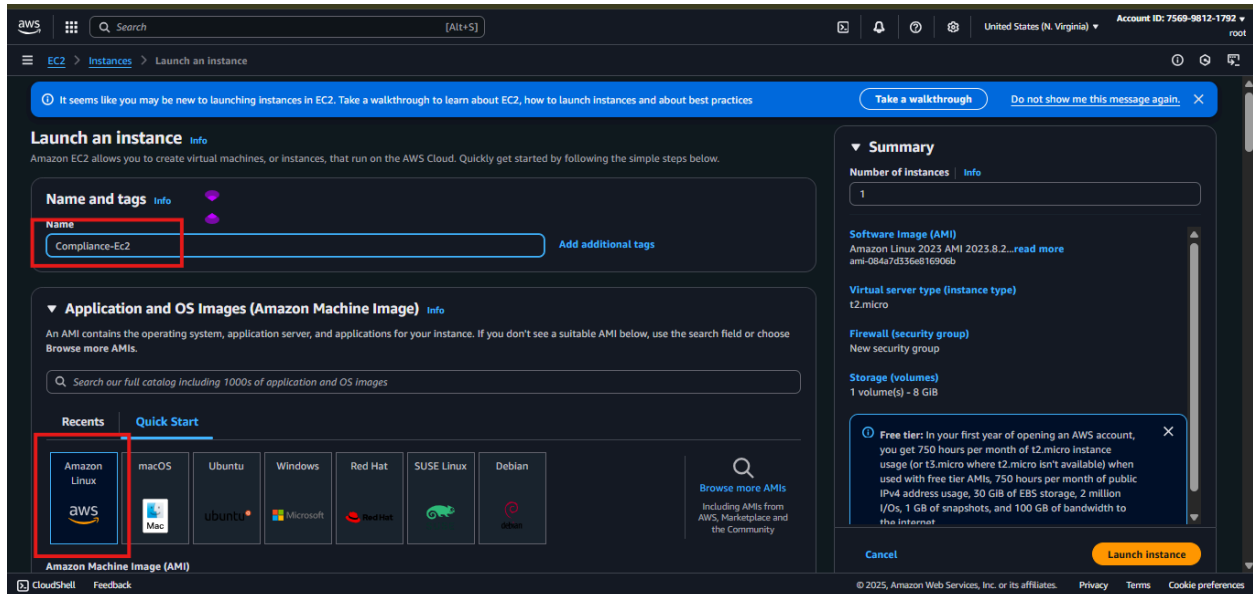
Rule: `ec2-launch-template-imdsv2-check`

EC2 recommends using metadata version 2 you explicitly requires metadata version 1"

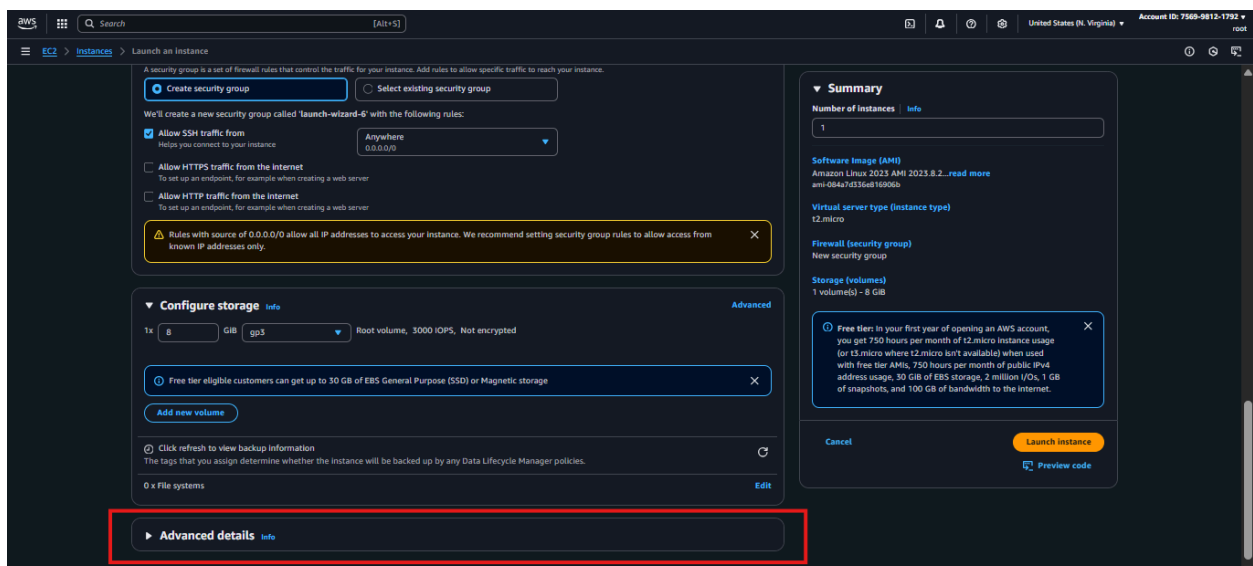
We identified that enforcing IMDSv2 is critical to prevent metadata service exploitation. IMDSv1 leaves us open to SSRF-style credential theft.

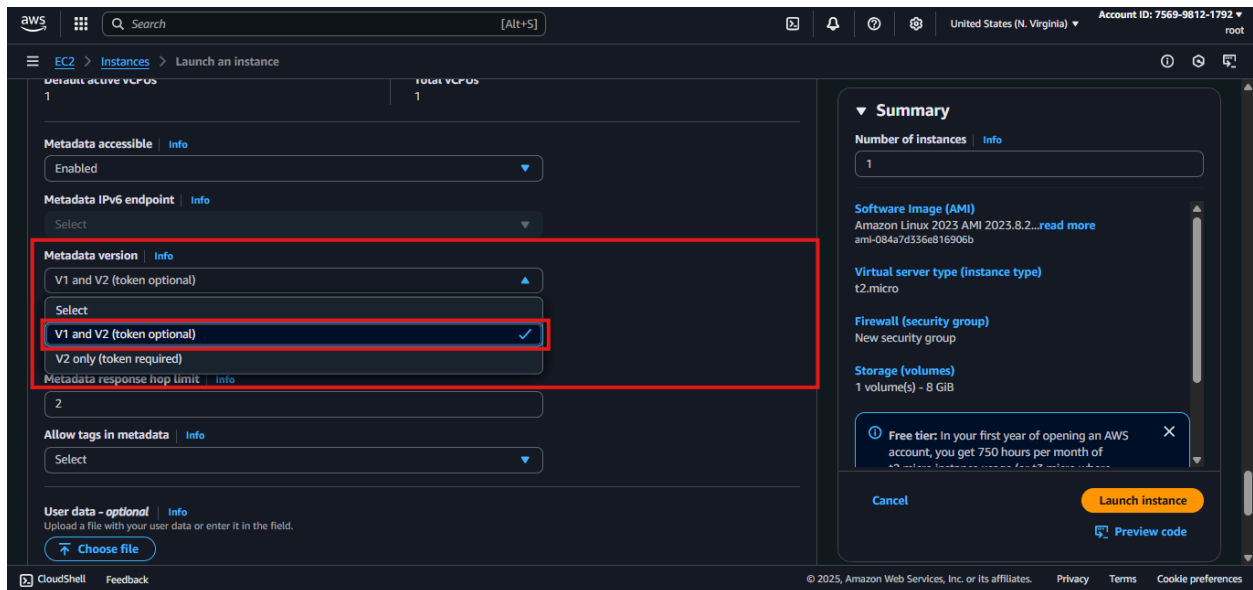
Launch an EC2 instance using a launch template that does not enforce IMDSv2.

- We launched an EC2 instance from a template with IMDSv1 enabled.

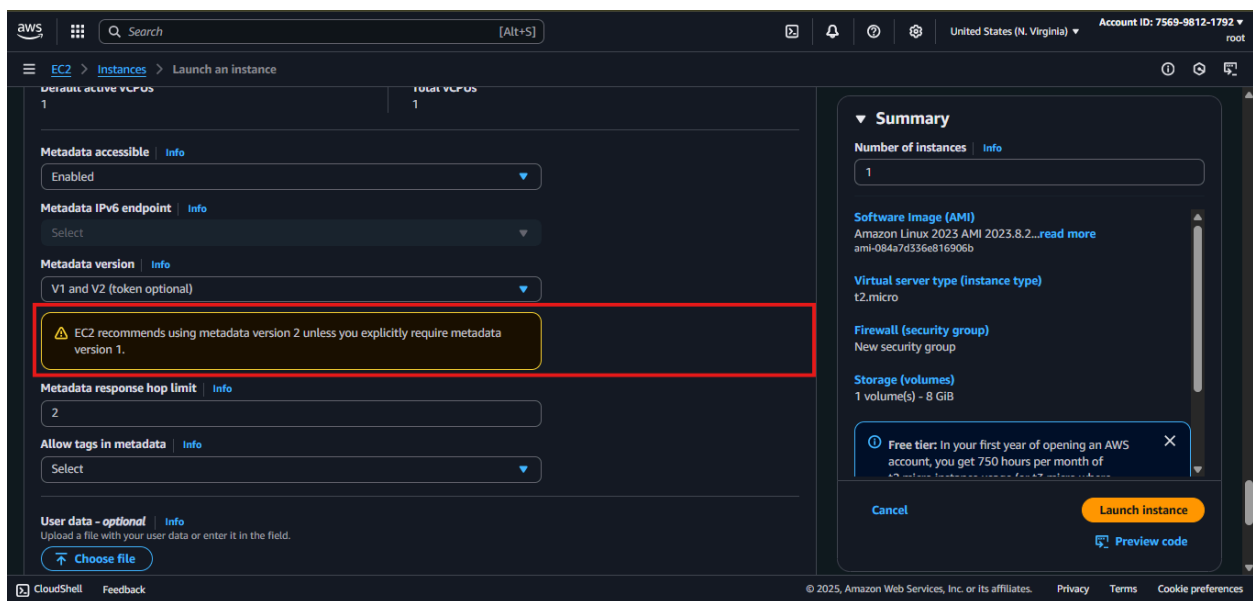


- Click "Advanced Details"





- AWS Tried to warn us EC2 recommends using metadata version 2, unless we explicitly wants the version 1



- AWS Config flagged the instance as COMPLIANT . Which means this rule has an issue. so we created Custom Lambda rule for it using Python code.

Please Refer to PART 4 and get how this was achieved

Lambda Function Python Code

▼ Click to view python code

```
import json
import boto3
import os
import datetime

# Initialize the AWS Config client
CONFIG_CLIENT = boto3.client('config')

def lambda_handler(event, context):
    """
    The main handler for the AWS Lambda function.
    It receives an event from AWS Config and evaluates the compliance of a
    n
    EC2 Launch Template by checking if it requires IMDSv2.

    Args:
        event (dict): The event object from AWS Config.
        context (object): The context object for the Lambda function.
    """
    print("Received event: " + json.dumps(event, indent=2))

    # Initializing variables to ensure they exist for the final evaluation
    resource_type = 'Unknown'
    resource_id = 'Unknown'
    ordering_timestamp = str(datetime.datetime.now())
    result_token = ''

    compliance_type = 'NOT_APPLICABLE'
    annotation = 'This resource type is not applicable for this rule.'
```

```

try:
    invoking_event = json.loads(event['invokingEvent'])
    configuration_item = invoking_event['configurationItem']
    result_token = event['resultToken']

    resource_type = configuration_item.get('resourceType')
    resource_id = configuration_item.get('resourceId')
    ordering_timestamp = configuration_item.get('configurationItemCaptureTime')

    # Check if the resource is an EC2 Launch Template.
    if resource_type != 'AWS::EC2::LaunchTemplate':
        print(f"Skipping evaluation for non-EC2 Launch Template resource type: {resource_type}")
        compliance_type = 'NOT_APPLICABLE'
        annotation = 'This rule only applies to EC2 Launch Templates.'

    else:
        # --- Evaluate the Launch Template for IMDSv2 requirement ---
        # The launch template data is stored in the 'configuration' key.
        config_data = configuration_item.get('configuration', {})

        # We need to navigate through the LaunchTemplateData structure.
        launch_template_data = config_data.get('LaunchTemplateData', {})
        metadata_options = launch_template_data.get('MetadataOptions', {})

        # Check if ImdsSupport is set to 'required'.
        imds_support = metadata_options.get('ImdsSupport')

        if imds_support == 'required':
            compliance_type = 'COMPLIANT'
            annotation = "Launch template is compliant: IMDSv2 is required."
        else:
            compliance_type = 'NON_COMPLIANT'

```

```

        annotation = "Launch template is non-compliant: IMDSv2 is not required."

    except KeyError as e:
        # Gracefully handle cases where a key is missing from the event.
        print(f"KeyError: Missing key {e} in event. Skipping evaluation for this malformed event.")
        return {
            'statusCode': 200,
            'body': json.dumps(f"Missing key: {e}")
        }
    except Exception as e:
        # Catch any other unexpected errors and set the compliance status to NON_COMPLIANT
        # This will provide visibility into the error in your AWS Config dashboard.
        print(f"Error evaluating resource {resource_id}: {e}")
        compliance_type = 'NON_COMPLIANT'
        annotation = f"Failed to evaluate Launch Template: {e}"

# Submit the evaluation results to AWS Config
evaluations = [{
    'ComplianceResourceType': resource_type,
    'ComplianceResourceId': resource_id,
    'ComplianceType': compliance_type,
    'Annotation': annotation,
    'OrderingTimestamp': ordering_timestamp
}]

try:
    CONFIG_CLIENT.put_evaluations(
        Evaluations=evaluations,
        ResultToken=result_token
    )
    print(f"Submitted evaluation for {resource_id} with compliance status: {compliance_type}")

```

```

except Exception as e:
    print(f"Error submitting evaluation to AWS Config: {e}")
    # Re-raise the exception to signal an unrecoverable failure
    raise e

return {
    'statusCode': 200,
    'body': json.dumps('Evaluation submitted successfully')
}

```

Inline Policy for Permission Role Json Code

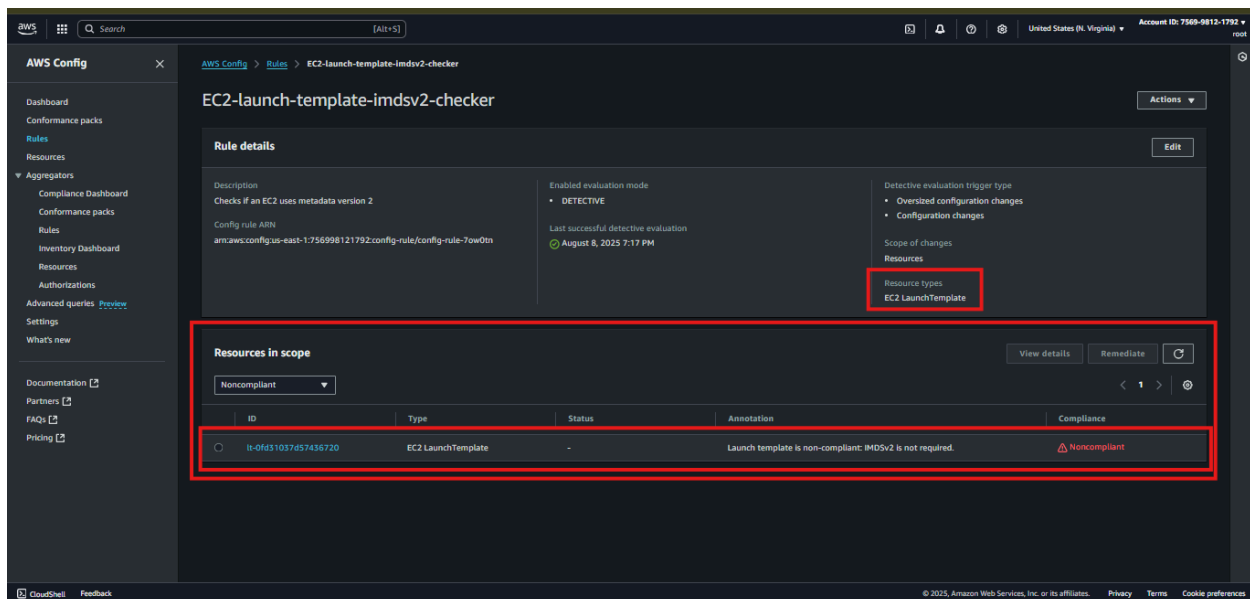
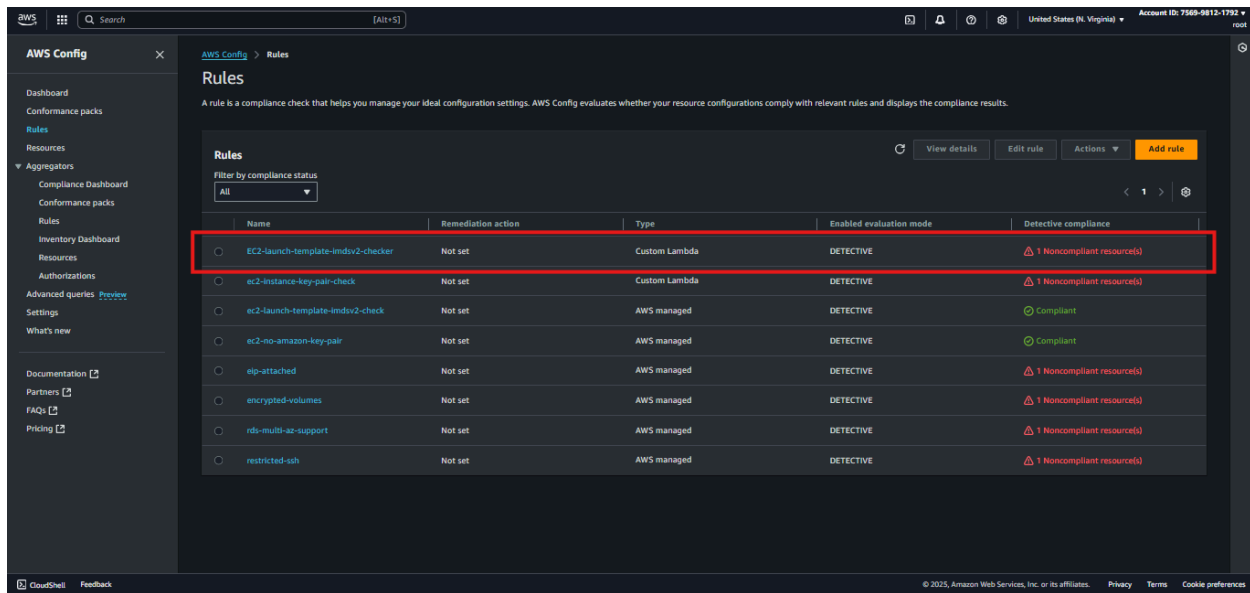
▼ **Click to view JSON code**

```

{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "logs:CreateLogGroup",
        "logs:CreateLogStream",
        "logs:PutLogEvents"
      ],
      "Resource": "arn:aws:logs:*:*:*"
    },
    {
      "Effect": "Allow",
      "Action": "config:PutEvaluations",
      "Resource": "*"
    }
  ]
}

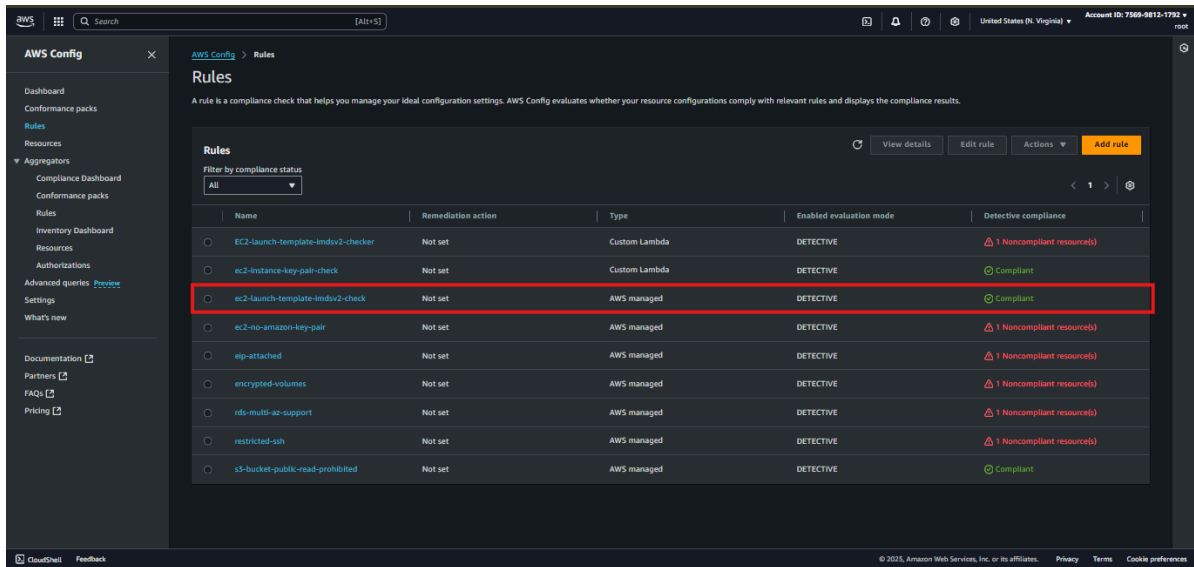
```

- So after creating the Lambda Function and applying it to Custom Lambda Rule in AWS Config, It immediatly flagged the instance as **NON-COMPLIANT** .



- We updated the launch template to require IMDSv2, then relaunched the instance using the updated template.

The instance was marked **COMPLIANT** . This ensures that all new instances follow secure metadata access practices.



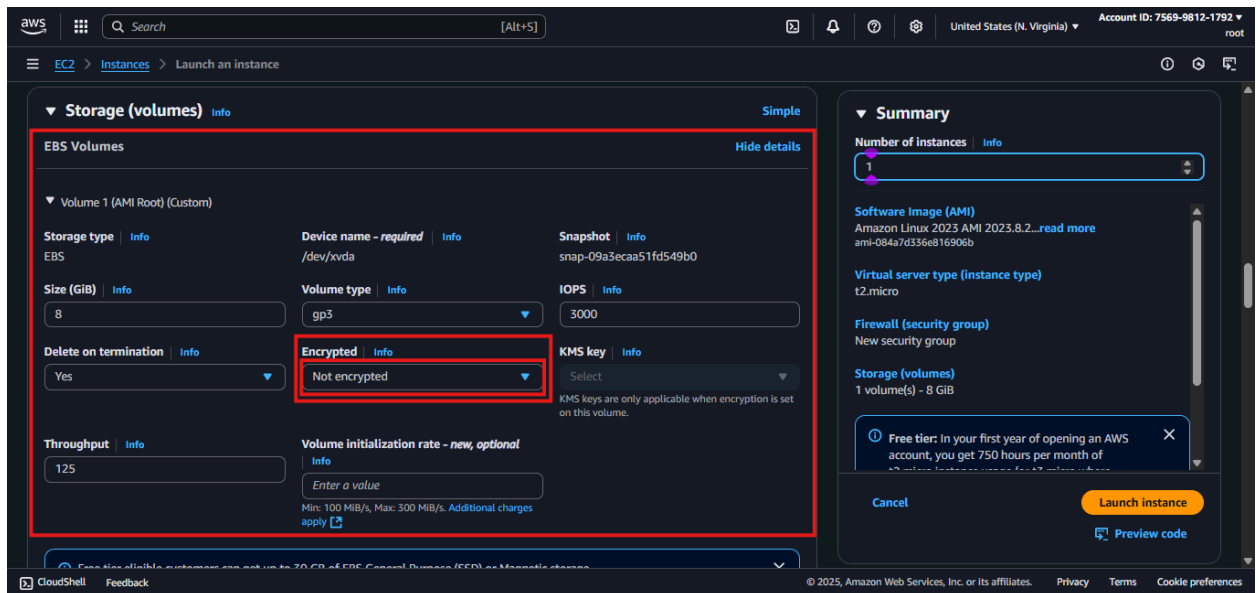
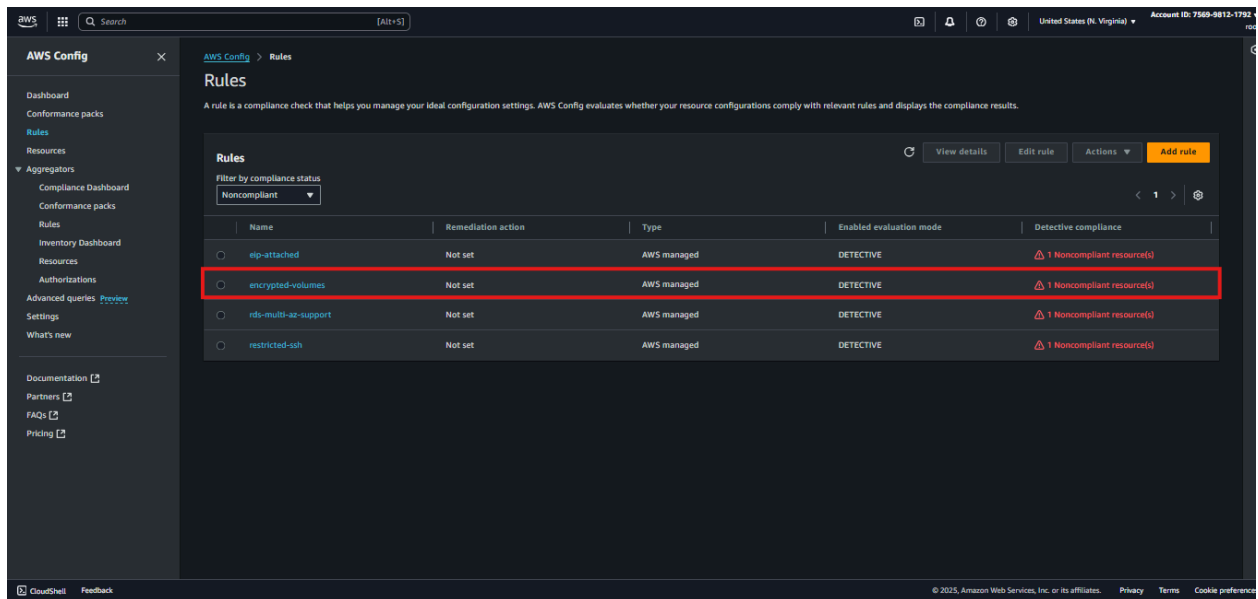
2. EBS Volume Encryption Enforcement

Rule: `encrypted-volumes`

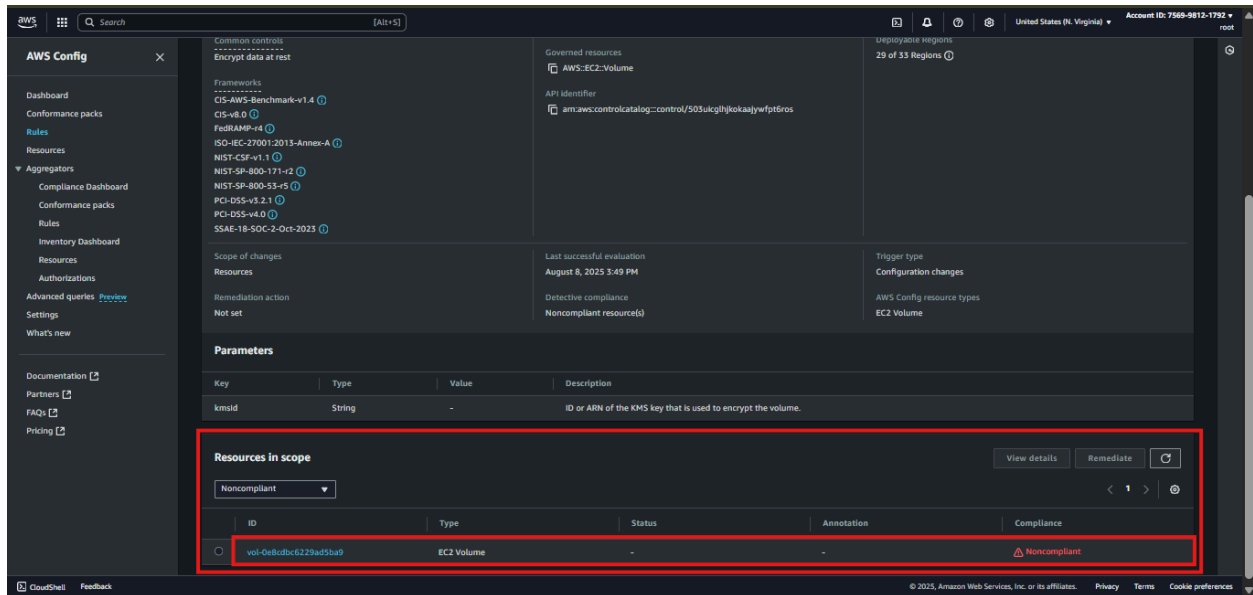
Unencrypted EBS volumes violate our encryption-at-rest policy and introduce compliance risks under standards like HIPAA and PCI-DSS.

We Launched an EC2 instance with an unencrypted root EBS volume.

- We created an EC2 instance with an unencrypted volume.

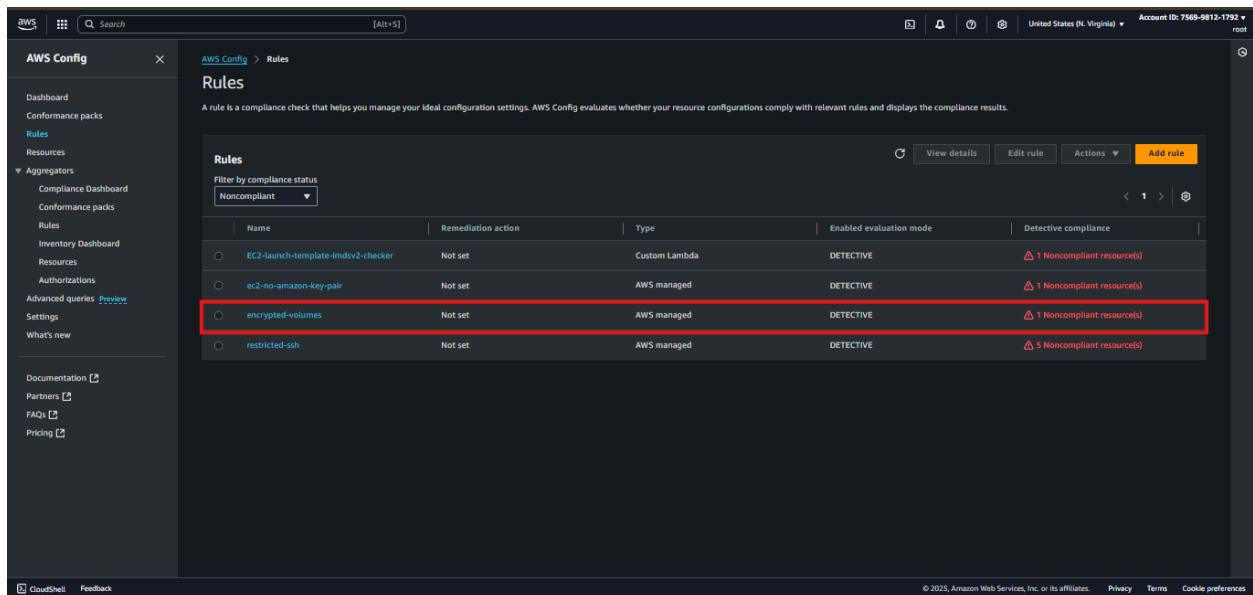


- AWS Config immediately flagged it as **NON_COMPLIANT**.



- So We created an EC2 instance with an unencrypted volume.
- AWS Config immediately flagged it

AWS Config updated the resource to **COMPLIANT**. We confirmed our ability to enforce encryption on all persistent storage.



3. S3 Bucket Public Access Control

Rule: `s3-bucket-public-read-prohibited`

Public S3 buckets risk accidental or malicious exposure of sensitive data.

- We created a new S3 bucket and granted public read permissions.

The screenshot shows the 'Create bucket' page in the AWS console. The 'General configuration' section is active, showing the following settings:

- AWS Region:** US East (N. Virginia) us-east-1
- Bucket type:** General purpose (selected), Directory (unselected)
- Bucket name:** compliance-s3-bucket
- Copy settings from existing bucket - optional:** Choose bucket (button)
- Object Ownership:** ACLs disabled (recommended) (selected), ACLs enabled (unselected)
- Object Ownership:** Bucket owner enforced
- Block Public Access settings for this bucket:** Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

The screenshot shows the 'Create bucket' page in the AWS console, with the 'Block Public Access settings for this bucket' section expanded. The settings are as follows:

- Block Public Access settings for this bucket:** Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)
- Block all public access:** ☒ (selected)
- Block public access to buckets and objects granted through new access control lists (ACLs):** ☒ (selected)
- Block public access to buckets and objects granted through any access control lists (ACLs):** ☒ (selected)
- Block public access to buckets and objects granted through new public bucket or access point policies:** ☒ (selected)
- Block public and cross-account access to buckets and objects through any public bucket or access point policies:** ☒ (selected)
- Bucket Versioning:** ☒ Disable (selected), ☐ Enable (unselected)
- Tags - optional (0):** No tags associated with this bucket. [Add new tag](#) (button)

- Created Policy for our S3 using policy generator

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect

☒ Allow
☐ Deny

Principal

*

Use a comma to separate multiple values.

Actions

☐ All Actions (***)
 --Select Actions--

DeleteObject X GetObject X PutObject X ReplicateObject X RestoreObject X

Amazon Resource Name (ARN)

☐ All Resources (***)
 arn:aws:s3:::my-bucket-ty

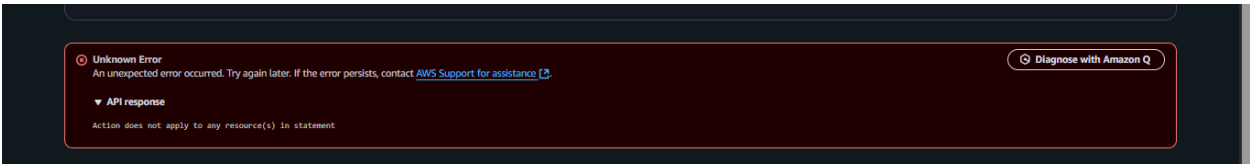
ARN should follow the following format: arn:aws:s3:::{BucketName}/{KeyName}. Use a comma to separate multiple values.

► Add conditions (optional)

Add Statement

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Statement1",
      "Effect": "Allow",
      "Principal": "*",
      "Action": [
        "s3:DeleteObject",
        "s3:GetObject",
        "s3:PutObject",
        "s3:ReplicateObject",
        "s3:RestoreObject"
      ],
      "Resource": "arn:aws:s3:::my-bucket-ty/*"
    }
  ]
}
```

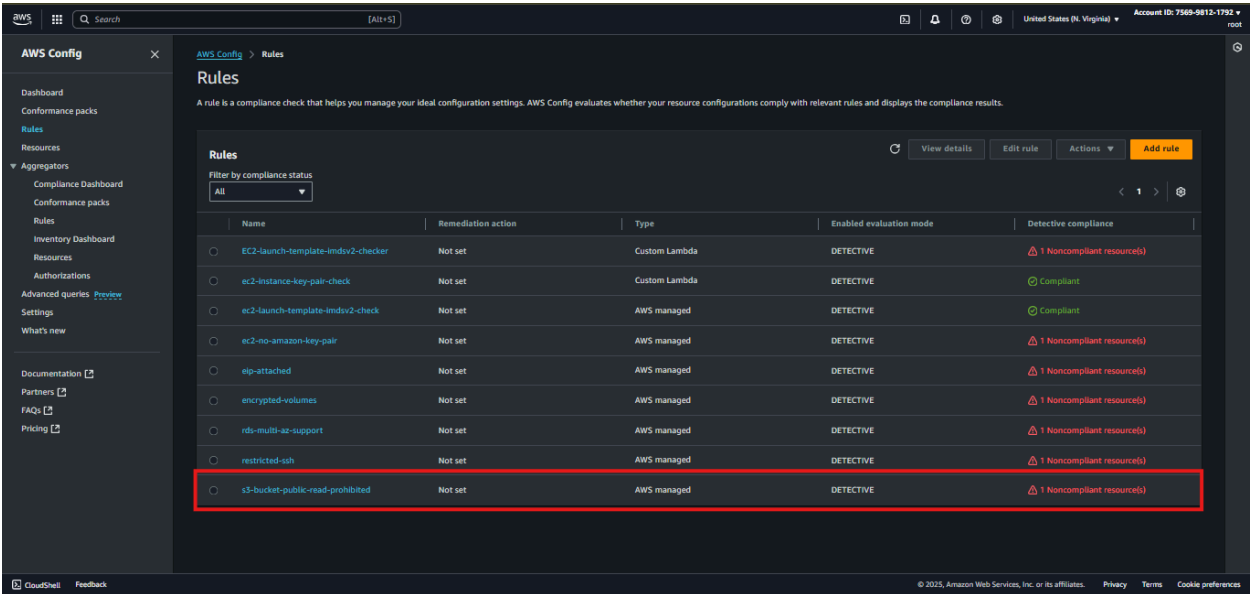
So we got issue here because of trying to add the S3 bucket as the direct resource,



S3 Buckect itself can't be assesed as a rosource but what inside

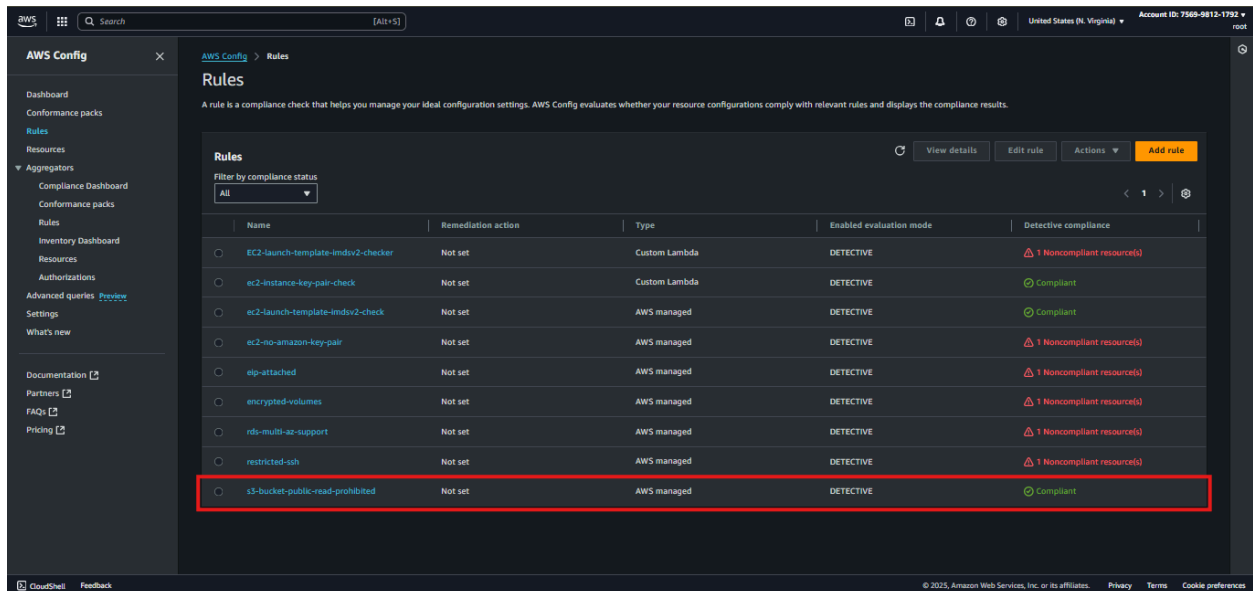
So we added `/*` at the end of the ARN of the S3 bucket and the error was raised off

- AWS Config detected and marked it as **NON-OMPLIANT** .



- We blocked public access using the S3 **Block Public Access** feature and removed all public ACLs.

AWS Config marked the bucket as **COMPLIANT**. This reinforced our access control posture for object storage.



The screenshot shows the AWS Config 'Rules' page. A table lists various rules with columns for Name, Remediation action, Type, Enabled evaluation mode, and Detective compliance. The rule 's3-bucket-public-read-prohibited' is highlighted with a red box and shows a 'Compliant' status.

Name	Remediation action	Type	Enabled evaluation mode	Detective compliance
EC2-launch-template-idsv2-checker	Not set	Custom Lambda	DETECTIVE	1 Noncompliant resource(s)
ec2-instance-key-pair-check	Not set	Custom Lambda	DETECTIVE	Compliant
ec2-launch-template-idsv2-check	Not set	AWS managed	DETECTIVE	Compliant
ec2-no-amazon-key-pair	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
elb-attached	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
encrypted-volumes	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
rdi-multi-az-support	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
restricted-ssh	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
s3-bucket-public-read-prohibited	Not set	AWS managed	DETECTIVE	Compliant

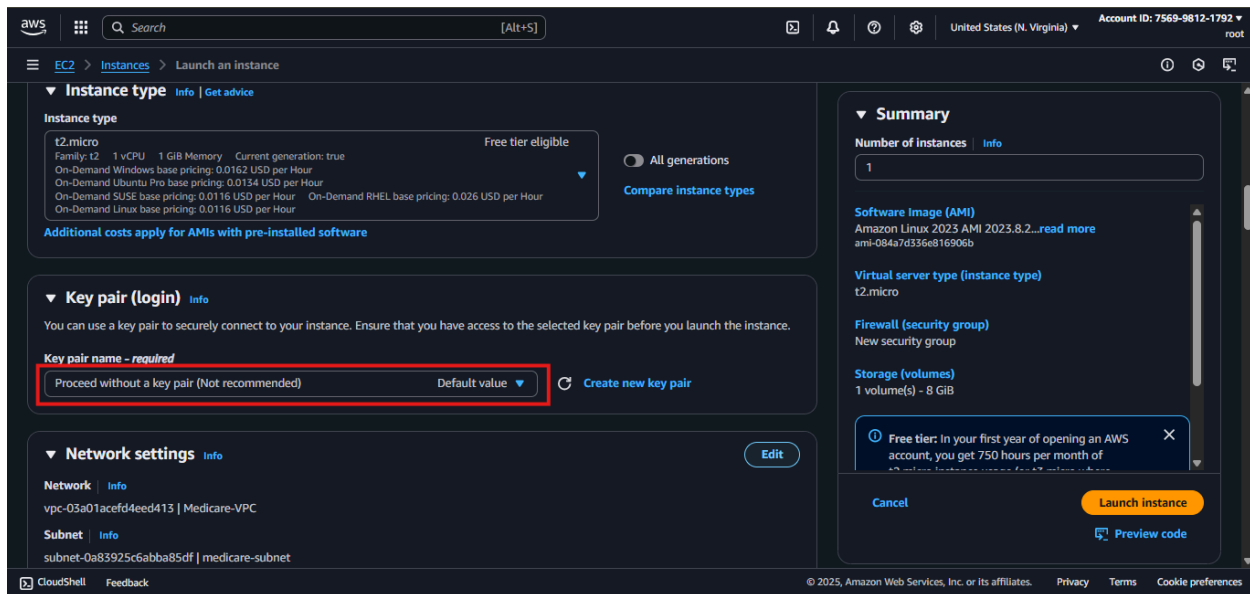
4. EC2 Without Key Pair

Rule: **ec2-no-amazon-key-pair**

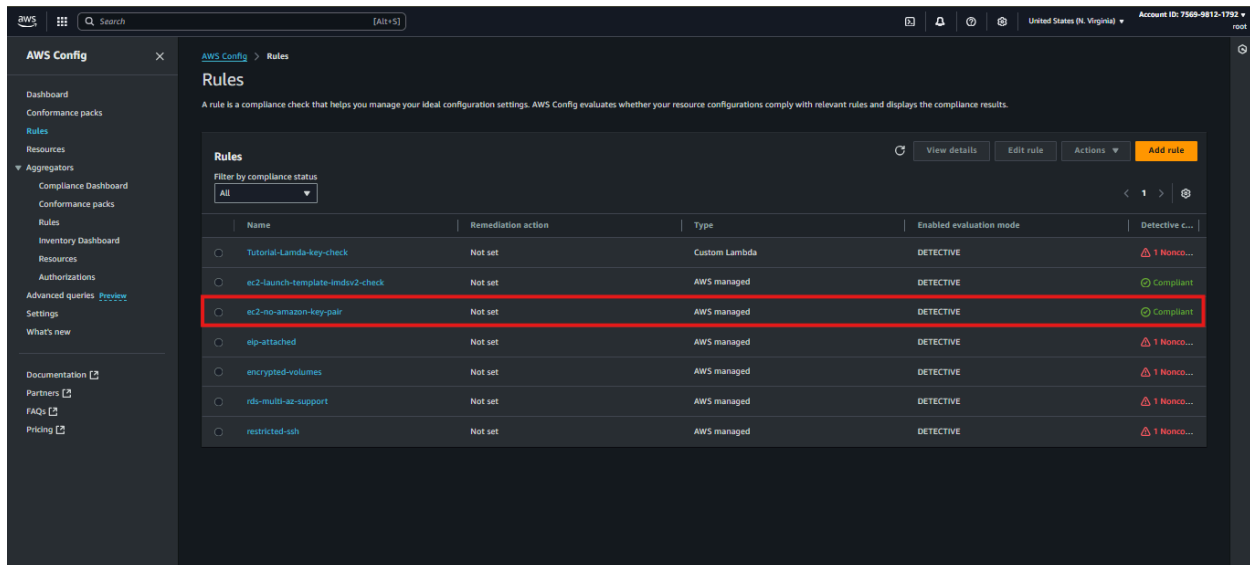
Launching Instances without key pairs prevent secure SSH access and risk operational lockouts.

We Launched an EC2 instance without associating a key pair.

- We launched the instance without any key pair.

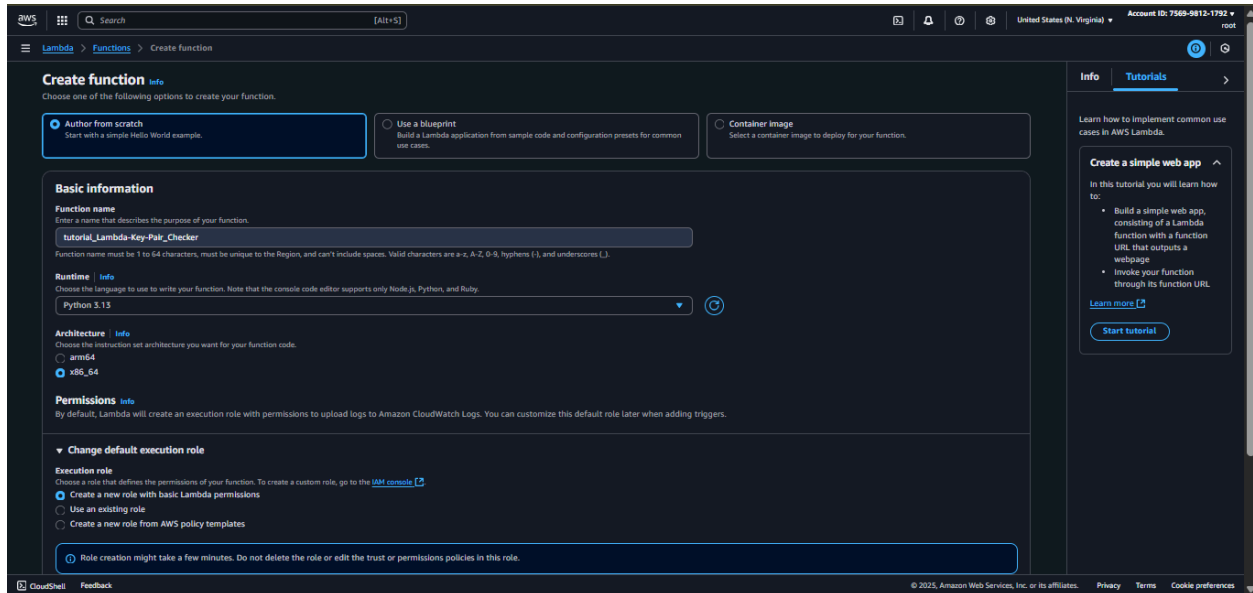


- AWS Config flagged the resource as **COMPLIANT** . We noticed that the rule said it "Checks if running Amazon Elastic Compute Cloud (EC2) instances are launched using amazon key pairs. The rule is NON_COMPLIANT if a running EC2 instance is launched with a key pair."



- But this is very confusing and if by chance another people is to be in our position. They not find out about the rule description soon.

- So we tried to create a new rule using lambda and IAM role.
- created a function and set the **“Change default execution role”** to Create a new role with basic Lambda permissions



- open the new lambda function and inserted the python code which we wrote basically to obtain

resource properties of our EC2 instance which our target was “key-pair”.

▼ Click to view Python code

```
import json
import boto3
import os
import datetime

# Initialize the AWS Config client
CONFIG_CLIENT = boto3.client('config')

def lambda_handler(event, context):
```

```

"""
The main handler for the AWS Lambda function.
It receives an event from AWS Config and evaluates the compliance of a
n
EC2 Instance by checking for an attached key pair.

Args:
    event (dict): The event object from AWS Config.
    context (object): The context object for the Lambda function.
"""
print("Received event: " + json.dumps(event, indent=2))

invoking_event = json.loads(event['invokingEvent'])
configuration_item = invoking_event['configurationItem']
result_token = event['resultToken']

# Extract resource information
resource_type = configuration_item['resourceType']
resource_id = configuration_item['resourceId']
ordering_timestamp = configuration_item['configurationItemCaptureTime']

compliance_type = 'NOT_APPLICABLE'
annotation = 'This resource type is not applicable for this rule.'

# Check for a valid resource type and configuration.
# The configuration data might not be present for all event types
# (e.g., when a resource is deleted), so we check for it explicitly.
if resource_type != 'AWS::EC2::Instance':
    print(f"Skipping evaluation for non-EC2 resource type: {resource_type}")
    return {
        'statusCode': 200,
        'body': json.dumps('Not applicable resource type')
    }

```

```

# --- Check EC2 Instance for a key pair ---
try:
    # We add a check to make sure the 'configuration' key exists and is not None.
    # This prevents the 'NoneType' error you were seeing.
    config_data = configuration_item.get('configuration')

    if config_data:
        key_name = config_data.get('keyName')

        if key_name:
            compliance_type = 'COMPLIANT'
            annotation = f"EC2 Instance has key pair: {key_name}"
        else:
            compliance_type = 'NON_COMPLIANT'
            annotation = "EC2 Instance is missing a key pair."
        else:
            # If the configuration data is missing, we consider it not applicable
            # for this rule's evaluation.
            compliance_type = 'NOT_APPLICABLE'
            annotation = "Configuration data not available for this event."

except Exception as e:
    print(f"Error evaluating resource {resource_id}: {e}")
    compliance_type = 'NON_COMPLIANT'
    annotation = f"Failed to evaluate EC2 Instance: {e}"

# Submit the evaluation results to AWS Config
evaluations = [{
    'ComplianceResourceType': resource_type,
    'ComplianceResourceId': resource_id,
    'ComplianceType': compliance_type,
    'Annotation': annotation,
    'OrderingTimestamp': ordering_timestamp
}]

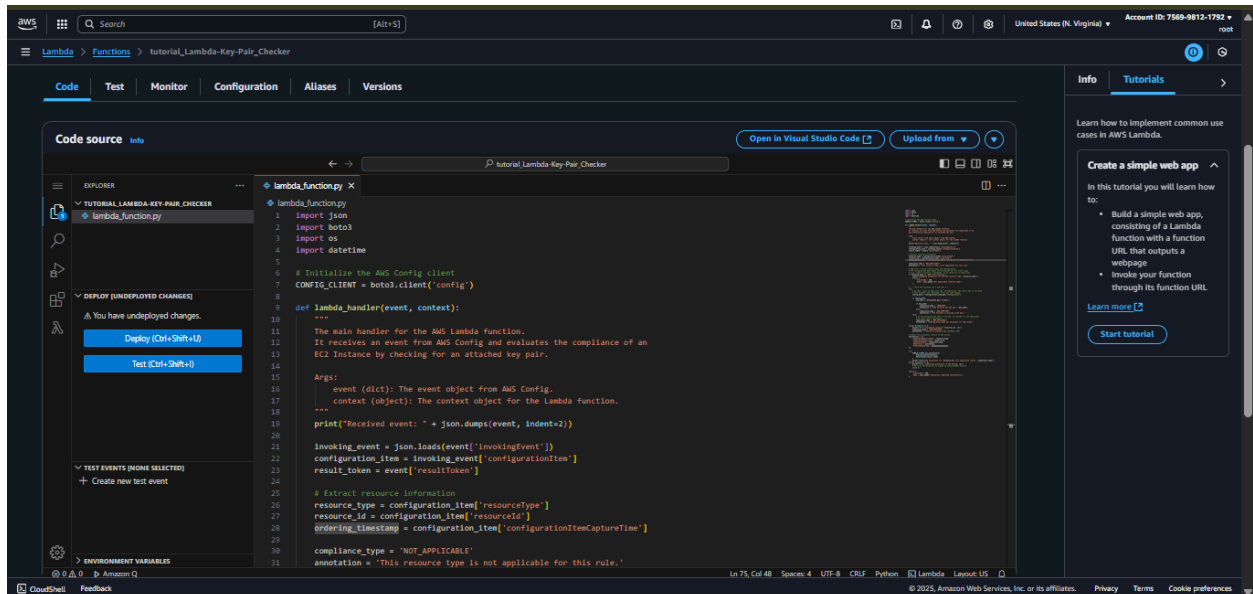
```

```

try:
    CONFIG_CLIENT.put_evaluations(
        Evaluations=evaluations,
        ResultToken=result_token
    )
    print(f"Submitted evaluation for {resource_id} with compliance status:
{compliance_type}")
except Exception as e:
    print(f"Error submitting evaluation to AWS Config: {e}")
    # Re-raise the exception to signal an unrecoverable failure
    raise e

return {
    'statusCode': 200,
    'body': json.dumps('Evaluation submitted successfully')
}

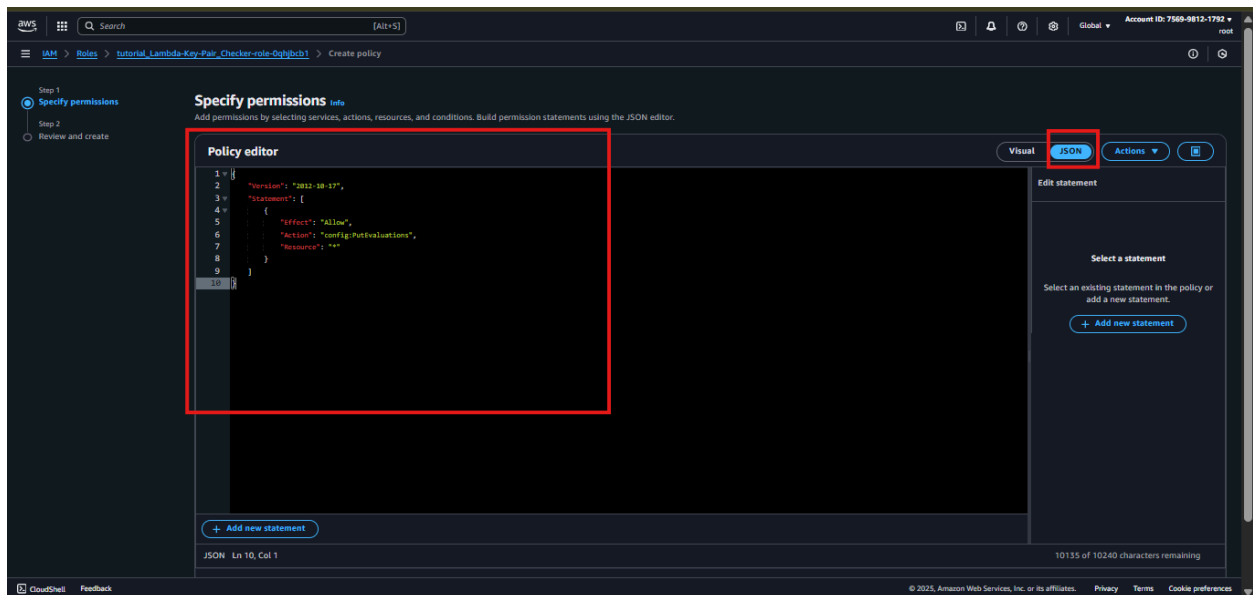
```



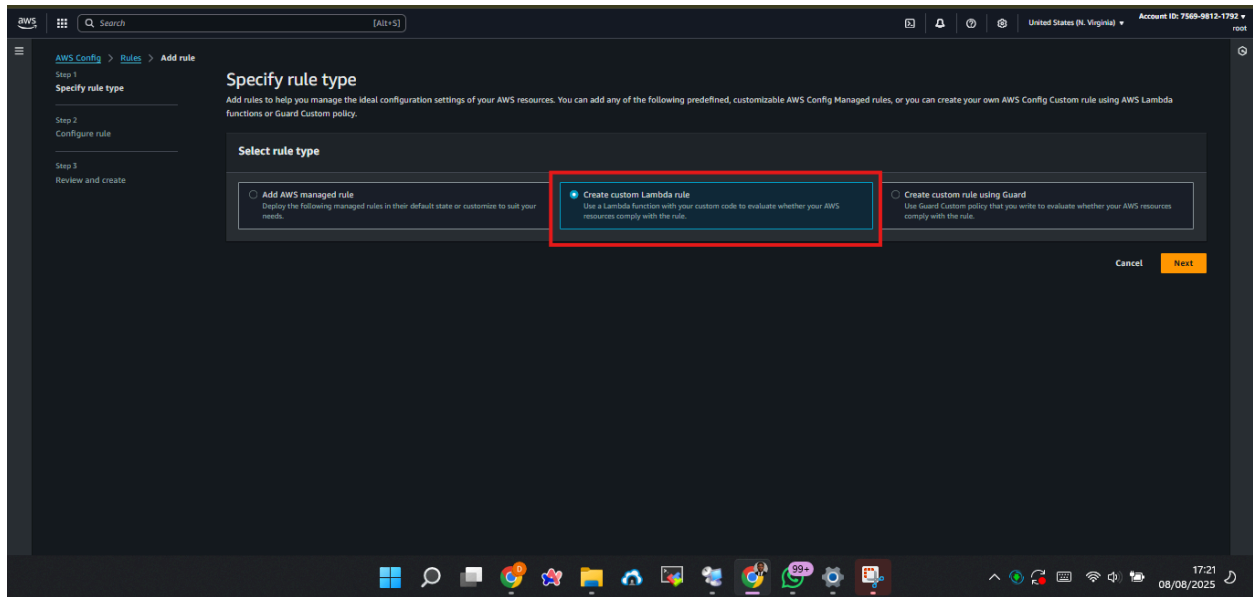
- Then We Attached an inline policy to the new role created by the lambda function using JSON code

▼ Click to view JSON code

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": "config:PutEvaluations",
      "Resource": "*"
    }
  ]
}
```



- Created a new Rule using "Create custom Lambda rule" Option



We named our rule

Added a description

Added the ARN of our Lambda Function

Selected trigger type

And then choosed resource type the Lambda rule should to fetch, which is "AWS EC2 instance"

Name
A unique name for the rule. 128 characters max. No special characters or spaces.
ec2-instance-key-pair-check

Description - optional
Description for the rule. Evaluate and know in the resource that don't comply.
it check if an EC2 server or instance has a key pair

AWS Lambda Function ARN
The AWS Lambda function that evaluates whether your AWS resources comply with the rule. AWS Config invokes this function when the rule is triggered.
arn:aws:lambda:us-east-1:756998121792:function:tutorial_Lambda-Key-Pair_Checker

Evaluation mode

☐ Turn on proactive evaluation
Enable evaluation of resources prior to provisioning

☒ Turn on detective evaluation
Enable evaluation of resources which have been provisioned

Trigger type
AWS Config evaluates resources when the trigger occurs.

☒ When configuration changes
Runs when there are changes to your specified AWS resources

☐ Periodic
Runs on the frequency that you choose

Scope of changes
Choose when evaluations will occur.

☐ All changes
When any resource recorded by AWS Config is created, changed, or deleted

☒ Resources
When any resource that matches the specified type, or the type plus identifier, is created, changed, or deleted

☐ Tags
When any resource with the specified tag is created, changed, or deleted

Resources
This rule can be triggered only when the recorded resources are created, edited, or deleted. Specify the resources to record by editing the Settings page.

Resource category
All resource categories

Resource type
Multiple selected

Resource identifier - optional
Enter resource identifier

- The Lambda AWS Config Rule flagged the resource as **NON-COMPLIANT**

Rules

This rule can be triggered only when the recorded resources are created, edited, or deleted. Specify the resources to record by editing the Settings page.

Name	Remediation action	Type	Enabled evaluation mode	Detective compliance
Tutorial-Lambda-key-check	Not set	Custom Lambda	DETECTIVE	Deleting...
ec2-instance-key-pair-check	Not set	Custom Lambda	DETECTIVE	1 Noncompliant resource(s)
ec2-launch-template-ipv2-check	Not set	AWS managed	DETECTIVE	Compliant
ec2-no-amazon-key-pair	Not set	AWS managed	DETECTIVE	Compliant
elb-attached	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
encrypted-volumes	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
rds-multi-az-support	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
restricted-ssh	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)

Rule details

Description: It checks if an EC2 server or instance has a key pair.

Config rule ARN: arn:aws:config:us-east-1:756998121792:config-rule/config-rule-xmfujs

Enabled evaluation mode: **DETECTIVE**

Last successful detective evaluation: August 8, 2025 6:09 PM

Detective evaluation trigger type:

- Oversized configuration changes
- Configuration changes

Scope of changes:

- Resources
- Resource types: EC2 Instance

Resources in scope

Filter: Noncompliant

ID	Type	Status	Annotation	Compliance
i-0d20a496454f17a21	EC2 Instance	-	EC2 Instance is missing a key pair.	Noncompliant

- So We terminated and relaunched the instance with a valid key pair attached.

AWS Config marked the instance as **COMPLIANT**, ensuring operational access security.

Rules

A rule is a compliance check that helps you manage your ideal configuration settings. AWS Config evaluates whether your resource configurations comply with relevant rules and displays the compliance results.

Filter by compliance status: All

Name	Remediation action	Type	Enabled evaluation mode	Detective compliance
EC2-launch-template-implv2-checker	Not set	Custom Lambda	DETECTIVE	1 Noncompliant resource(s)
ec2-instance-key-pair-check	Not set	Custom Lambda	DETECTIVE	Compliant
ec2-launch-template-implv2-check	Not set	AWS managed	DETECTIVE	Compliant
ec2-no-aws-key-pair	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
elb-attached	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
encrypted-volumes	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
rds-multi-az-support	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
restricted-ssh	Not set	AWS managed	DETECTIVE	1 Noncompliant resource(s)
s3-bucket-public-read-prohibited	Not set	AWS managed	DETECTIVE	Compliant

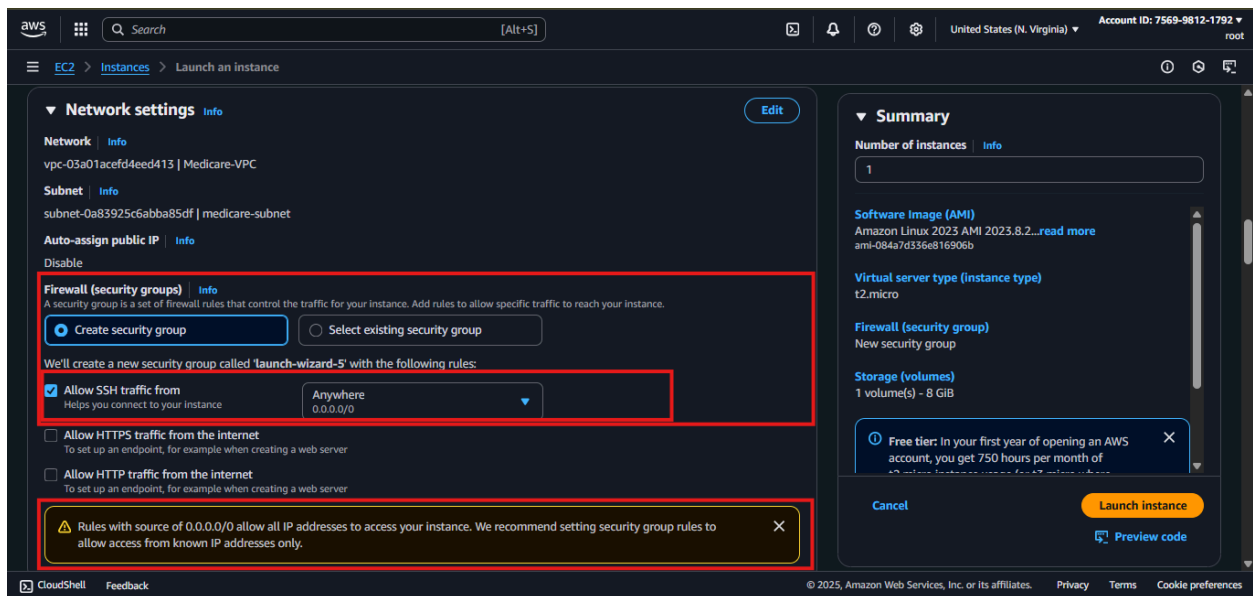
5. Public SSH Restriction

Rule: `restricted-ssh`

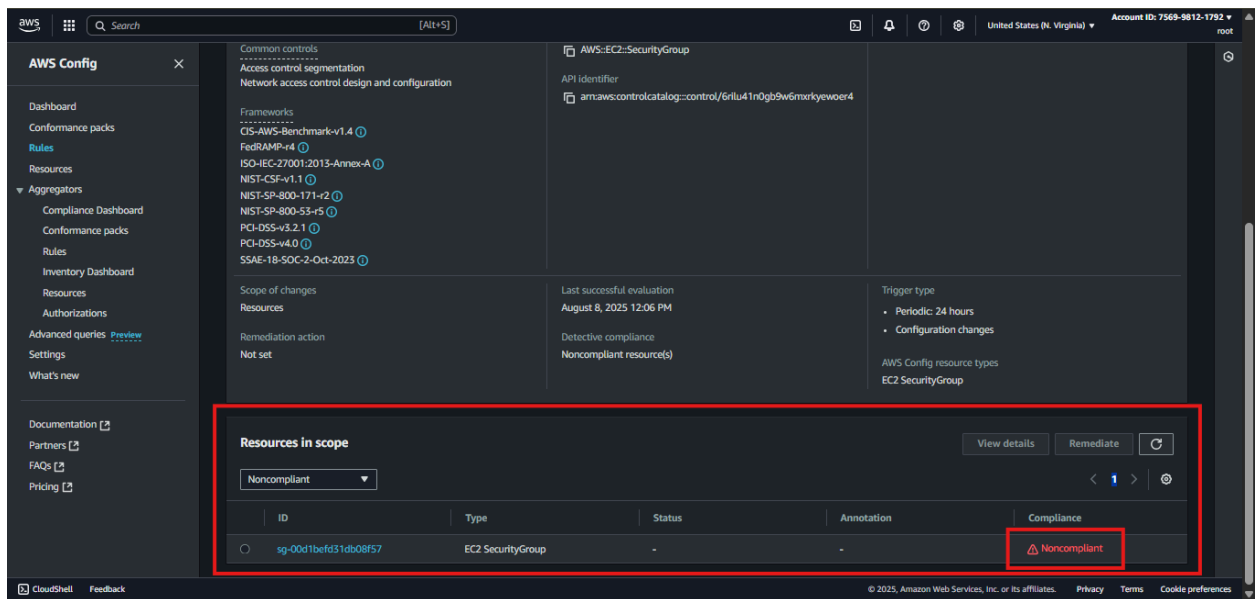
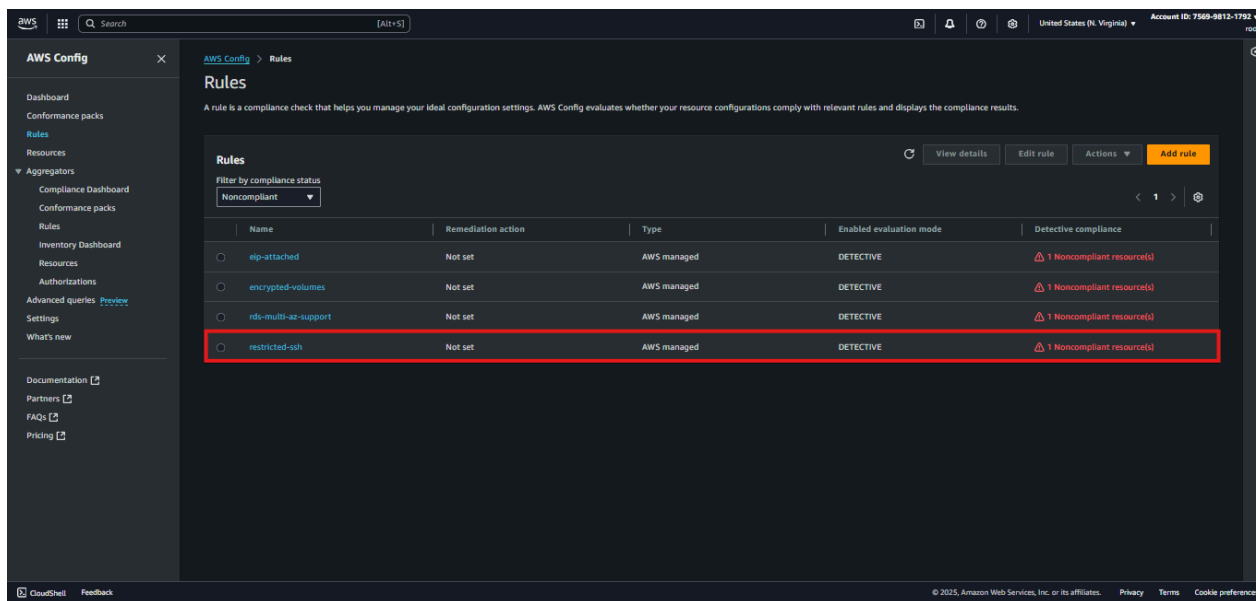
Allowing SSH from `0.0.0.0/0` exposes instances to potential brute-force attacks.

Open SSH access to all IPs.

- We updated a Security Group to allow inbound port 22 from all IPs.

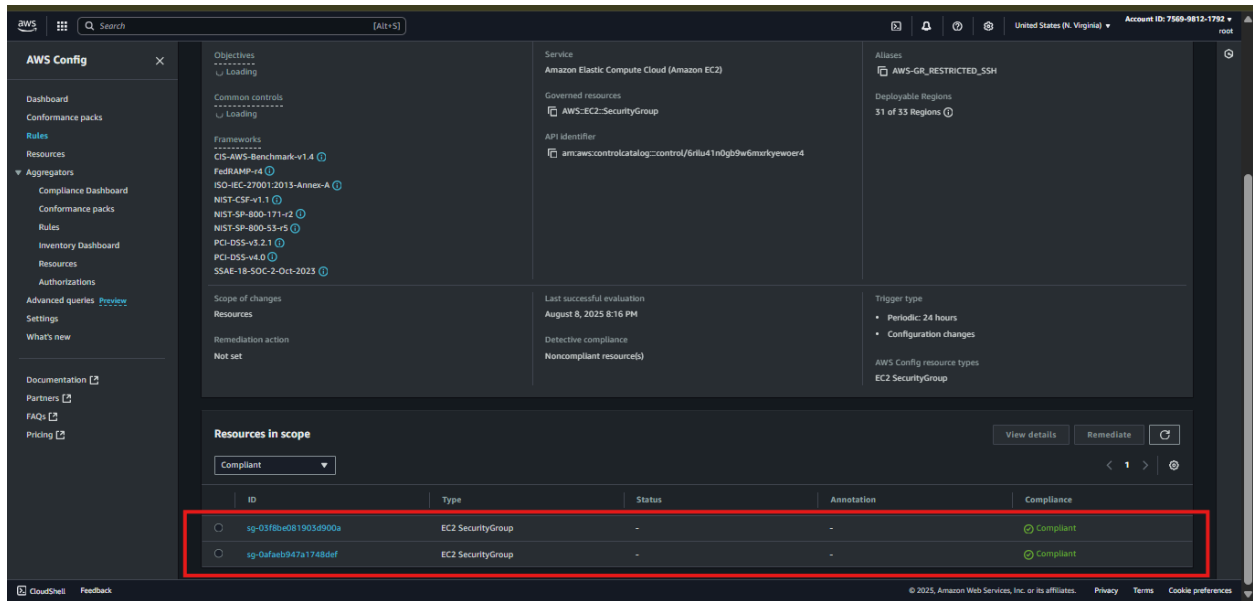


- AWS Config flagged it as `NON_COMPLIANT`.



- We restricted SSH to our approved office IP ranges.

The resource returned to **COMPLIANT**, maintaining our least-privilege network access policy.



6. Root Account MFA

Rule: `root-account-mfa-enabled`

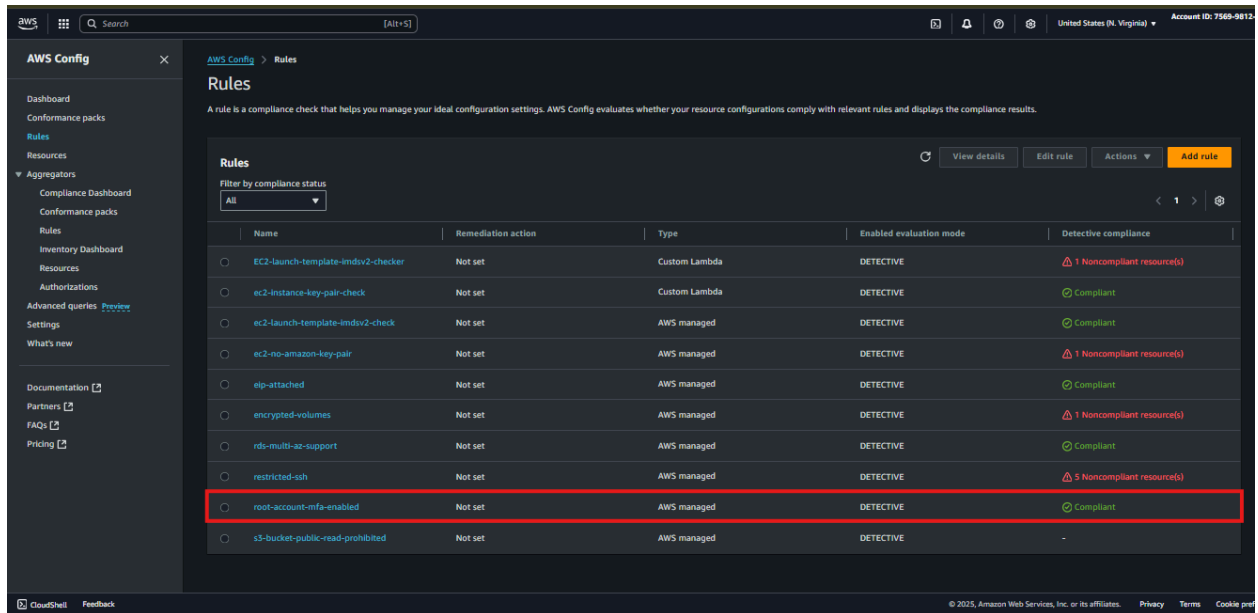
The root account has full privileges; without MFA, it is highly vulnerable.

Leave MFA disabled on the root account.

- We verified the account was operating without MFA.
- AWS Config flagged it as **COMPLIANT**. So we waited and for it to flag **NON-COMPLIANT** But did not get any result

- We set up a virtual MFA device and activated MFA protection.

The account is now **COMPLIANT**, aligning with our account hardening standards.



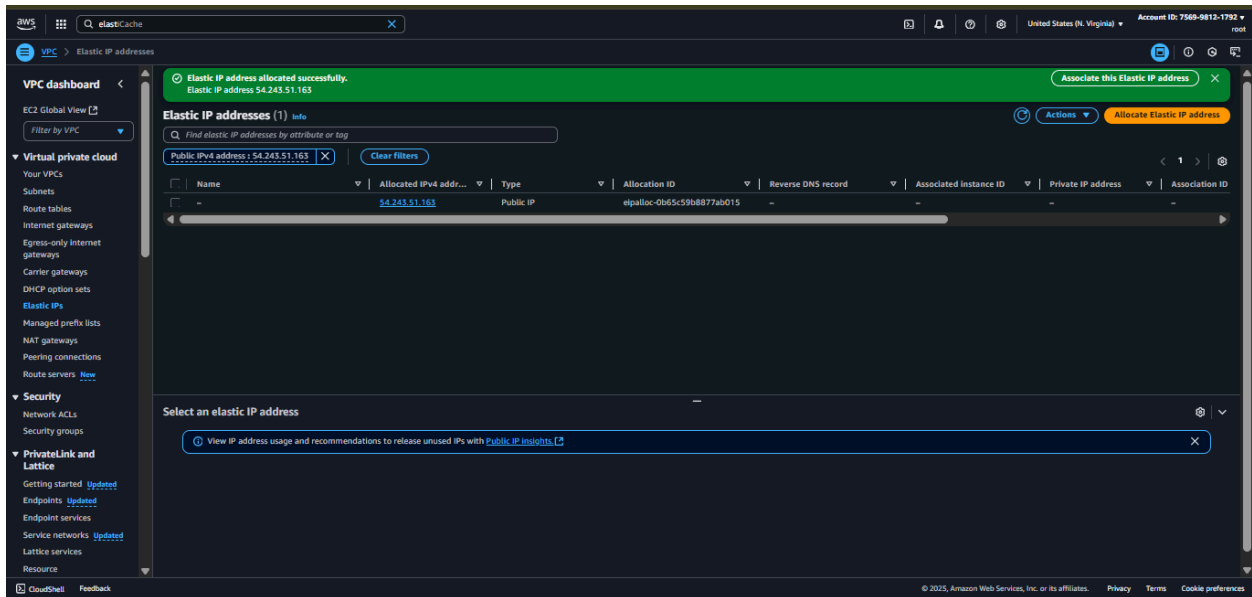
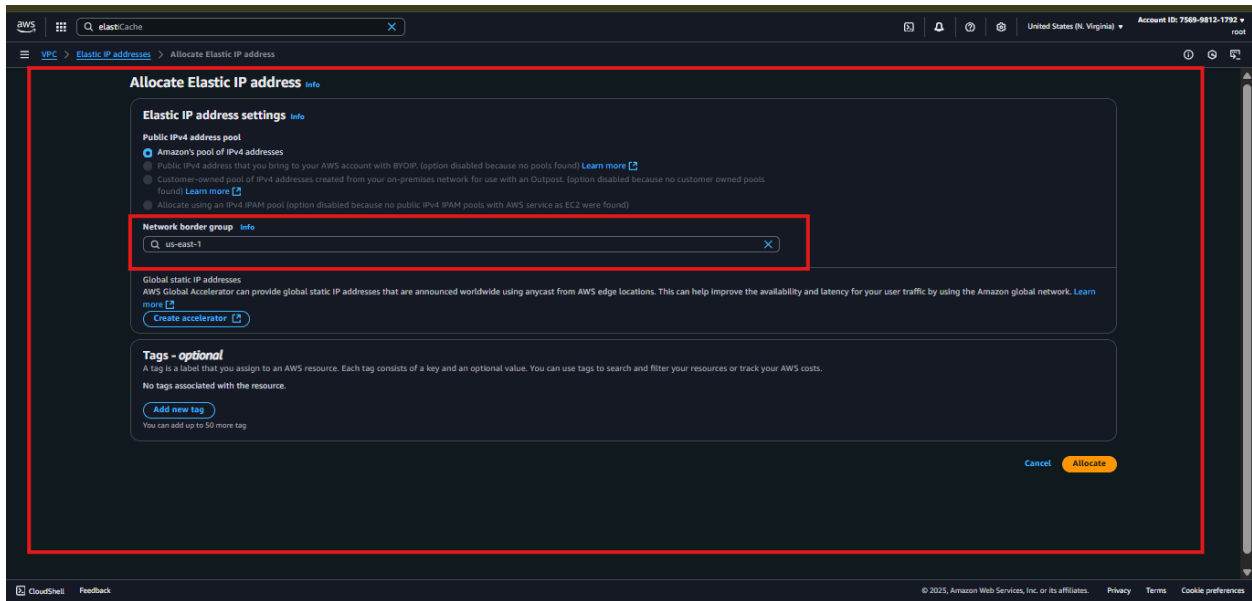
7. Elastic IP Attachment Check

Rule: `eip-attached`

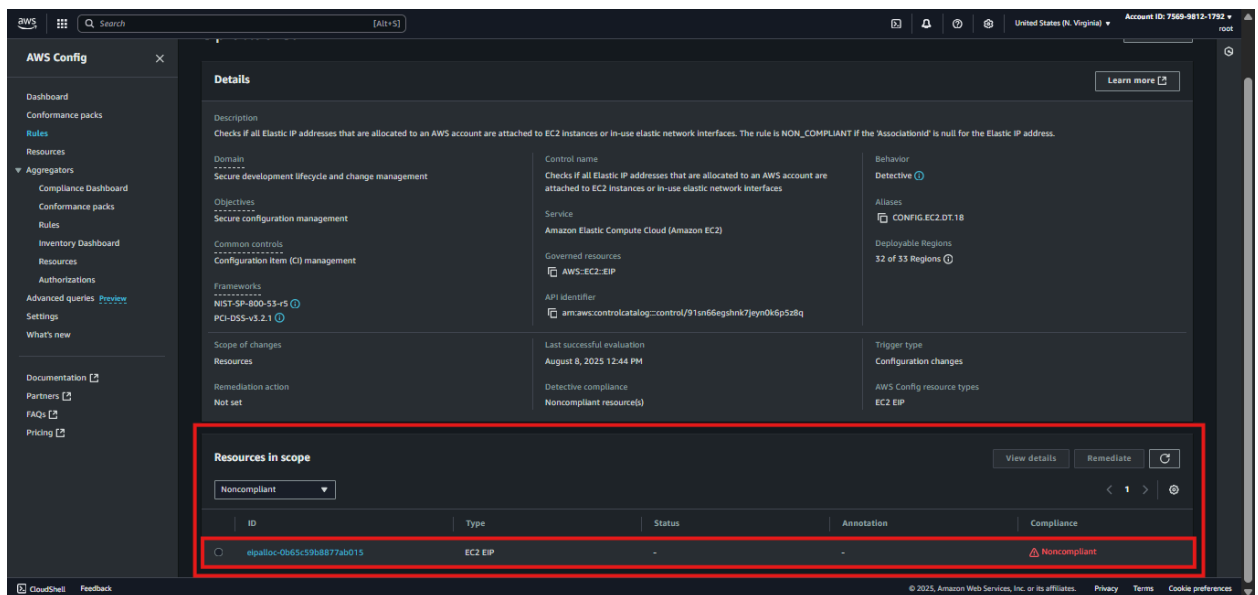
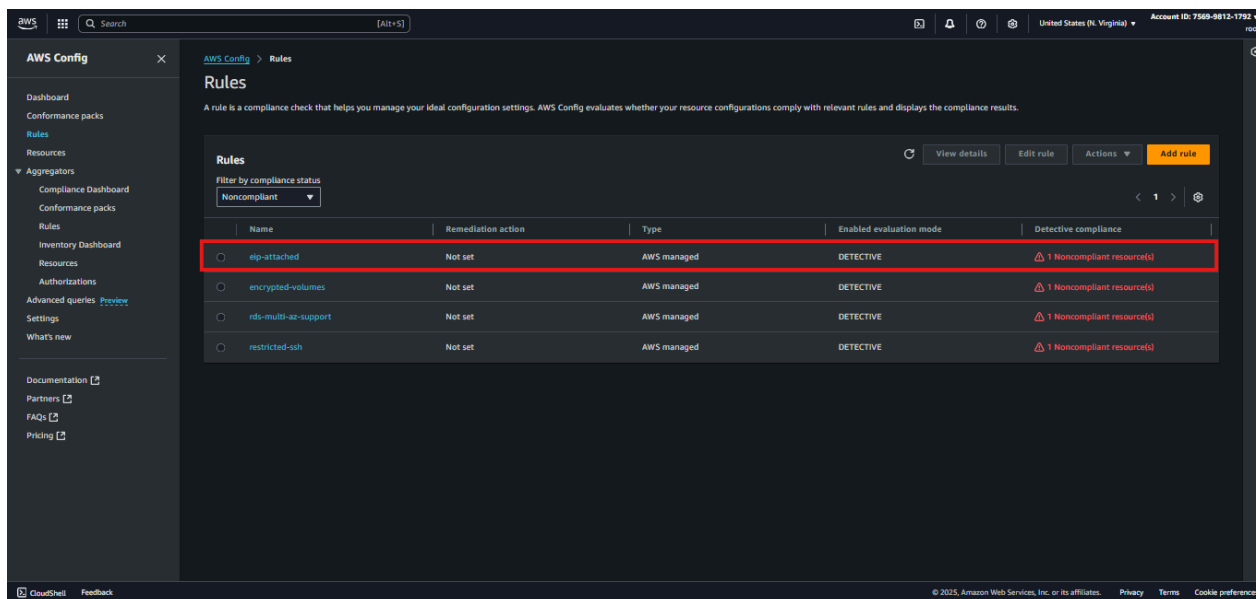
Unattached Elastic IPs incur costs and waste network resources.

Allocated an Elastic IP without attaching it.

- We allocated an EIP and left it unattached.

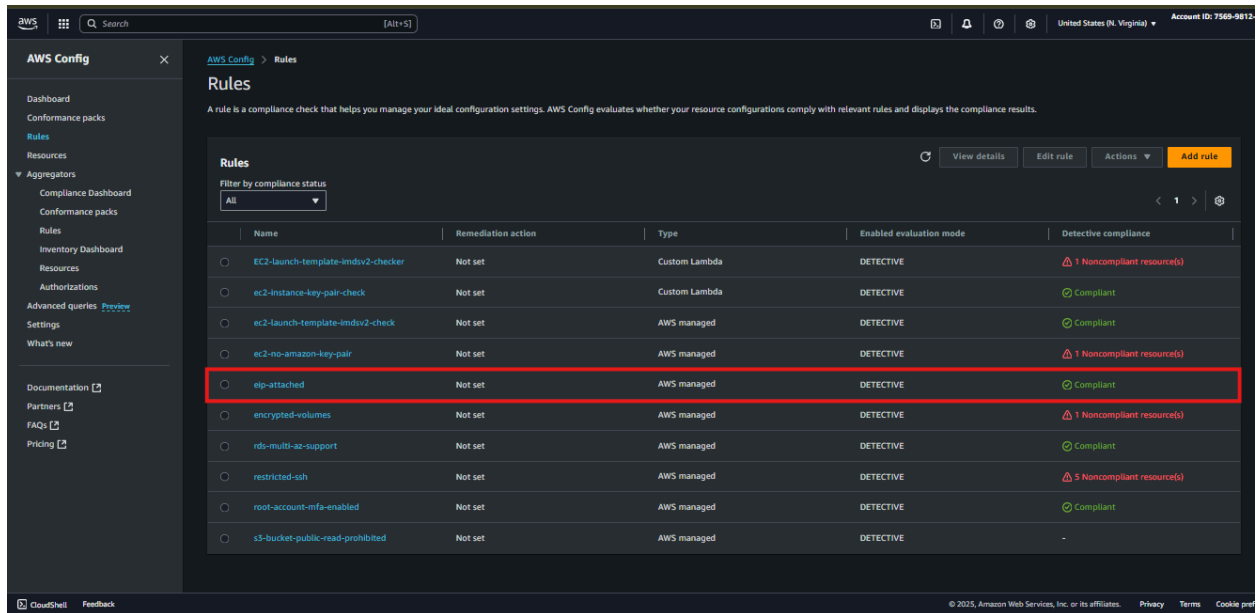


- AWS Config flagged it as **NON_COMPLIANT**.



- We attached the EIP to a running instance.

The resource became **COMPLIANT**, ensuring optimal IP resource use.



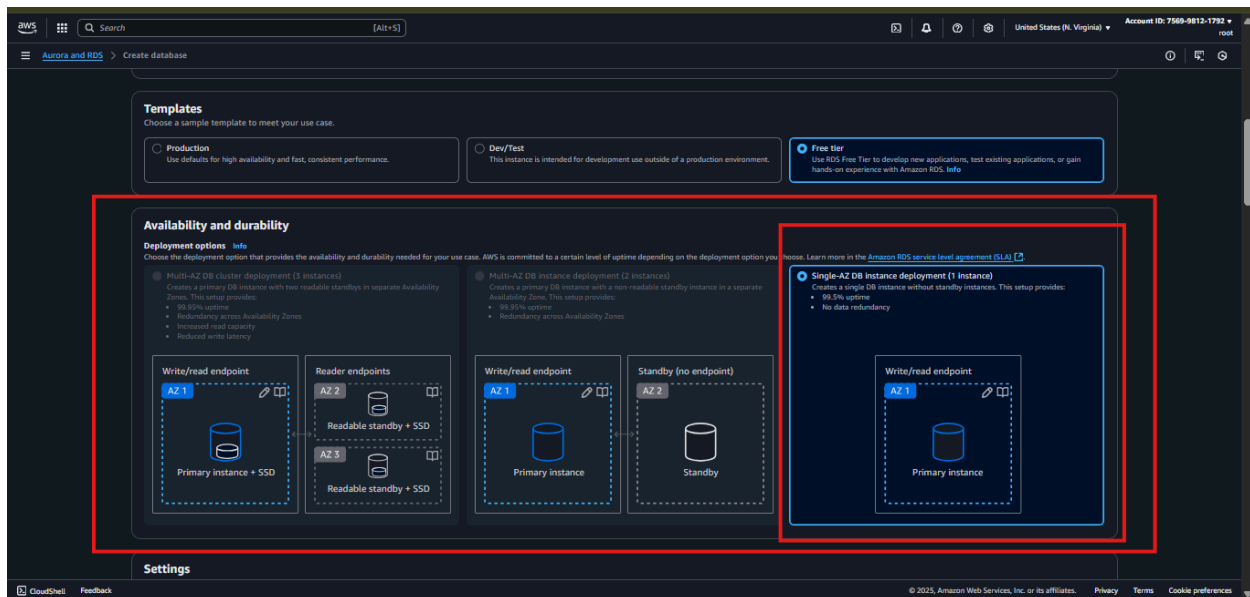
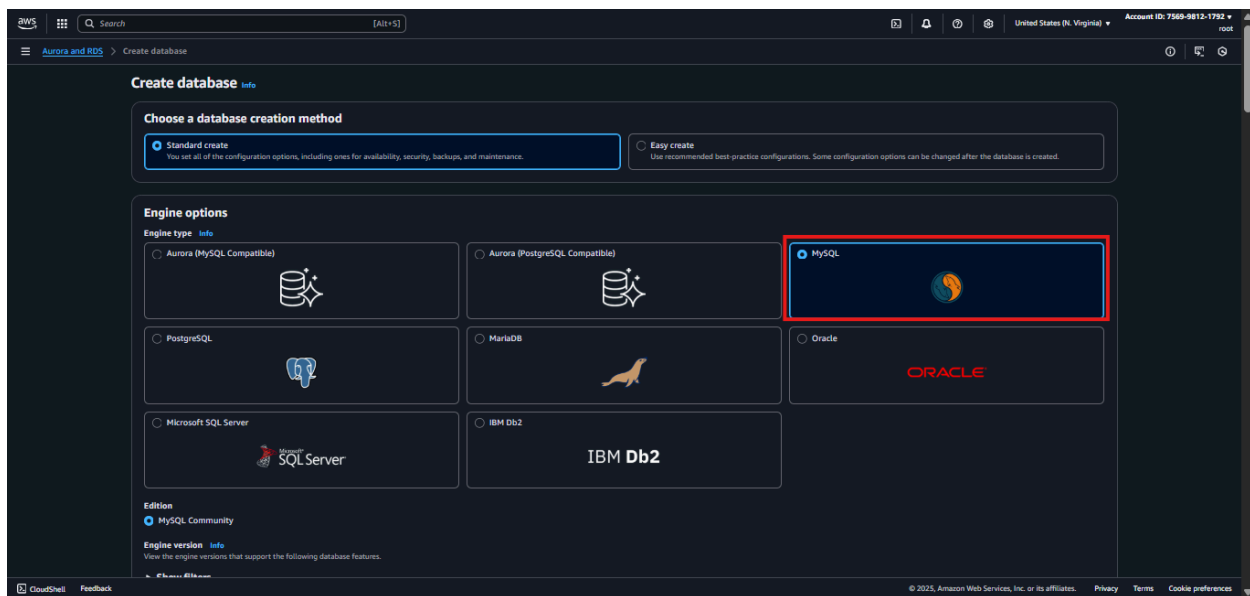
8. RDS Multi-AZ Enforcement

Rule: `rds-multi-az-support`

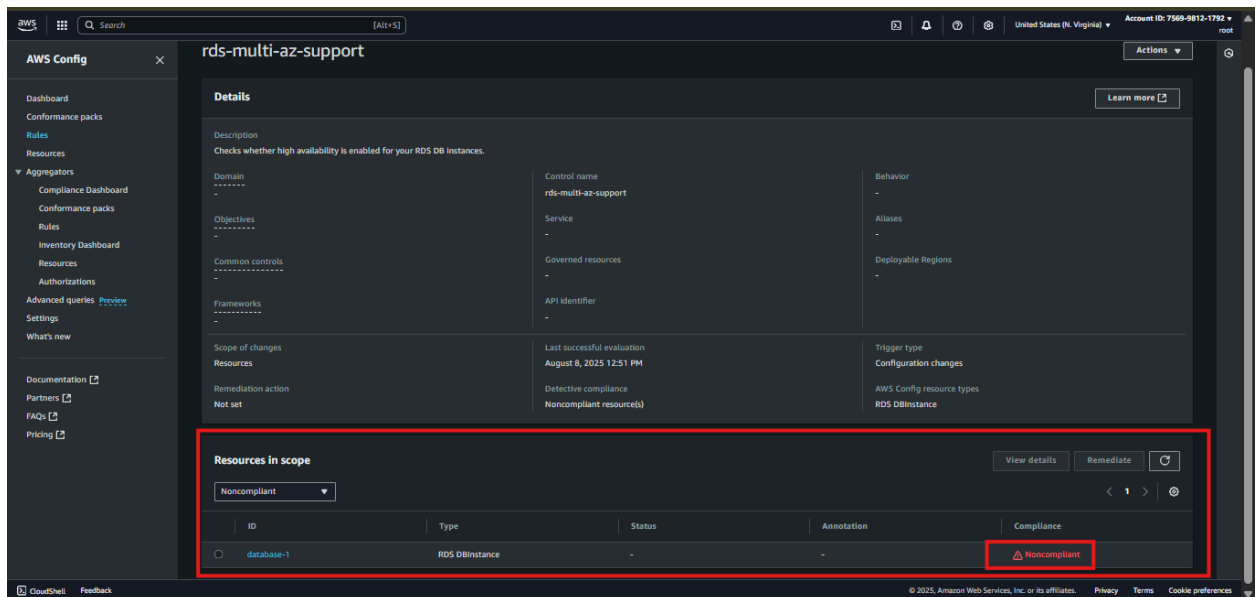
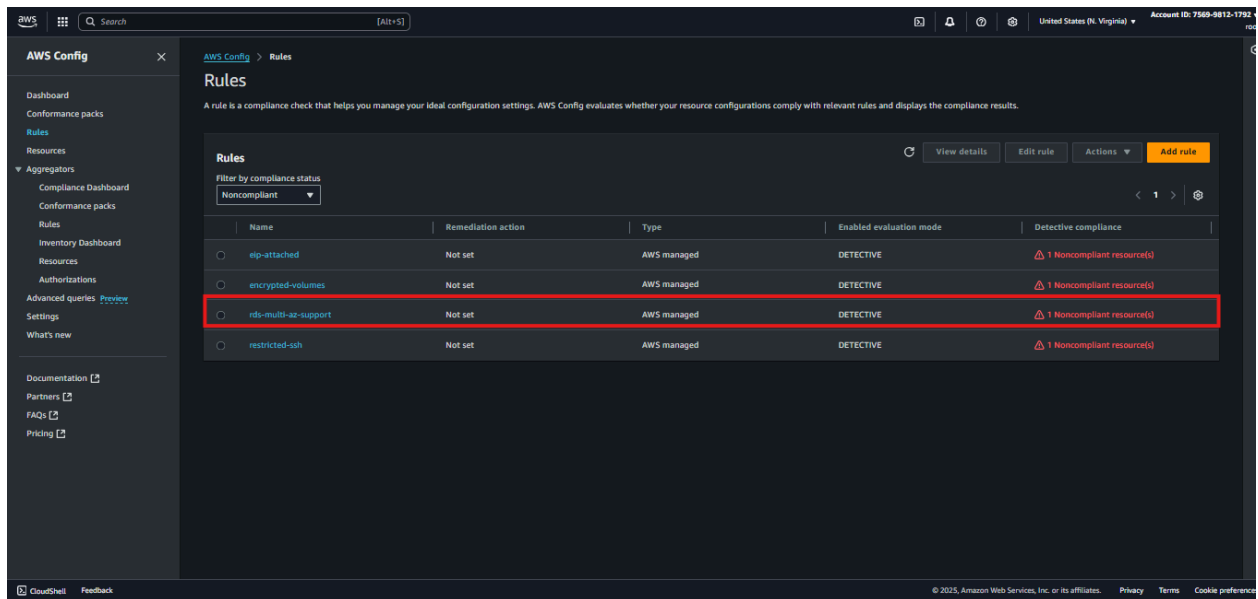
Single-AZ RDS deployments can cause outages during AZ failures.

So We Launched RDS instance in Single-AZ mode.

- We created the RDS instance without Multi-AZ.

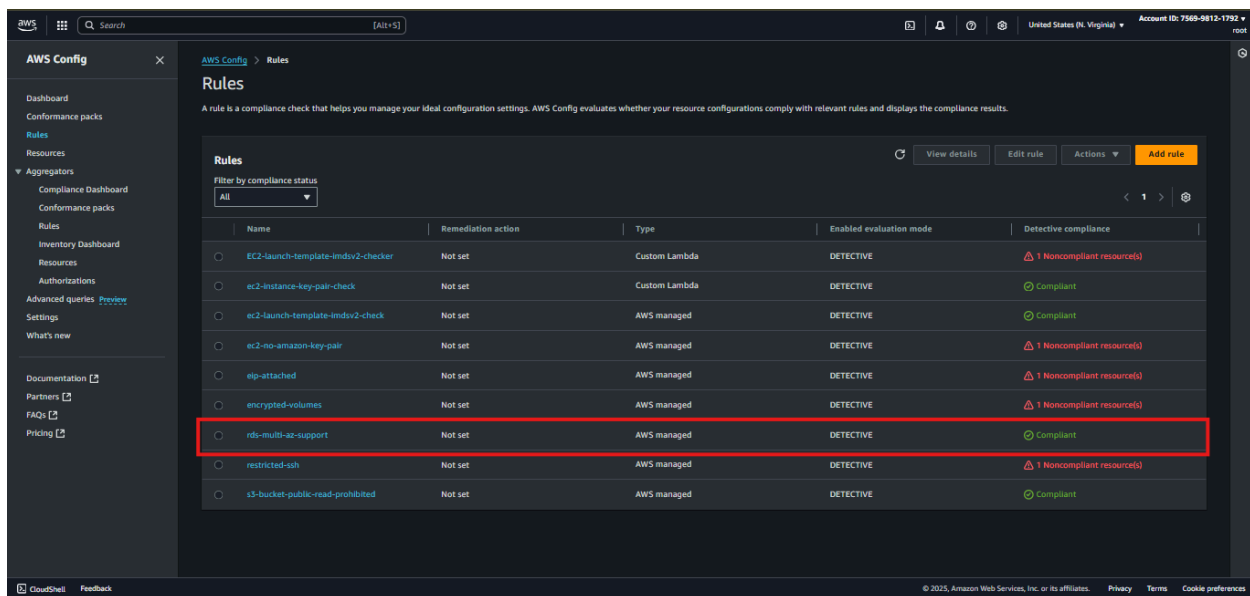


- AWS Config flagged it as **NON_COMPLIANT**.



- We modified it to enable Multi-AZ replication.

AWS Config marked the instance **COMPLIANT**, improving resilience and availability.



Challenges Encountered

1. **S3 Bucket Policy Conflicts** – Pre-existing bucket policies conflicted with the project's compliance rules, causing repeated non-compliance alerts until corrected.
2. **Rule Evaluation Delay** – AWS Config's evaluation latency caused a lag between remediation and updated compliance status, which slowed verification.
3. **Cross-Region Configuration Gaps** – Some compliance rules did not propagate across all targeted regions, requiring manual synchronization.

Despite these issues, We effectively applied troubleshooting measures, revised IAM policies, updated resource configurations, and achieved **full compliance restoration** across all tested rules.

▼ This project's success was made possible by the dedication, expertise, and collaborative effort of the **Cloud Infrastructure Engineering Team**.

Every member contributed to the planning, execution, validation, and documentation of the AWS Config compliance enforcement scenarios. The following individuals are recognized for their active participation and commitment to operational excellence:

#	Name
1	Nwode Chinazor
2	Ifunanya Benedicta
3	Samuel Bardi
4	Nwakile Ebere Maryrose
5	Emmanuel Chiakasiemobi
6	Nkem Nwawume
7	Eberechi Mercy Uzor
8	Folarin Veronica
9	Clementina Ohaeri
10	Ugonna Ochuba
11	Patience Ibe
12	Gift Ukpore
13	Bona Ogochukwu
14	Uzordi Gideon
15	Owajimimin Gogo John
16	Yusuff Oluwagbamila
17	Obiano Lilian U.
18	Oreva Oputeh
19	Peter Onota
20	Ogbein Gracious
21	Isreal Okeke
22	Tefue Favour Onajite
23	Hephzibah Tobin
24	Olatoyin Pratt

#	Name
25	Gabriel Philip Offiong
26	Yemisi Folaranmi
27	Oguguo Ekene Justice
28	Miracle Chinasa Emuerhi
29	Valentine Chinedu Onuoka
30	Sule Waheed Oladimeji
31	Rahimah Omananyi
32	Duru Laura Kelechi

Through their joint effort, we achieved **100% compliance restoration** across all tested AWS Config rules, proving our team's capability to detect, respond to, and remediate misconfigurations in real time while strengthening our governance posture.