

# **Day 23**



## "CLOUD SECURITY"

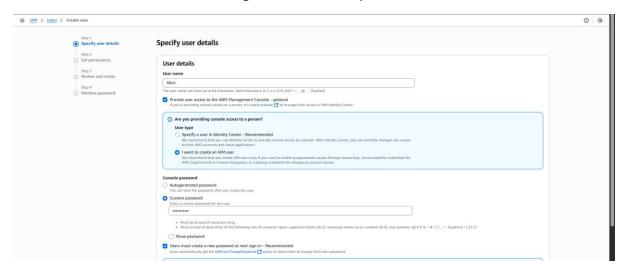
## **Implementing AWS Key Management Services:**

Steps:

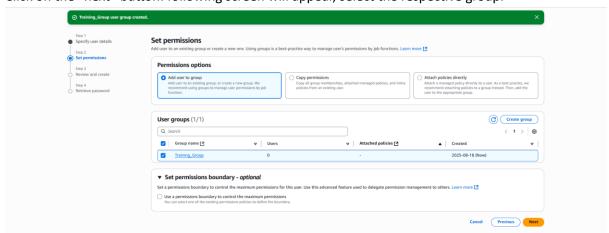
Open the "Users" section in the IAM:



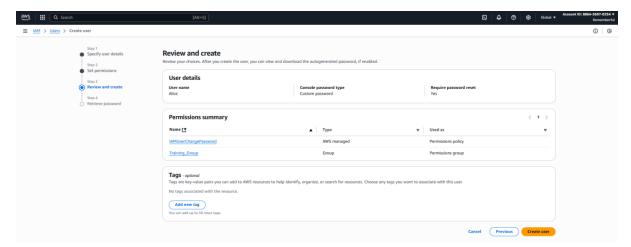
Click on "create user": following screen will appear. Fill it accordingly, make sure to check mark the "Provide user access to the AWS Management Console – *optional*"



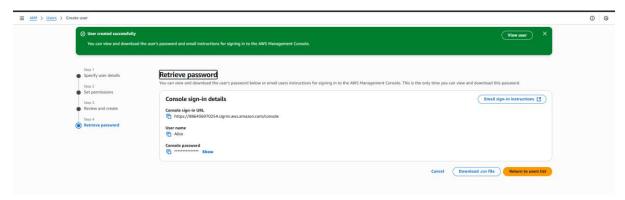
Click on the "next" button: following screen will appear, select the respective group.



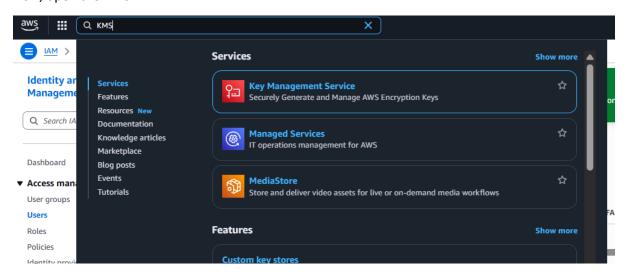
Click on the "Next" button: following screen will appear. You may add the tag, and then click on the "Create User" button.



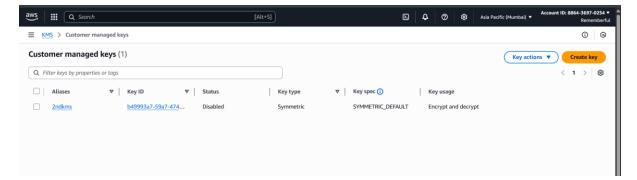
#### Following confirmation occurs:



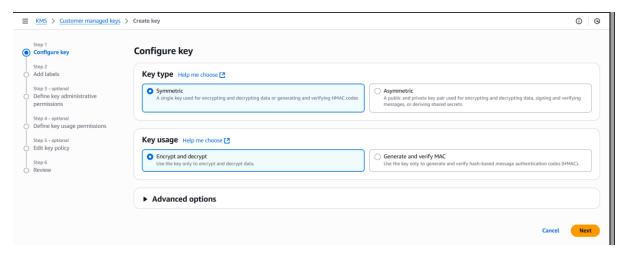
#### Now, open the KMS:



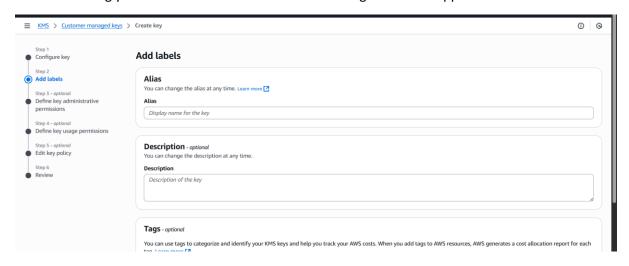
Following screen will appear:



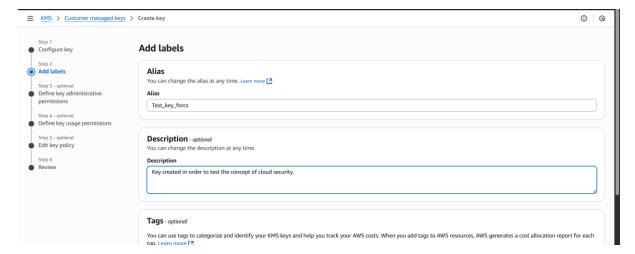
Click on the "create key" button: following screen will appear.



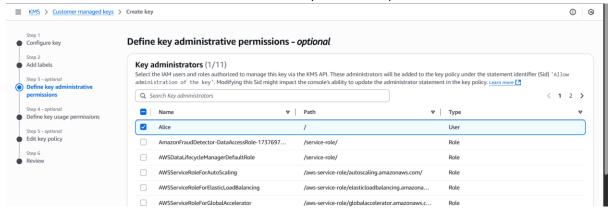
Select accordingly and click on the "next" button: following screen will appear.



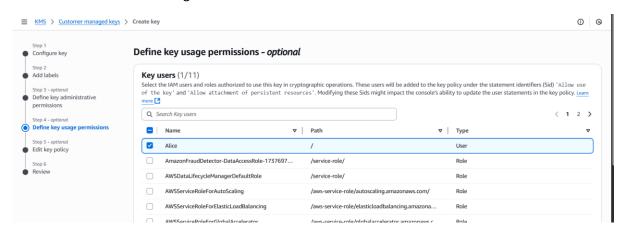
Fill it accordingly:



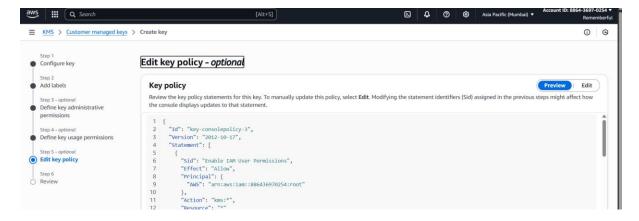
#### Click on the "Next" button: select the admin name (user created)



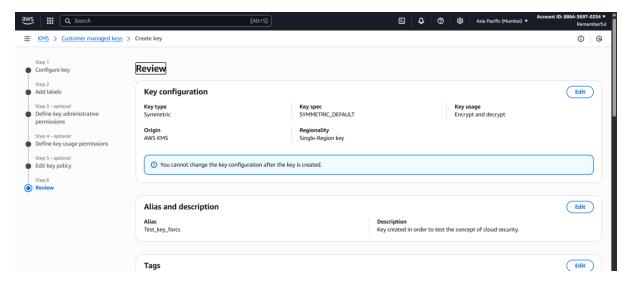
## Click on the "Next" button: again select the name.



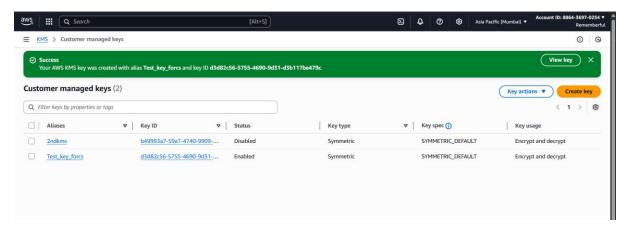
Click on the "Next" button: review the key policy, as shown below.



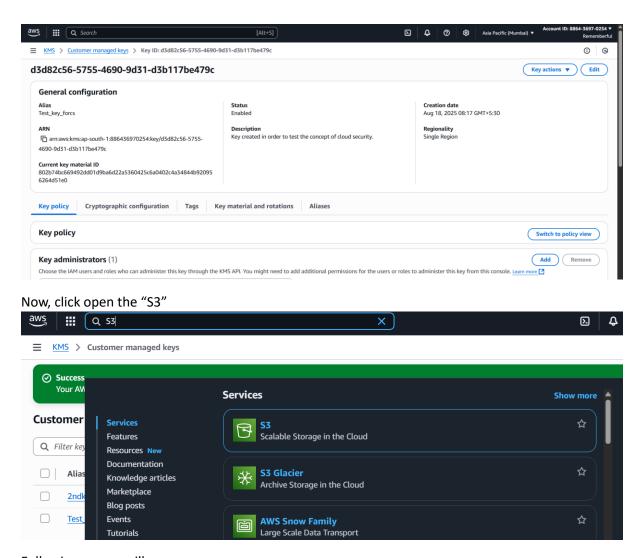
Click on the "Next" button to open the review section as shown below:



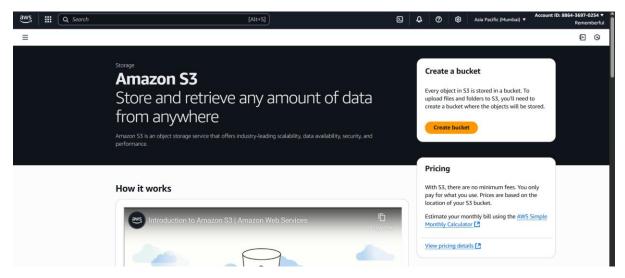
Click on the "finish" button to create the key: following confirmation will occur.



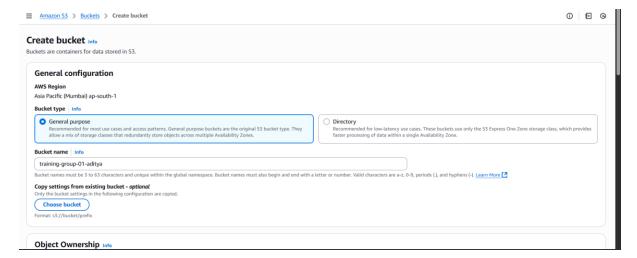
You may check the properties of that key by clicking on it, following screen will appear:



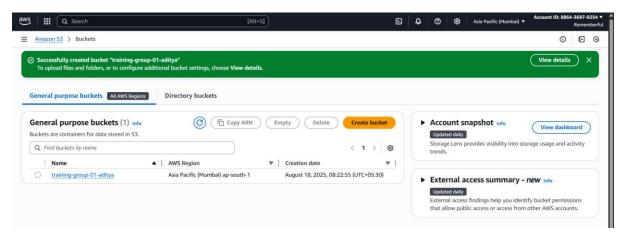
Following screen will appear:



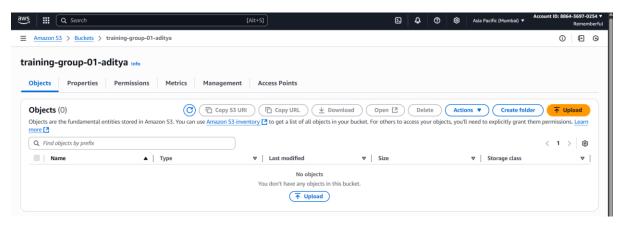
Click on the "Create Bucket" option: following screen will appear.



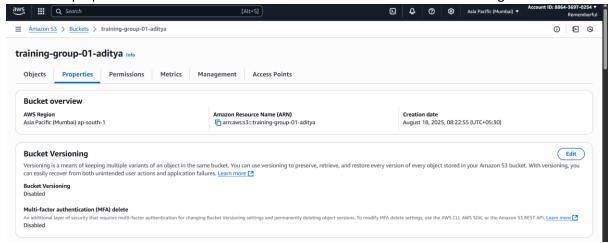
Keep everything as default and then click on the 'Create bucket' button at the bottom: following confirmation will occur.



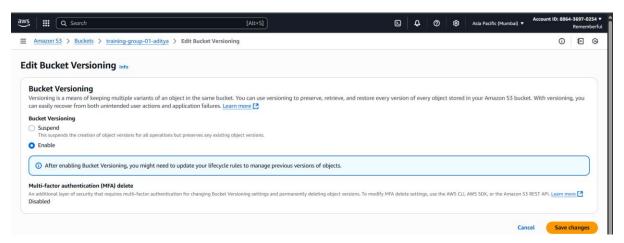
## Open that bucket:



Go to the "properties" section and click on the edit button at the "bucket versioning" section:



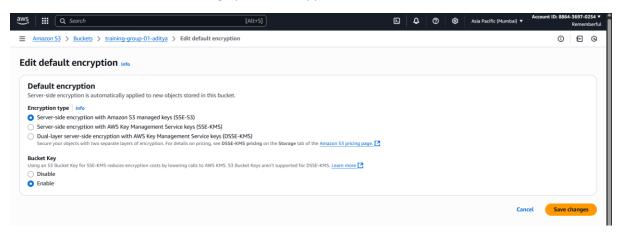
Click on the "Enable" radio button: click on the save changes.



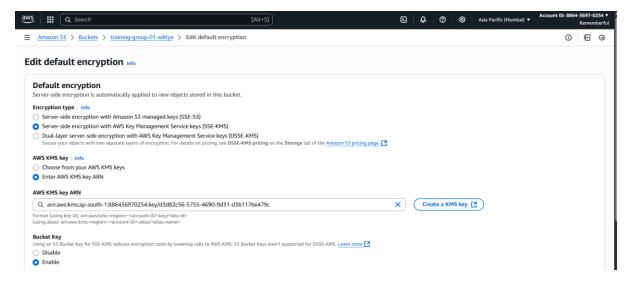
Under the "Properties" section, scroll down and reach the "Default Encryption" section:



Click on the "edit" button: following options will appear.



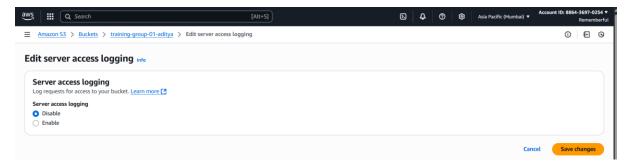
Under the "encryption type" select the "Server-side encryption with AWS Key Management Service keys (SSE-KMS)": also specify the AWS KMS key ARN. Then click on the "Save changes" button.



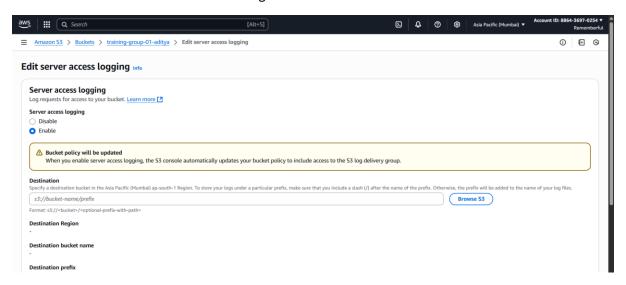
Now, open the 'Server access logging' section:



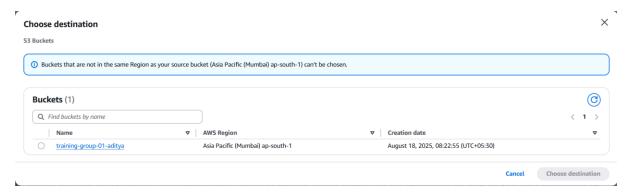
Click on the "edit" button: following screen will appear.



Click on the "enable" button: screen changes to this.



Click on the "Browse S3" button: select the Bucket.



And done!

--The End--