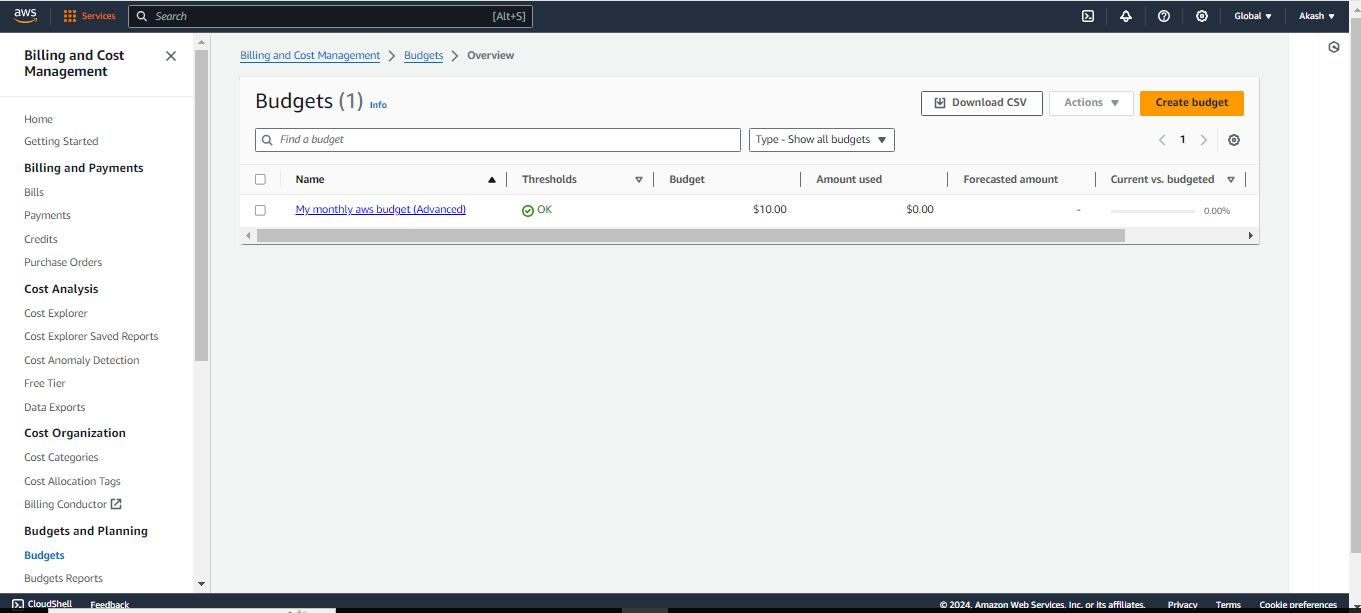
Practical:2 - **IAM (Identity Access Management)**

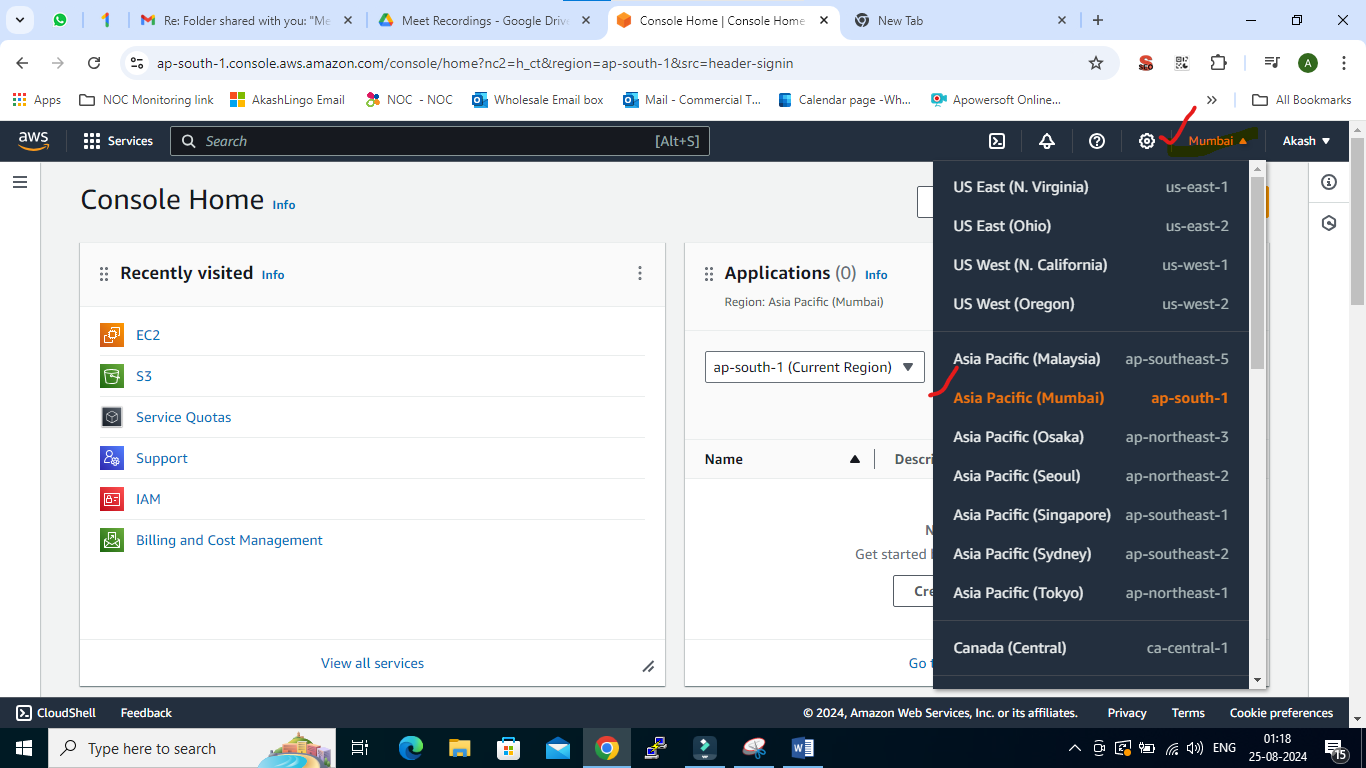
14th Aug 2024 (L-2) | Akash Ghuge

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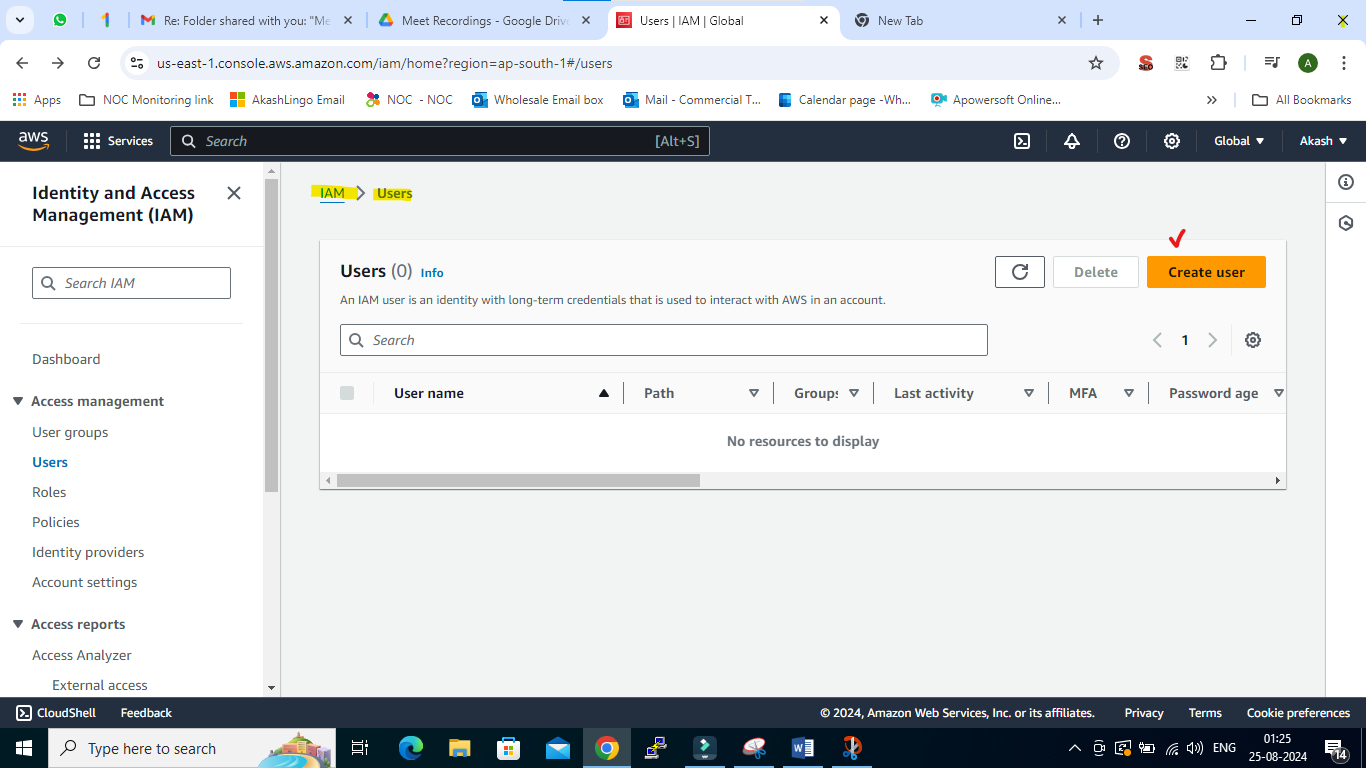
1. Setup billing alarm.

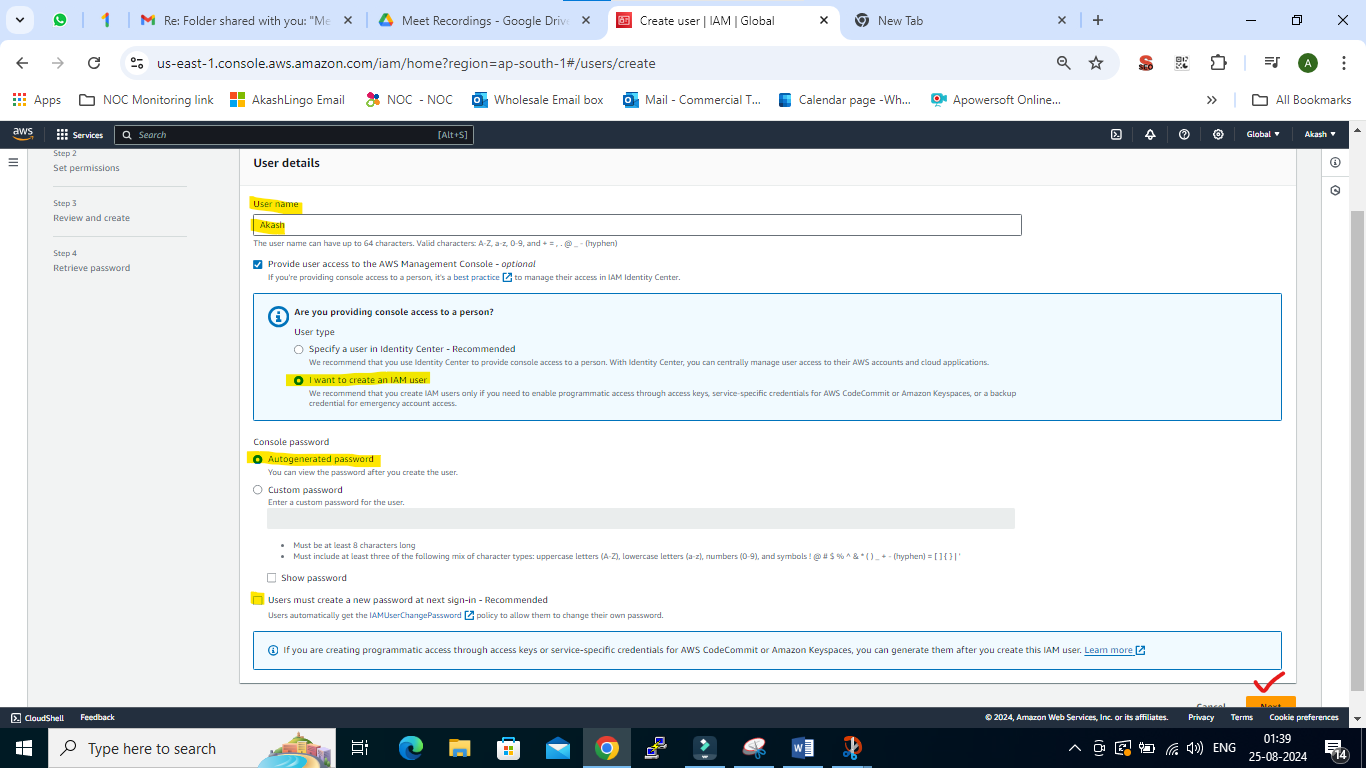


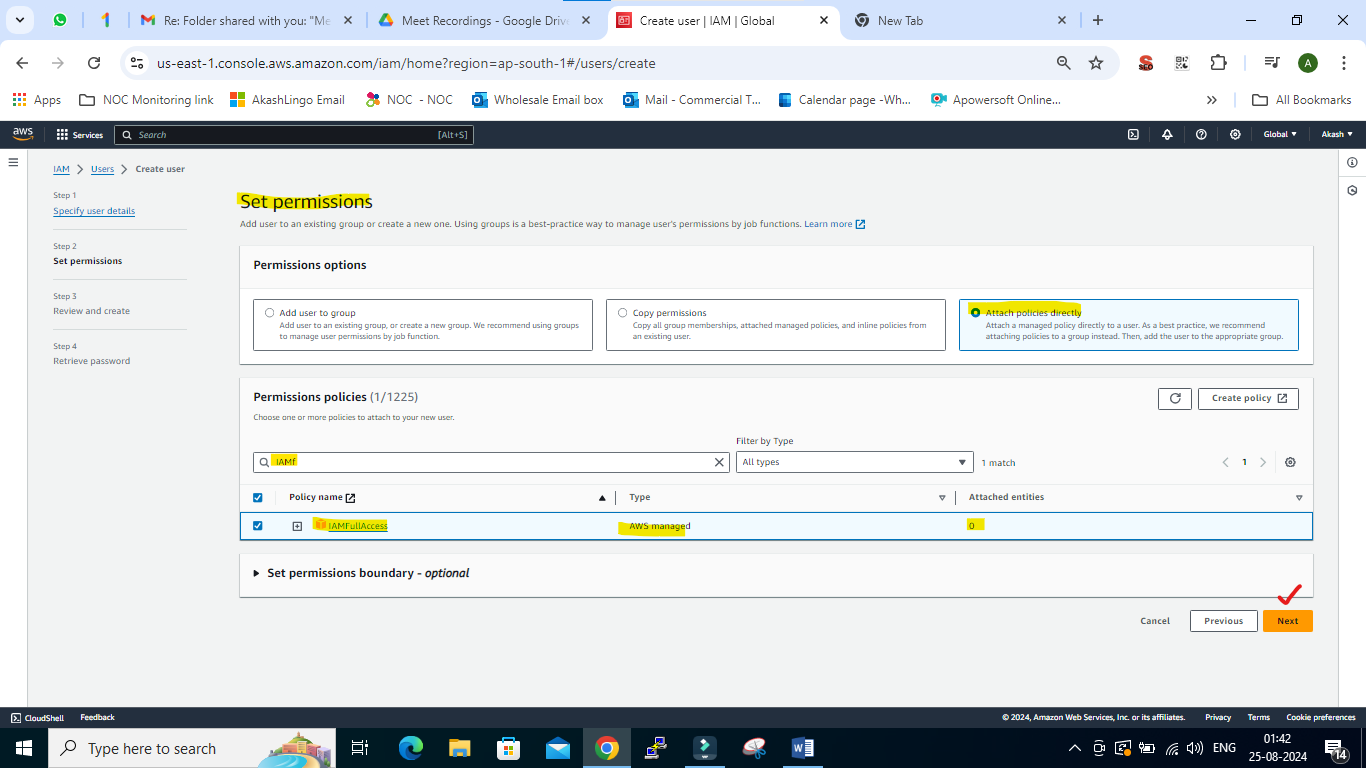
1. Set the Mumbai Regions:

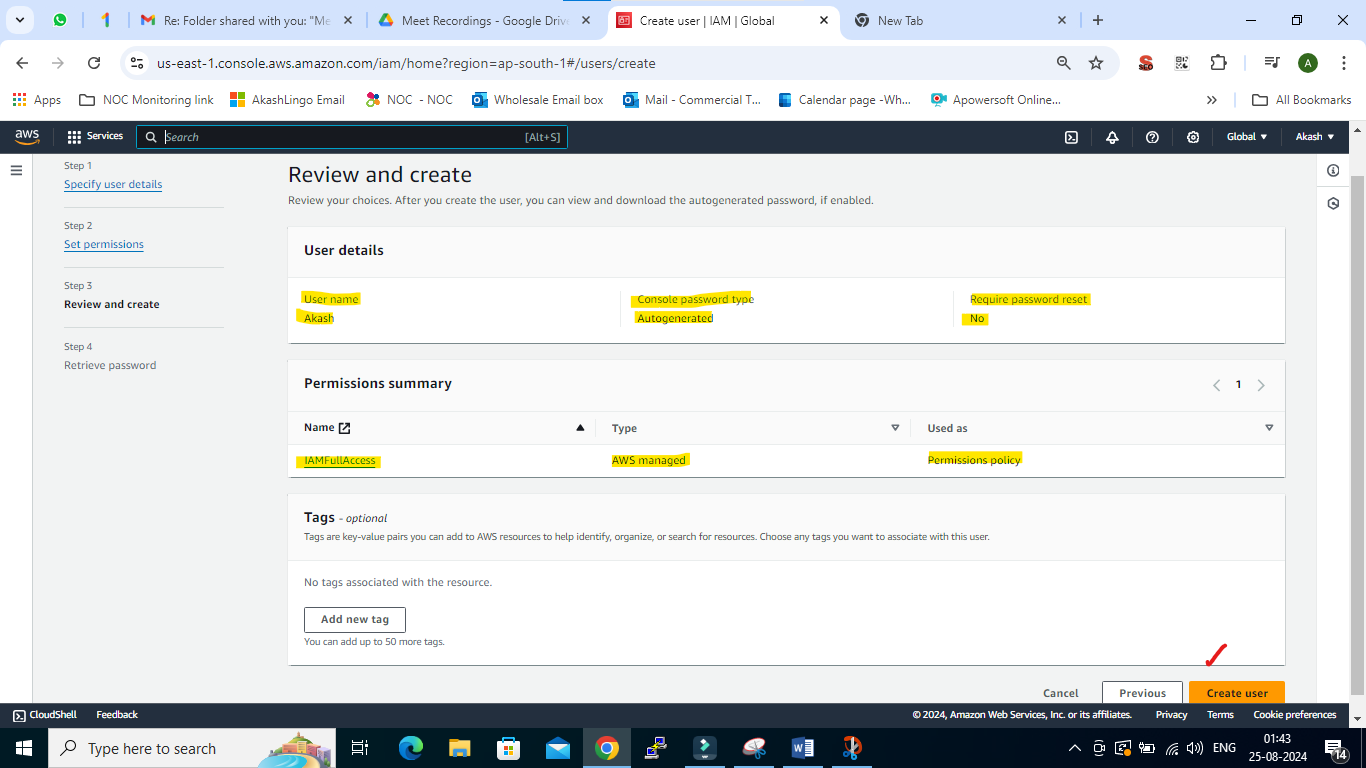
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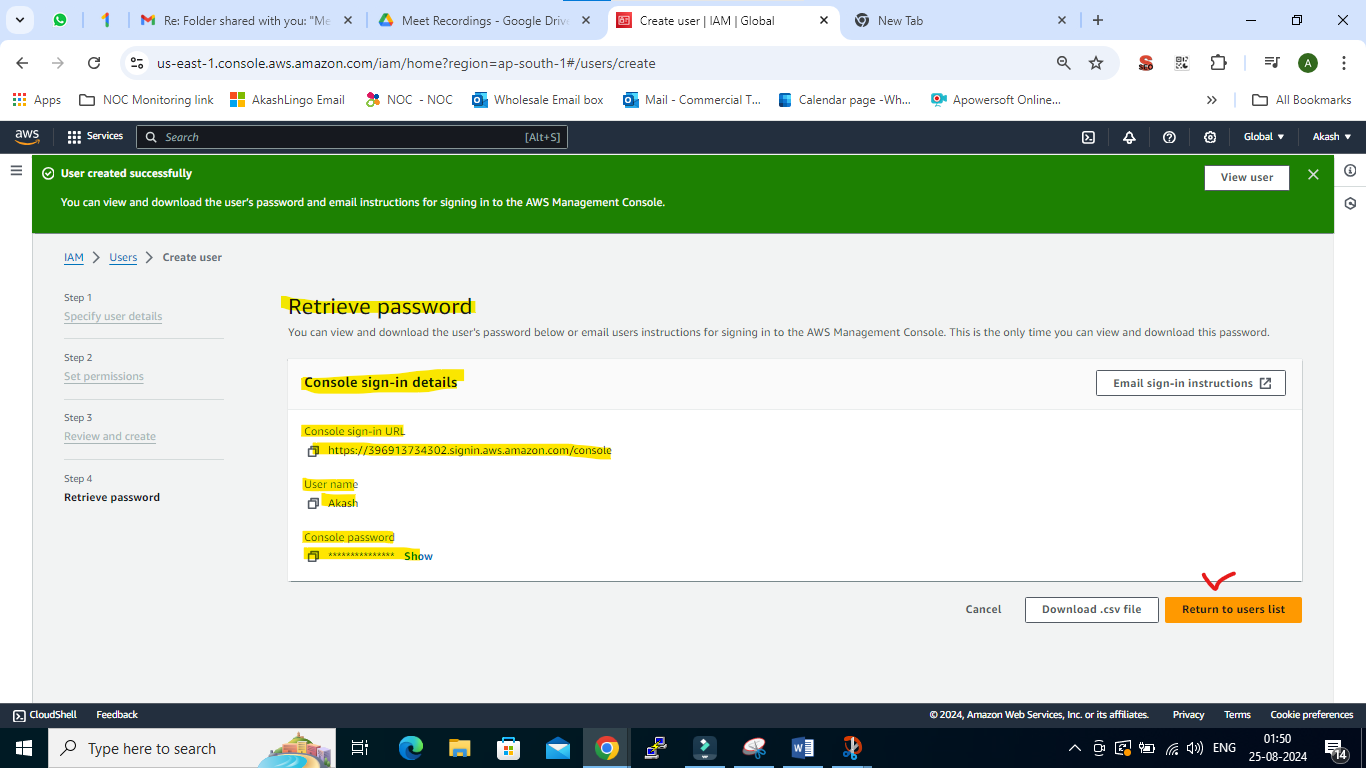
1. Create User

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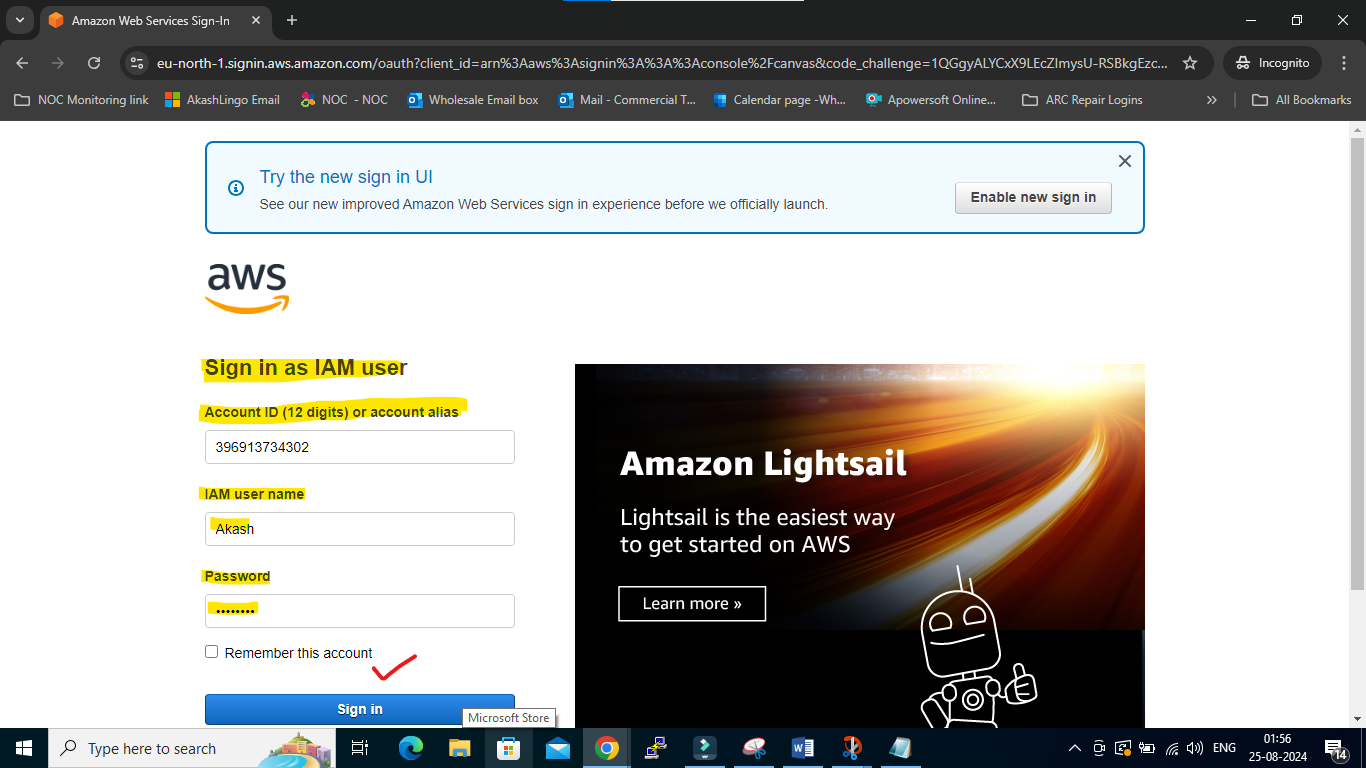


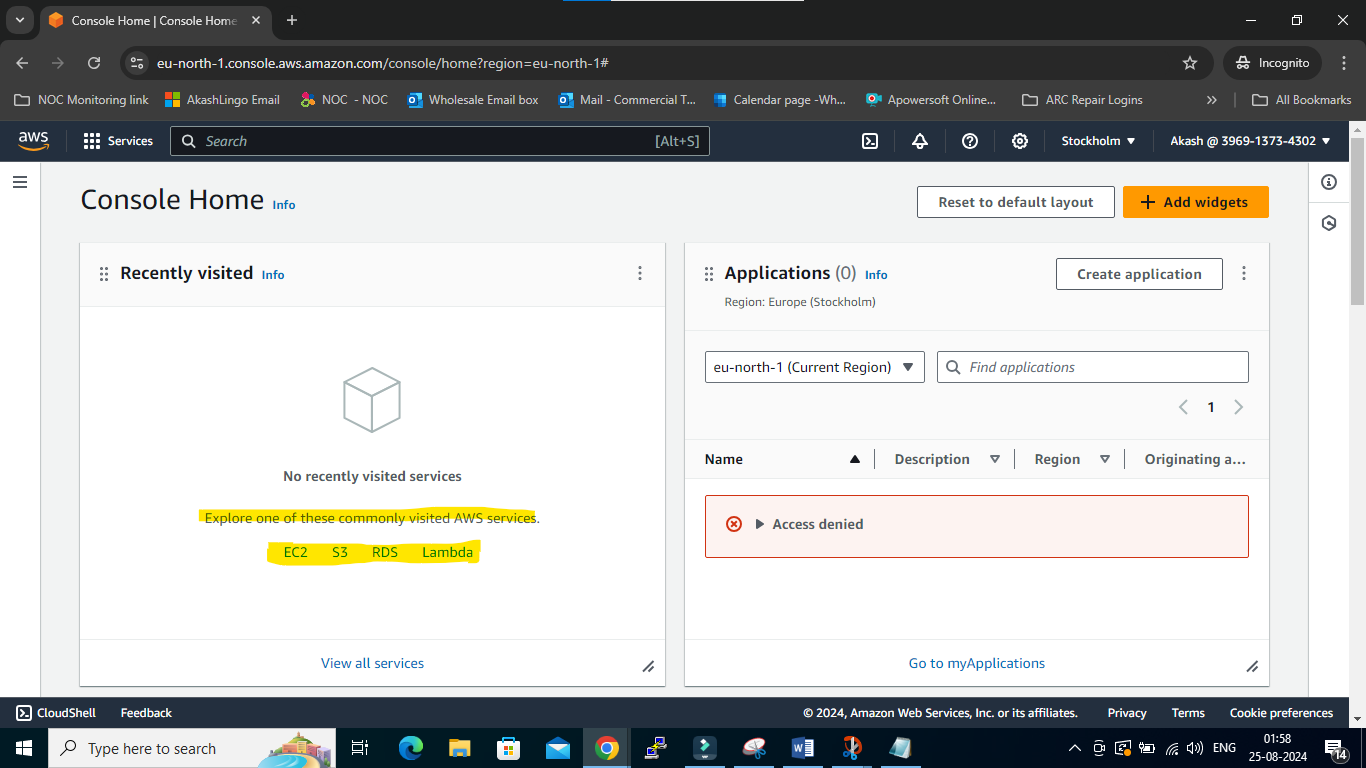


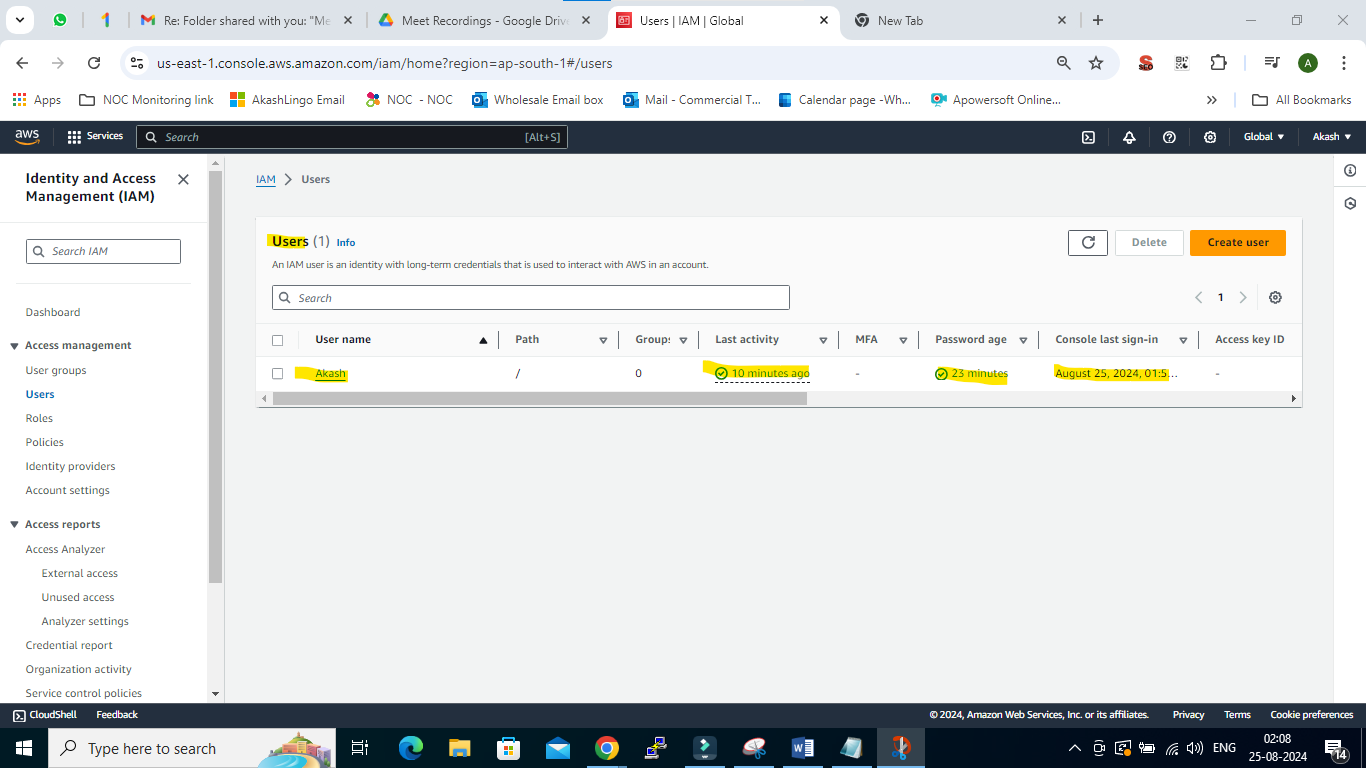




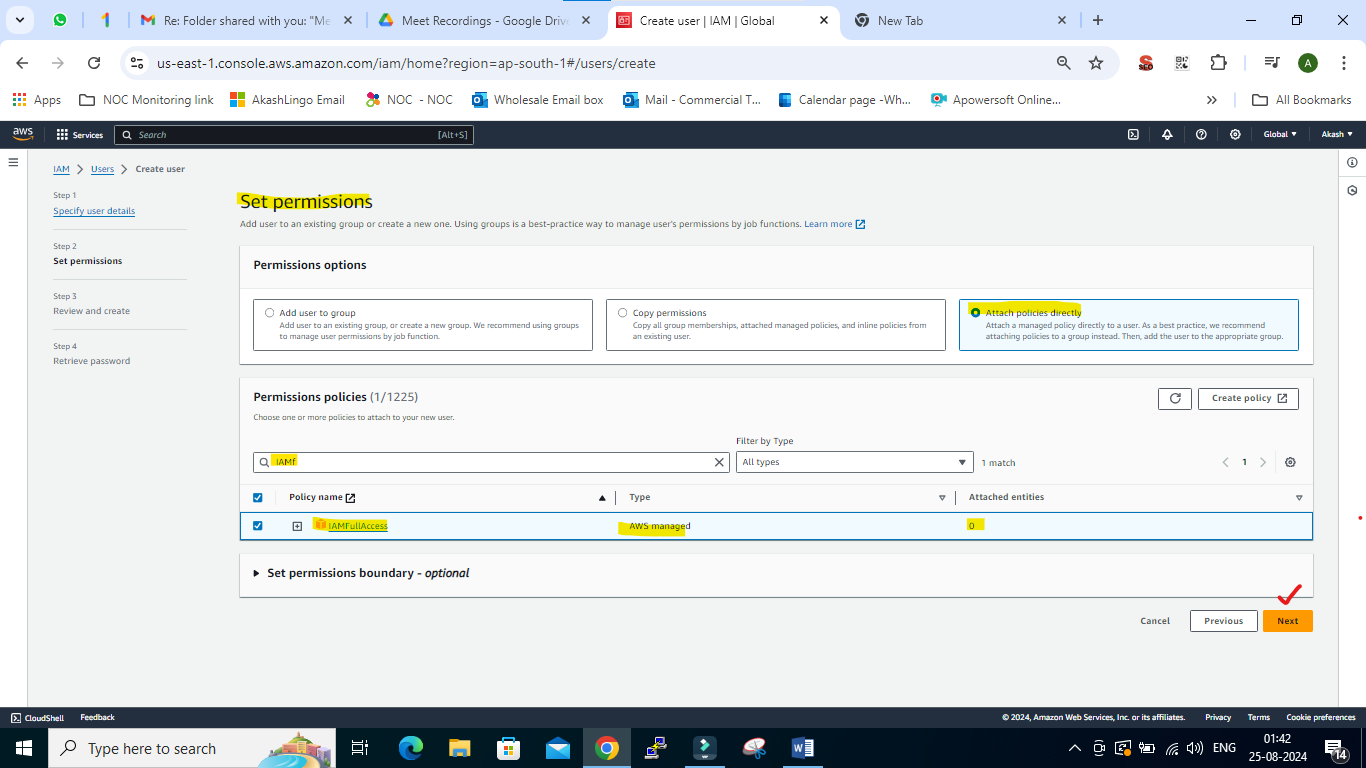
1. Used Different Browser to access IAM user with URL, ID & Password

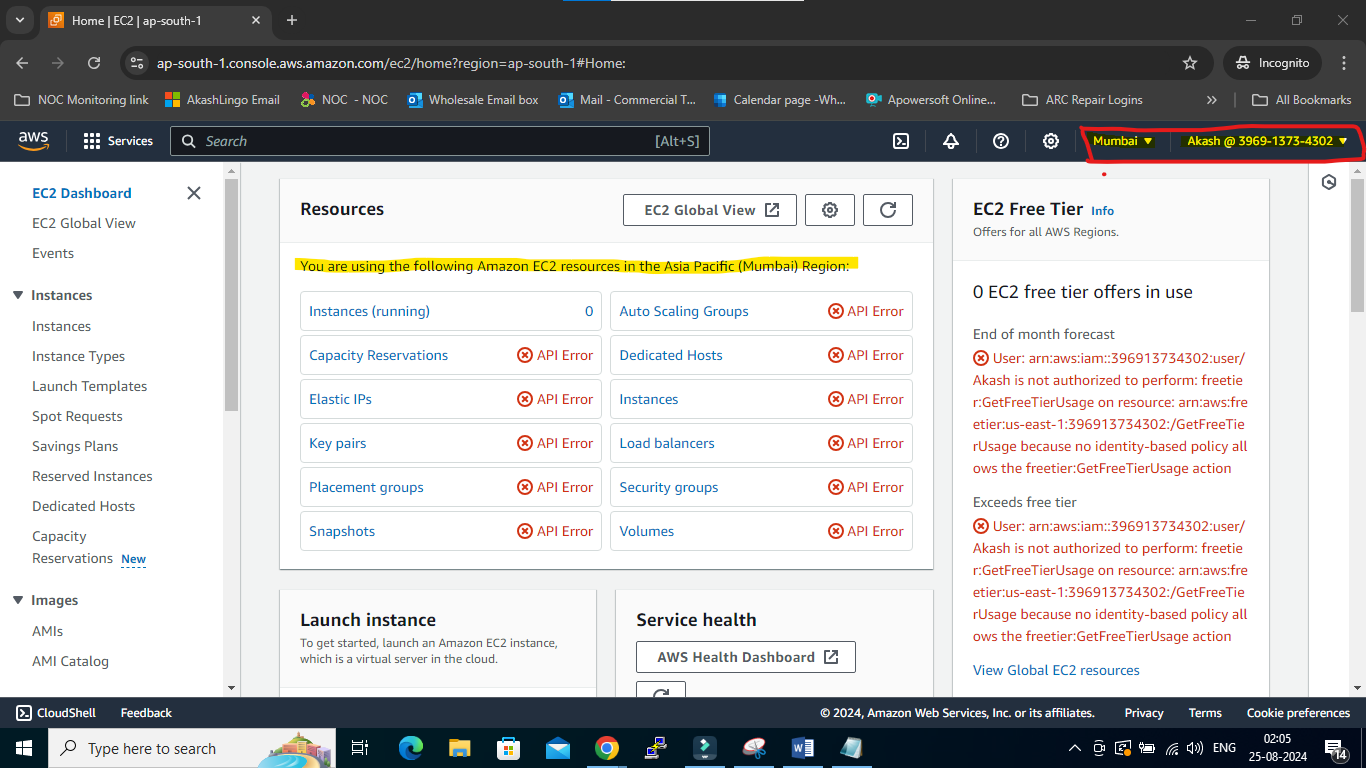




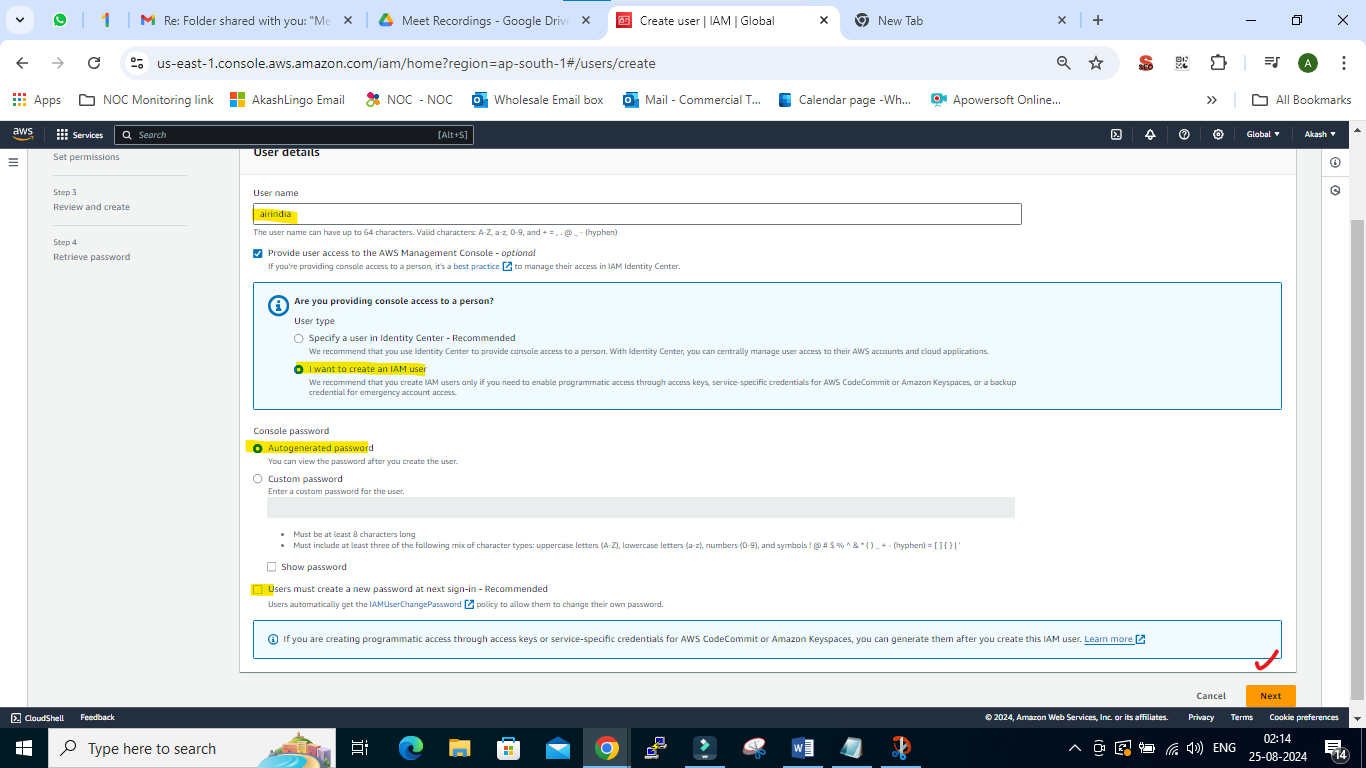


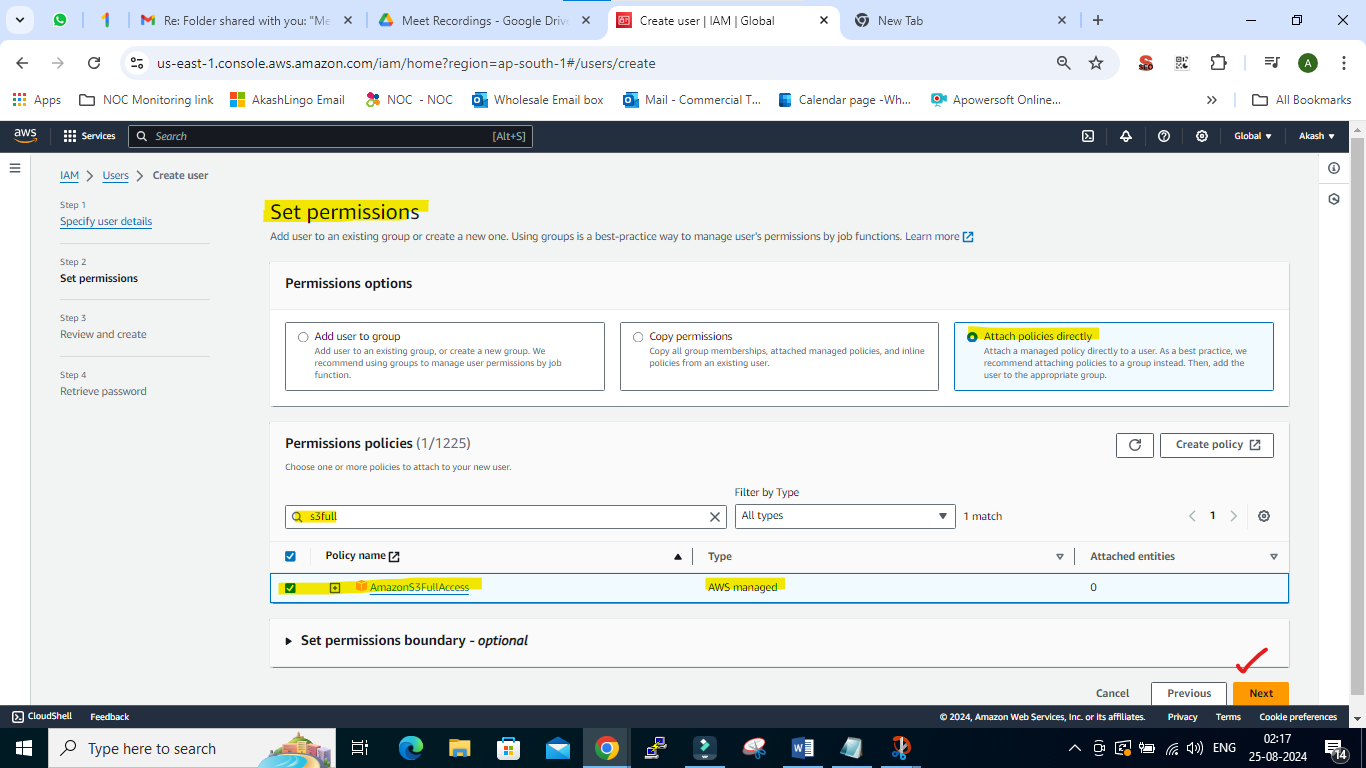
1. IAM User are able to access all the services such as S3 & EC2 etc.

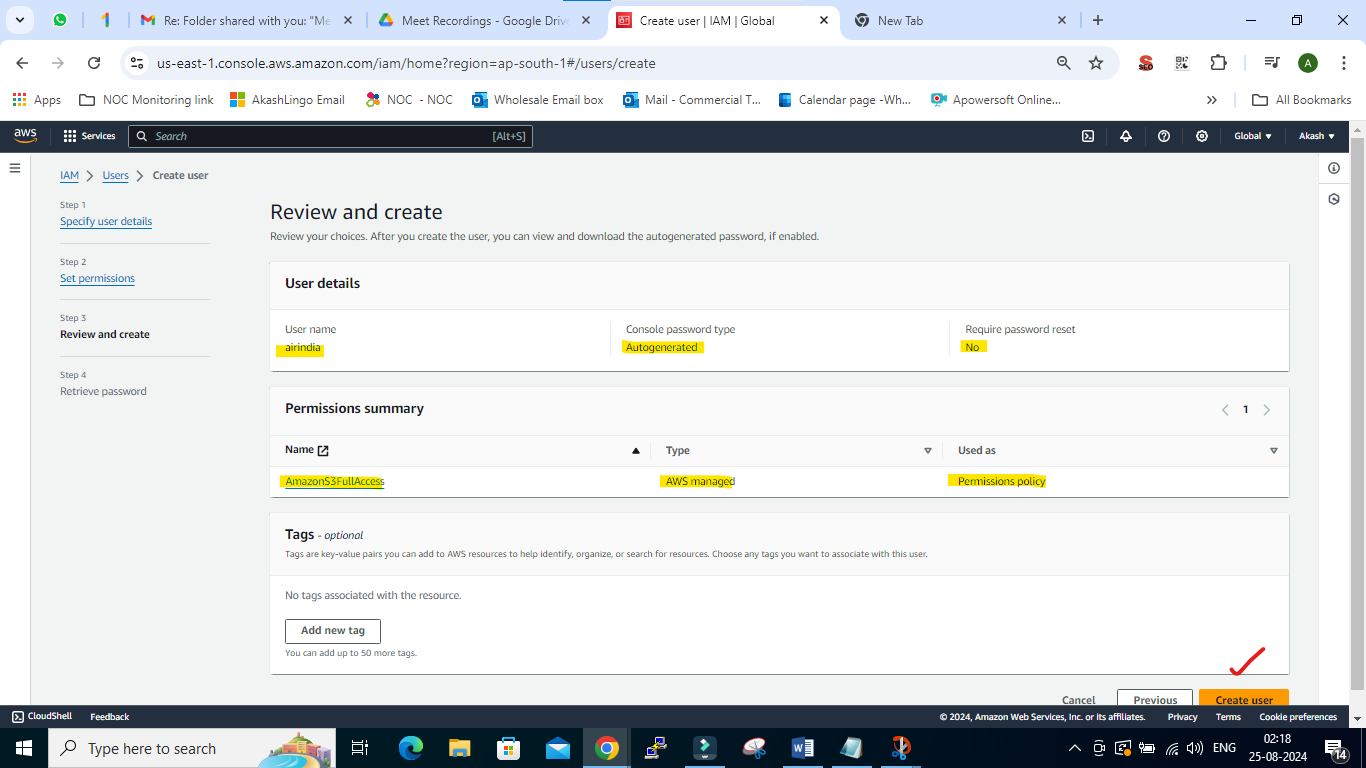


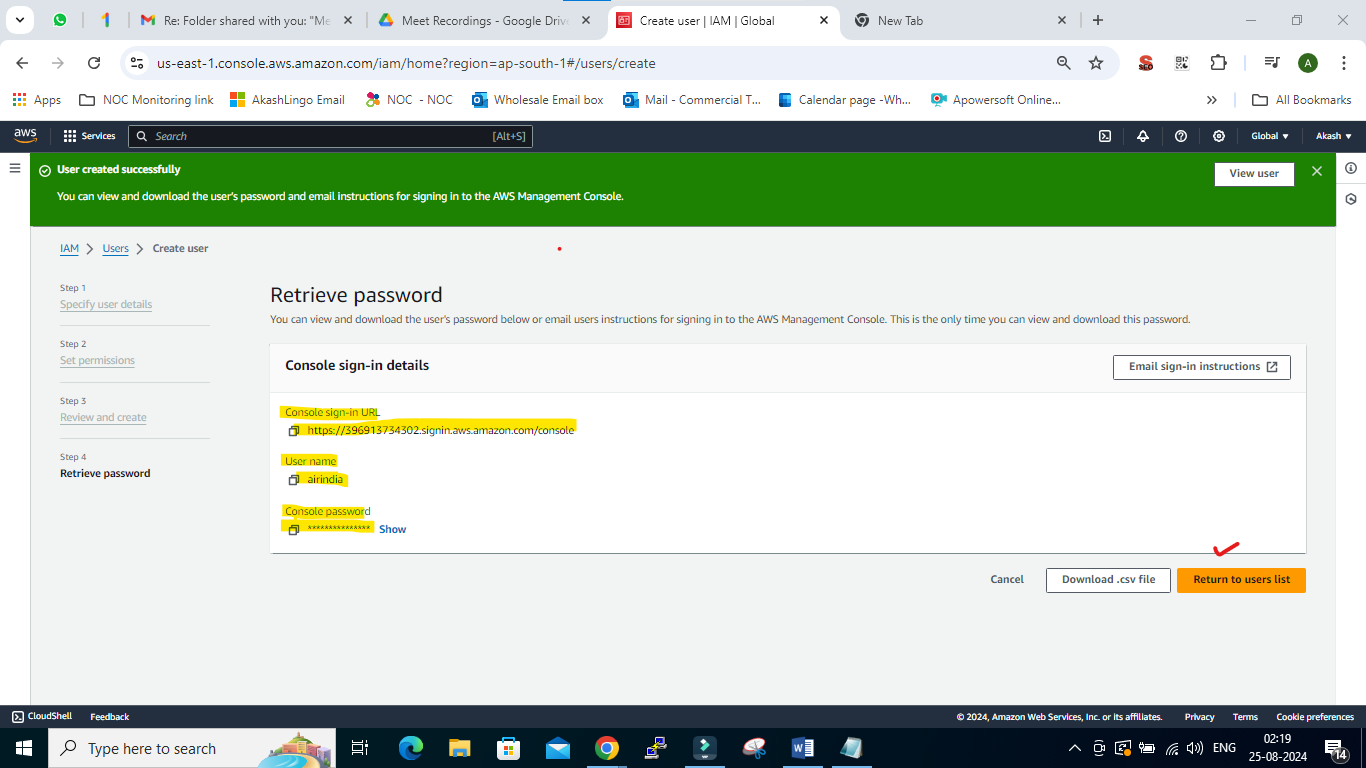


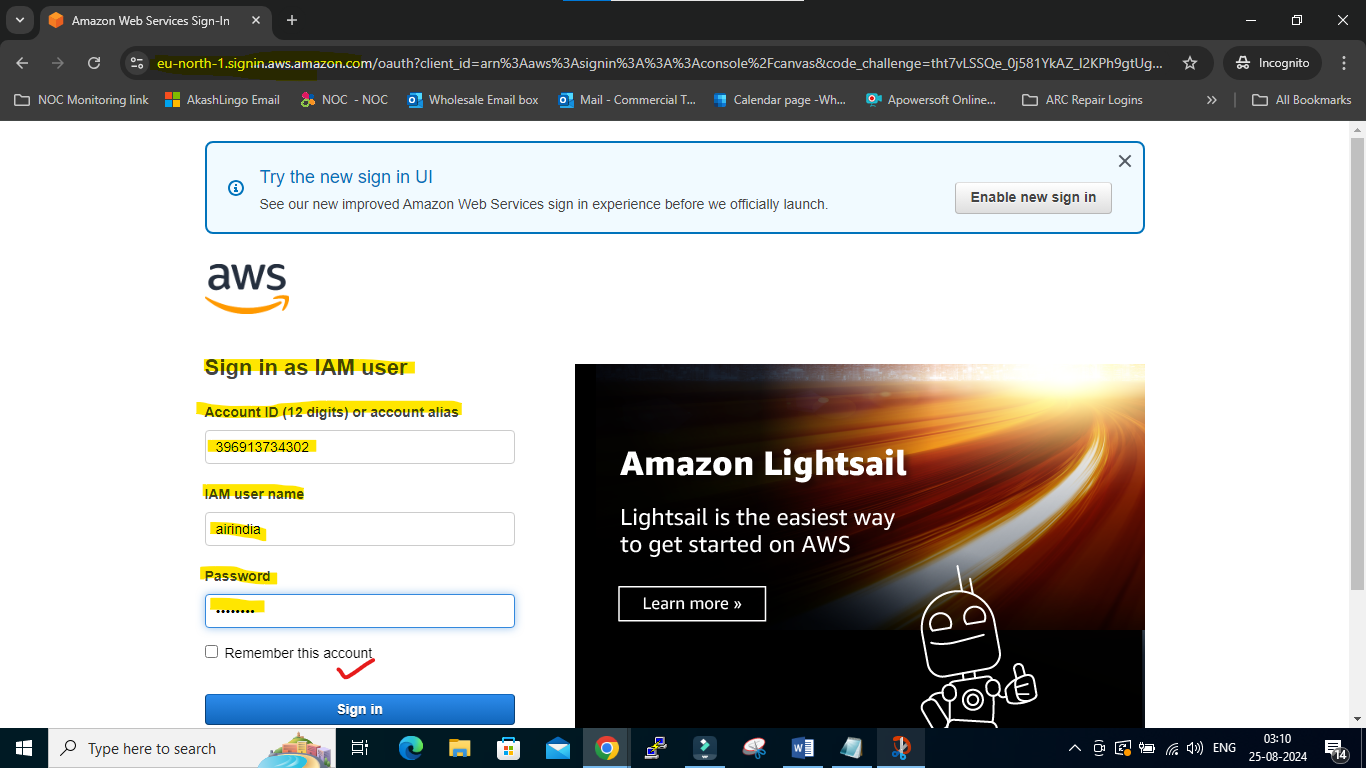
1. User: Airindia >> Policy S3 Full Access:

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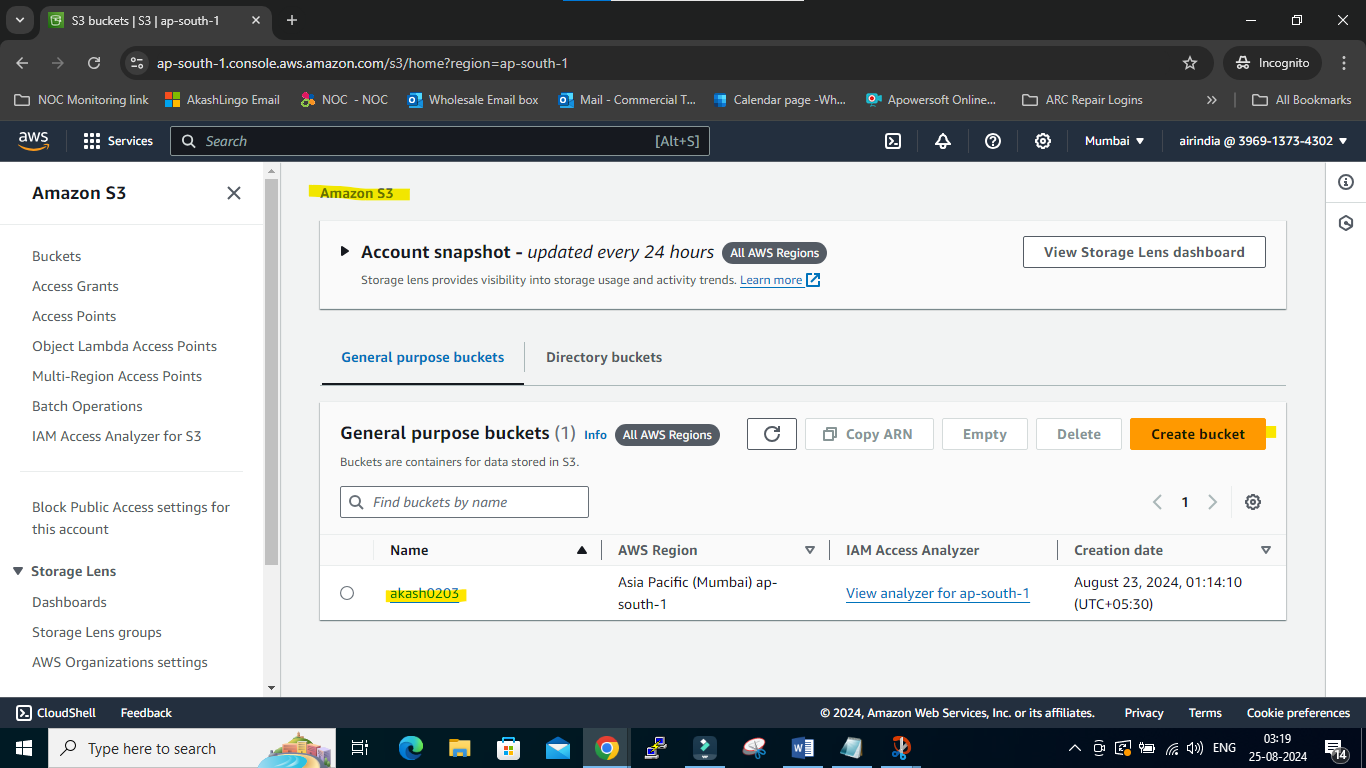
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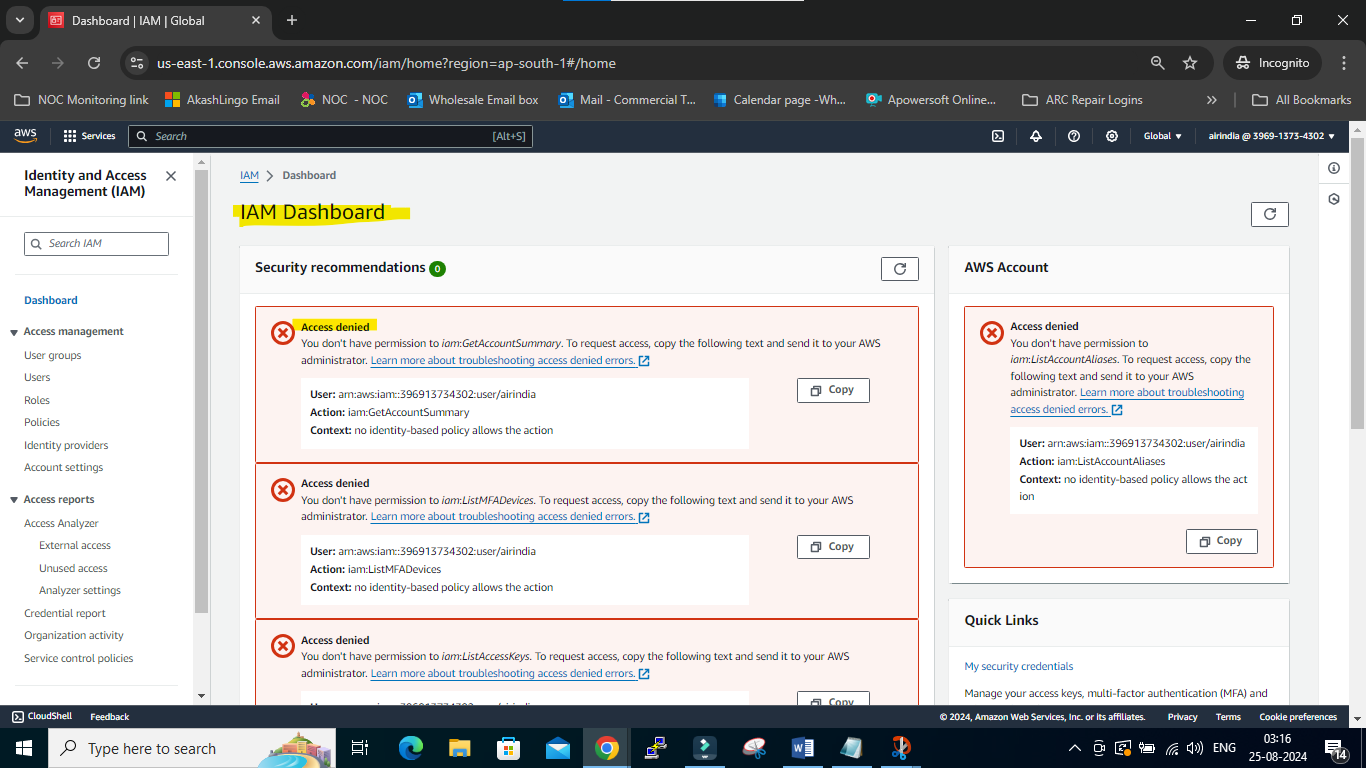
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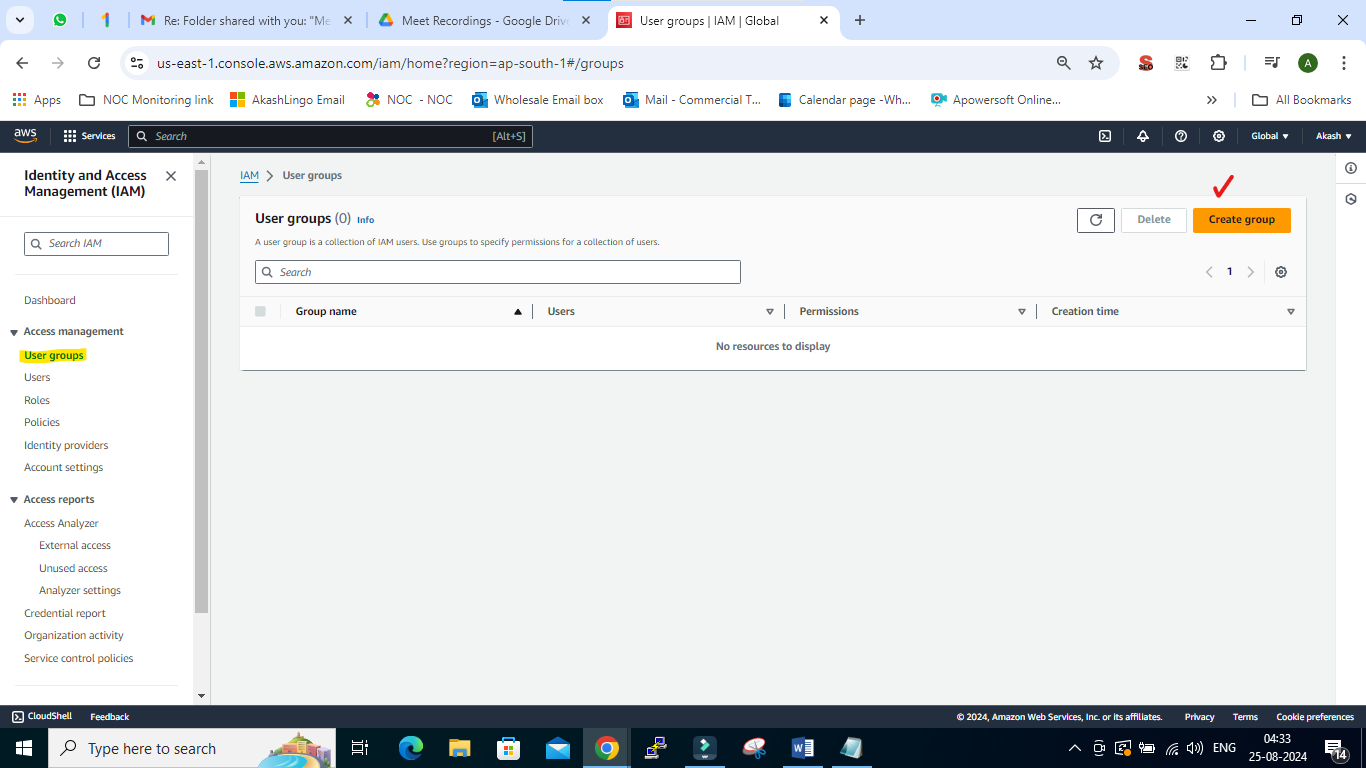


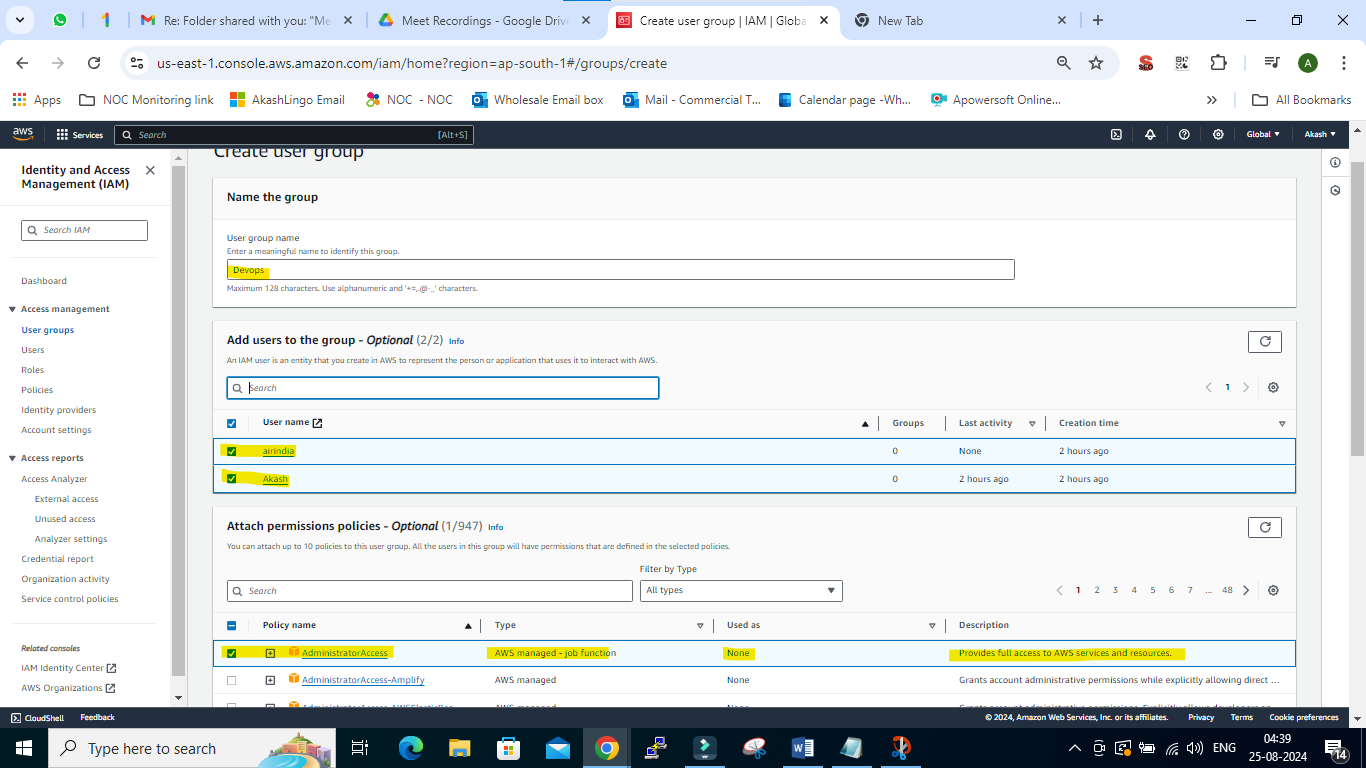
1. AirIndia user is only allow to access S3 not for IAM:

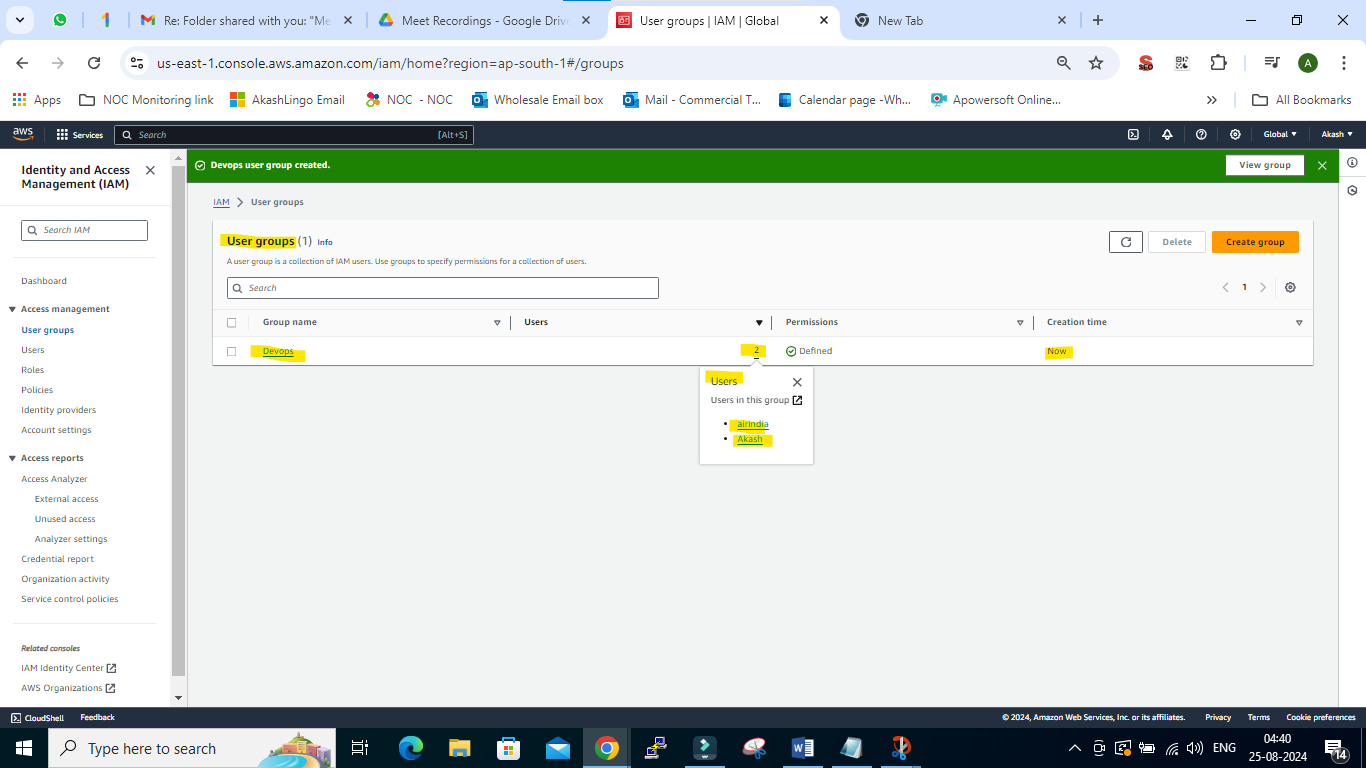


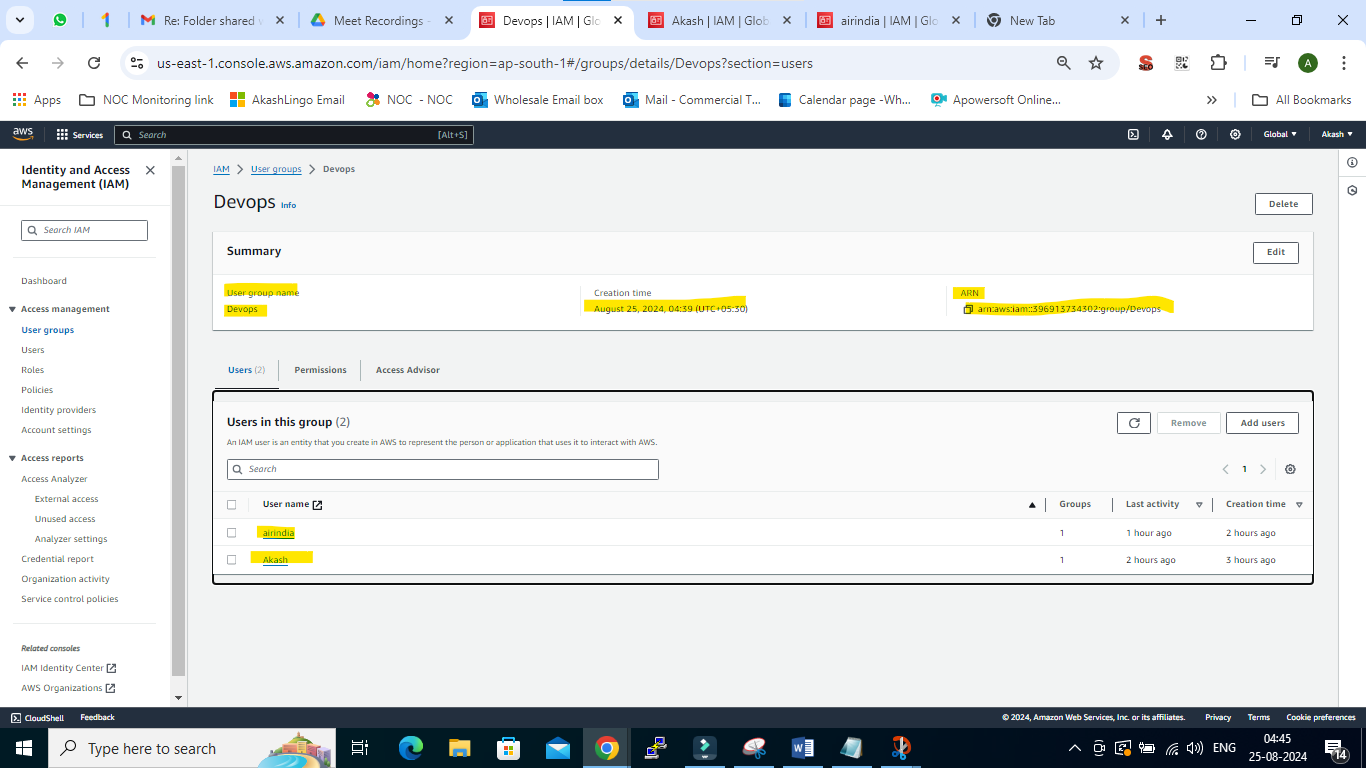


1. Create Groups:

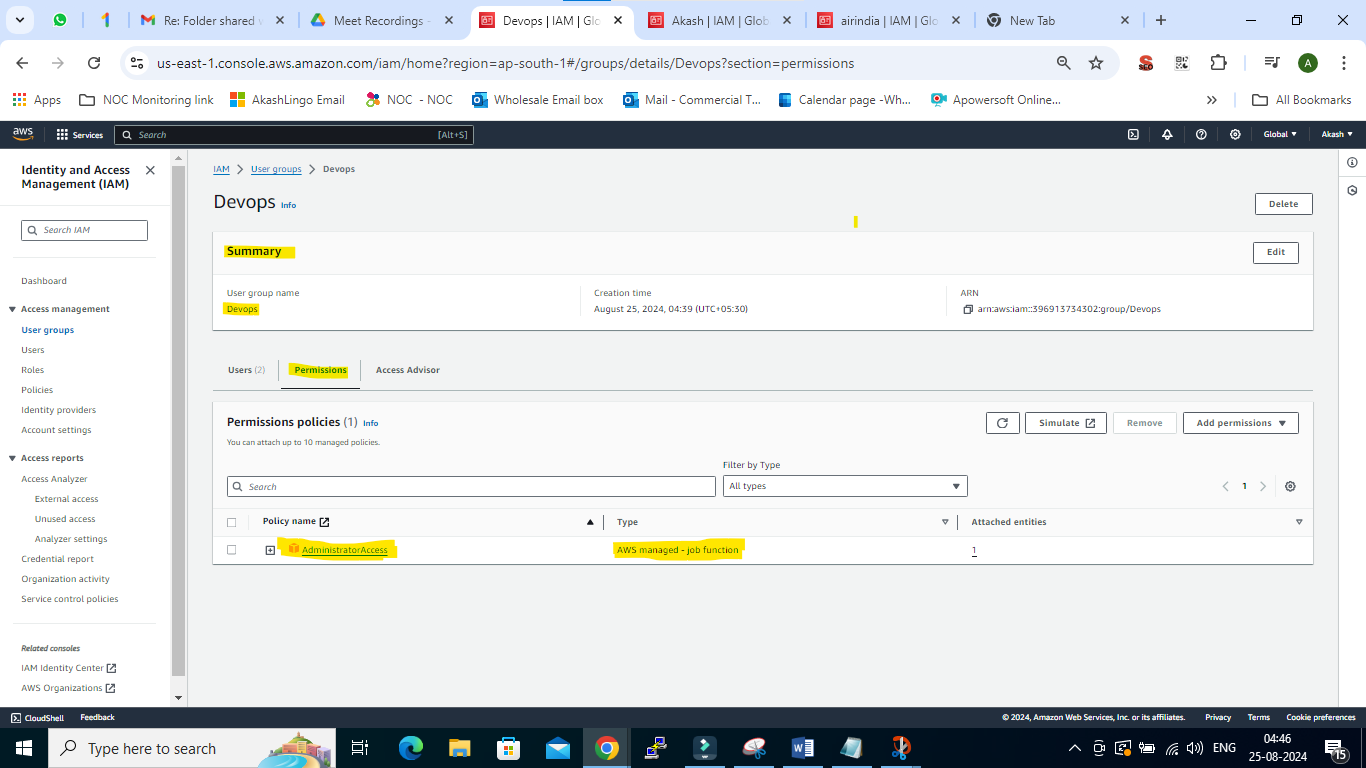






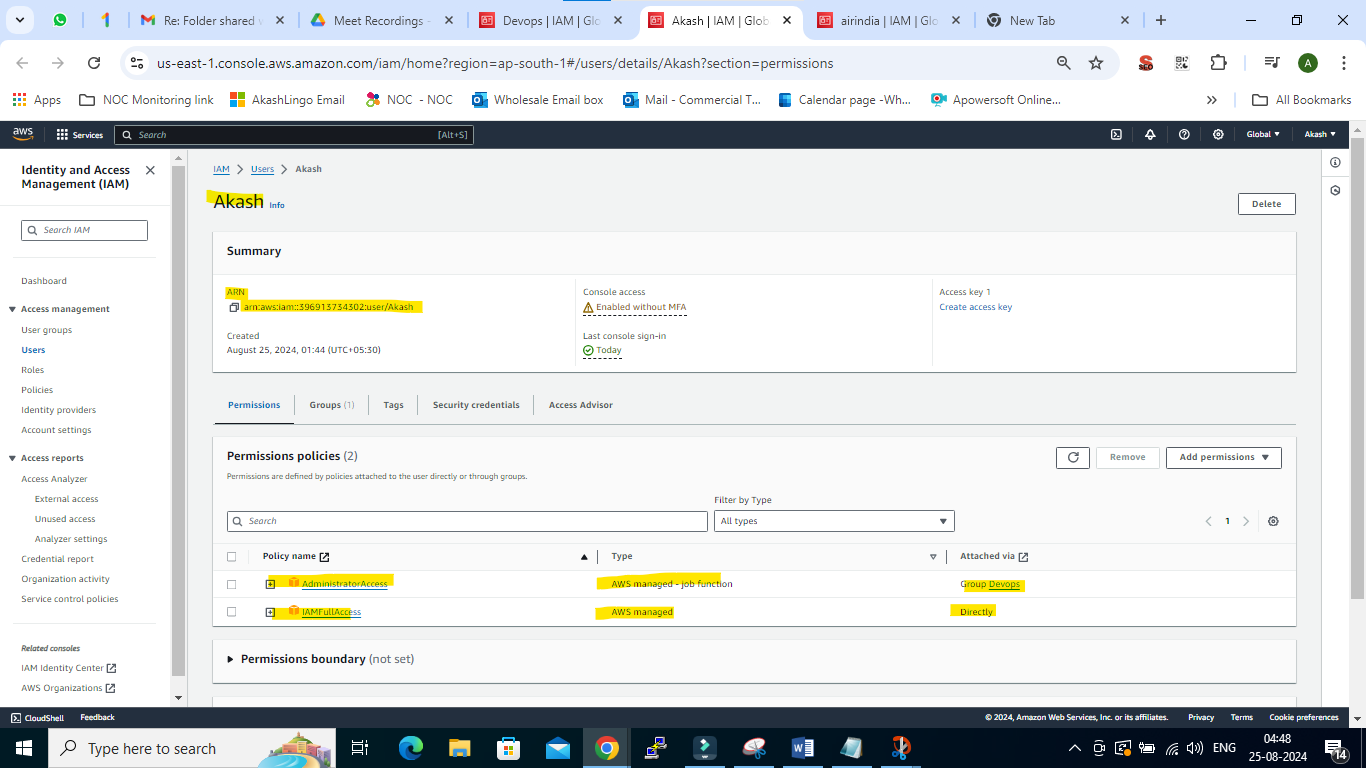


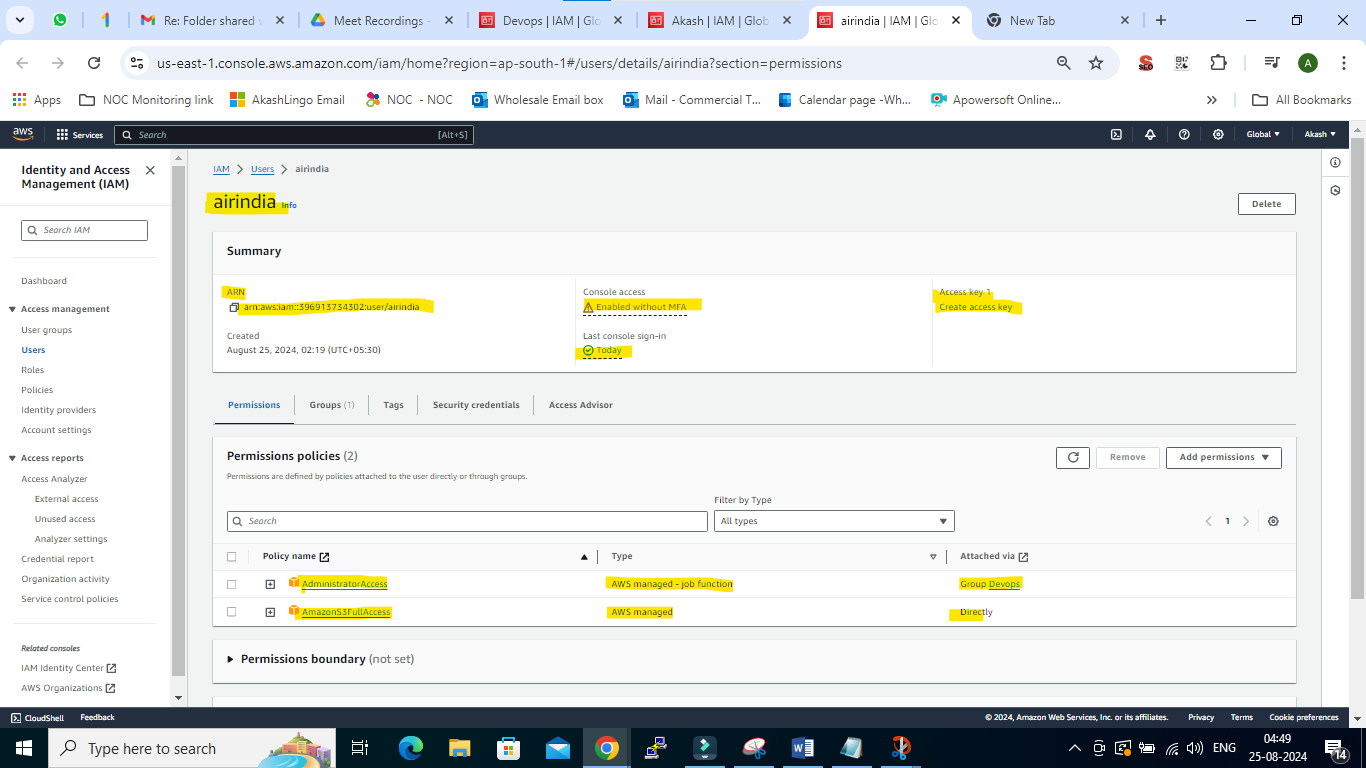
1. Group level permission:



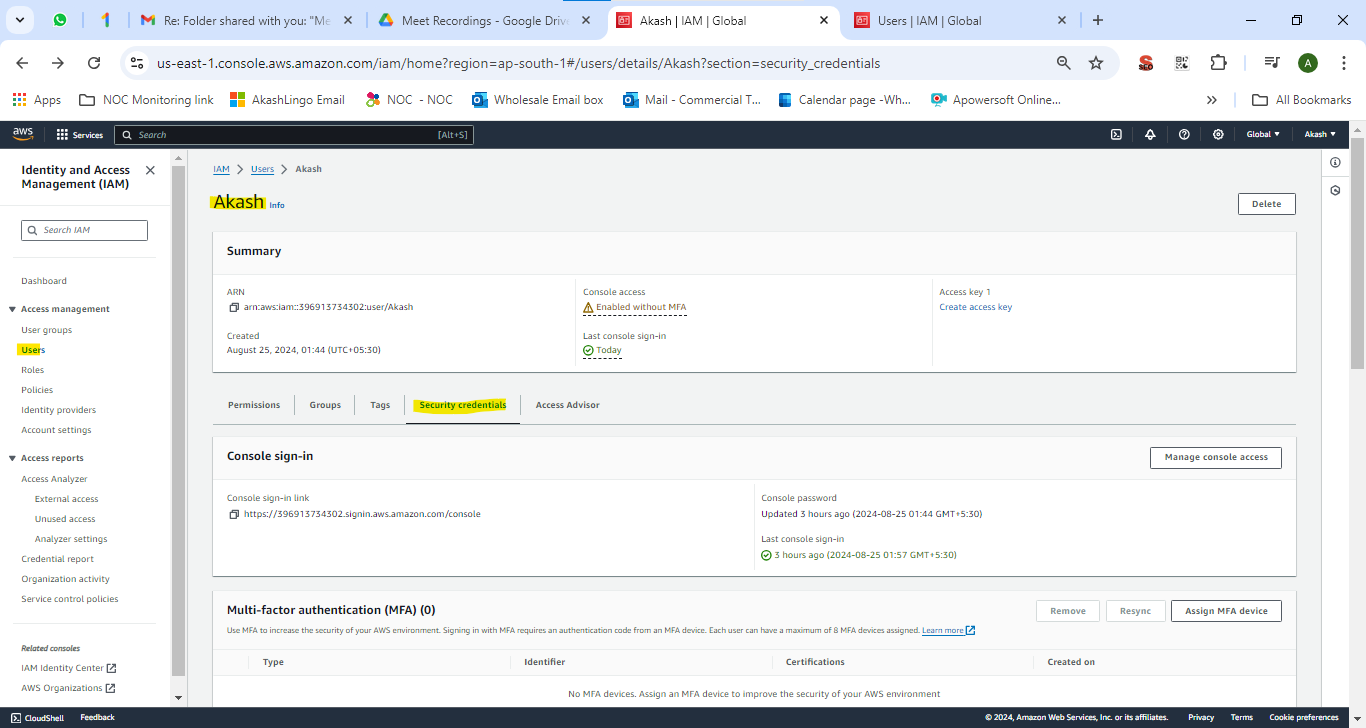
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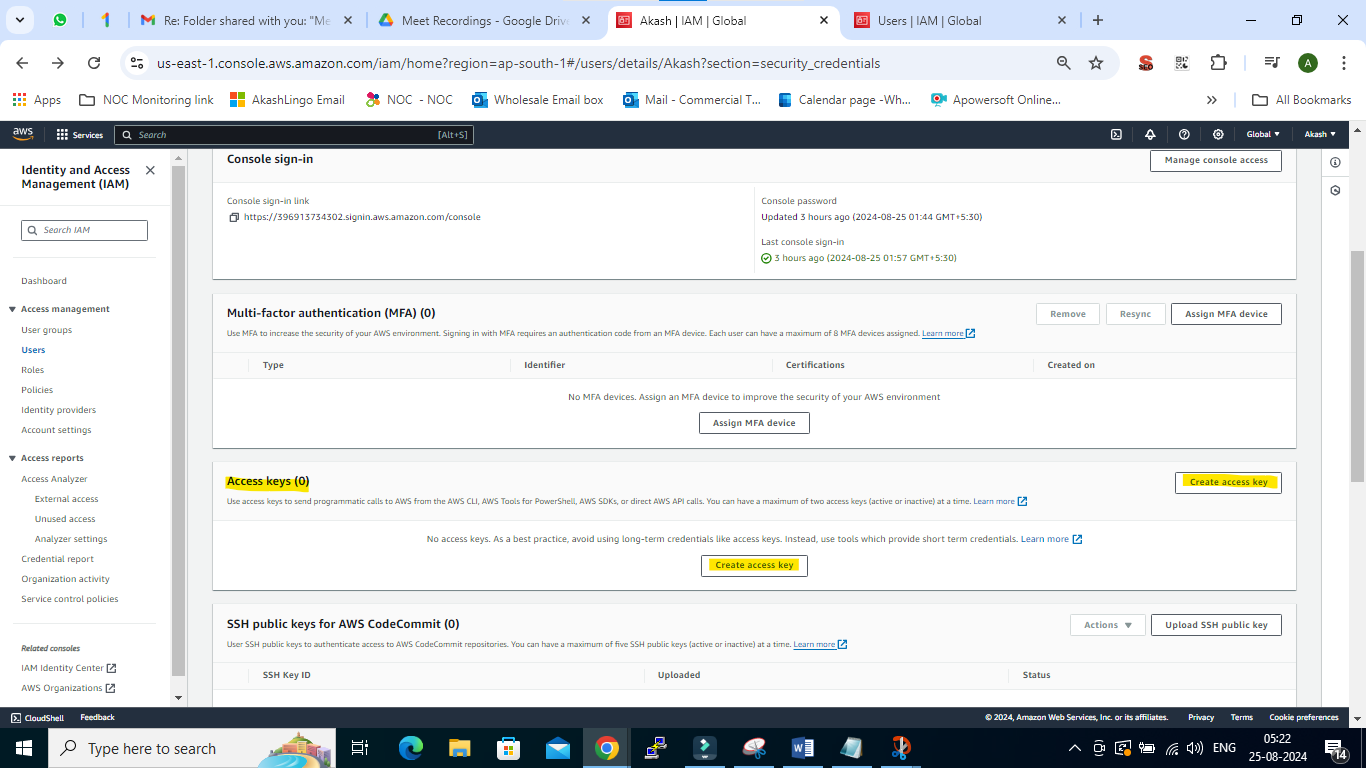
1. Individual permissions:

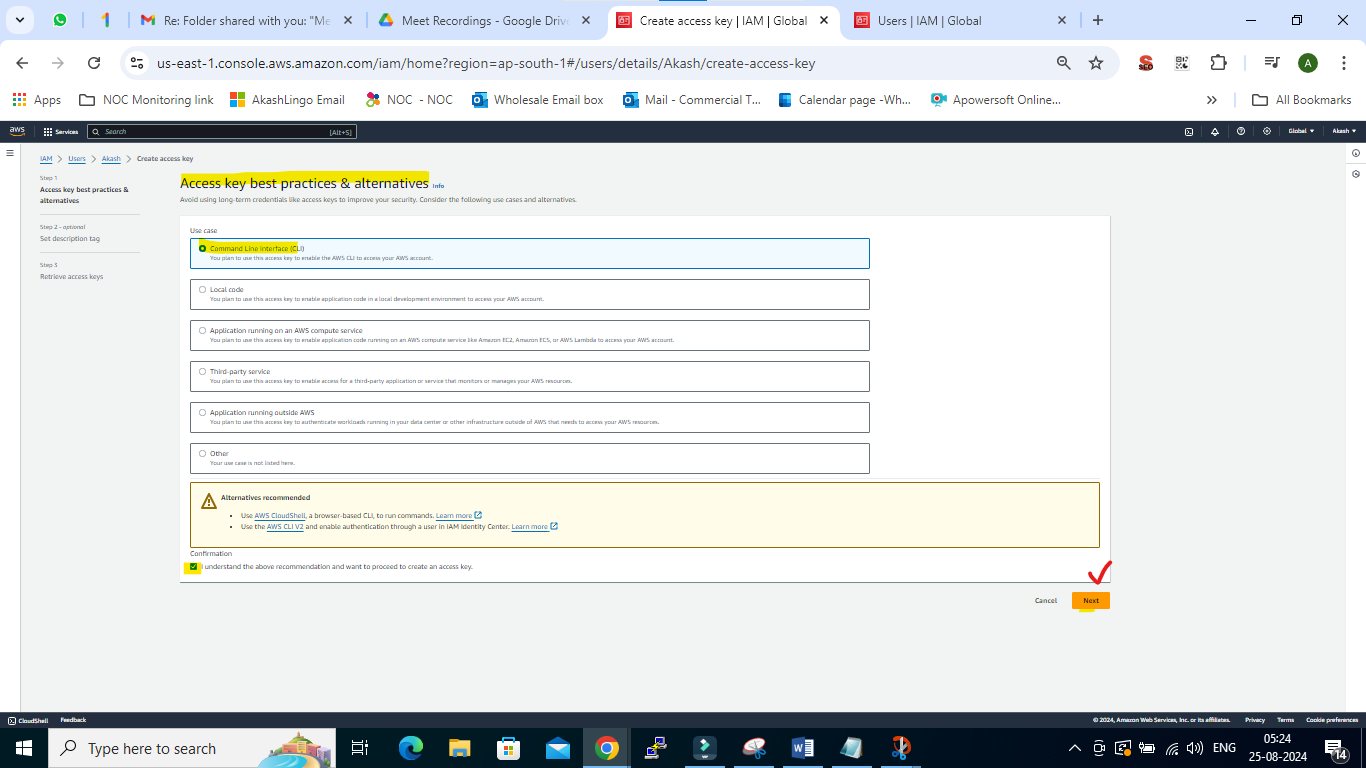


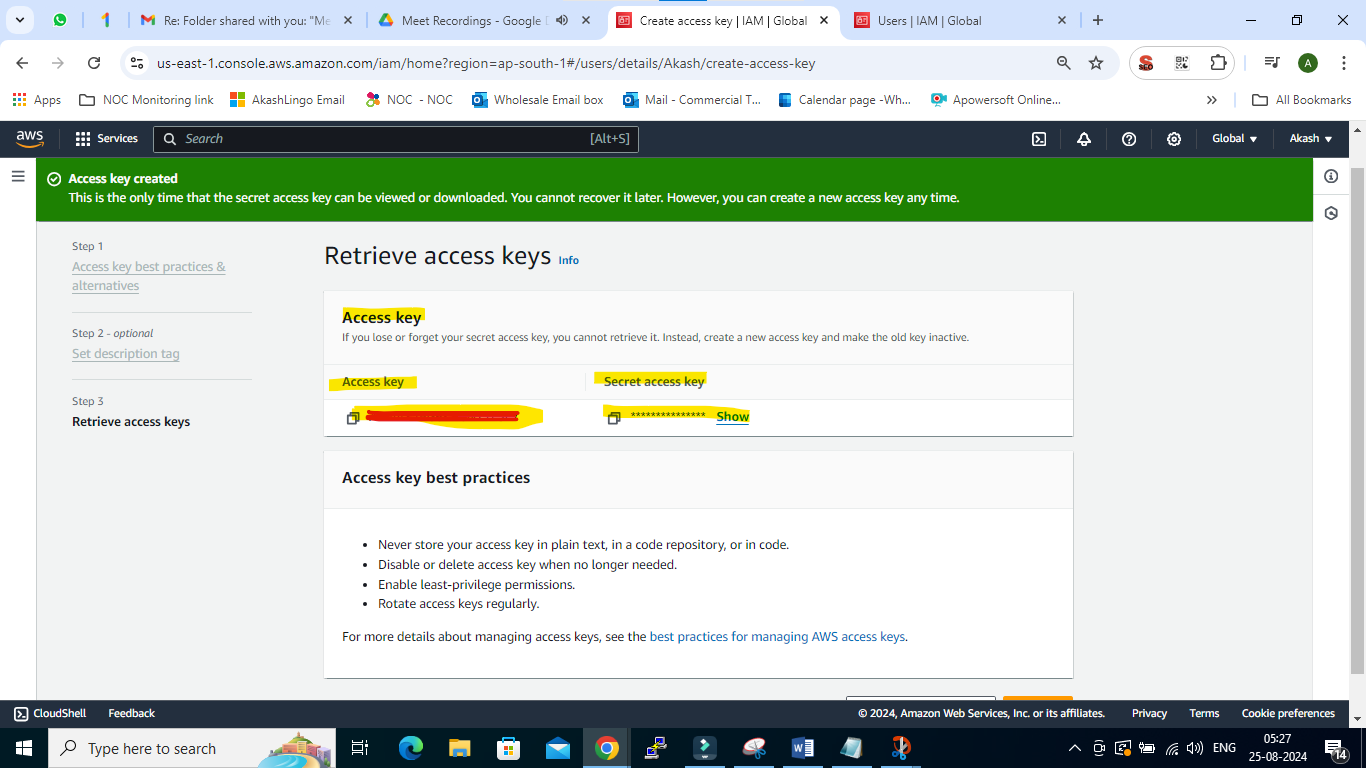


**Access Key & Secret access Key:**

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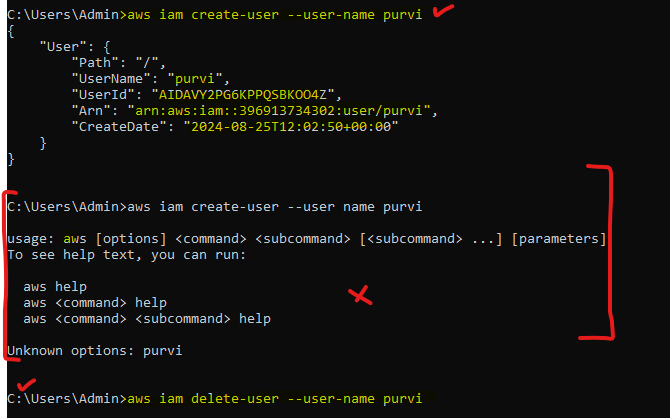
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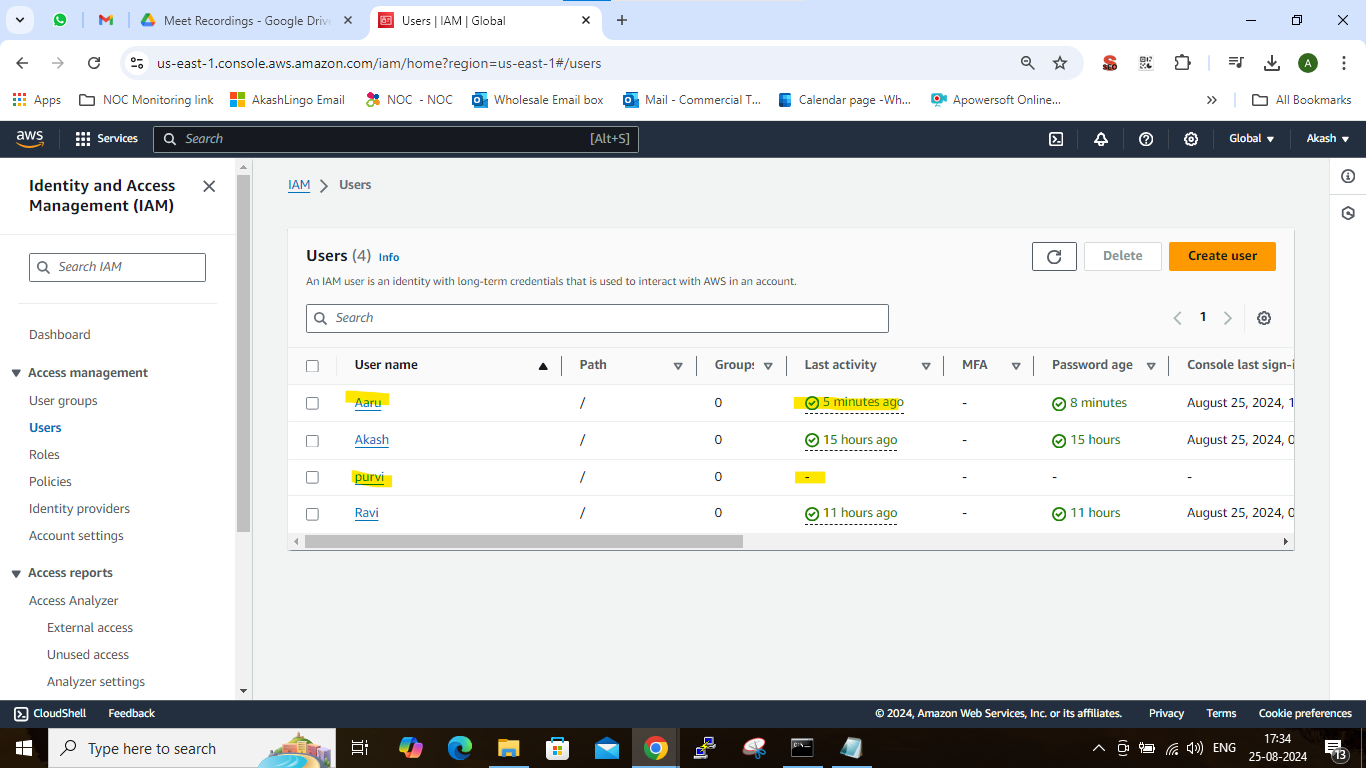
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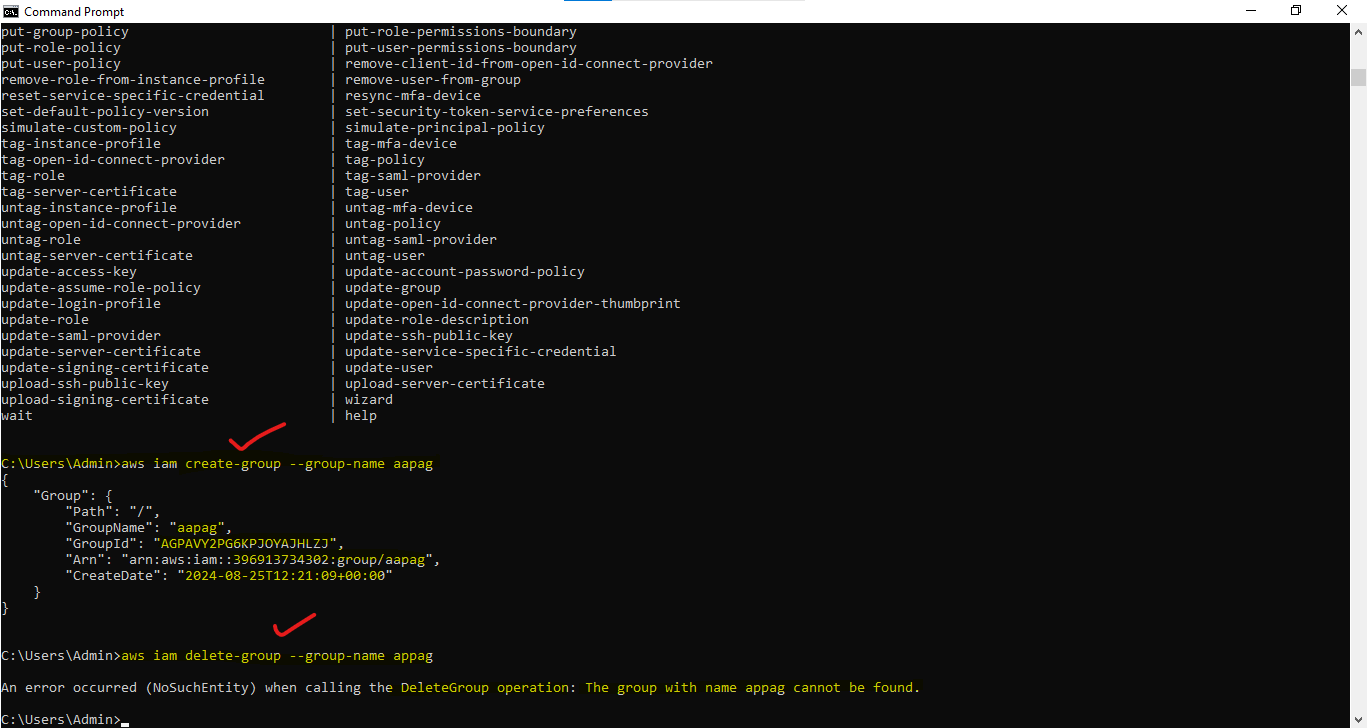
* **By using CLI:**

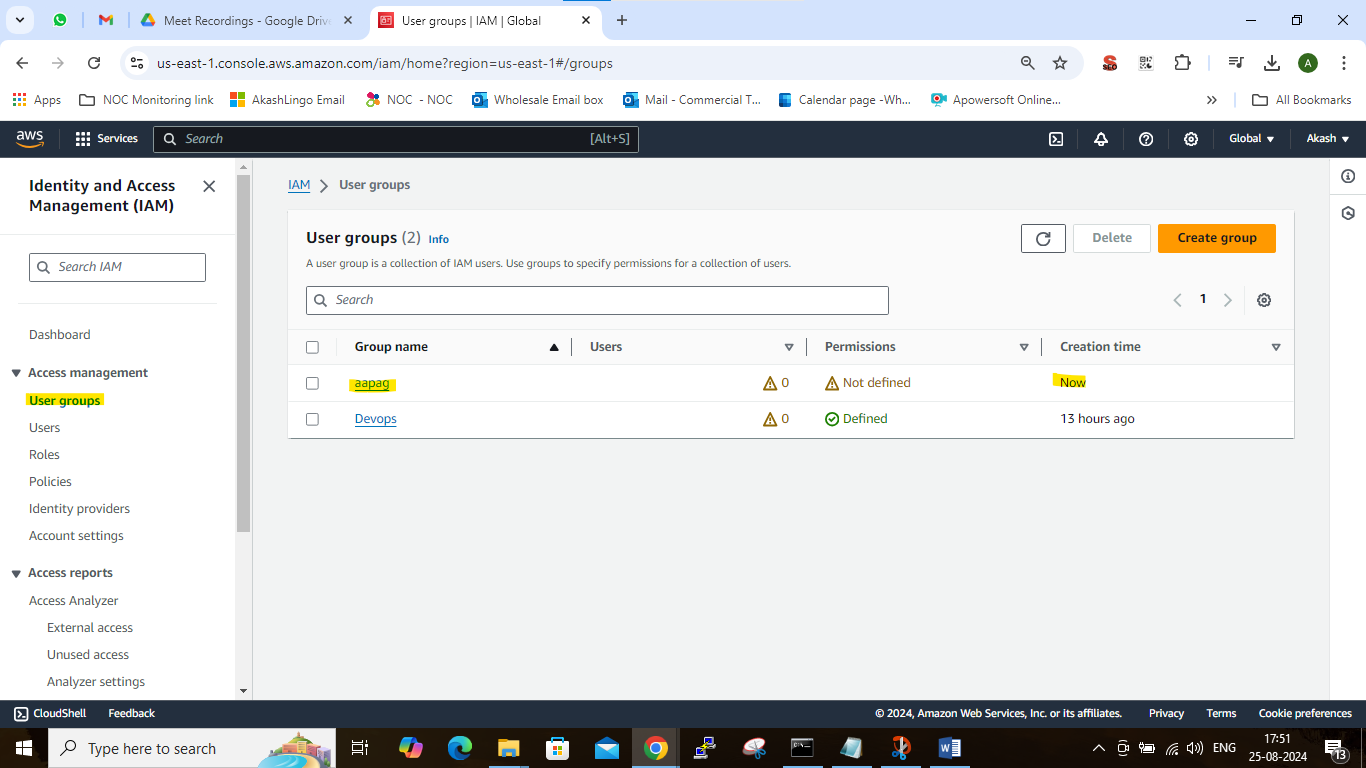
1. **Create & Deleted User:**

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1. **Create & Deleted Group:**

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**Theory – IAM (Identity Access Management)**

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**IAM: Identity access management – User management**

IMP: User, Group, Role, Policy Document

* **Login with 3 types**

1. **GUI** – URL, ID, Password
2. **CLI** – Access Key & Secret access key
3. **Terraform -**
4. Create user - Give permission to user – **Policy document** – Writhen in Jason (Java Script Object note- Key value pair) – EC2 Full access
5. Policy Document Type: 1. AWS Managed & 2. Inline Policy
6. While creating user we get ARL (Amazon Record Name) – Unique
7. Ex. **arn:aws:iam::396913734302:user/Akash**
8. Group - Give permission to Group – Policy document – Writhen in **Jason** – EC2 Full access
9. **Role**- assign Policy Document - attached with instance – a) While creating the instance b) Already created in instance

**Q. Why should I learn IAM service?**

IAM is used for the user management with the help of IAM we managed the entire **user management lifecycle**.

* User Management lifecycle

1. User ID Creation / User or Group Creation
2. Password creation
3. Email ID creation
4. Access Management / Policy Document