

Lesson 07 Demo 05

Setting Up AWS Config and Creating Rules in it

Objective: To configure AWS Config and create rules in it to enable compliance monitoring in the AWS environment

Tools required: AWS Management Console

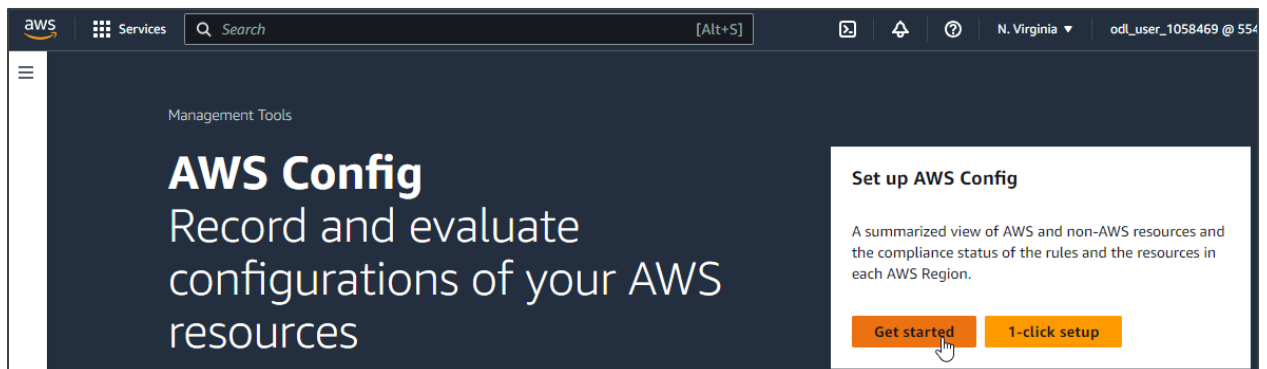
Prerequisites: None

Steps to be followed:

1. Set up AWS Config
2. Create rules in AWS Config

Step 1: Set up AWS Config

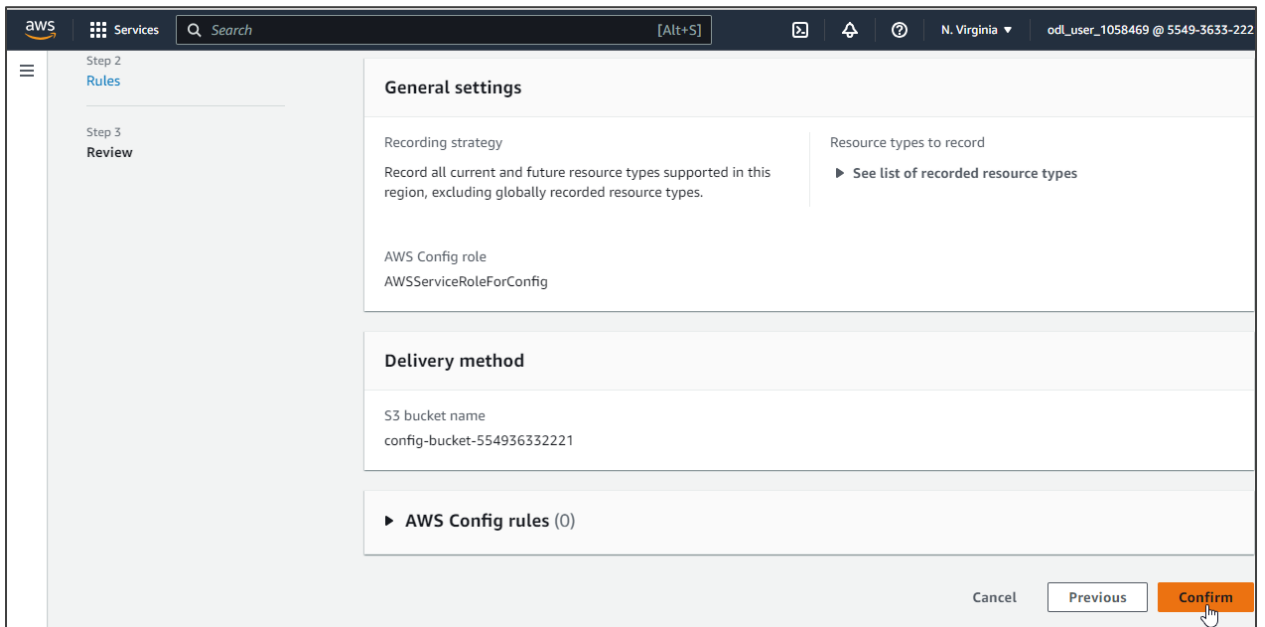
- 1.1 Sign in to the AWS Management Console, open the AWS Config at <https://console.aws.amazon.com/config/>, and click **Get started**



- 1.2 In the settings page, select **Record all current and future resource types supported in this region** under the **Recording strategy** section and **Create AWS Config service-linked role** under the **AWS Config role** section

- 1.3 In the **Delivery method** section, select **Create a bucket** under **Amazon S3 bucket** and then click **Next**

1.4 Review the settings and click **Confirm**



The screenshot shows the AWS Config console interface during the 'Review' step of the setup process. The left sidebar indicates the current step is 'Review' under 'Step 3'. The main content area is titled 'General settings' and includes the following information:

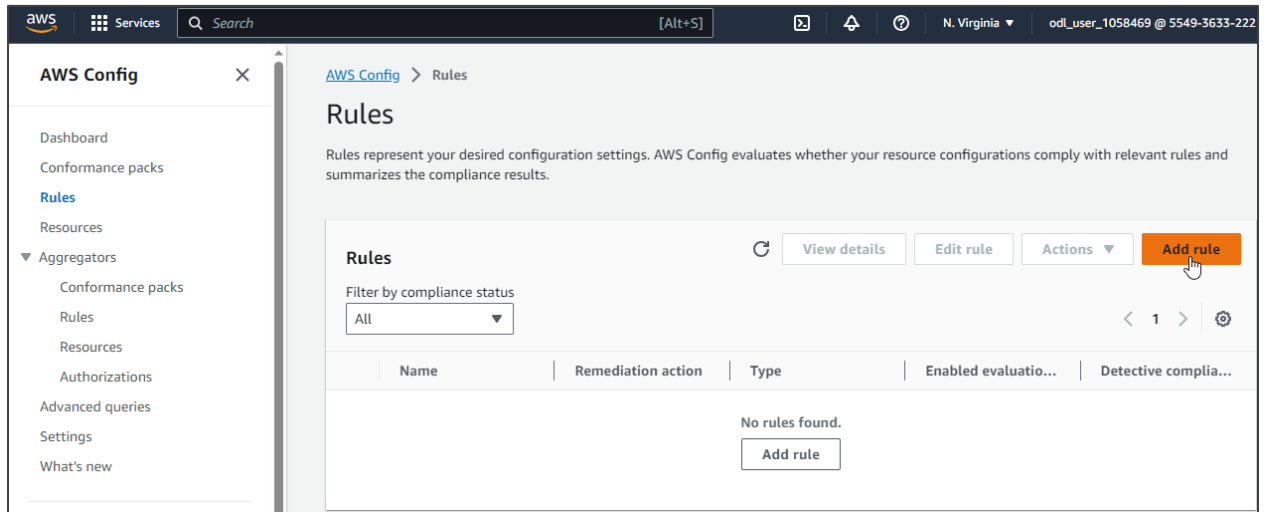
- Recording strategy:** Record all current and future resource types supported in this region, excluding globally recorded resource types.
- Resource types to record:** A link to 'See list of recorded resource types'.
- AWS Config role:** AWSServiceRoleForConfig
- Delivery method:** S3 bucket name: config-bucket-554936332221
- AWS Config rules:** (0)

At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Confirm'. A mouse cursor is pointing at the 'Confirm' button.

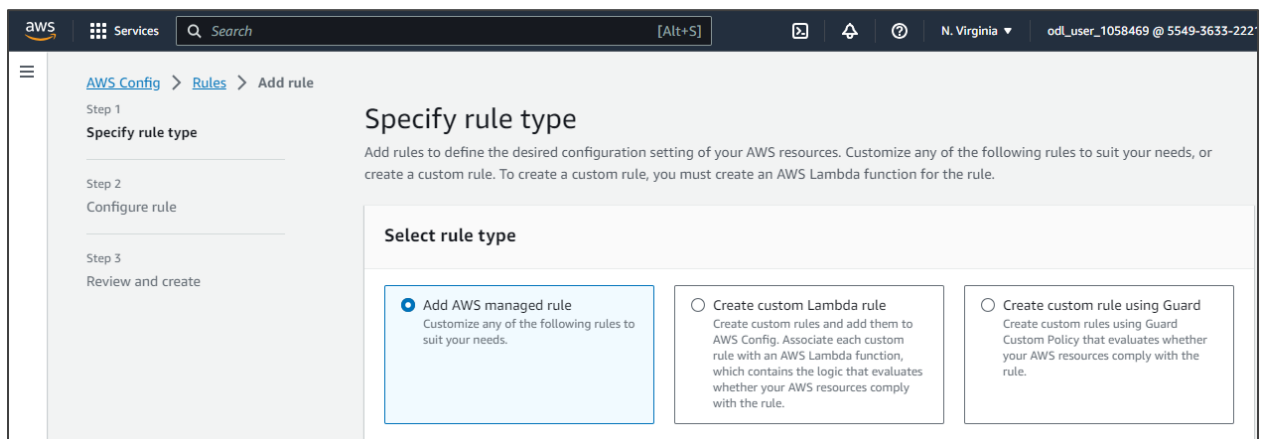
The set up for AWS Config is completed.

Step 2: Create rules in AWS Config

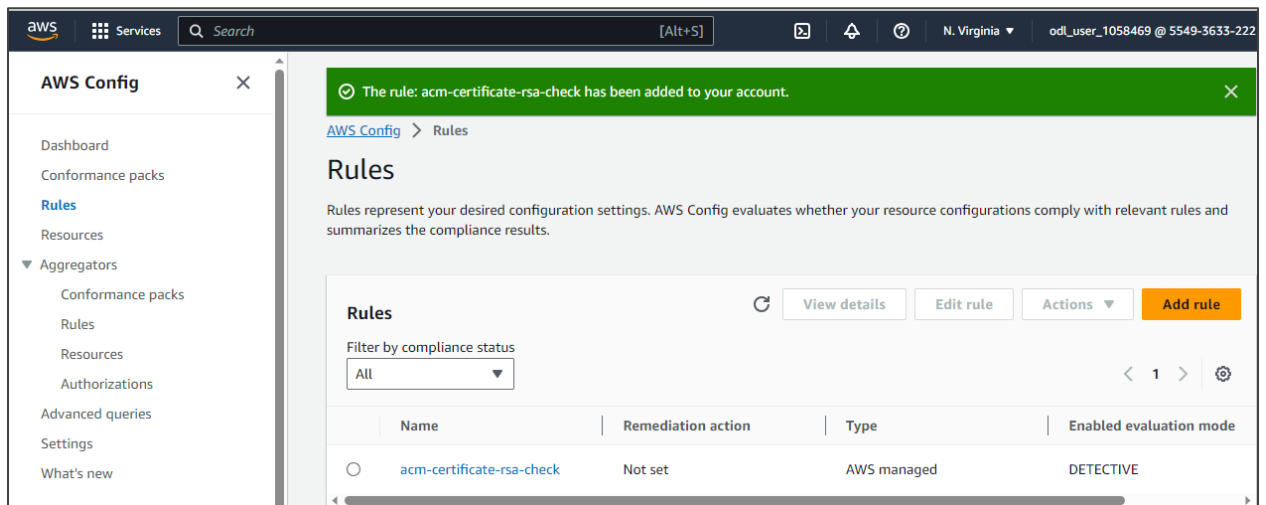
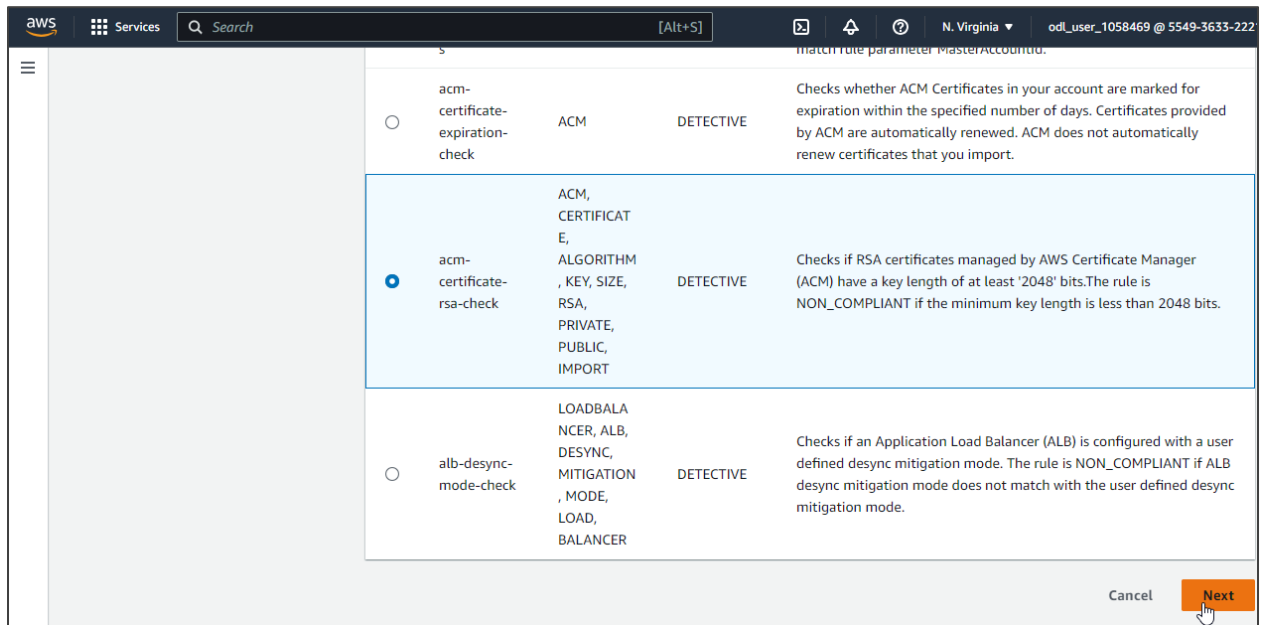
2.1 In the AWS Config dashboard, select **Rules** and then click **Add rule**



2.2 In the **Specify rule type** page, select **Add AWS managed rule** under the **Select rule type** section

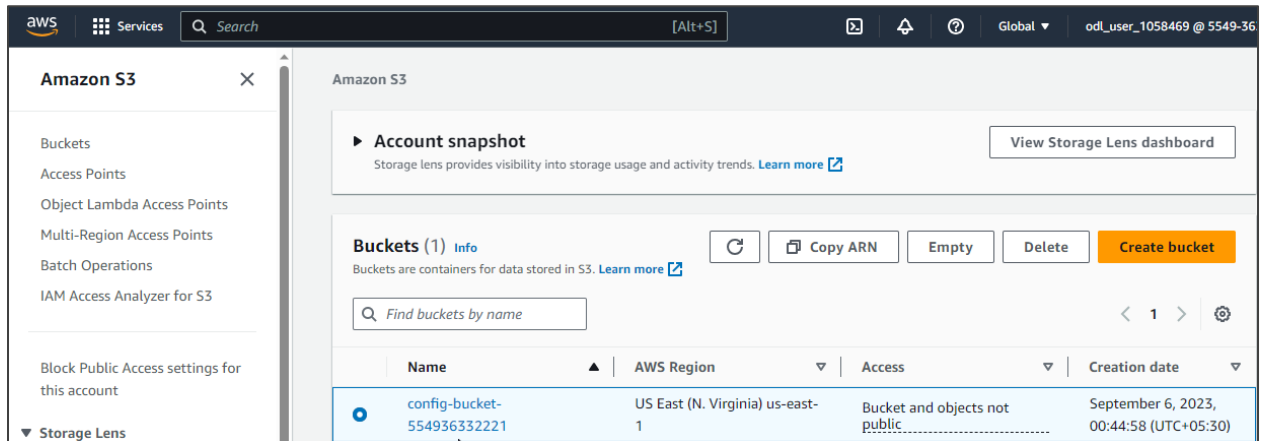


2.3 Select the rule as shown here and click **Next**

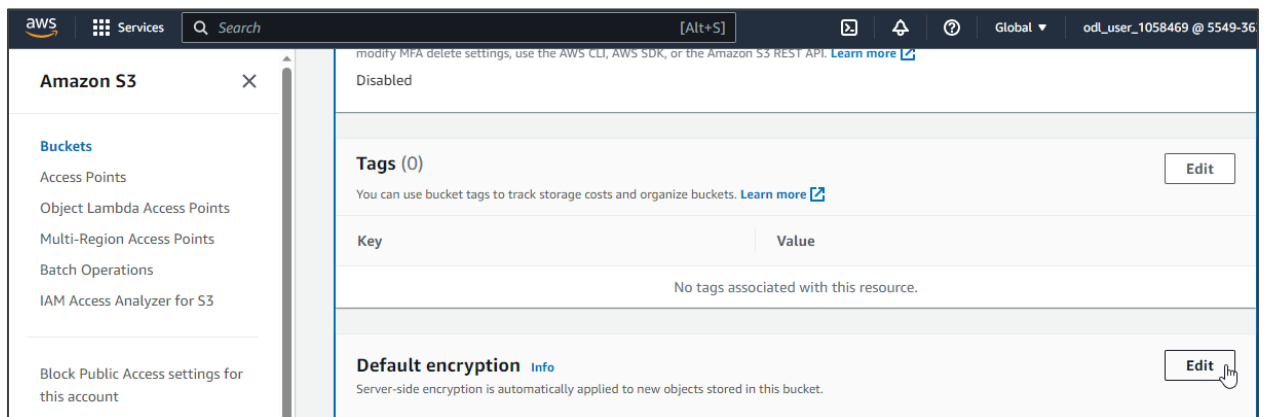


The rule is created successfully.

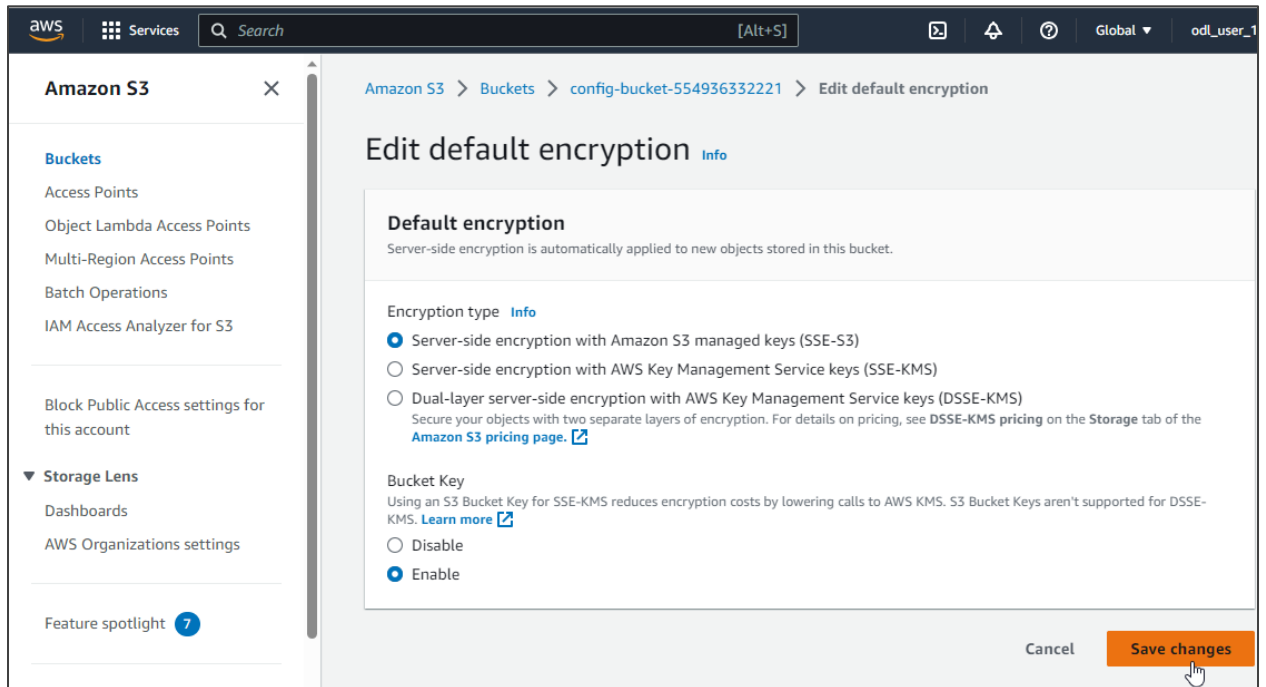
2.4 Now, go to the S3 service, open the **Buckets** dashboard and select the **config bucket** that is created automatically after the AWS Config setup



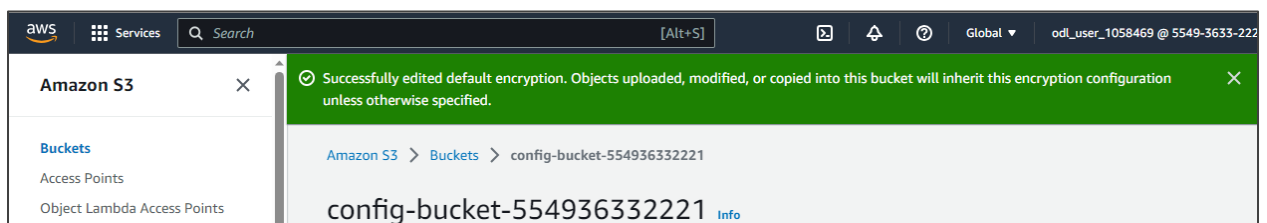
2.5 Click **Edit** under the **Default encryption** section



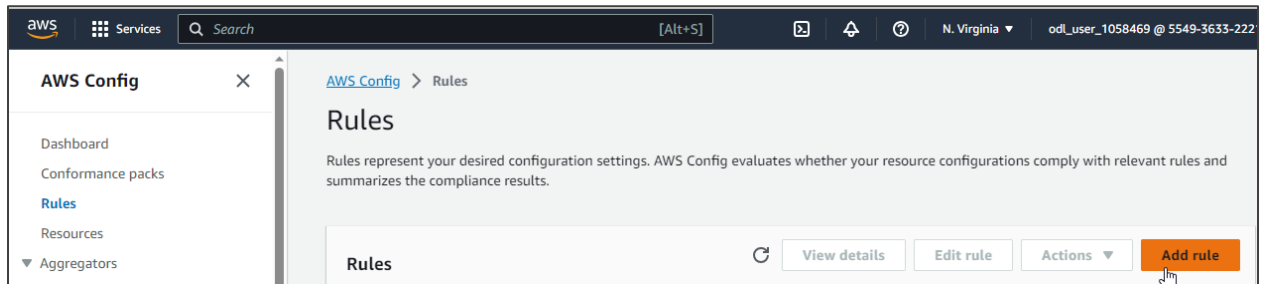
2.6 In the **Edit default encryption** page, select **Server-side encryption with Amazon S3 managed keys (SSE-S3)** option under **Encryption type** section, choose **Enable** option under the **Bucket Key** section and click **Save changes**



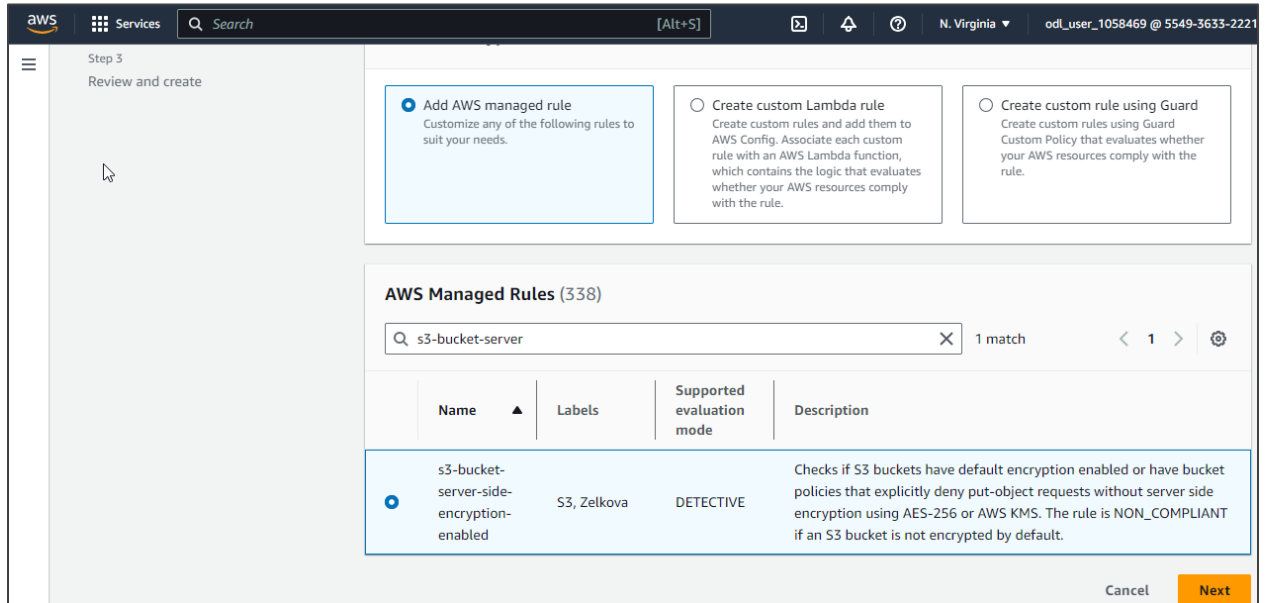
The default encryption is updated successfully.



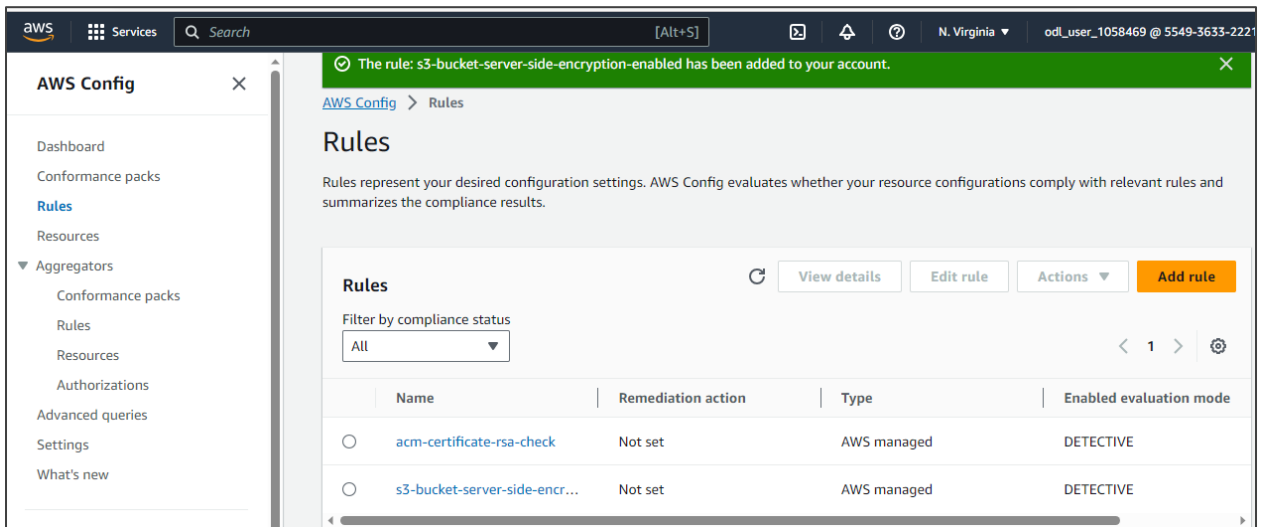
2.7 Now, navigate back to the **Rules** tab in the AWS Config dashboard and click **Add rule** to create another rule



2.8 Choose **s3-bucket-server-side-encryption-enabled** rule from the AWS Managed rule list and click **Next**



The rule is created successfully.



AWS Config

- Dashboard
- Conformance packs
- Rules**
- Resources
- ▼ Aggregators
 - Conformance packs
 - Rules
 - Resources
 - Authorizations
- Advanced queries
- Settings
- What's new

Rules

Rules represent your desired configuration settings. AWS Config evaluates whether your resource configurations comply with relevant rules and summarizes the compliance results.

Filter by compliance status: All

	Name	Remediation action	Type	Enabled evaluation mode
<input type="radio"/>	acm-certificate-rsa-check	Not set	AWS managed	DETECTIVE
<input type="radio"/>	s3-bucket-server-side-encr...	Not set	AWS managed	DETECTIVE

By following these steps, you have successfully demonstrated the process of setting up AWS Config, configuring it, and creating rules in it.