**Lesson 7 Demo 9**

**AWS Config Automated Remediation**

**Objectives:** To set up AWS Config Automated Remediation

**Tools required:** AWS WorkSpace

**Prerequisites:** Users must choose a rule and configure remediation for the rule before they can start applying remediation to noncompliant resources.

**Steps to be followed:**

1. Opening the AWS Config console by logging into the AWS Management Console at <https://console.aws.amazon.com/config/> and selecting Preferences from the navigation pane and selecting A Disable Trusted Advisor

**Step** **1:** **Open the AWS Config console logging into the AWS Management Console at https://console.aws.amazon.com/config/**

1. Login into the AWS account and open **AWS Management Console**

Graphical user interface, text, website

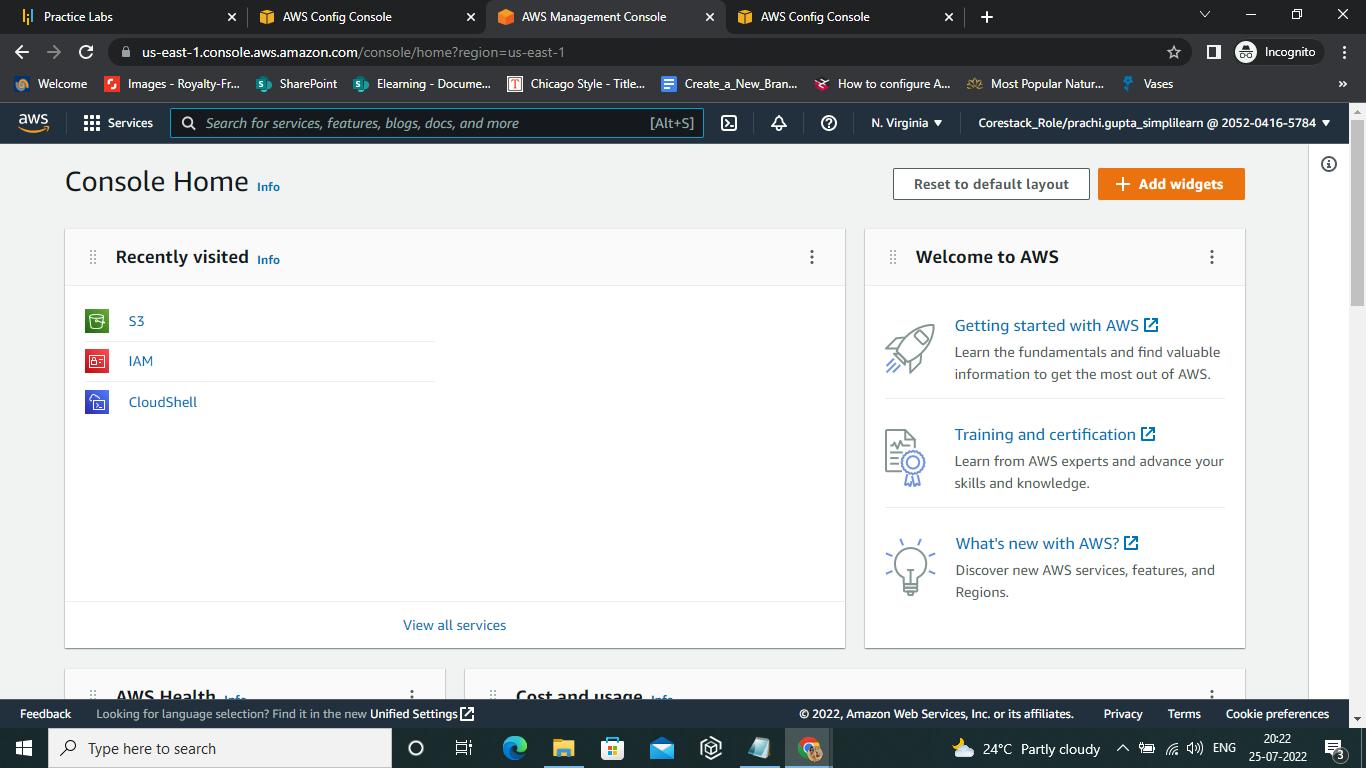
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1.2 Upon clicking on **Services**, the following page appears

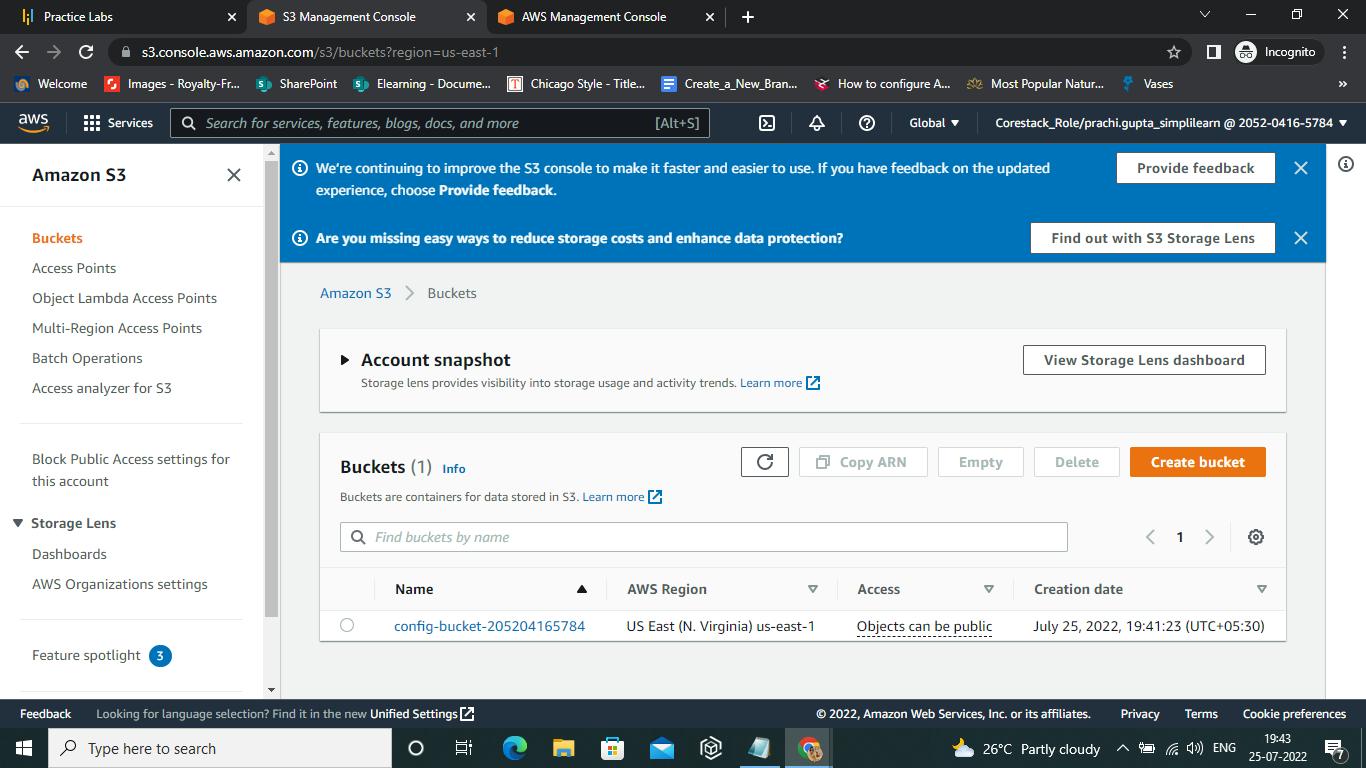
Graphical user interface, application

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1.3 In the **Search** option, type **S3** and press enter



1.4 Click on **S3**,whichwill redirect to the dashboard



1.5 Navigate to **AWS Config.** Enter each resource type under Resource types. These resource kinds include customized, third-party, and AWS resources

Graphical user interface, application, website

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* 1. Select **Record all resources supported in this region, Include global resource (e.g., AWS IAM resources),** and **Create AWS Config server-linked rule**

Graphical user interface, text, application

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* 1. Enter the account ID to select a role from the account or an existing AWS Config service-linked role for **AWS Config.** AWS Config predefines service-linked roles that contain all the permissions needed for a service to call other AWS services.

Graphical user interface, text, application, email

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* 1. Select the **Amazon S3 bucket** where AWS Config transmits configuration history and configuration snapshot files under **Delivery method**

Graphical user interface, text, application, email

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* 1. Select **Next** if users are installing AWS Config in a region that supports rules

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* 1. Next, select **Confirm**

Graphical user interface, text, application

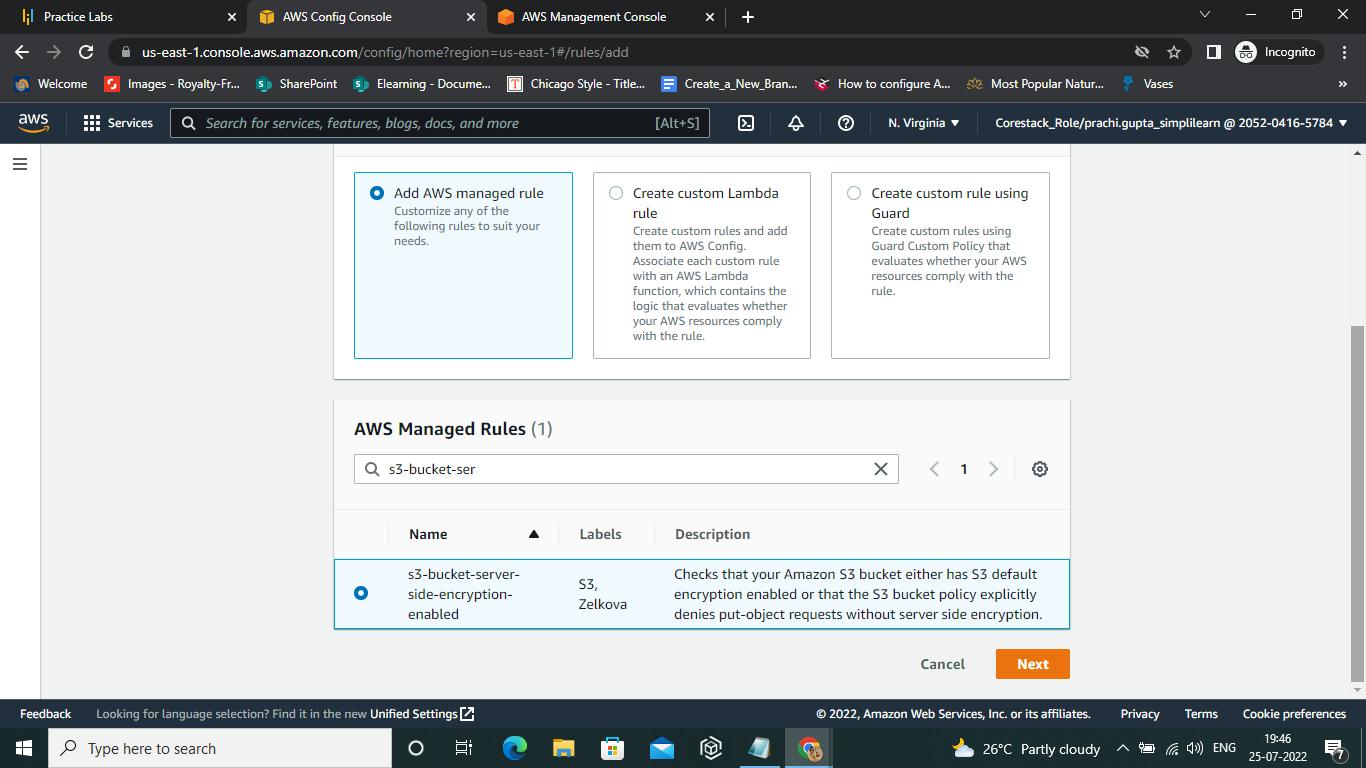
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* 1. Once AWS Config is set up, click on Rules and this will take you to the **Add Rule** page

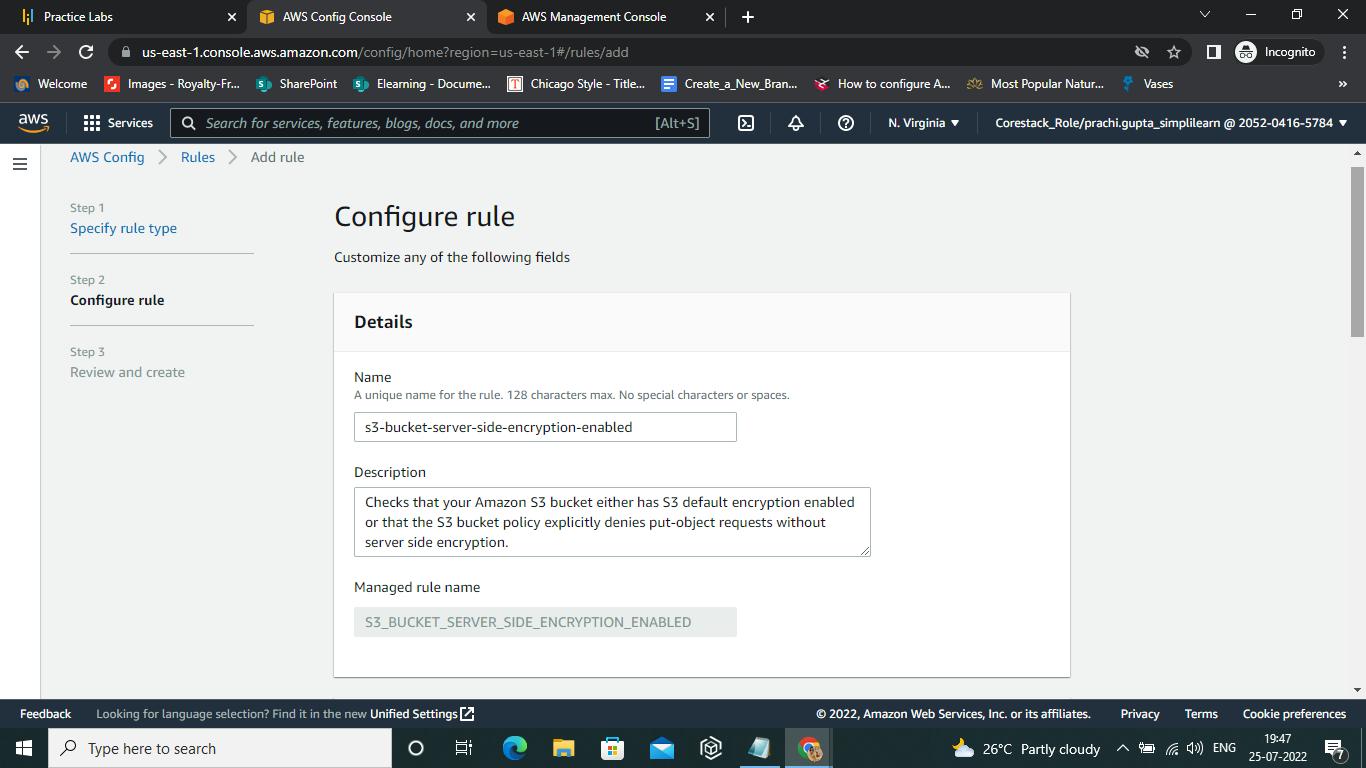
Graphical user interface, text, application

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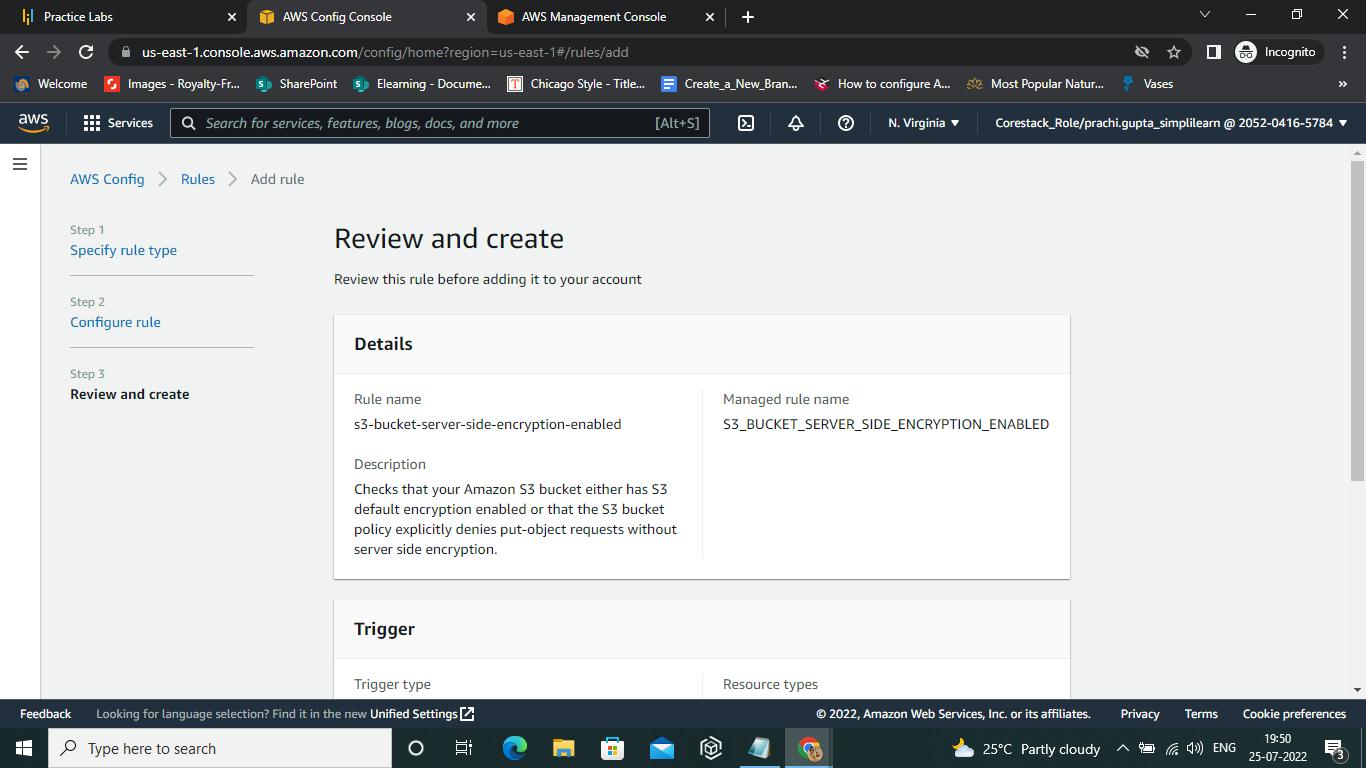
* 1. Select **s3-bucket-server-side-encryption-enabled** from AWS Managed Rules and press **Next**



* 1. On pressing Next,the **Configure Rule** page appears



* 1. Then, on the **Review and create** page, click ok

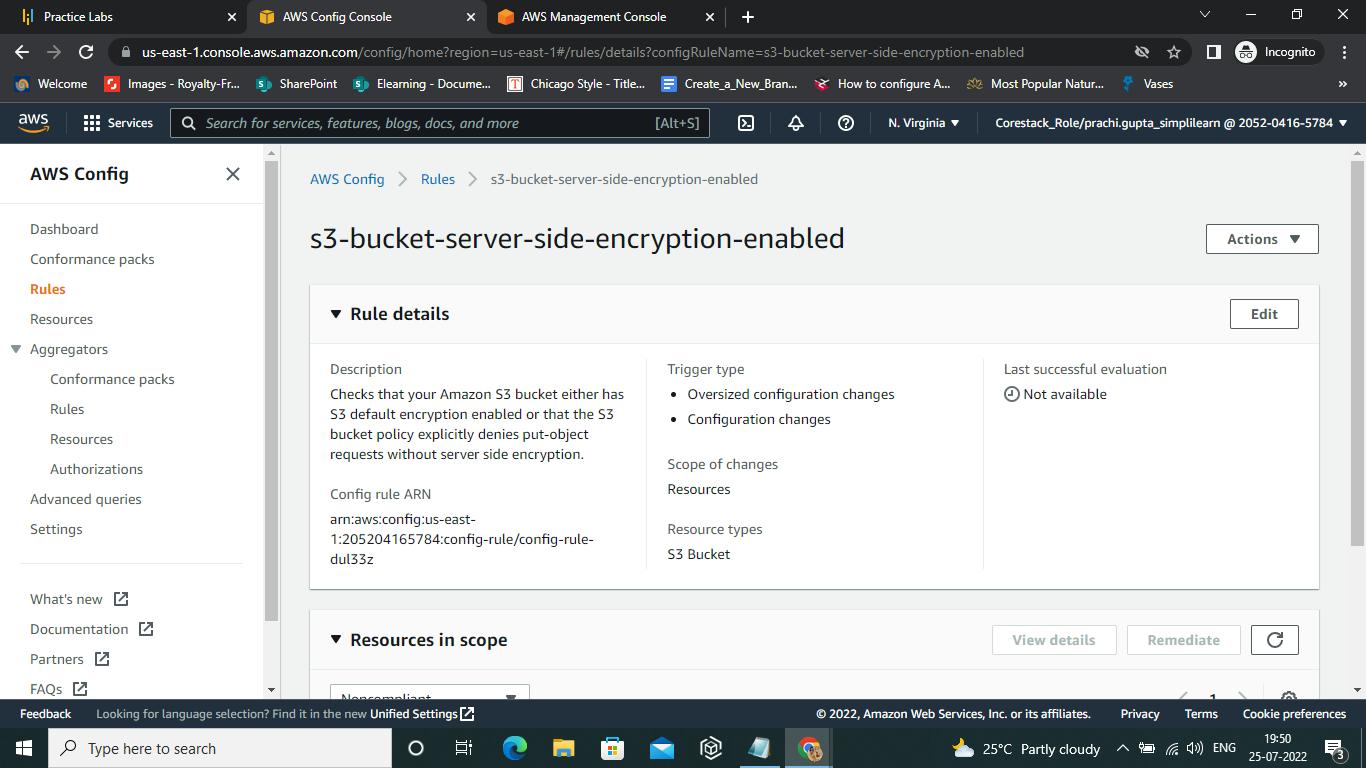


* 1. We can go back to **Aws Config** page and check the **Rule** properties

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Description automatically generated

* 1. Once the validation is complete, click on the **create** button



* 1. We can select **Actions** from the right-hand side of the Dashboard and can select **Remediate** from the dropdown. On selecting **Remediate**, the **Edit option for Remediation action** appears

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* 1. Under **Resource ID parameter,** select one parameter based on the parameters available in the dropdown list

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* 1. Now, select **Bucket** from the dropdown list and click on **Save changes**

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* 1. Once the changes are saved, we are redirected to the AWS Config page with a **Success message**

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* 1. To check the timeline of the Resources, check **Timeline**  
       
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AWS configured automated remediation is performed.