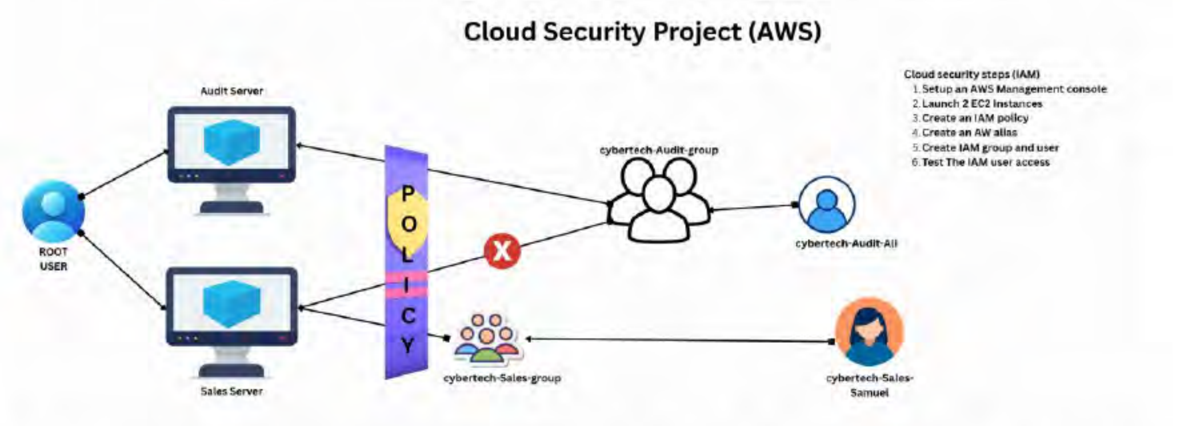
AWS IAM Cloud Security Project

1. Project Overview

I completed this project on cloud security controls in Amazon Web Services (AWS), focusing on Identity and Access Management (IAM). The goal was to create a least- privilege policy, attach it to a user or group, and verify that the policy correctly restricts actions on Amazon EC2 instance.


Cloud Security Project (AWS)
Audit Server
ROOT USER
Sales Server
POLICY
cybertech-Audit-group
cybertech-Audit-Ali
cybertech-Sales-group
cybertech-Sales-Samuel
Cloud security steps (IAM)
1. Setup an AWS Management console
2. Launch 2 EC2 Instances
3. Create an IAM policy
4. Create an AW alias
5. Create IAM group and user
6. Test The IAM user access

In this project, we will be creating Users, User groups, buckets, cloudtrails, polices and implementing those policies and verifying them.

Standard practice prescribes that we don't do anything on root user, i.e we do not create EC2, S3 buckets from the root user, however we can use it to create a user with admin privileges. one we are done with this, we log out and go to the login page where we will be given the option to log in as IAM user.. please proceed with this and you can now start creatin all we need from this new login channel

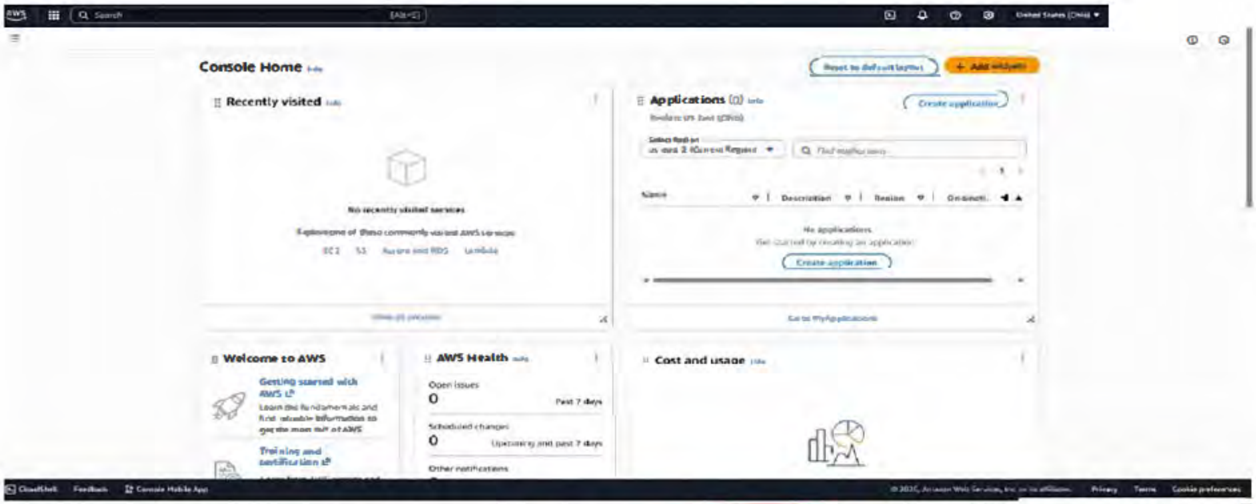
In AWS, we use services to create everything

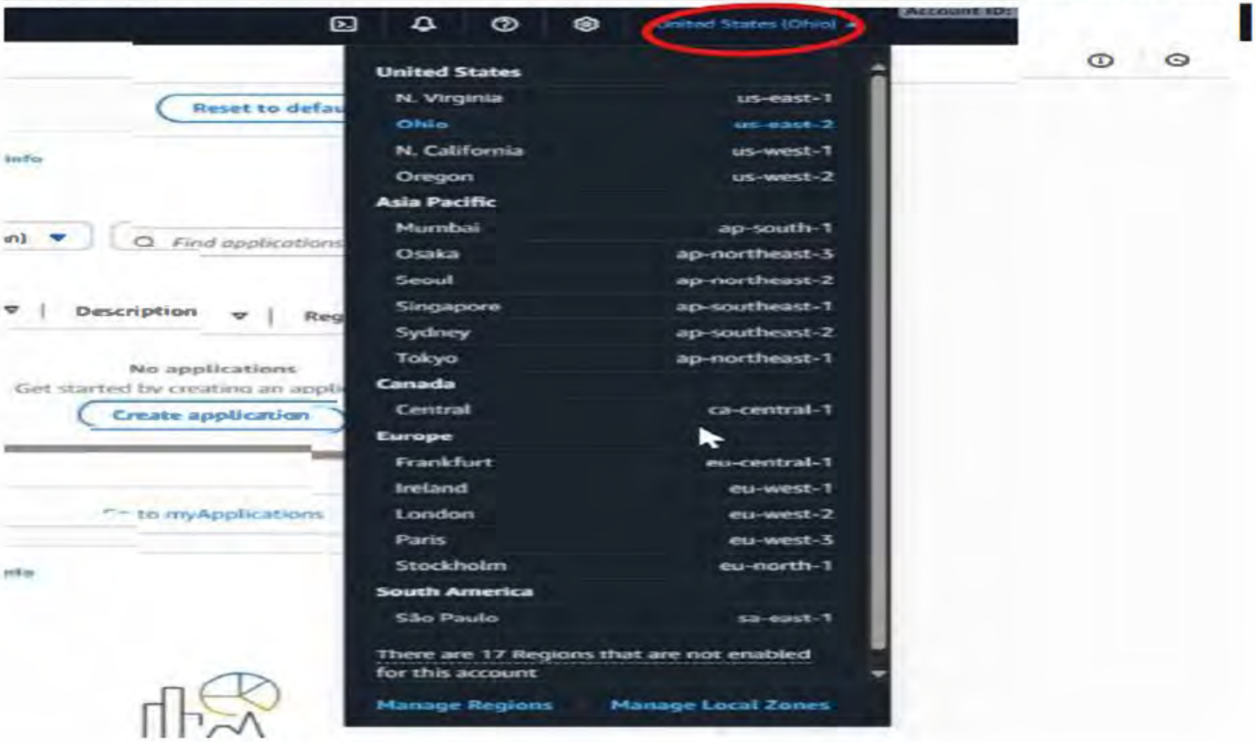
Firstly we can create an AWS trail account for 6 month on the website at Cloud Computing Services - Amazon Web Services (AWS), a credit card will be required however you will get a credit to use to run your simulation.

CREATING THE IAM USER AND GROUPS

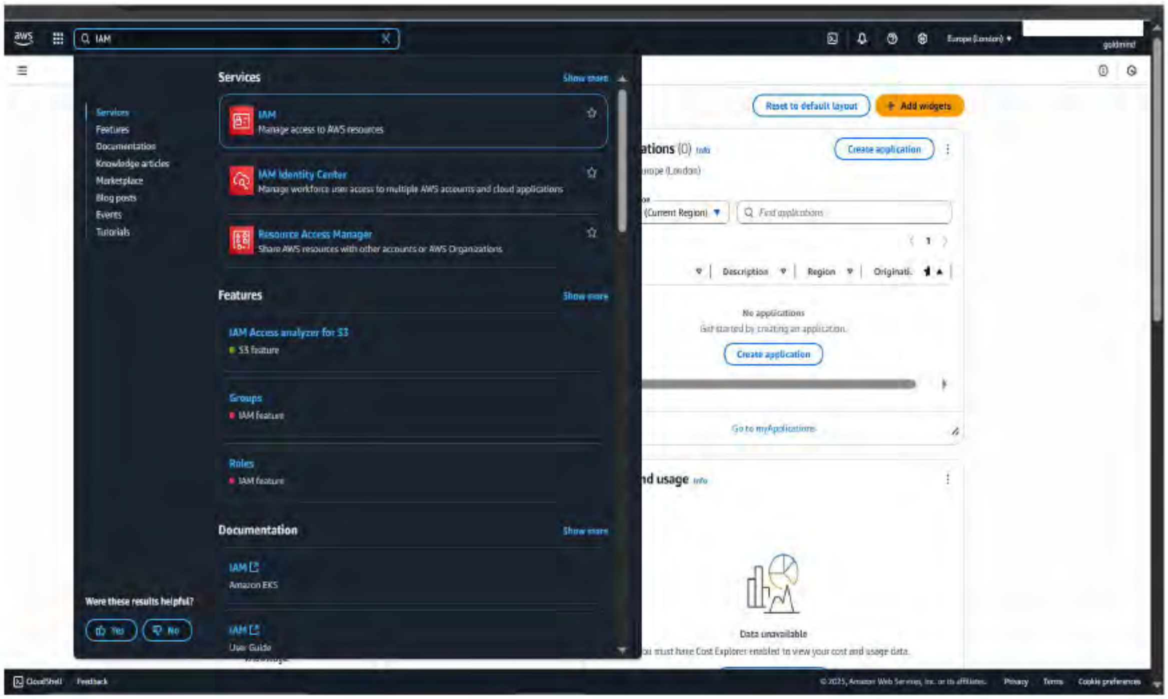
Upon creating an account and logging in, it will be a root user, so we will set up MFA (to make it secure) and create a user with admin privileges.

Firstly, we need to change our geographical location to our closest location



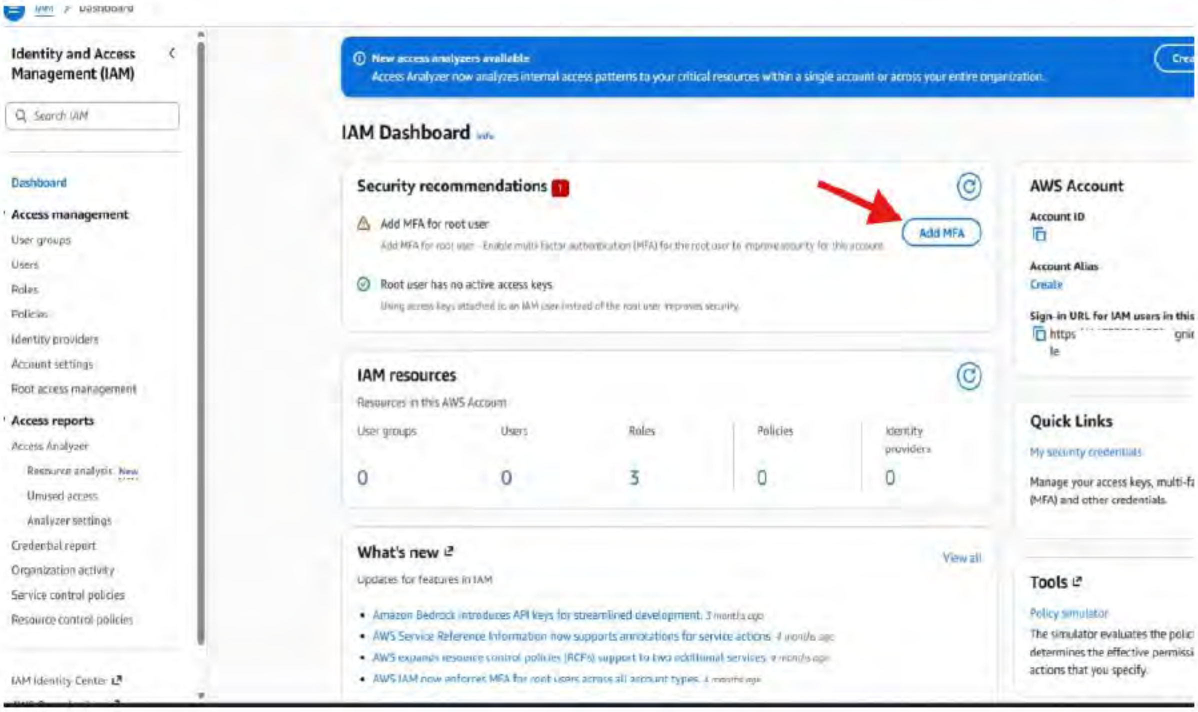


In the search bar, find the IAM service , as best practice, set up MFA



Search for IAM from the search column

click on IAM



New access analyzers available

Access Analyzer now analyzes internal access patterns to your critical resources within a single account or across your entire organization.

Add MFA for root user

Add MFA for root user - Enable multi-factor authentication (MFA) for the root user to improve security for this account.

Root user has no active access keys

Using access keys attached to an IAM user instead of the root user improves security.

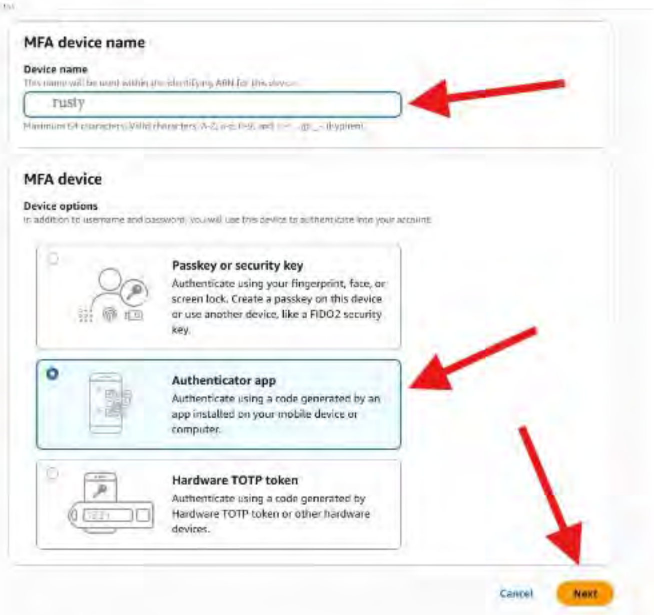
- Amazon Bedrock introduces API keys for streamlined development. 3 months ago
- AWS Service Reference Information now supports annotations for service actions. 4 months ago
- AWS expands resource control policies (RCPs) support to two additional services. 4 months ago
- AWS IAM now enforces MFA for root users across all account types. 4 months ago

Manage your access keys, multi-f (MFA) and other credentials.

The simulator evaluates the polic determines the effective permissi actions that you specify.

Add MFA

Give the device a name and select a MFA device of your choice, in this instance we will use an Authentication app



MFA device name

Device name

This name will be used within the identifying ARN for this device.

rusty

Maximum 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

MFA device

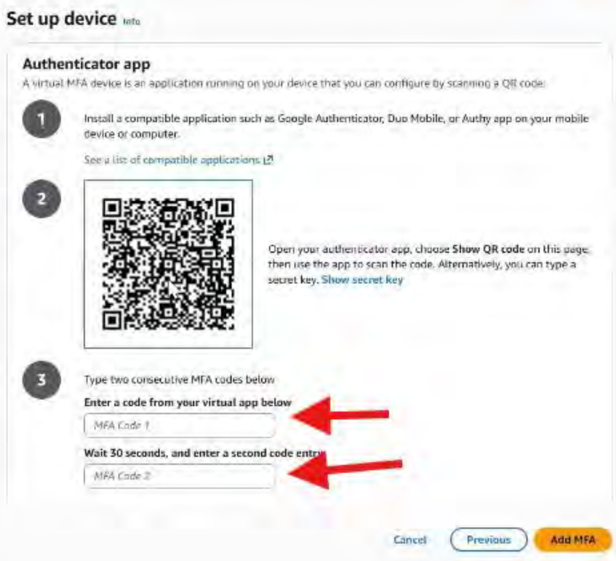
Device options

In addition to username and password, you will use this device to authenticate into your account.

○ **Passkey or security key**
Authenticate using your fingerprint, face, or screen lock. Create a passkey on this device or use another device, like a FIDO2 security key.

● **Authenticator app**
Authenticate using a code generated by an app installed on your mobile device or computer.

○ **Hardware TOTP token**
Authenticate using a code generated by Hardware TOTP token or other hardware devices.



Set up device

Authenticator app

A virtual MFA device is an application running on your device that you can configure by scanning a QR code.

1. Install a compatible application such as Google Authenticator, Duo Mobile, or Authy app on your mobile device or computer.

   See a list of compatible applications

2. Open your authenticator app, choose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. Show secret key

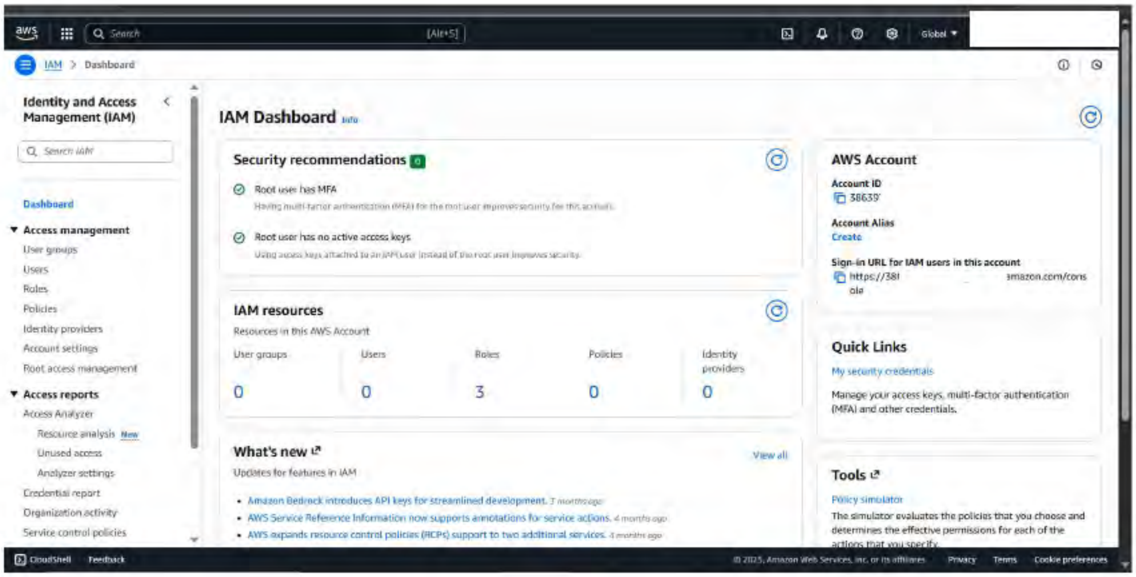
3. Type two consecutive MFA codes below

   Enter a code from your virtual app below

   MFA Code 1

   Wait 30 seconds, and enter a second code entry

   MFA Code 2



IAM Dashboard Info

Security recommendations 0

✓ Root user has MFA

Having multi-factor authentication (MFA) for the root user improves security for this account.

✓ Root user has no active access keys

Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers
0	0	3	0	0

What's new

View all

Updates for features in IAM

- Amazon Bedrock introduces API keys for streamlined development. 3 months ago
- AWS Service Reference Information now supports annotations for service actions. 4 months ago
- AWS expands resource control policies (RCPs) support to two additional services. 4 months ago

AWS Account

Account ID

38639'

Account Alias

Create

Sign-in URL for IAM users in this account

https://38I amazon.com/cons ole

Quick Links

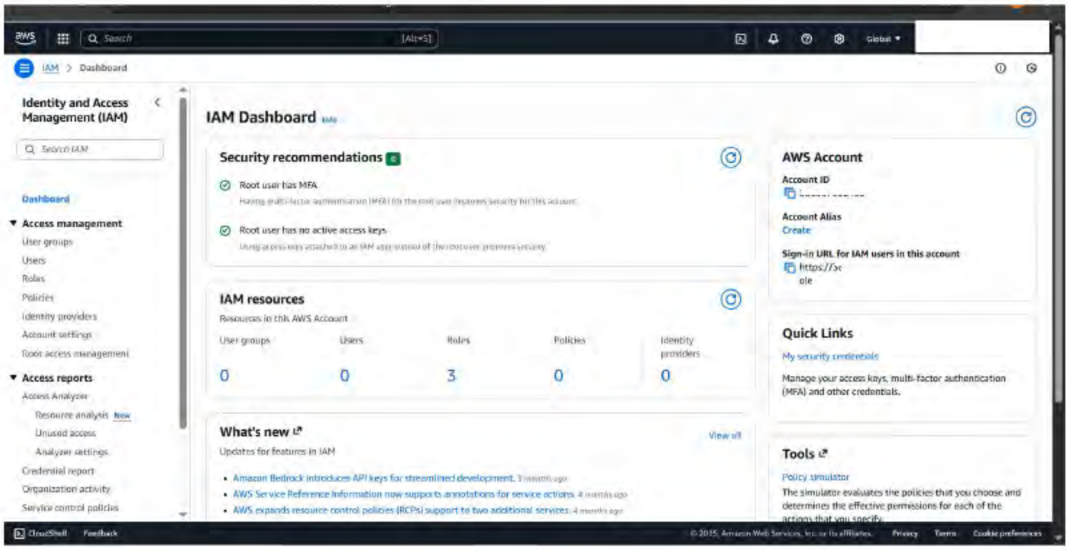
My security credentials

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

Policy simulator

The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.



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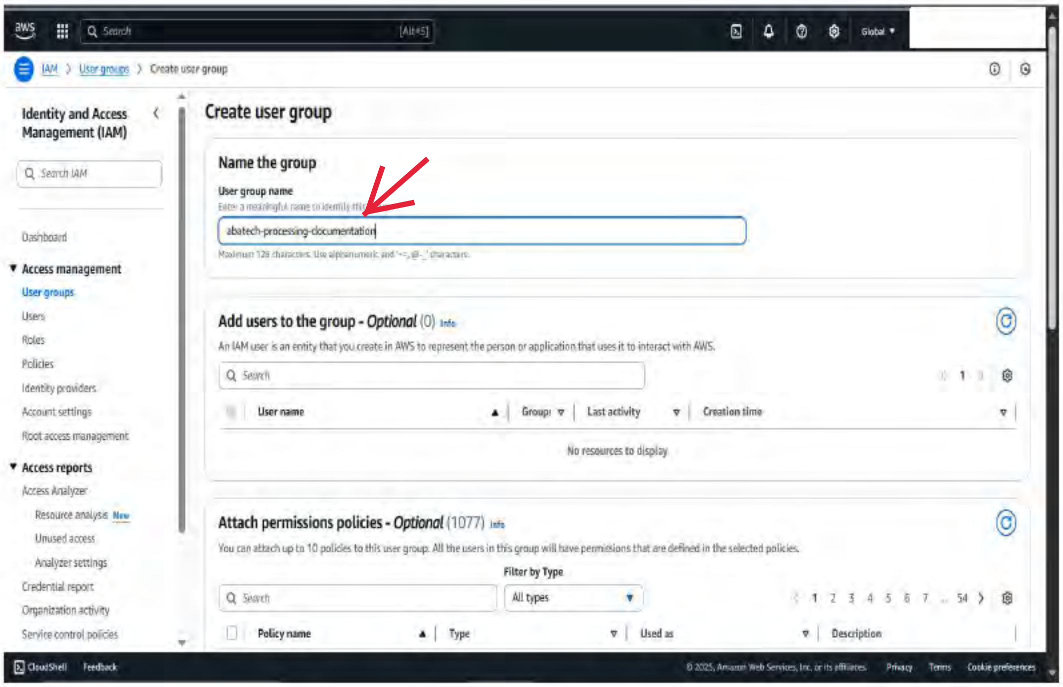


Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

abatech-processing-documentation

Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.

Add users to the group - *Optional* (0) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

User name	Groups	Last activity	Creation time

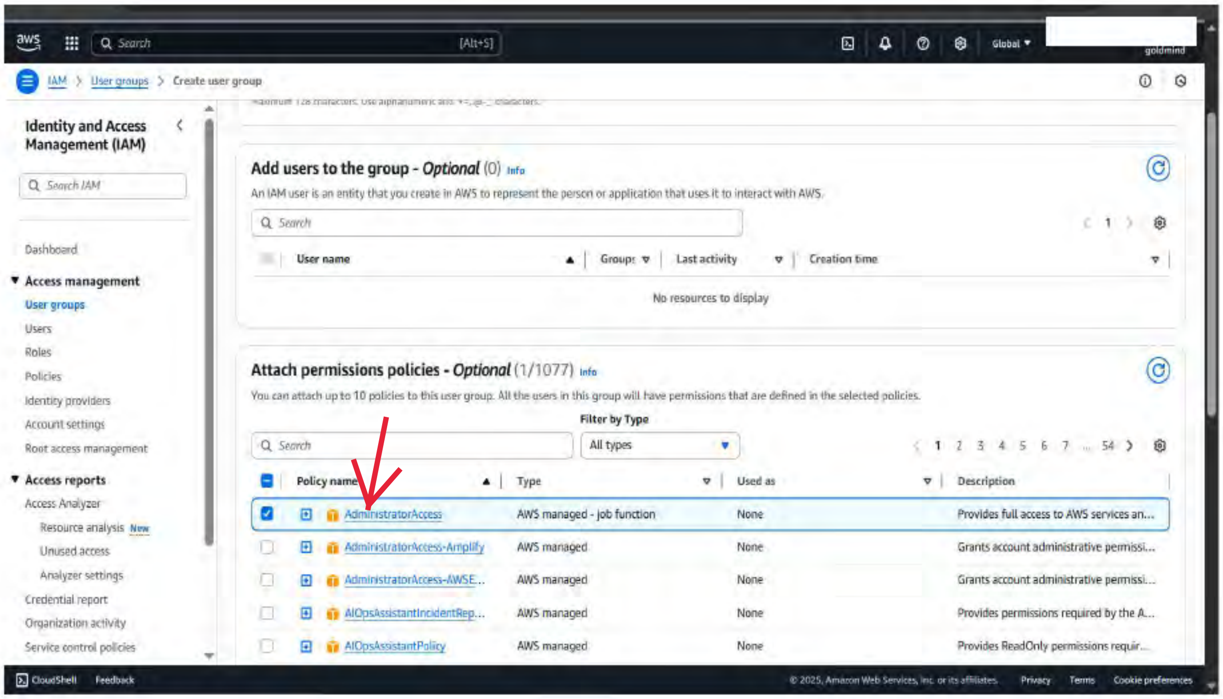
No resources to display

Attach permissions policies - *Optional* (1077) Info

You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.

Search | Filter by Type: All types | 1 2 3 4 5 6 7 ... 54

□	Policy name	Type	Used as	Description



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□	User name ▲	Groups ▿	Last activity ▿	Creation time ▿
		No resources to display		

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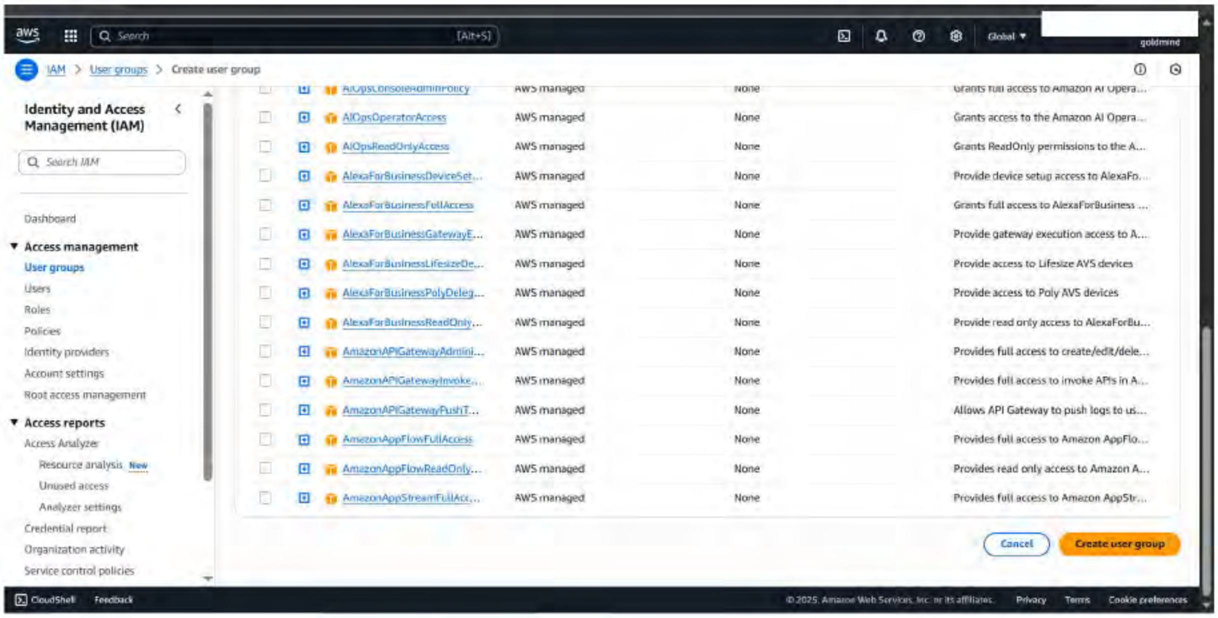
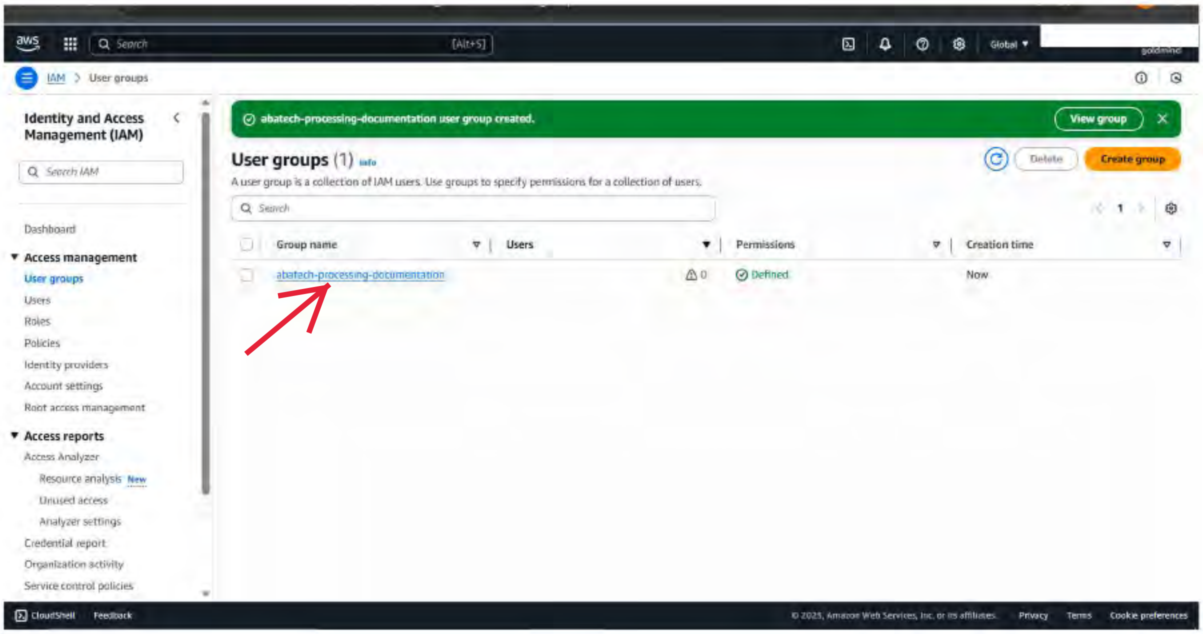
Filter by Type: All types ▾

‹ 1 2 3 4 5 6 7 ... 54 ›

☑	Policy name ▲	Type ▿	Used as ▿	Description
☑	AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services an...
□	AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permissi...
□	AdministratorAccess-AWSE...	AWS managed	None	Grants account administrative permissi...
□	AIOpsAssistantIncidentRep...	AWS managed	None	Provides permissions required by the A...
□	AIOpsAssistantPolicy	AWS managed	None	Provides ReadOnly permissions requir...



□	AIOpsConsoleAdminPolicy	AWS managed	None	Grants full access to Amazon AI Opera...
□	AIOpsOperatorAccess	AWS managed	None	Grants access to the Amazon AI Opera...
□	AIOpsReadOnlyAccess	AWS managed	None	Grants ReadOnly permissions to the A...
□	AlexaForBusinessDeviceSet...	AWS managed	None	Provide device setup access to AlexaFo...
□	AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...
□	AlexaForBusinessGatewayE...	AWS managed	None	Provide gateway execution access to A...
□	AlexaForBusinessLifesizeDe...	AWS managed	None	Provide access to Lifesize AVS devices
□	AlexaForBusinessPolyDeleg...	AWS managed	None	Provide access to Poly AVS devices
□	AlexaForBusinessReadOnly...	AWS managed	None	Provide read only access to AlexaForBu...
□	AmazonAPIGatewayAdmini...	AWS managed	None	Provides full access to create/edit/dele...
□	AmazonAPIGatewayInvoke...	AWS managed	None	Provides full access to invoke APIs in A...
□	AmazonAPIGatewayPushT...	AWS managed	None	Allows API Gateway to push logs to us...
□	AmazonAppFlowFullAccess	AWS managed	None	Provides full access to Amazon AppFlo...
□	AmazonAppFlowReadOnly...	AWS managed	None	Provides read only access to Amazon A...
□	AmazonAppStreamFullAcc...	AWS managed	None	Provides full access to Amazon AppStr...

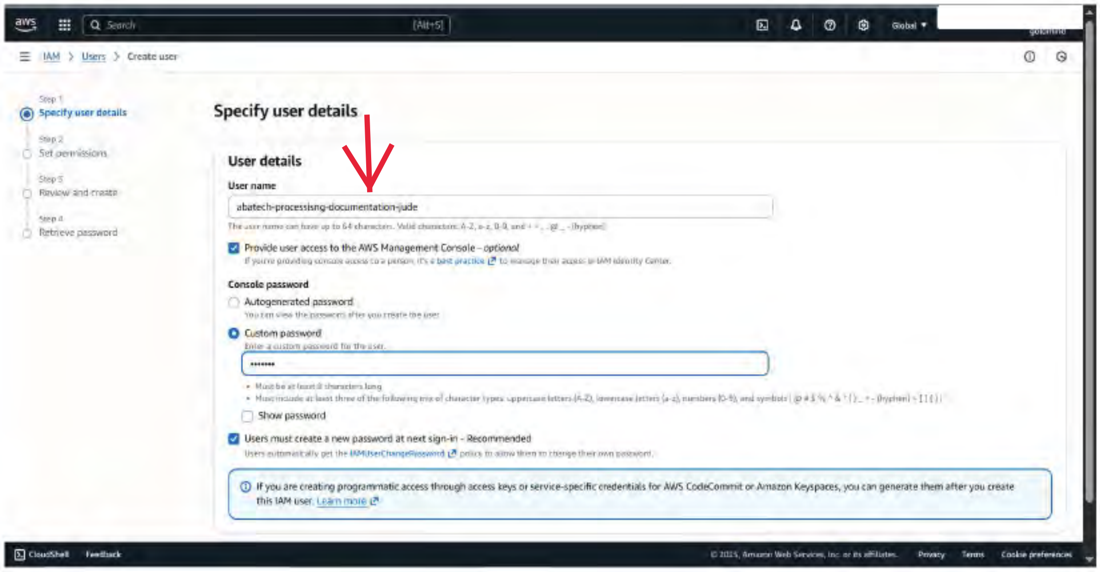


abatech-processing-documentation user group created.

User groups (1) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

□	Group name ▿	Users ▾	Permissions ▿	Creation time ▿
□	abatech-processing-documentation	⚠ 0	✓ Defined	Now



Specify user details

User details

User name

abatech-processisng-documentation-jude

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☑ Provide user access to the AWS Management Console - *optional*
If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.

Console password

○ Autogenerated password
You can view the password after you create the user.

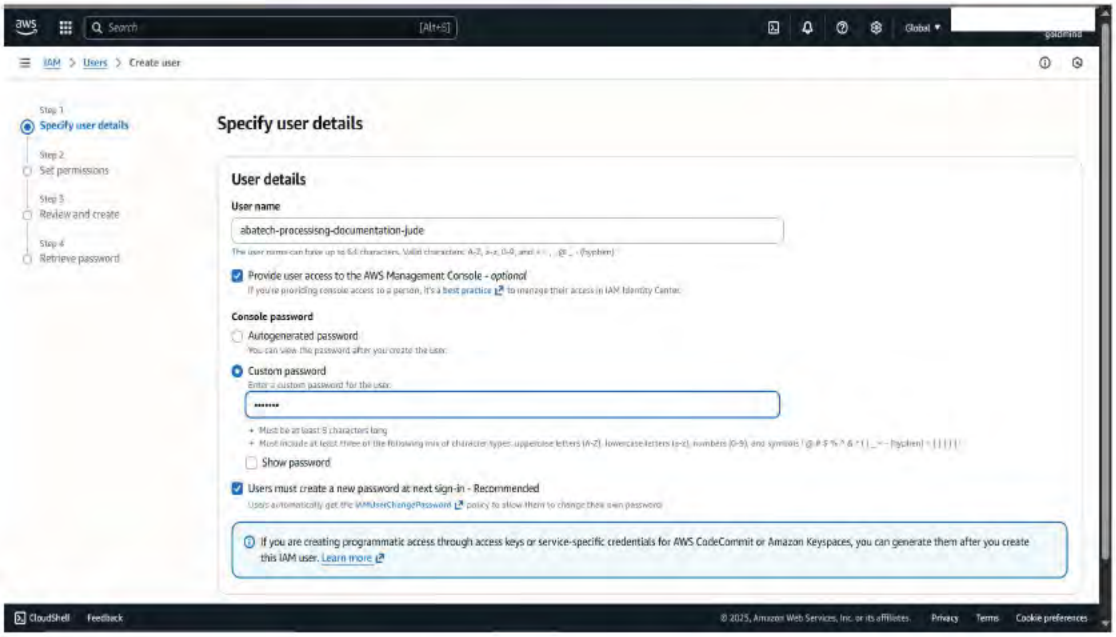
● Custom password
Enter a custom password for the user.
•••••••

- Must be at least 8 characters long
- Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # $ % ^ & * ( ) _ + - (hyphen) = [ ] { } |

□ Show password

☑ Users must create a new password at next sign-in - Recommended
Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

ⓘ If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more



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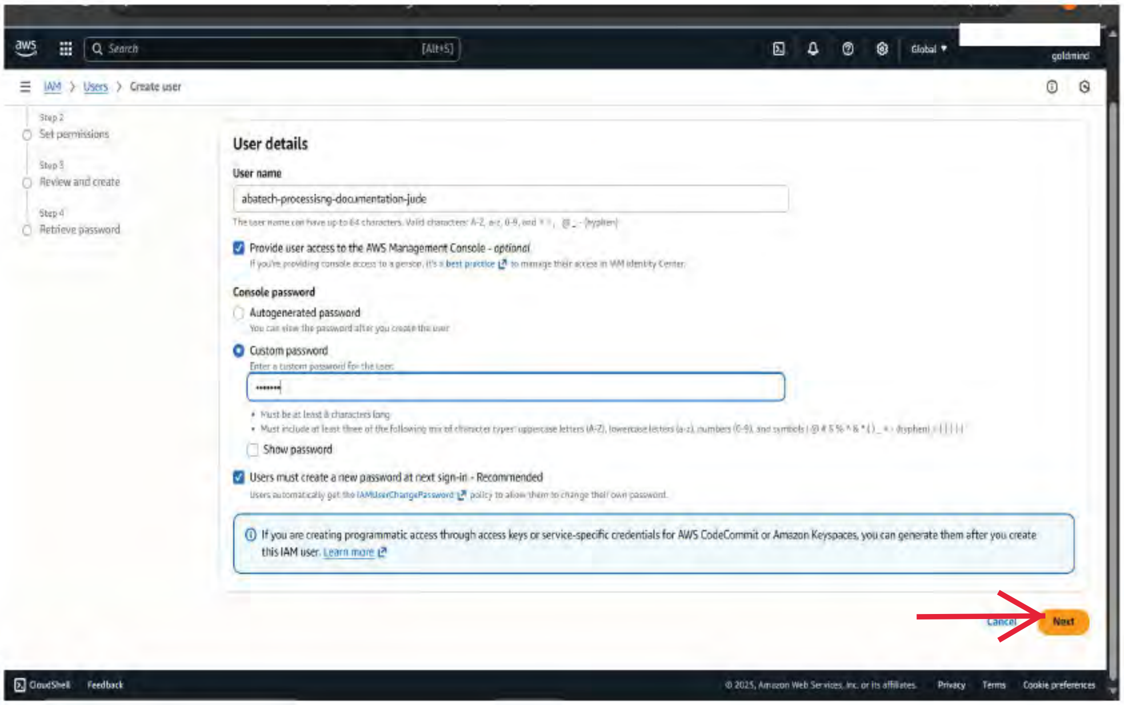

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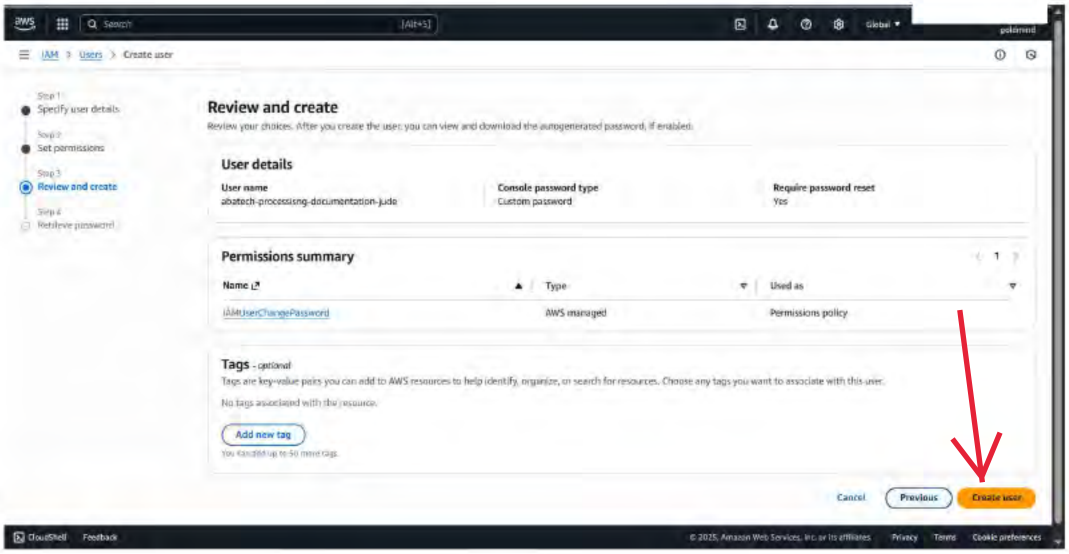


Review and create

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

User details

User name	Console password type	Require password reset
abatech-processisng-documentation-jude	Custom password	Yes

Permissions summary

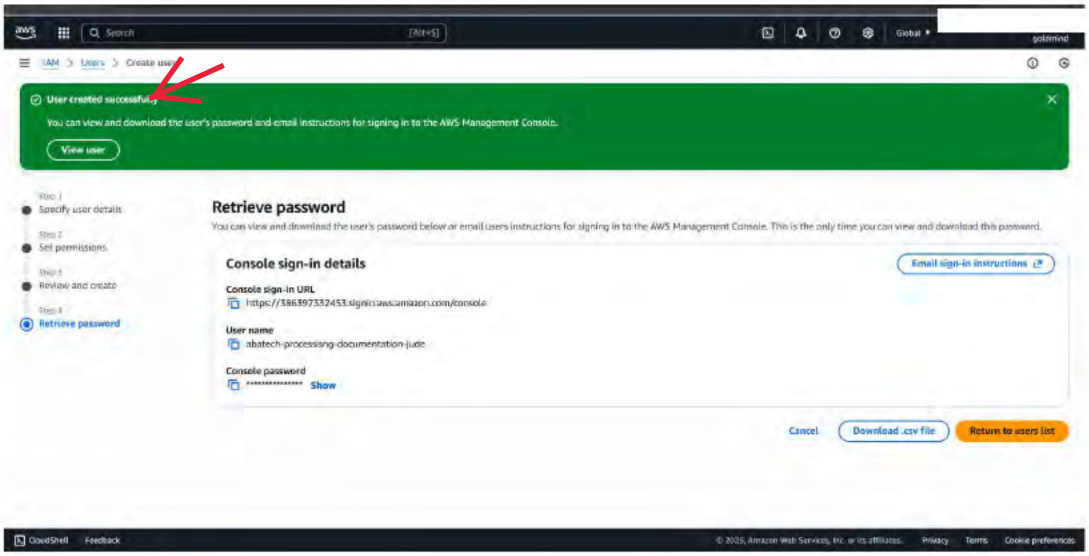
Name	Type	Used as
IAMUserChangePassword	AWS managed	Permissions policy

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

You can add up to 50 more tags.



User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

Retrieve password

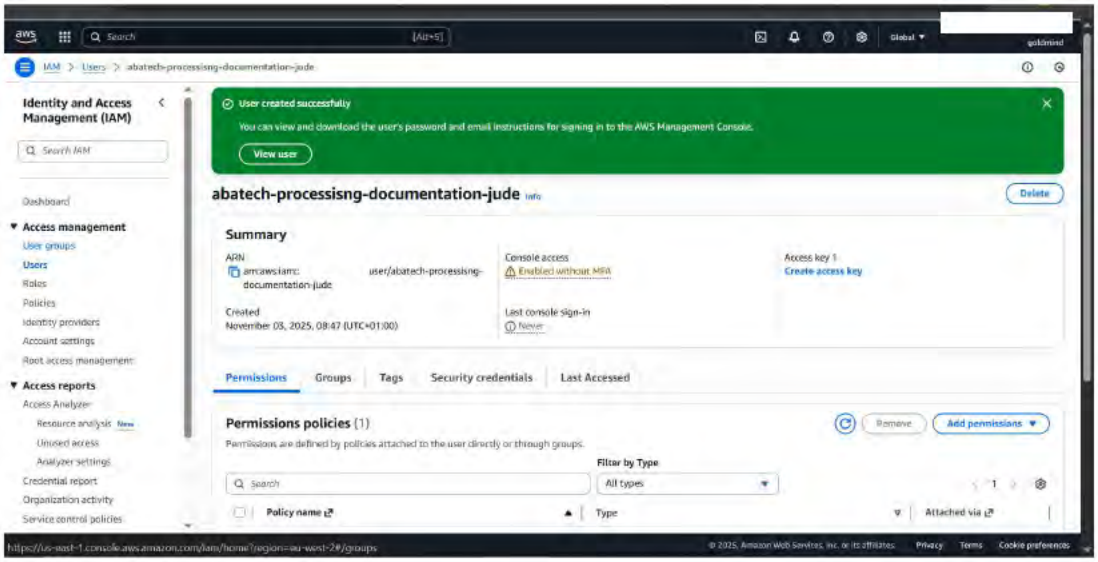
You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.

Console sign-in details

Console sign-in URL
https://386397332453.signin.aws.amazon.com/console

User name
abatech-processisng-documentation-jude

Console password
****



User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

abatech-processisng-documentation-jude

Summary

ARN
arn:aws:iam: user/abatech-processisng-documentation-jude

Console access
Enabled without MFA

Access key 1

Created
November 03, 2025, 08:47 (UTC+01:00)

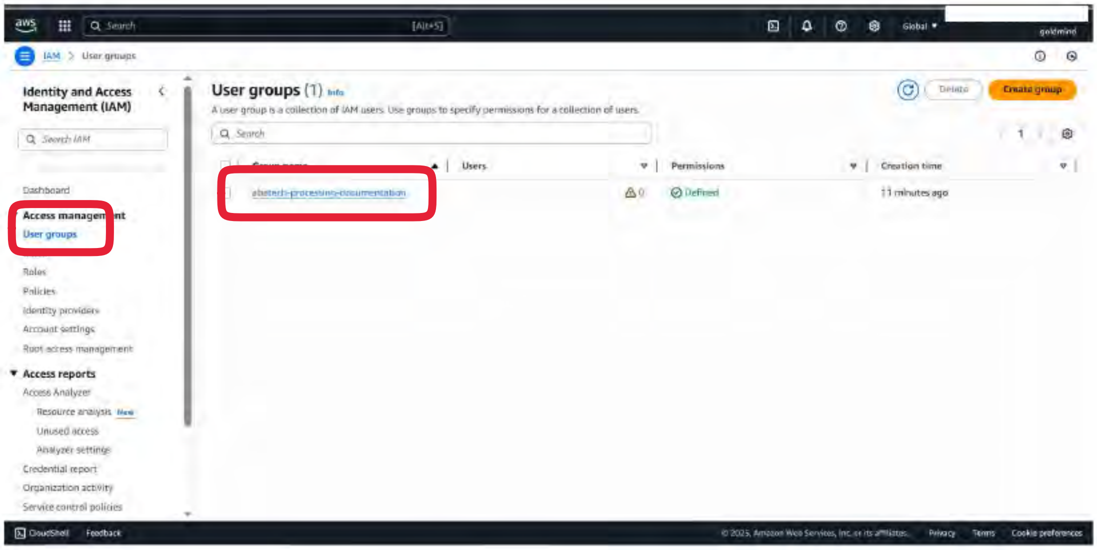
Last console sign-in
Never

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type
All types

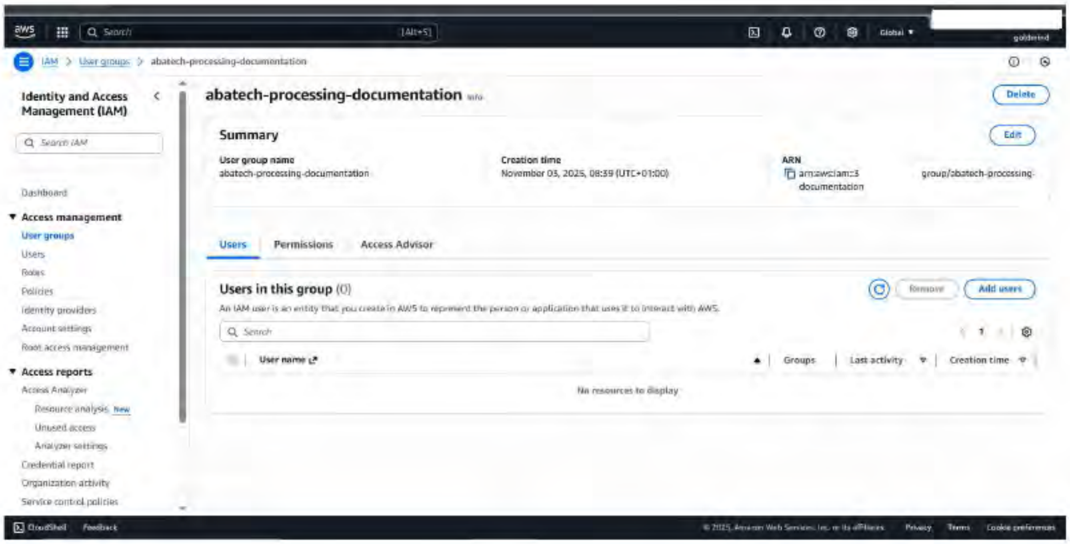
ADDING THE USER TO A GROUP



User groups (1)

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

□	Group name ▲	Users	Permissions	Creation time
□	abatech-processing-documentation	⚠ 0	✓ Defined	11 minutes ago



abatech-processing-documentation

Summary

User group name: abatech-processing-documentation

Creation time: November 03, 2025, 08:39 (UTC+01:00)

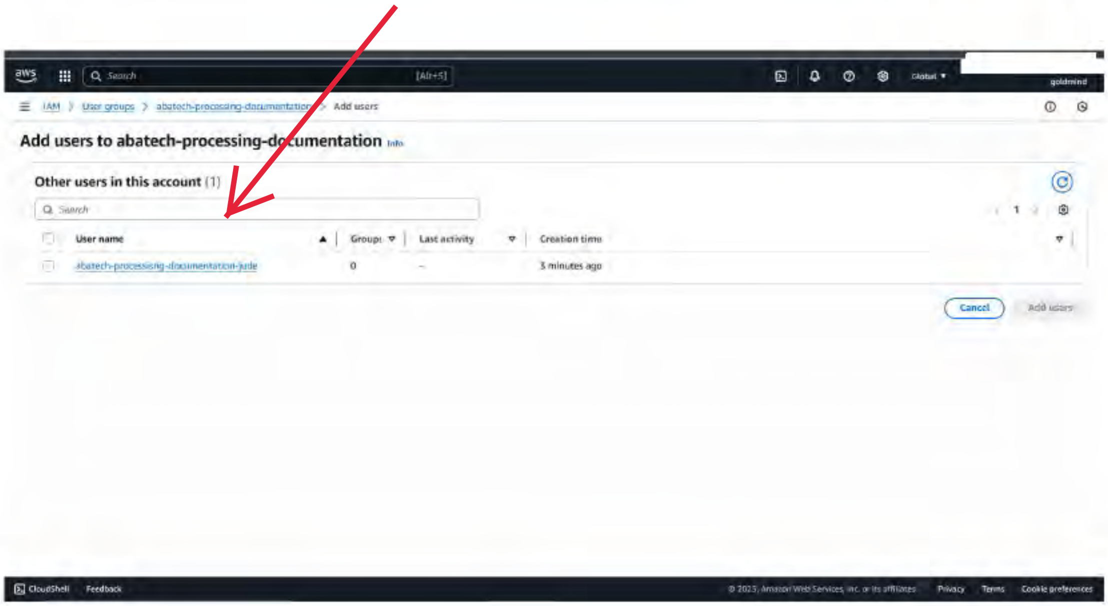
ARN: arn:aws:iam::3 [redacted] group/abatech-processing-documentation

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

□	User name ▲	Groups	Last activity	Creation time

No resources to display

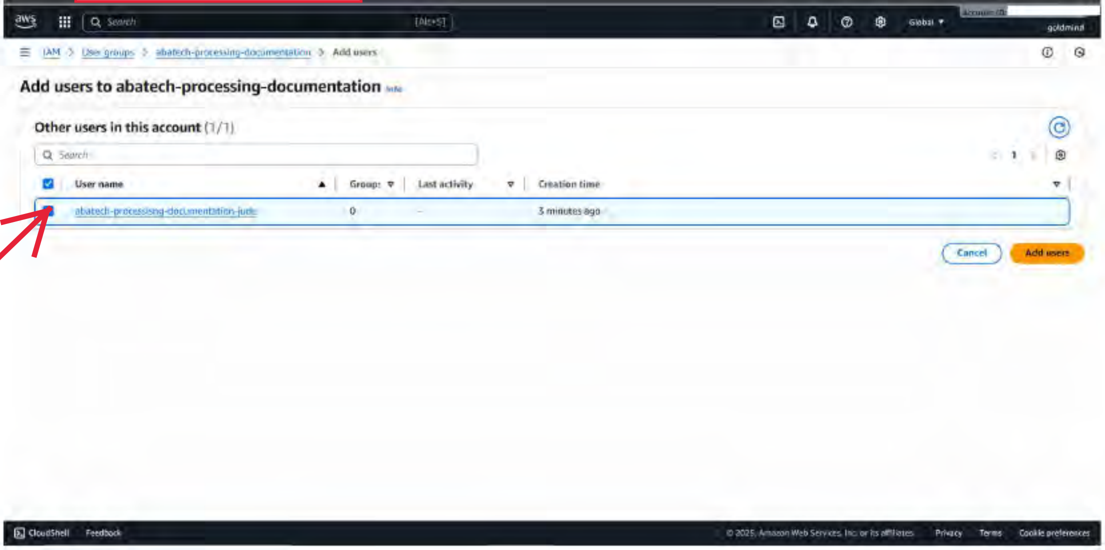

Search
[Alt+S]
Global ▾
goldmind
IAM > User groups > abatech-processing-documentation > Add users
Info
Cancel
Add users
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

Add users to abatech-processing-documentation

Other users in this account (1)

□	User name ▲	Groups	Last activity	Creation time
□	abatech-processing-documentation-jude	0	-	3 minutes ago

ADD abatech processing-documentation - jude to the group



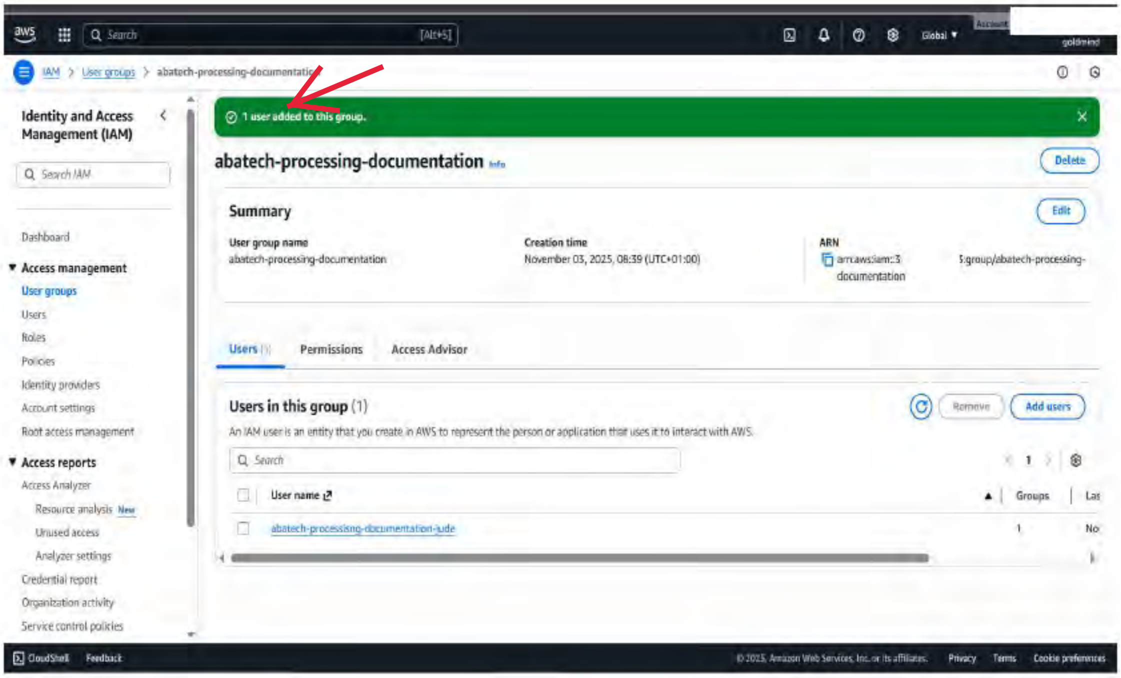
IAM > User groups > abatech-processing-documentation > Add users

Add users to abatech-processing-documentation Info

Other users in this account (1/1)

Search

☑	User name ▲	Groups ▾	Last activity ▾	Creation time ▾
☑	abatech-processisng-documentation-jude	0	–	3 minutes ago



IAM > User groups > abatech-processing-documentatio

1 user added to this group.

abatech-processing-documentation Info

Summary

User group name	Creation time	ARN
abatech-processing-documentation	November 03, 2025, 08:39 (UTC+01:00)	arn:aws:iam::3 5:group/abatech-processing-documentation

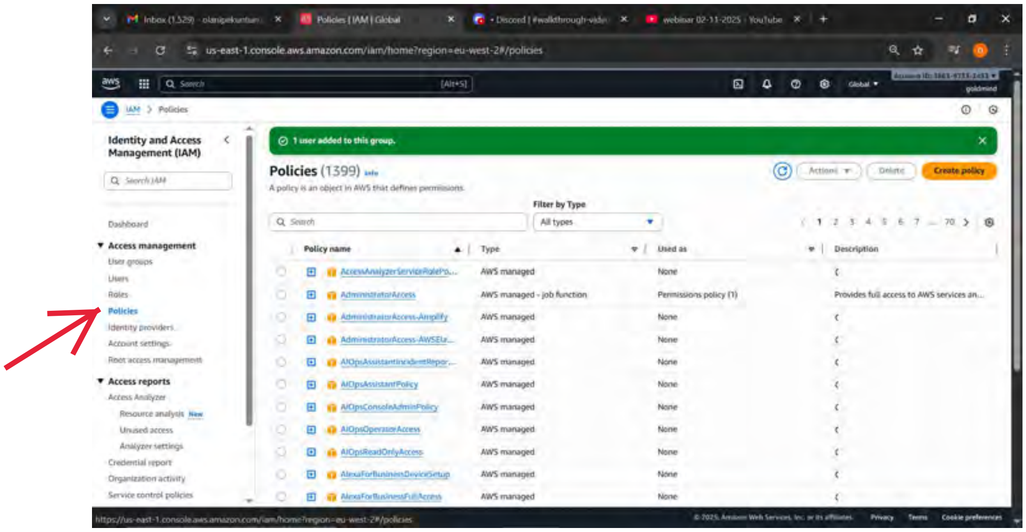
Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

□	User name ▲	Groups	Las
□	abatech-processisng-documentation-jude	1	No

CREATING POLICIES



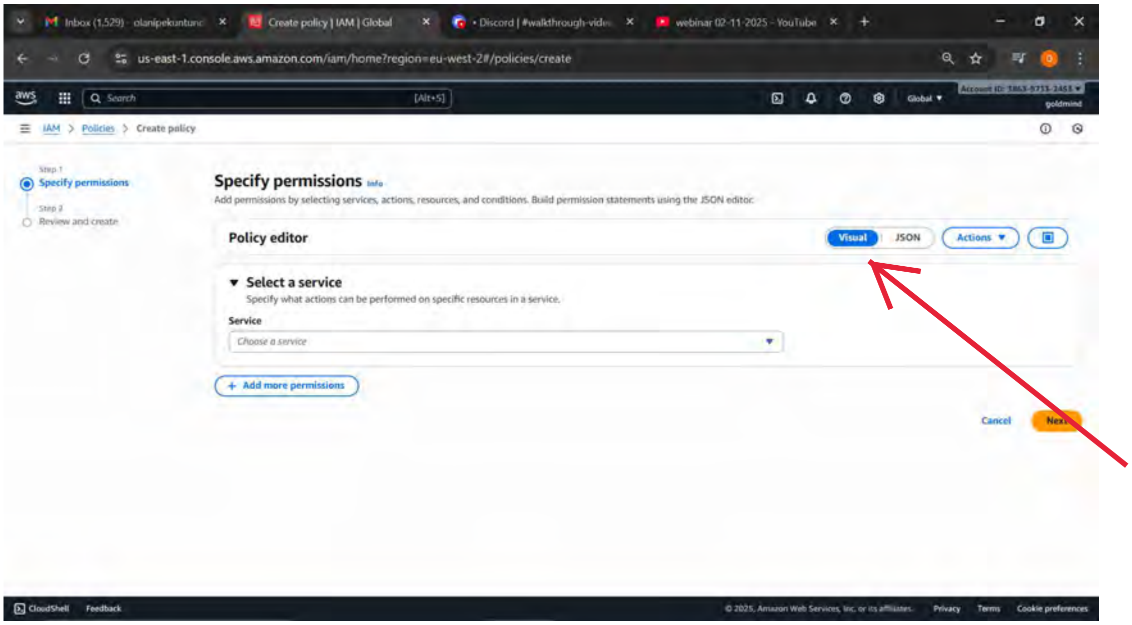
1 user added to this group.

Policies (1399) Info

A policy is an object in AWS that defines permissions.

Policy name	Type	Used as	Description
AccessAnalyzerServiceRolePo...	AWS managed	None	{
AdministratorAccess	AWS managed - job function	Permissions policy (1)	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	None	{
AdministratorAccess-AWSEla...	AWS managed	None	{
AIOpsAssistantIncidentRepor...	AWS managed	None	{
AIOpsAssistantPolicy	AWS managed	None	{
AIOpsConsoleAdminPolicy	AWS managed	None	{
AIOpsOperatorAccess	AWS managed	None	{
AIOpsReadOnlyAccess	AWS managed	None	{
AlexaForBusinessDeviceSetup	AWS managed	None	{
AlexaForBusinessFullAccess	AWS managed	None	{

Click on policies


Inbox (1,529) - olanipekuntun
Create policy | IAM | Global
• Discord | #walkthrough-vide
webinar 02-11-2025 - YouTube
us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create
IAM > Policies > Create policy
Step 1
Specify permissions
Step 2
Review and create
Visual
JSON
Actions
Choose a service
Add more permissions
Cancel
Next
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

Specify permissions Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

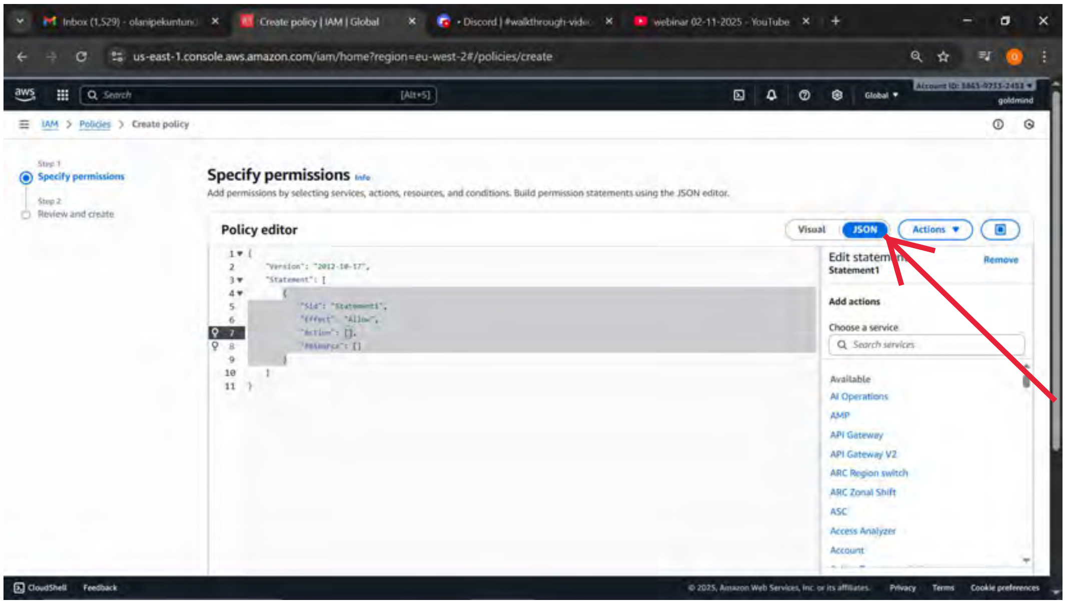
Policy editor

Select a service

Specify what actions can be performed on specific resources in a service.

Service

this is the visual icon if you want to click through or choose a policy


Inbox (1,529) - olanipekuntun
Create policy | IAM | Global
• Discord | #walkthrough-vide
webinar 02-11-2025 - YouTube
us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create
IAM > Policies > Create policy
Step 1
Specify permissions
Step 2
Review and create
Visual
JSON
Actions
Remove
Search services
Available
AI Operations
AMP
API Gateway
API Gateway V2
ARC Region switch
ARC Zonal Shift
ASC
Access Analyzer
Account
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Specify permissions Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Policy editor

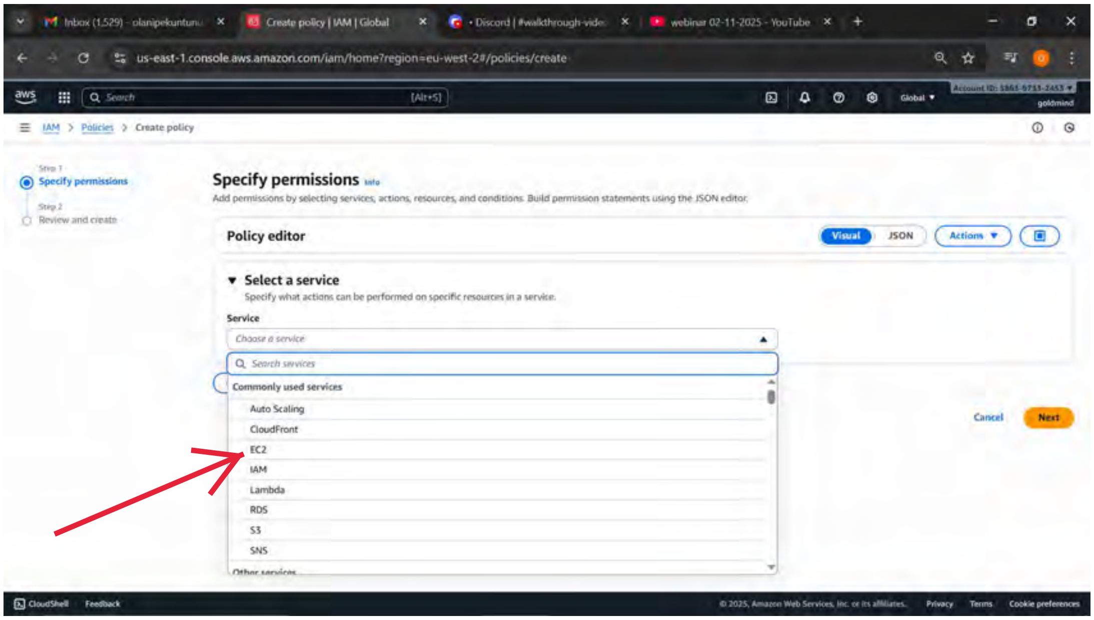
```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Sid": "Statement1",
            "Effect": "Allow",
            "Action": [],
            "Resource": []
        }
    ]
}
```

Edit statement
Statement1

Add actions

Choose a service

if you want to add a json script you can click the json portion and add the script



us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create

IAM > Policies > Create policy

Step 1
● Specify permissions

Step 2
○ Review and create

Specify permissions Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Policy editor

▼ Select a service

Specify what actions can be performed on specific resources in a service.

Service

Choose a service

Search services

Commonly used services
- Auto Scaling
- CloudFront
- EC2
- IAM
- Lambda
- RDS
- S3
- SNS

Other services

Inbox (1,529) - olanipekuntuni
Create policy | IAM | Global
• Discord | #walkthrough-video
webinar 02-11-2025 - YouTube
aws
Search
[Alt+S]
Global ▼
goldmind
Visual
JSON
Actions ▼
Cancel
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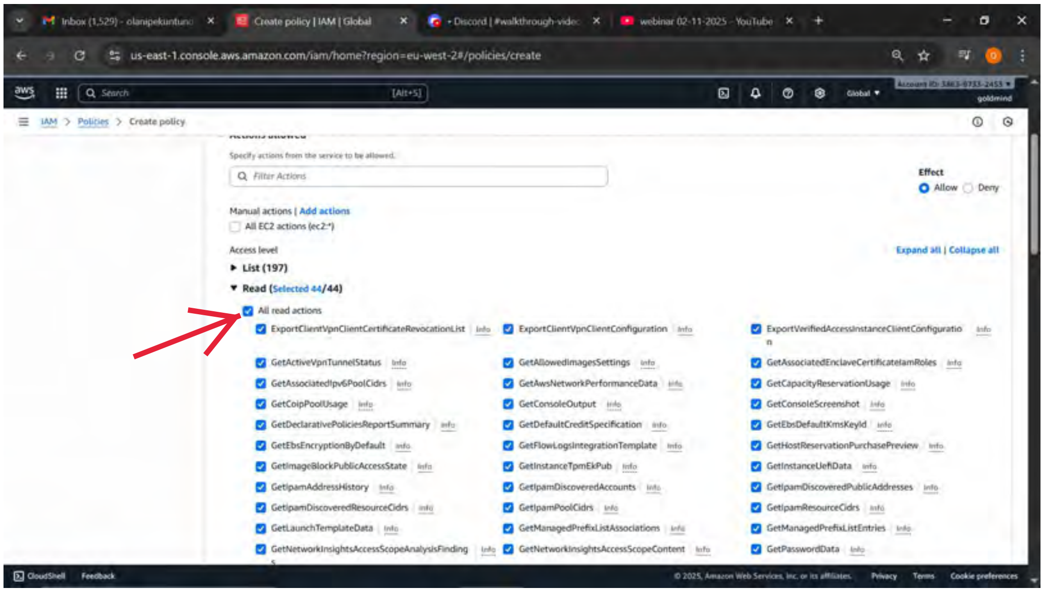
Then select the service from the drop down you wish to add a policy - in this case 'EC2'



us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create

IAM > Policies > Create policy

Specify actions from the service to be allowed.

Filter Actions

Effect
● Allow ○ Deny

Manual actions | Add actions

□ All EC2 actions (ec2:*)

Access level

▶ List (197)

▼ Read (Selected 44/44)

☑ All read actions

☑ ExportClientVpnClientCertificateRevocationList
☑ ExportClientVpnClientConfiguration
☑ ExportVerifiedAccessInstanceClientConfiguration
☑ GetActiveVpnTunnelStatus
☑ GetAllowedImagesSettings
☑ GetAssociatedEnclaveCertificateIamRoles
☑ GetAssociatedIpv6PoolCidrs
☑ GetAwsNetworkPerformanceData
☑ GetCapacityReservationUsage
☑ GetCoipPoolUsage
☑ GetConsoleOutput
☑ GetConsoleScreenshot
☑ GetDeclarativePoliciesReportSummary
☑ GetDefaultCreditSpecification
☑ GetEbsDefaultKmsKeyId
☑ GetEbsEncryptionByDefault
☑ GetFlowLogsIntegrationTemplate
☑ GetHostReservationPurchasePreview
☑ GetImageBlockPublicAccessState
☑ GetInstanceTpmEkPub
☑ GetInstanceUefiData
☑ GetIpamAddressHistory
☑ GetIpamDiscoveredAccounts
☑ GetIpamDiscoveredPublicAddresses
☑ GetIpamDiscoveredResourceCidrs
☑ GetIpamPoolCidrs
☑ GetIpamResourceCidrs
☑ GetLaunchTemplateData
☑ GetManagedPrefixListAssociations
☑ GetManagedPrefixListEntries
☑ GetNetworkInsightsAccessScopeAnalysisFindings
☑ GetNetworkInsightsAccessScopeContent
☑ GetPasswordData

Expand all | Collapse all
Info
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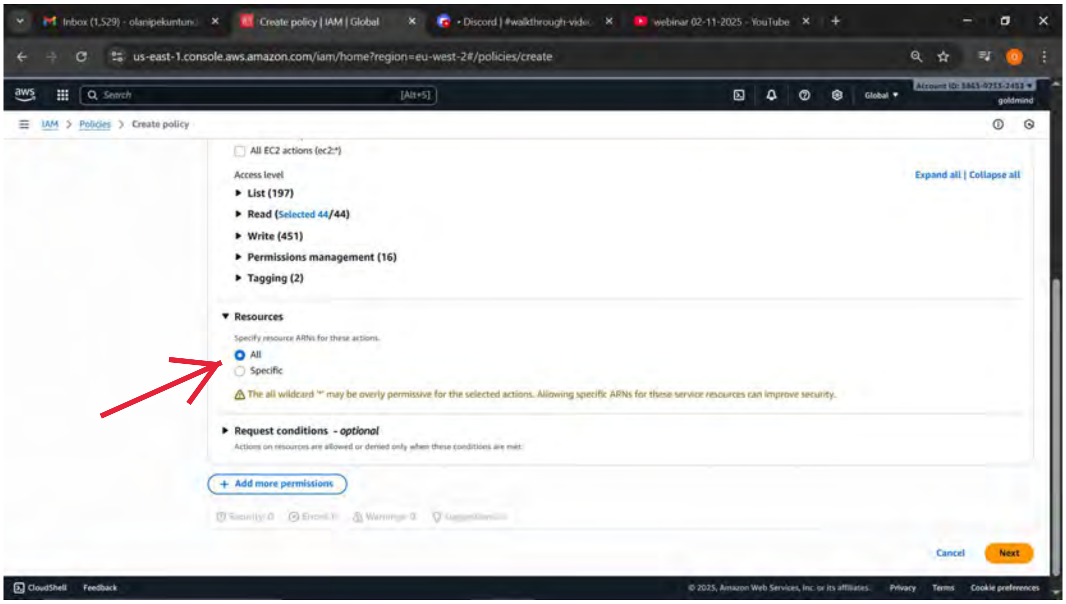
add the policies



us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create

IAM > Policies > Create policy

□ All EC2 actions (ec2:*)

Access level

▶ List (197)

▶ Read (Selected 44/44)

▶ Write (451)

▶ Permissions management (16)

▶ Tagging (2)

▼ Resources

Specify resource ARNs for these actions.

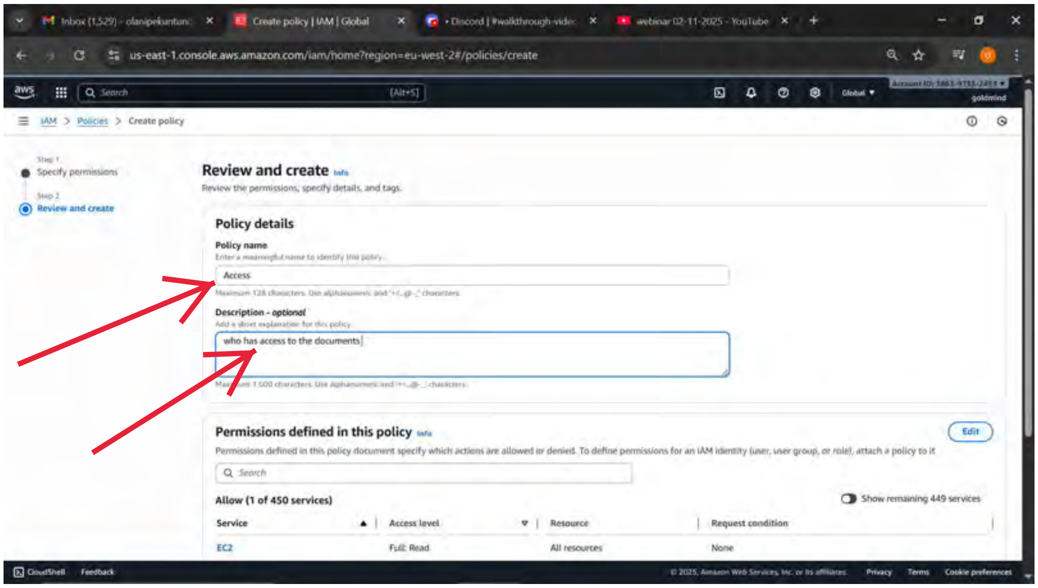
● All

○ Specific

⚠ The all wildcard '*' may be overly permissive for the selected actions. Allowing specific ARNs for these service resources can improve security.

▶ Request conditions *- optional*

Actions on resources are allowed or denied only when these conditions are met.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us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create
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IAM > Policies > Create policy
Step 1
Specify permissions
Step 2
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Review and create

Review the permissions, specify details, and tags.

Policy details

Policy name

Enter a meaningful name to identify this policy.

Access

Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.

Description - *optional*

Add a short explanation for this policy.

who has access to the documents

Maximum 1,000 characters. Use alphanumeric and '+=,.@-_' characters.

Permissions defined in this policy

Edit

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

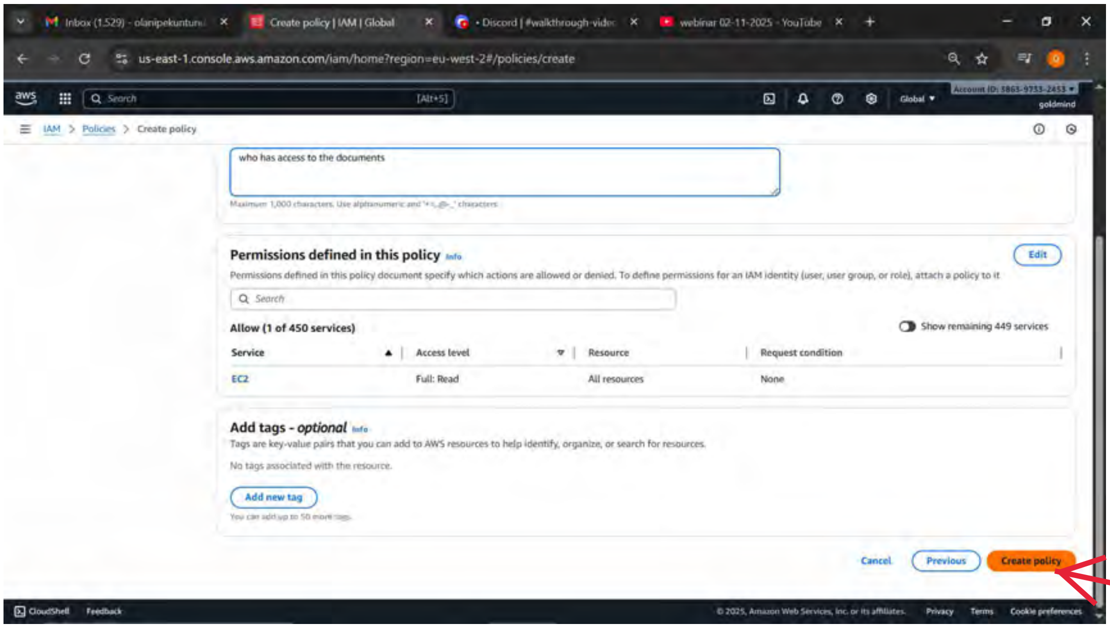
Search

Allow (1 of 450 services)

Show remaining 449 services

Service	Access level	Resource	Request condition
EC2	Full: Read	All resources	None

give your policy a name and description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us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/create
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who has access to the documents

Maximum 1,000 characters. Use alphanumeric and '+=,.@-_' characters.

Permissions defined in this policy

Edit

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

Search

Allow (1 of 450 services)

Show remaining 449 services

Service	Access level	Resource	Request condition
EC2	Full: Read	All resources	None

Add tags - *optional*

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

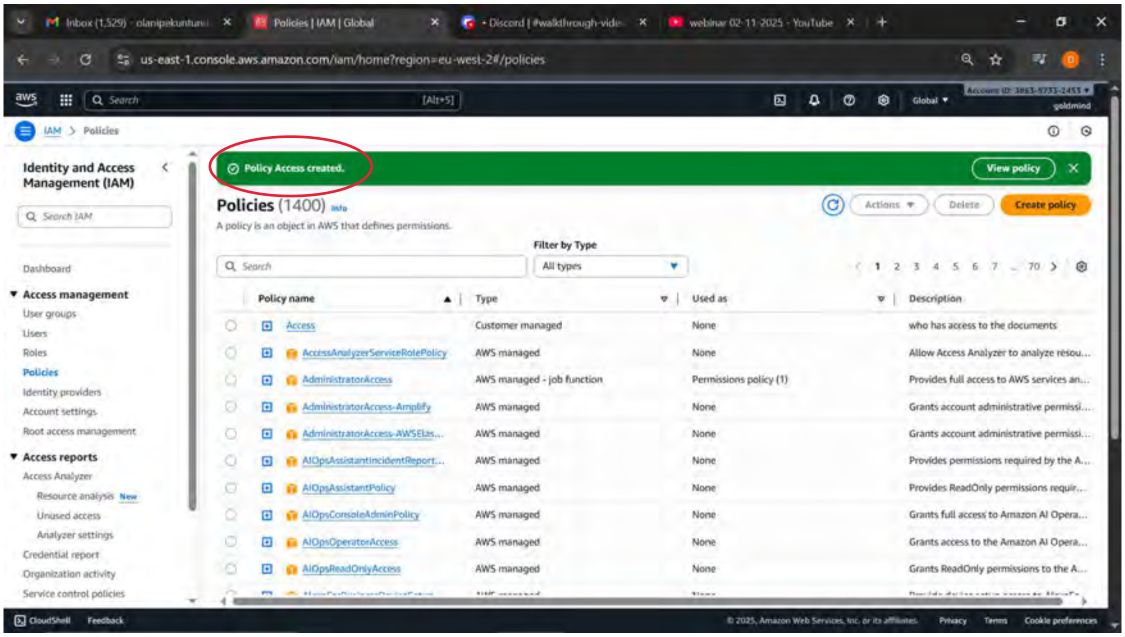
No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel · Previous · Create policy

click create policy



Policy Access created.

View policy

Policies (1400)

Actions · Delete · Create policy

A policy is an object in AWS that defines permissions.

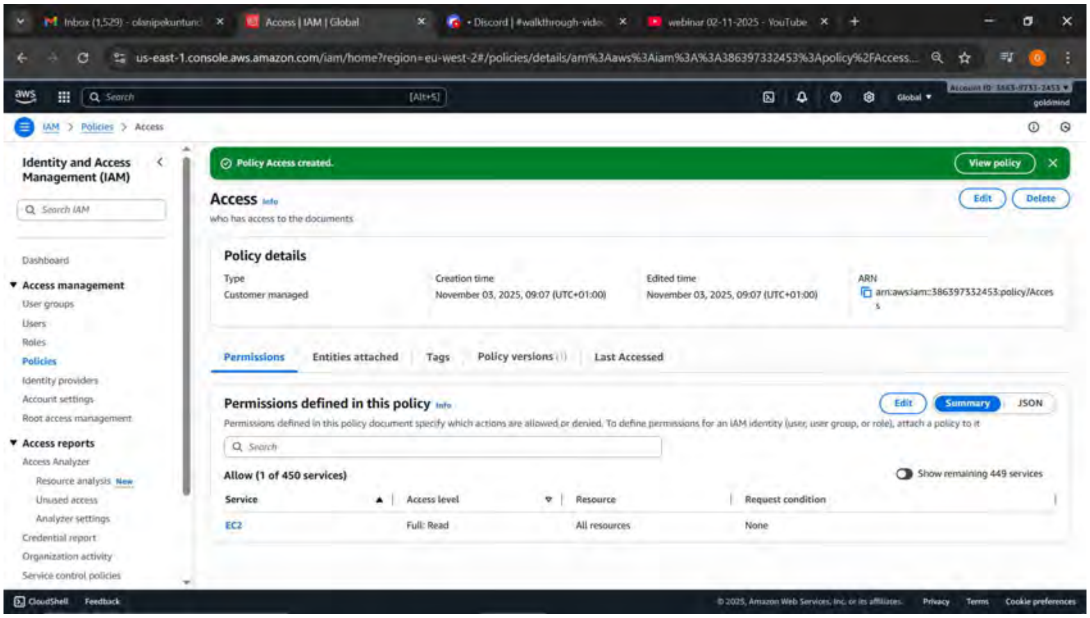
Filter by Type: All types

Search

1 2 3 4 5 6 7 ... 70

Policy name	Type	Used as	Description
Access	Customer managed	None	who has access to the documents
AccessAnalyzerServiceRolePolicy	AWS managed	None	Allow Access Analyzer to analyze resou...
AdministratorAccess	AWS managed - job function	Permissions policy (1)	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permissi...
AdministratorAccess-AWSElas...	AWS managed	None	Grants account administrative permissi...
AIOpsAssistantIncidentReport...	AWS managed	None	Provides permissions required by the A...
AIOpsAssistantPolicy	AWS managed	None	Provides ReadOnly permissions requir...
AIOpsConsoleAdminPolicy	AWS managed	None	Grants full access to Amazon AI Opera...
AIOpsOperatorAccess	AWS managed	None	Grants access to the Amazon AI Opera...
AIOpsReadOnlyAccess	AWS managed	None	Grants ReadOnly permissions to the A...

policy now created



Policy Access created.

Access Info

who has access to the documents

Policy details

Type	Creation time	Edited time	ARN
Customer managed	November 03, 2025, 09:07 (UTC+01:00)	November 03, 2025, 09:07 (UTC+01:00)	arn:aws:iam::386397332453:policy/Access

Permissions | Entities attached | Tags | Policy versions (1) | Last Accessed

Permissions defined in this policy Info

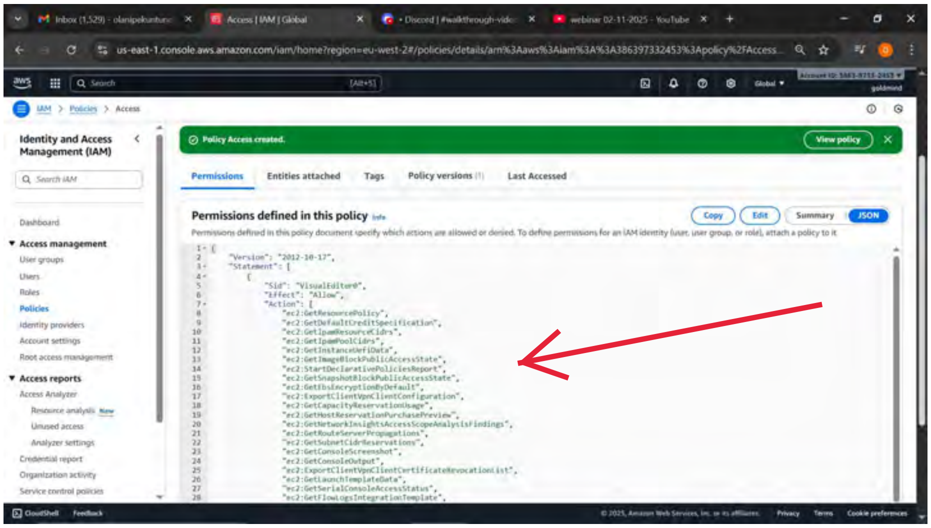
Edit | Summary | JSON

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it.

Allow (1 of 450 services) — Show remaining 449 services

Service	Access level	Resource	Request condition
EC2	Full: Read	All resources	None

go back to policy by the left hand side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Access | IAM | Global
• Discord | #walkthrough-vide
webinar 02-11-2025 - YouTube
us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/details/arn%3Aaws%3Aiam%3A%3A386397332453%3Apolicy%2FAccess...
IAM > Policies > Access
Identity and Access Management (IAM)
View policy
Copy
Edit
Summary
JSON
CloudShell
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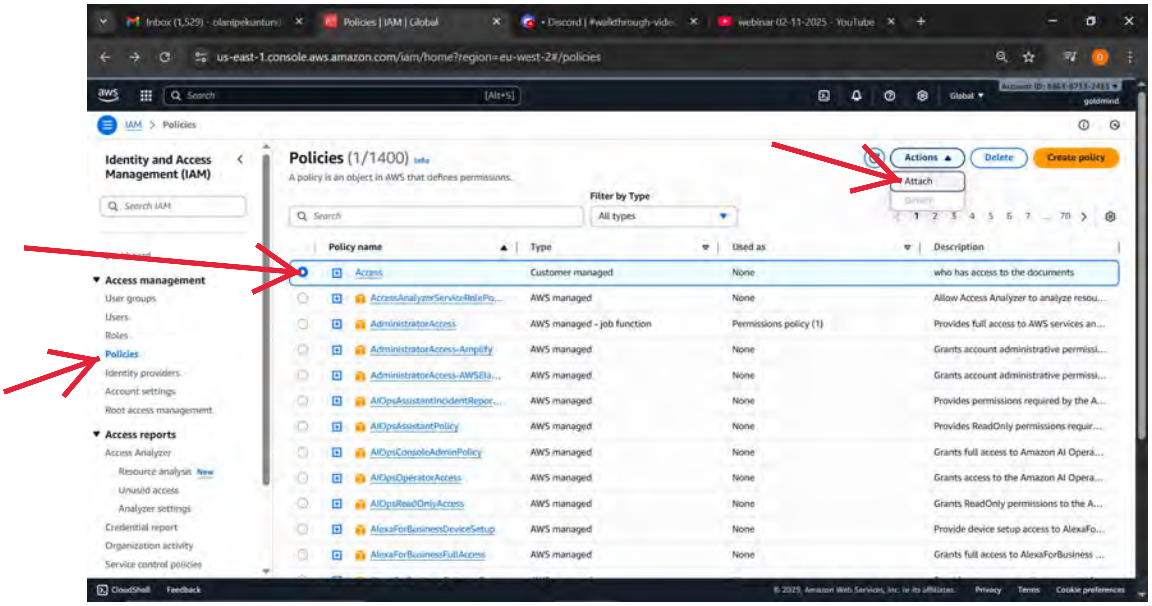
Policy Access created.

Permissions | Entities attached | Tags | Policy versions (1) | Last Accessed

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Sid": "VisualEditor0",
            "Effect": "Allow",
            "Action": [
                "ec2:GetResourcePolicy",
                "ec2:GetDefaultCreditSpecification",
                "ec2:GetIpamResourceCidrs",
                "ec2:GetIpamPoolCidrs",
                "ec2:GetInstanceUefiData",
                "ec2:GetImageBlockPublicAccessState",
                "ec2:StartDeclarativePoliciesReport",
                "ec2:GetSnapshotBlockPublicAccessState",
                "ec2:GetEbsEncryptionByDefault",
                "ec2:ExportClientVpnClientConfiguration",
                "ec2:GetCapacityReservationUsage",
                "ec2:GetHostReservationPurchasePreview",
                "ec2:GetNetworkInsightsAccessScopeAnalysisFindings",
                "ec2:GetRouteServerPropagations",
                "ec2:GetSubnetCidrReservations",
                "ec2:GetConsoleScreenshot",
                "ec2:GetConsoleOutput",
                "ec2:ExportClientVpnClientCertificateRevocationList",
                "ec2:GetLaunchTemplateData",
                "ec2:GetSerialConsoleAccessStatus",
                "ec2:GetFlowLogsIntegrationTemplate",
```



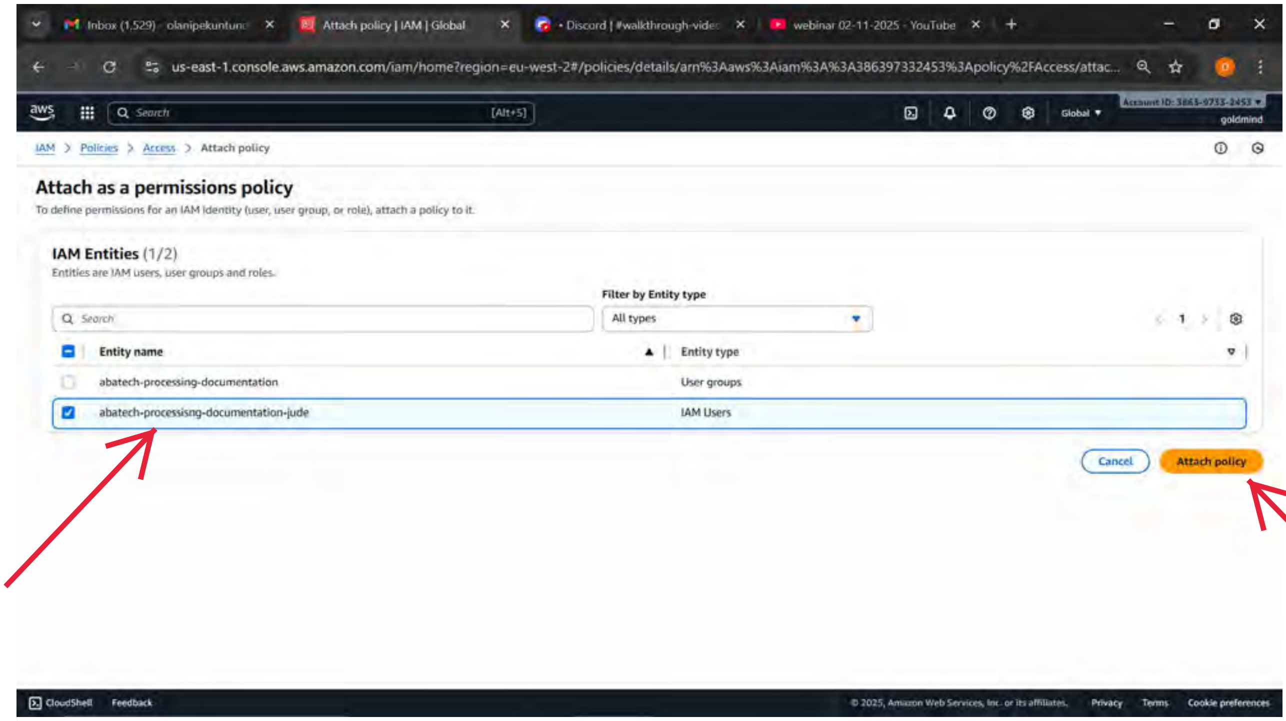
Policies (1/1400) Info

A policy is an object in AWS that defines permissions.

	Policy name	Type	Used as	Description
●	Access	Customer managed	None	who has access to the documents
○	AccessAnalyzerServiceRolePo...	AWS managed	None	Allow Access Analyzer to analyze resou...
○	AdministratorAccess	AWS managed - job function	Permissions policy (1)	Provides full access to AWS services an...
○	AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permissi...
○	AdministratorAccess-AWSEla...	AWS managed	None	Grants account administrative permissi...
○	AIOpsAssistantIncidentRepor...	AWS managed	None	Provides permissions required by the A...
○	AIOpsAssistantPolicy	AWS managed	None	Provides ReadOnly permissions requir...
○	AIOpsConsoleAdminPolicy	AWS managed	None	Grants full access to Amazon AI Opera...
○	AIOpsOperatorAccess	AWS managed	None	Grants access to the Amazon AI Opera...
○	AIOpsReadOnlyAccess	AWS managed	None	Grants ReadOnly permissions to the A...
○	AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaFo...
○	AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...

Now to assign a policy to either a user or group, select the policy you created

click the action drop down and select attach



us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies/details/arn%3Aaws%3Aiam%3A%3A386397332453%3Apolicy%2FAccess/attac...

IAM > Policies > Access > Attach policy

Attach as a permissions policy

To define permissions for an IAM identity (user, user group, or role), attach a policy to it.

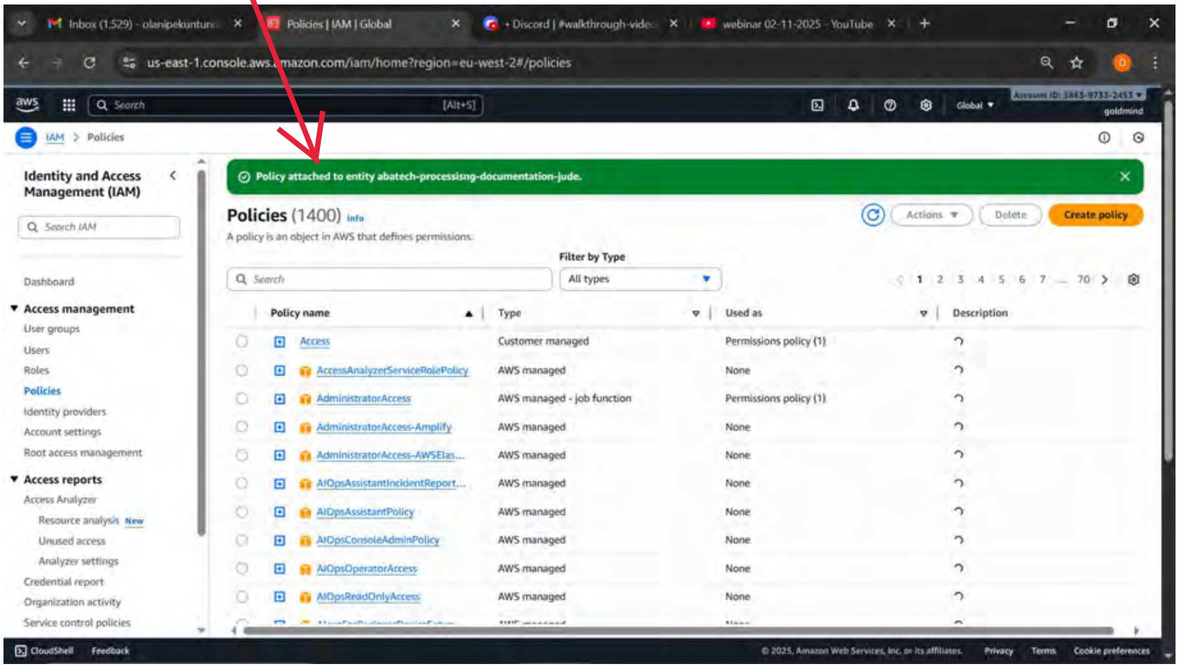
IAM Entities (1/2)

Entities are IAM users, user groups and roles.

Filter by Entity type: All types

	Entity name	Entity type
☐	abatech-processing-documentation	User groups
☑	abatech-processisng-documentation-jude	IAM Users

now select either a user or a group as you wish ... in this case i am selecting a user



us-east-1.console.aws.amazon.com/iam/home?region=eu-west-2#/policies

IAM > Policies

Policy attached to entity abatech-processisng-documentation-jude.

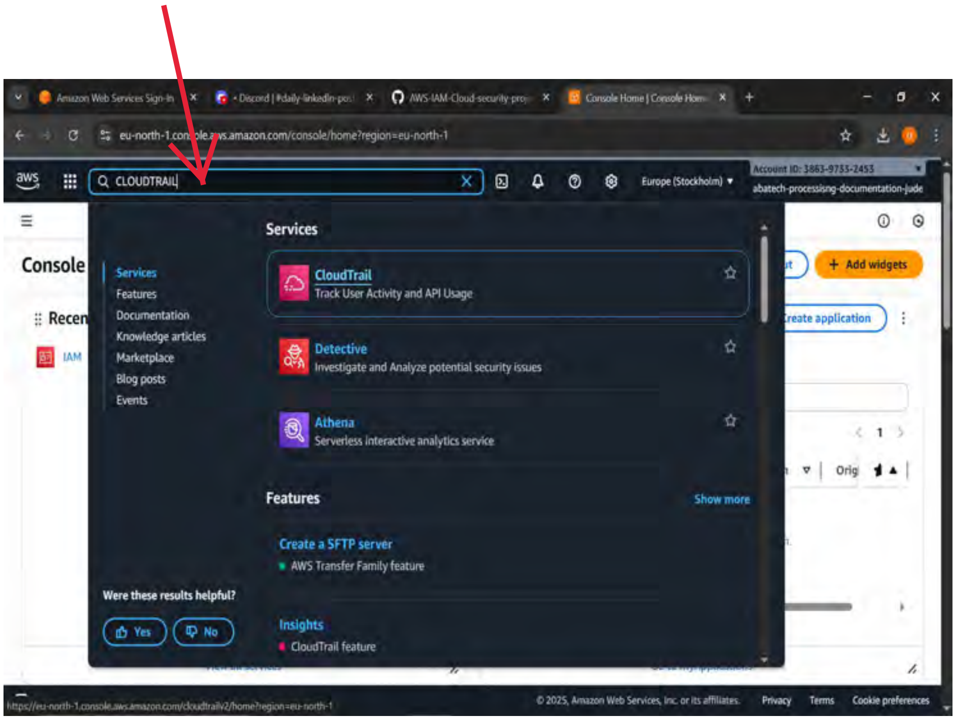
Policies (1400)

A policy is an object in AWS that defines permissions.

Filter by Type: All types

	Policy name	Type	Used as	Description
○	Access	Customer managed	Permissions policy (1)	
○	AccessAnalyzerServiceRolePolicy	AWS managed	None	
○	AdministratorAccess	AWS managed - job function	Permissions policy (1)	
○	AdministratorAccess-Amplify	AWS managed	None	
○	AdministratorAccess-AWSElas...	AWS managed	None	
○	AIOpsAssistantIncidentReport...	AWS managed	None	
○	AIOpsAssistantPolicy	AWS managed	None	
○	AIOpsConsoleAdminPolicy	AWS managed	None	
○	AIOpsOperatorAccess	AWS managed	None	
○	AIOpsReadOnlyAccess	AWS managed	None	

policy now attached to this user



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AWS-IAM-Cloud-security-proj
Console Home | Console Home
eu-north-1.console.aws.amazon.com/console/home?region=eu-north-1
CLOUDTRAIL
Europe (Stockholm)
Account ID: 3863-9733-2453
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Console
Recen
IAM
Services
Features
Documentation
Knowledge articles
Marketplace
Blog posts
Events
Services
CloudTrail
Track User Activity and API Usage
Detective
Investigate and Analyze potential security issues
Athena
Serverless interactive analytics service
Features
Show more
Create a SFTP server
AWS Transfer Family feature
Insights
CloudTrail feature
Were these results helpful?
Yes
No
+ Add widgets
reate application
https://eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1
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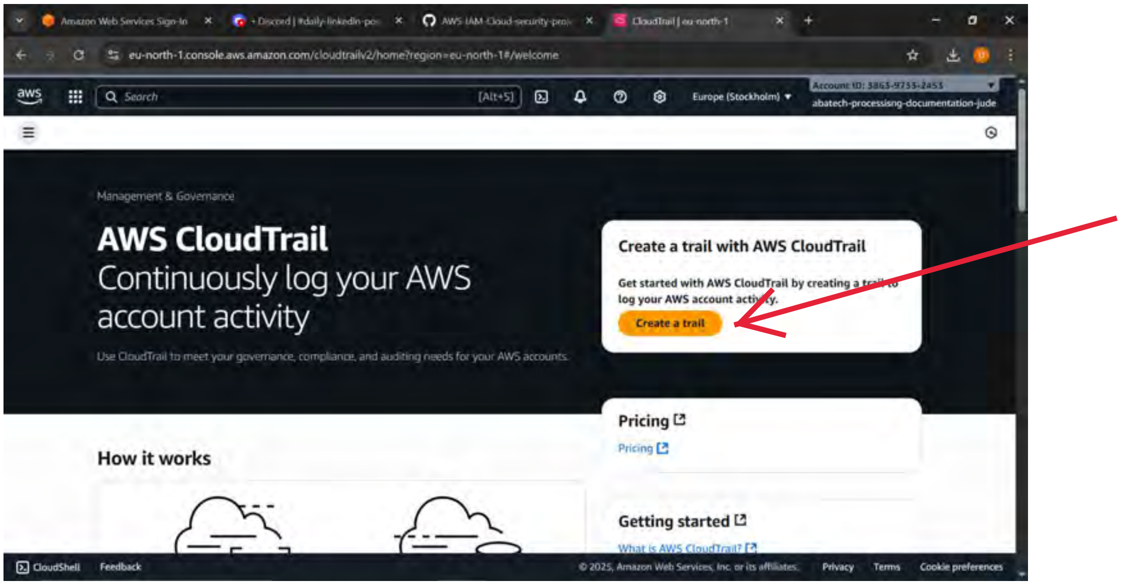

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CloudTrail | eu-north-1
eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/welcome
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Management & Governance

AWS CloudTrail
Continuously log your AWS account activity

Use CloudTrail to meet your governance, compliance, and auditing needs for your AWS accounts.

Create a trail with AWS CloudTrail

Get started with AWS CloudTrail by creating a trail to log your AWS account activity.

Create a trail
Pricing
Pricing
How it works
Getting started
What is AWS CloudTrail?
CloudShell
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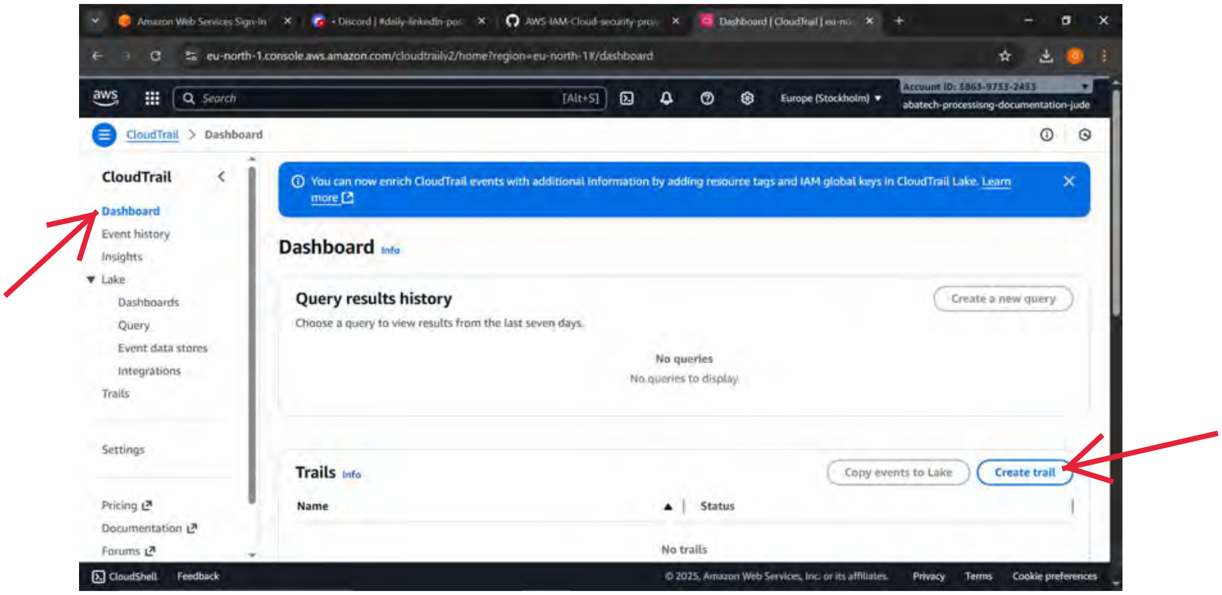

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Dashboard | CloudTrail | eu-no
eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/dashboard
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CloudTrail
Dashboard
Event history
Insights
Lake
Dashboards
Query
Event data stores
Integrations
Trails
Settings
Pricing
Documentation
Forums

You can now enrich CloudTrail events with additional information by adding resource tags and IAM global keys in CloudTrail Lake. Learn more

Dashboard Info

Query results history

Choose a query to view results from the last seven days.

No queries
No queries to display

Trails Info

Name	Status
No trails	

Create a new query
Copy events to Lake
Create trail
CloudShell
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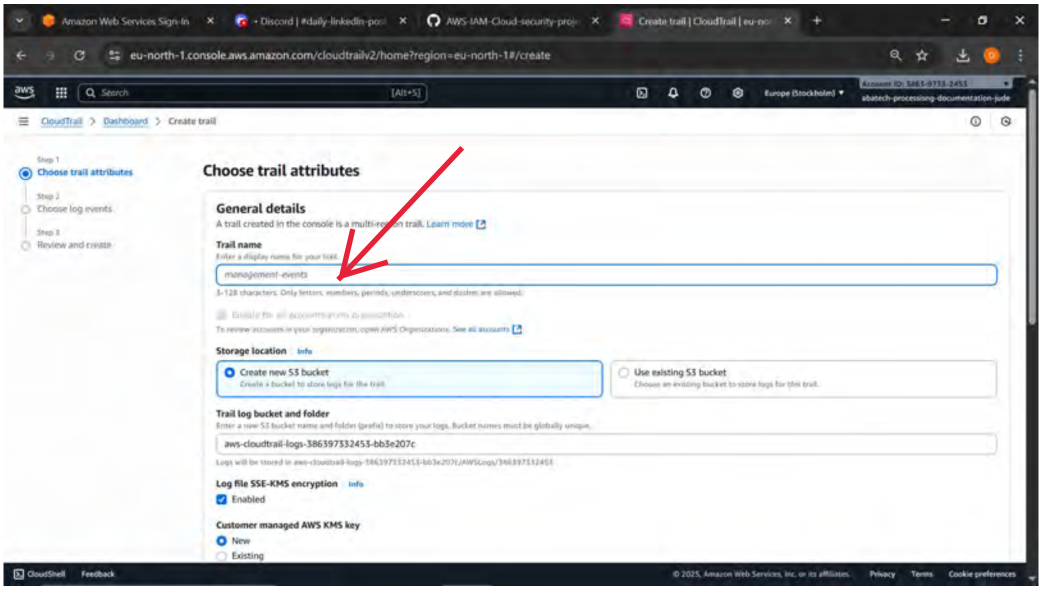

eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create

CloudTrail > Dashboard > Create trail

Step 1 Choose trail attributes
Step 2 Choose log events
Step 3 Review and create

Choose trail attributes

General details

A trail created in the console is a multi-region trail. Learn more

Trail name
Enter a display name for your trail.
management-events
3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

Storage location
● Create new S3 bucket — Create a bucket to store logs for the trail.
○ Use existing S3 bucket — Choose an existing bucket to store logs for this trail.

Trail log bucket and folder
Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.
aws-cloudtrail-logs-386397332453-bb3e207c
Logs will be stored in aws-cloudtrail-logs-386397332453-bb3e207c/AWSLogs/386397332453

Log file SSE-KMS encryption
☑ Enabled

Customer managed AWS KMS key
● New
○ Existing

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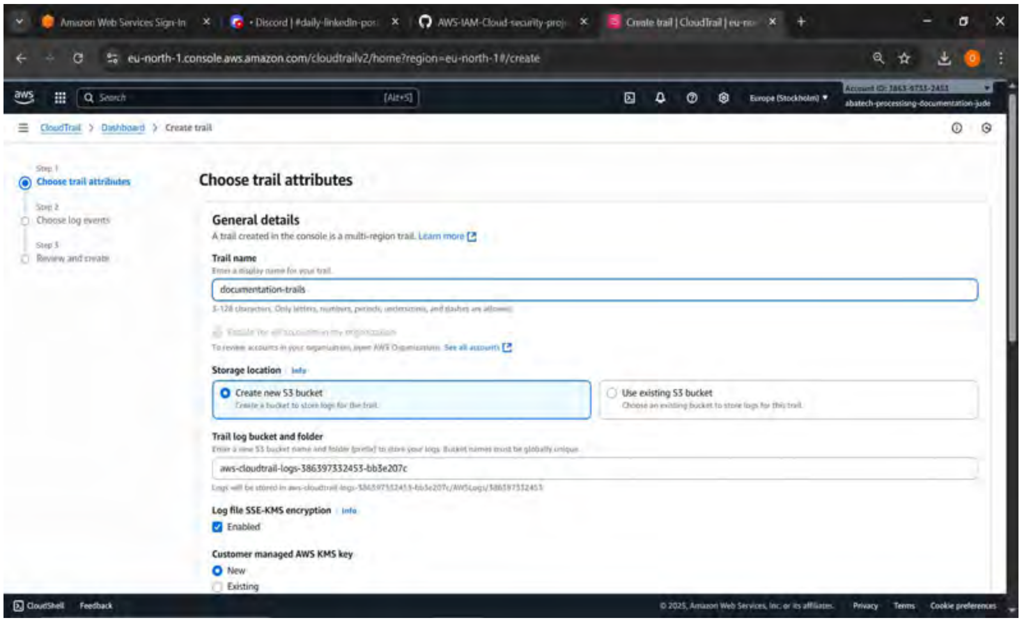

eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create

CloudTrail > Dashboard > Create trail

Step 1 Choose trail attributes
Step 2 Choose log events
Step 3 Review and create

Choose trail attributes

General details

A trail created in the console is a multi-region trail. Learn more

Trail name
Enter a display name for your trail.
documentation-trails
3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

Storage location
● Create new S3 bucket — Create a bucket to store logs for the trail.
○ Use existing S3 bucket — Choose an existing bucket to store logs for this trail.

Trail log bucket and folder
Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.
aws-cloudtrail-logs-386397332453-bb3e207c
Logs will be stored in aws-cloudtrail-logs-386397332453-bb3e207c/AWSLogs/386397332453

Log file SSE-KMS encryption
☑ Enabled

Customer managed AWS KMS key
● New
○ Existing

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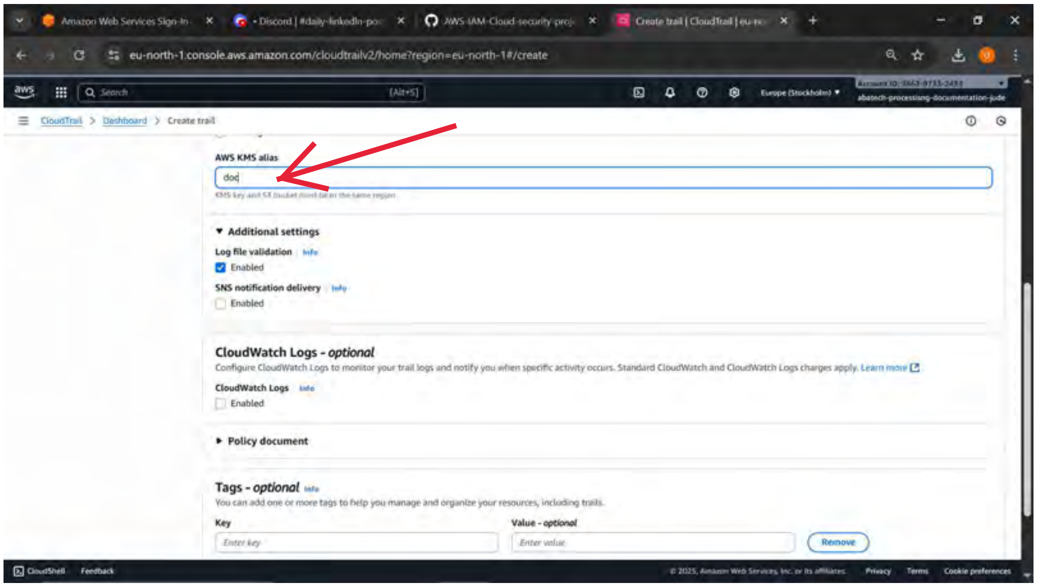

eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create

CloudTrail > Dashboard > Create trail

AWS KMS alias
doc
KMS key and S3 bucket must be in the same region.

▼ Additional settings

Log file validation
☑ Enabled

SNS notification delivery
□ Enabled

CloudWatch Logs - *optional*

Configure CloudWatch Logs to monitor your trail logs and notify you when specific activity occurs. Standard CloudWatch and CloudWatch Logs charges apply. Learn more

CloudWatch Logs
□ Enabled

▶ Policy document

Tags - *optional*

You can add one or more tags to help you manage and organize your resources, including trails.

Key	Value - *optional*
Enter key	Enter value

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Info
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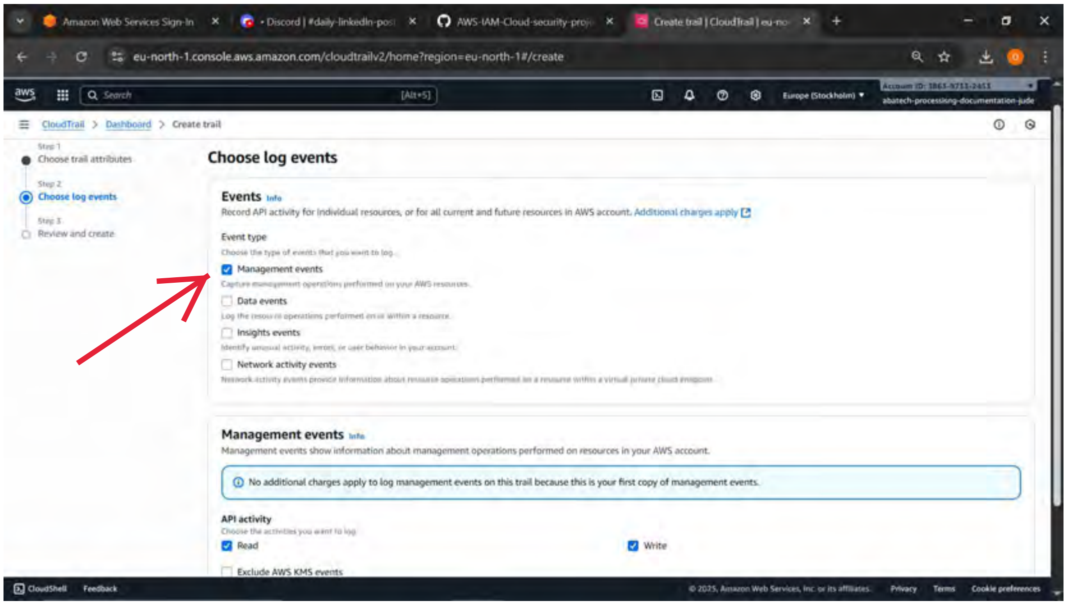
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Choose trail attributes
Step 2
Choose log events
Step 3
Review and create
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Choose log events

Events Info

Record API activity for individual resources, or for all current and future resources in AWS account. Additional charges apply

Event type

Choose the type of events that you want to log.

☑ Management events

Capture management operations performed on your AWS resources.

☐ Data events

Log the resource operations performed on or within a resource.

☐ Insights events

Identify unusual activity, errors, or user behavior in your account.

☐ Network activity events

Network activity events provide information about resource operations performed on a resource within a virtual private cloud endpoint.

Management events Info

Management events show information about management operations performed on resources in your AWS account.

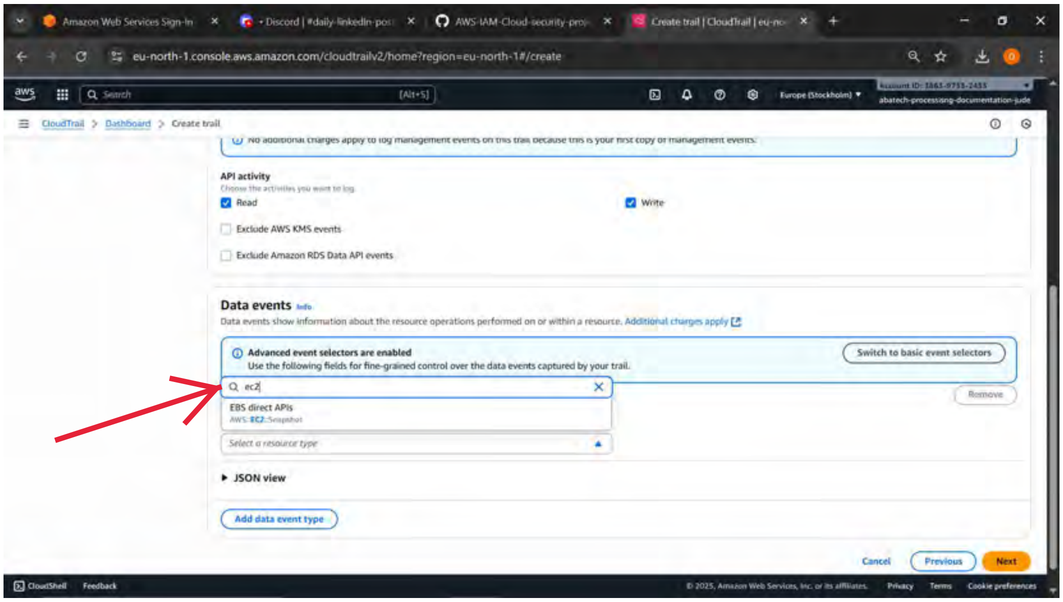
ⓘ No additional charges apply to log management events on this trail because this is your first copy of management events.

API activity

Choose the activities you want to log.

☑ Read ☑ Write

☐ Exclude AWS KMS events


Amazon Web Services Sign-In
• Discord | #daily-linkedin-post
AWS-IAM-Cloud-security-proj
Create trail | CloudTrail | eu-no
eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create
Search
[Alt+S]
Europe (Stockholm) ▾
abatech-processing-documentation-jude
CloudTrail > Dashboard > Create trail
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

ⓘ No additional charges apply to log management events on this trail because this is your first copy of management events.

API activity

Choose the activities you want to log.

☑ Read ☑ Write

☐ Exclude AWS KMS events

☐ Exclude Amazon RDS Data API events

Data events Info

Data events show information about the resource operations performed on or within a resource. Additional charges apply

ⓘ **Advanced event selectors are enabled**
Use the following fields for fine-grained control over the data events captured by your trail.

Switch to basic event selectors

ec2

EBS direct APIs
AWS::EC2::Snapshot

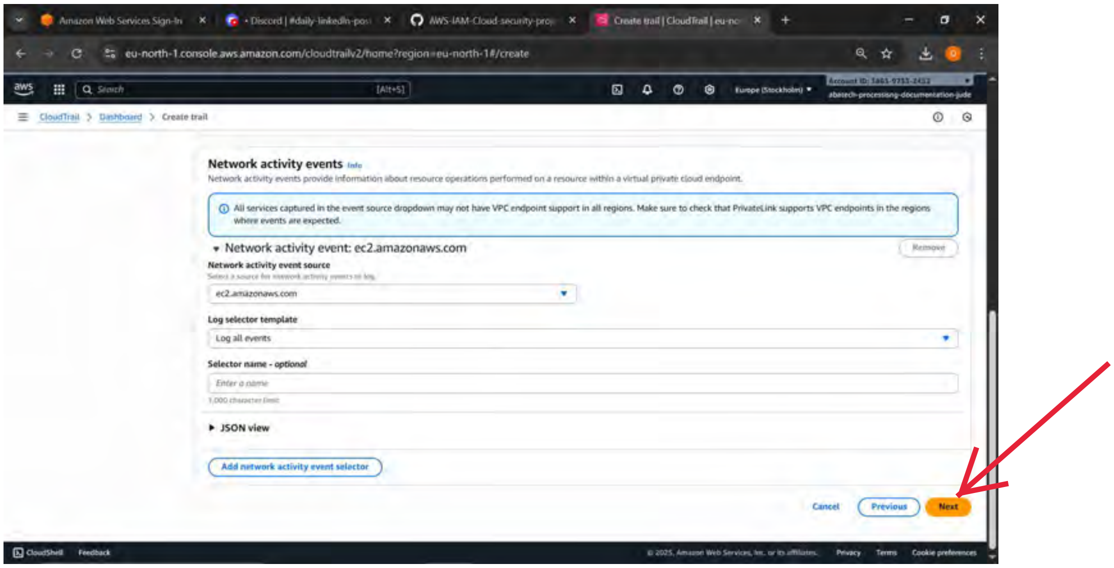
Select a resource type

Remove

▸ JSON view

Add data event type

Cancel Previous Next


Amazon Web Services Sign-In
• Discord | #daily-linkedin-post
AWS-IAM-Cloud-security-proj
Create trail | CloudTrail | eu-no
eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create
Search
[Alt+S]
Europe (Stockholm) ▾
abatech-processing-documentation-jude
CloudTrail > Dashboard > Create trail
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

Network activity events Info

Network activity events provide information about resource operations performed on a resource within a virtual private cloud endpoint.

ⓘ All services captured in the event source dropdown may not have VPC endpoint support in all regions. Make sure to check that PrivateLink supports VPC endpoints in the regions where events are expected.

▾ Network activity event: ec2.amazonaws.com

Remove

Network activity event source

Select a source for network activity events to log.

ec2.amazonaws.com

Log selector template

Log all events

Selector name - *optional*

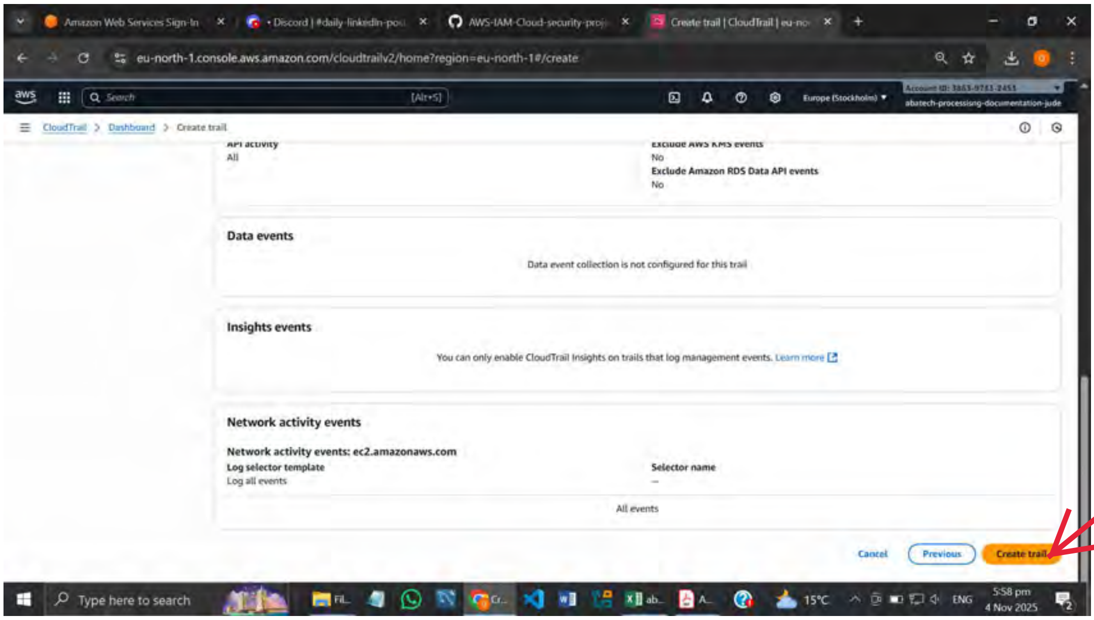
Enter a name

1,000 character limit

▸ JSON view

Add network activity event selector

Cancel Previous Next



eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/create

CloudTrail > Dashboard > Create trail

API activity
All

Exclude AWS KMS events
No
Exclude Amazon RDS Data API events
No

Data events

Data event collection is not configured for this trail

Insights events

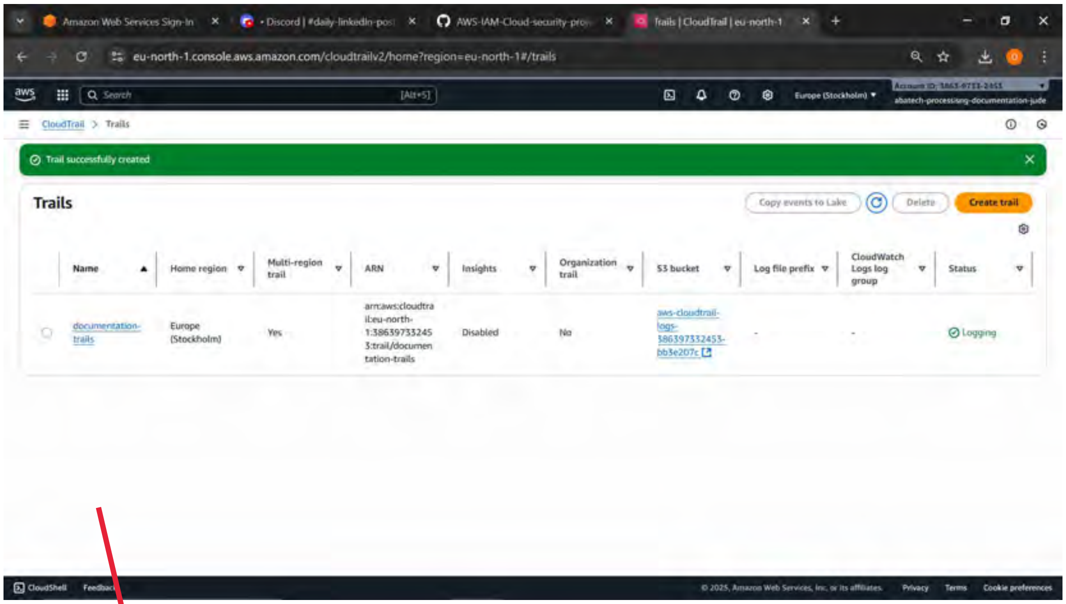
You can only enable CloudTrail Insights on trails that log management events. Learn more

Network activity events

Network activity events: ec2.amazonaws.com
Log selector template
Log all events

Selector name
–

All events



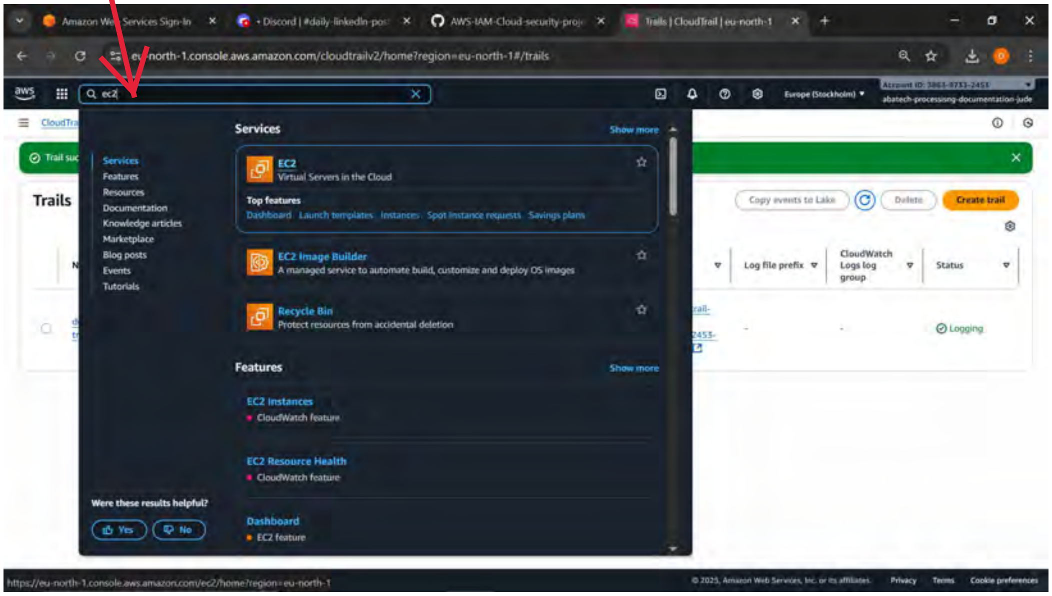
eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/trails

CloudTrail > Trails

Trail successfully created

Trails

Name	Home region	Multi-region trail	ARN	Insights	Organization trail	S3 bucket	Log file prefix	CloudWatch Logs log group	Status
documentation-trails	Europe (Stockholm)	Yes	arn:aws:cloudtrail:eu-north-1:386397332453:trail/documentation-trails	Disabled	No	aws-cloudtrail-logs-386397332453-bb3e207c	-	-	Logging



eu-north-1.console.aws.amazon.com/cloudtrailv2/home?region=eu-north-1#/trails

Search: ec2

Services Show more

EC2
Virtual Servers in the Cloud
Top features
Dashboard Launch templates Instances Spot Instance requests Savings plans

EC2 Image Builder
A managed service to automate build, customize and deploy OS images

Recycle Bin
Protect resources from accidental deletion

Features Show more

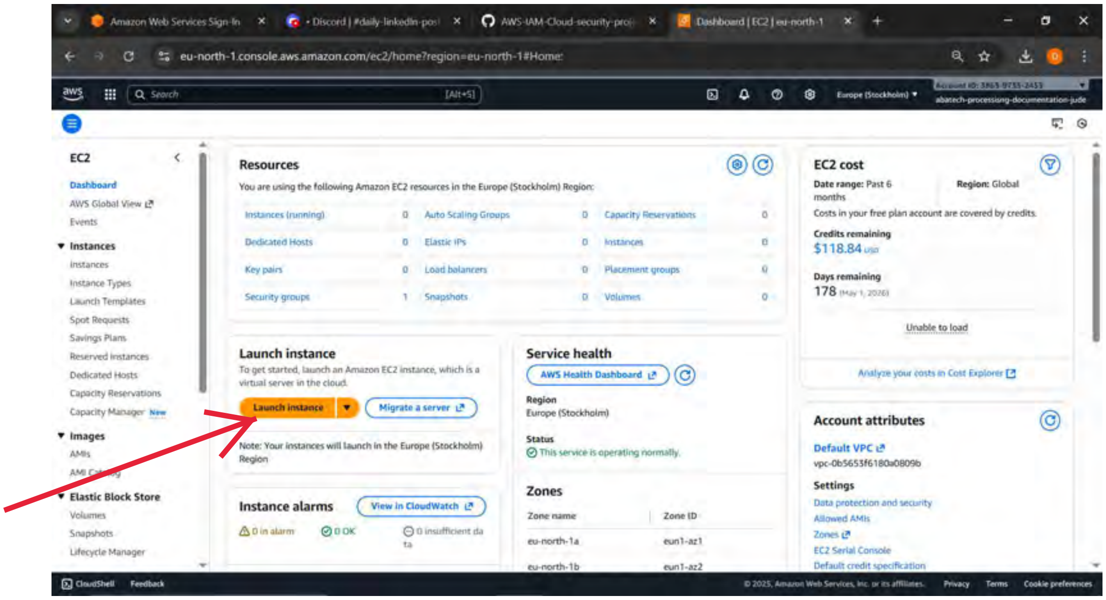
EC2 Instances
CloudWatch feature

EC2 Resource Health
CloudWatch feature

Dashboard
EC2 feature

Were these results helpful?

https://eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Home:

EC2

Dashboard

AWS Global View

Events

Instances: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager New

Images: AMIs, AMI Catalog

Elastic Block Store: Volumes, Snapshots, Lifecycle Manager

Resources

You are using the following Amazon EC2 resources in the Europe (Stockholm) Region:

Instances (running)	0	Auto Scaling Groups	0	Capacity Reservations	0
Dedicated Hosts	0	Elastic IPs	0	Instances	0
Key pairs	0	Load balancers	0	Placement groups	0
Security groups	1	Snapshots	0	Volumes	0

EC2 cost

Date range: Past 6 months

Region: Global

Costs in your free plan account are covered by credits.

Credits remaining
$118.84 USD

Days remaining
178 (May 1, 2026)

Unable to load

Analyze your costs in Cost Explorer

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance | Migrate a server

Note: Your instances will launch in the Europe (Stockholm) Region

Service health

AWS Health Dashboard

Region
Europe (Stockholm)

Status
This service is operating normally.

Zones

Zone name	Zone ID
eu-north-1a	eun1-az1
eu-north-1b	eun1-az2

Account attributes

Default VPC
vpc-0b5653f6180a0809b

Settings

Data protection and security

Allowed AMIs

Zones

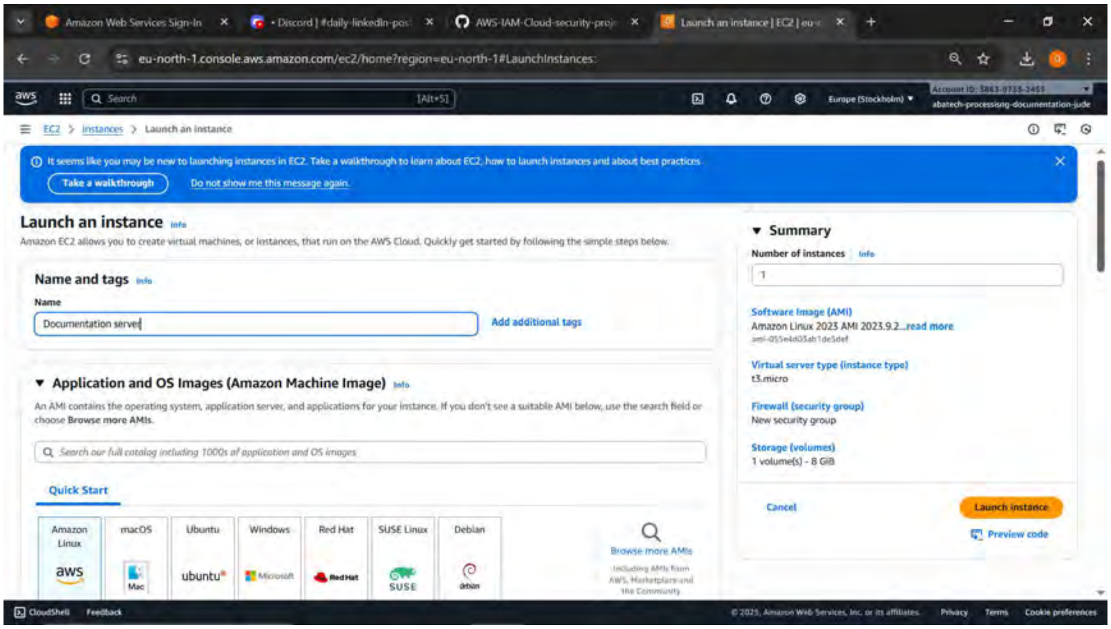
EC2 Serial Console

Default credit specification

Instance alarms

View in CloudWatch

0 in alarm | 0 OK | 0 insufficient data



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

EC2 > Instances > Launch an instance

It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices

Take a walkthrough | Do not show me this message again

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name
Documentation server

Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose Browse more AMIs.

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Linux | Debian

Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances Info
1

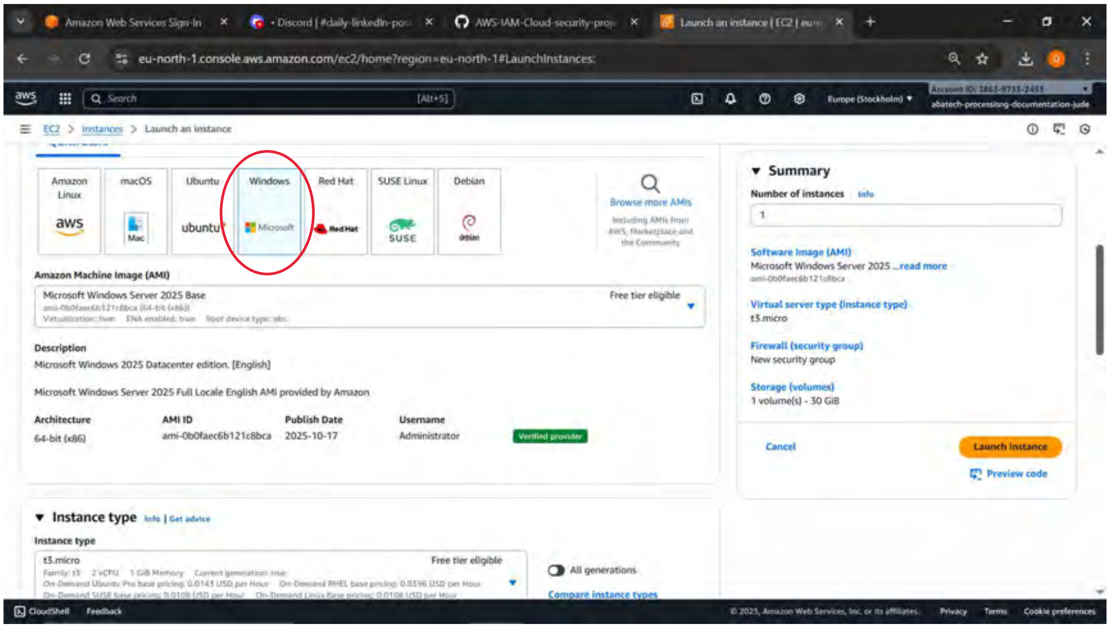
Software Image (AMI)
Amazon Linux 2023 AMI 2023.9.2...read more
ami-055e4d03ab1de5def

Virtual server type (instance type)
t3.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel | Launch instance | Preview code



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

EC2 > Instances > Launch an instance

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Linux | Debian

Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2025 Base — Free tier eligible
ami-0b0faec6b121c8bca (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Microsoft Windows 2025 Datacenter edition. [English]

Microsoft Windows Server 2025 Full Locale English AMI provided by Amazon

Architecture	AMI ID	Publish Date	Username	
64-bit (x86)	ami-0b0faec6b121c8bca	2025-10-17	Administrator	Verified provider

Instance type Info | Get advice

Instance type

t3.micro — Free tier eligible
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0143 USD per Hour On-Demand RHEL base pricing: 0.0396 USD per Hour
On-Demand SUSE base pricing: 0.0108 USD per Hour On-Demand Linux base pricing: 0.0108 USD per Hour

All generations

Compare instance types

Summary

Number of instances Info
1

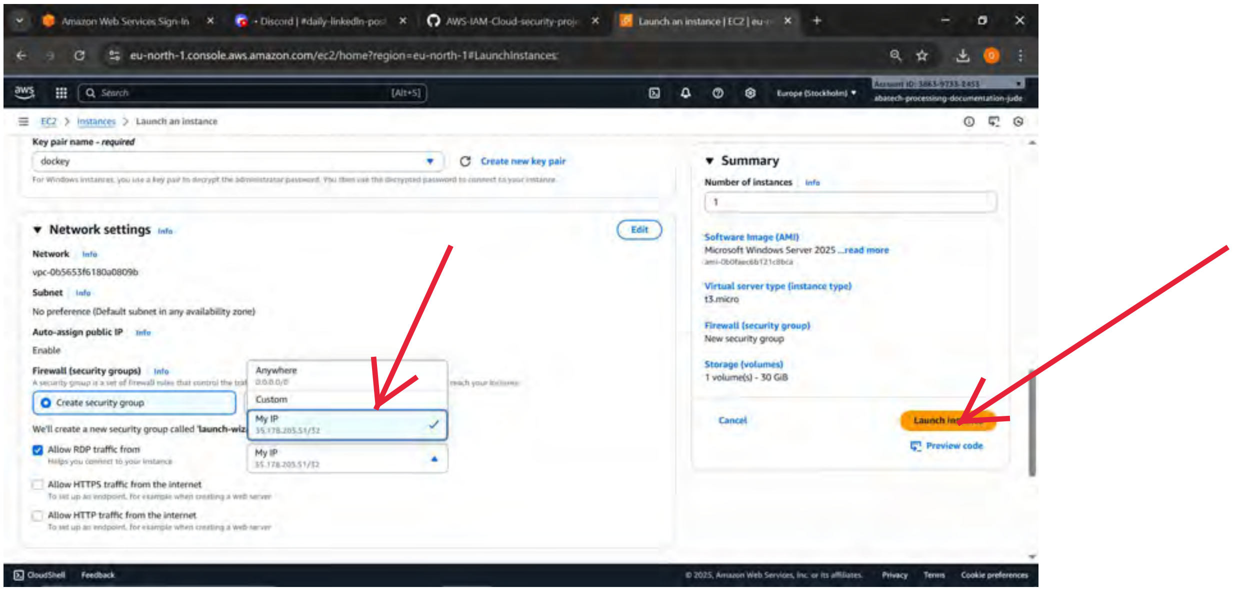
Software Image (AMI)
Microsoft Windows Server 2025 ...read more
ami-0b0faec6b121c8bca

Virtual server type (instance type)
t3.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 30 GiB

Cancel | Launch instance | Preview code



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

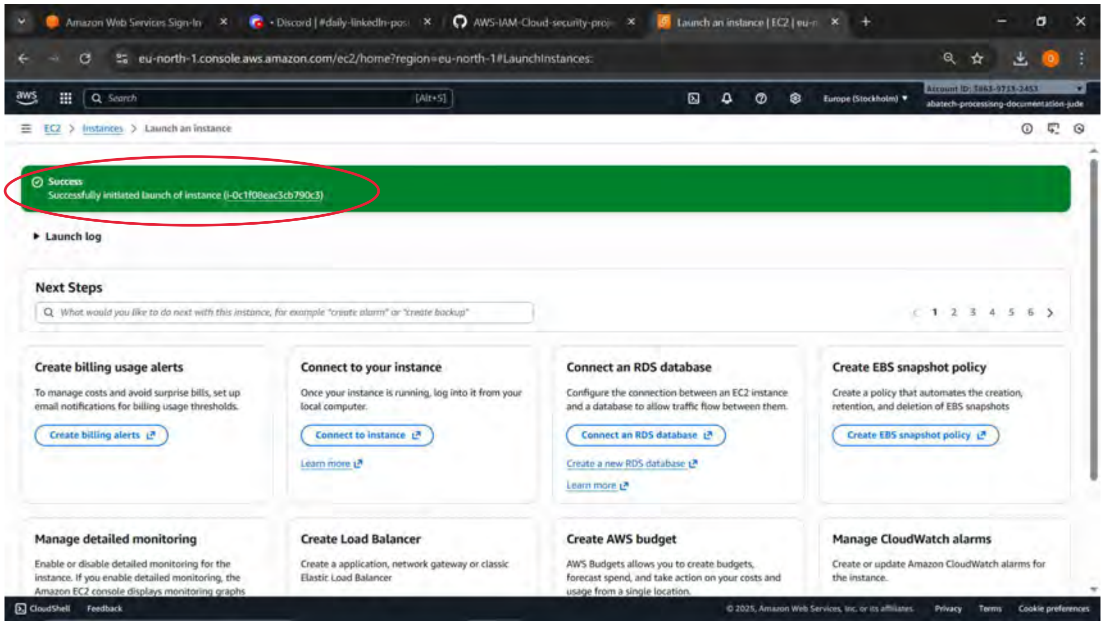
EC2 > Instances > Launch an instance

Key pair name - *required*
dockey
Create new key pair
For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Network settings Info

Network: vpc-0b5653f6180a0809b
Subnet: No preference (Default subnet in any availability zone)
Auto-assign public IP: Enable
Firewall (security groups): ● Create security group
We'll create a new security group called 'launch-wiz…
☑ Allow RDP traffic from — My IP 35.178.205.51/32
Helps you connect to your instance
□ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server
□ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Summary
Number of instances: 1
Software Image (AMI): Microsoft Windows Server 2025 ...read more
Virtual server type (instance type): t3.micro
Firewall (security group): New security group
Storage (volumes): 1 volume(s) - 30 GiB



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0c1f08eac3cb790c3)

▸ Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing usage thresholds.

Connect to your instance
Once your instance is running, log into it from your local computer.

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.

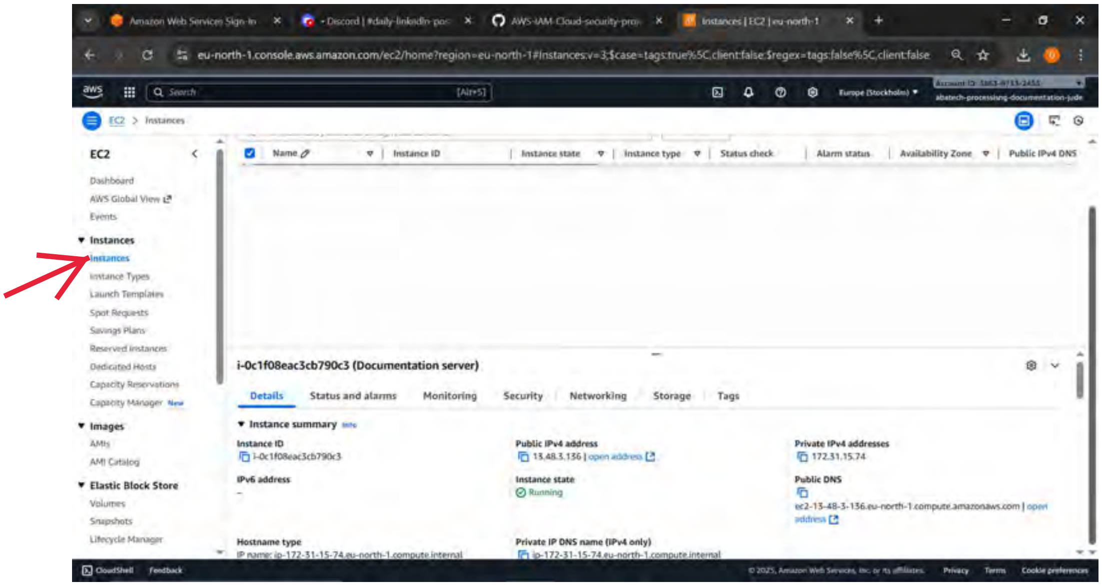
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs

Create Load Balancer
Create a application, network gateway or classic Elastic Load Balancer

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false

EC2 > Instances

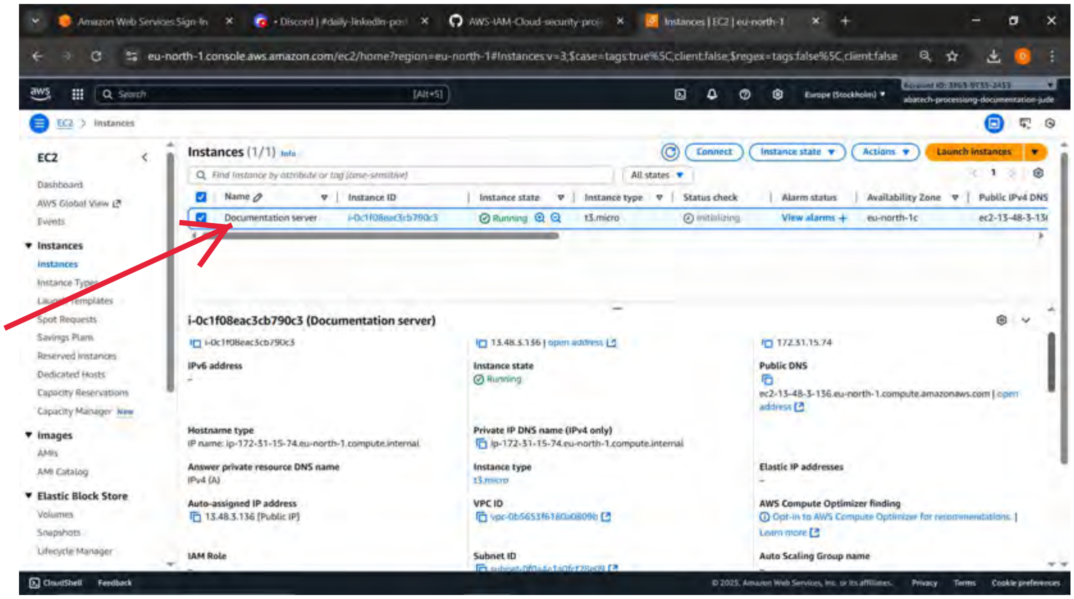
☑	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS

i-0c1f08eac3cb790c3 (Documentation server)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▾ Instance summary

Instance ID: i-0c1f08eac3cb790c3
Public IPv4 address: 13.48.3.136 | open address
Private IPv4 addresses: 172.31.15.74
IPv6 address: –
Instance state: Running
Public DNS: ec2-13-48-3-136.eu-north-1.compute.amazonaws.com | open address
Hostname type: IP name: ip-172-31-15-74.eu-north-1.compute.internal
Private IP DNS name (IPv4 only): ip-172-31-15-74.eu-north-1.compute.internal



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false

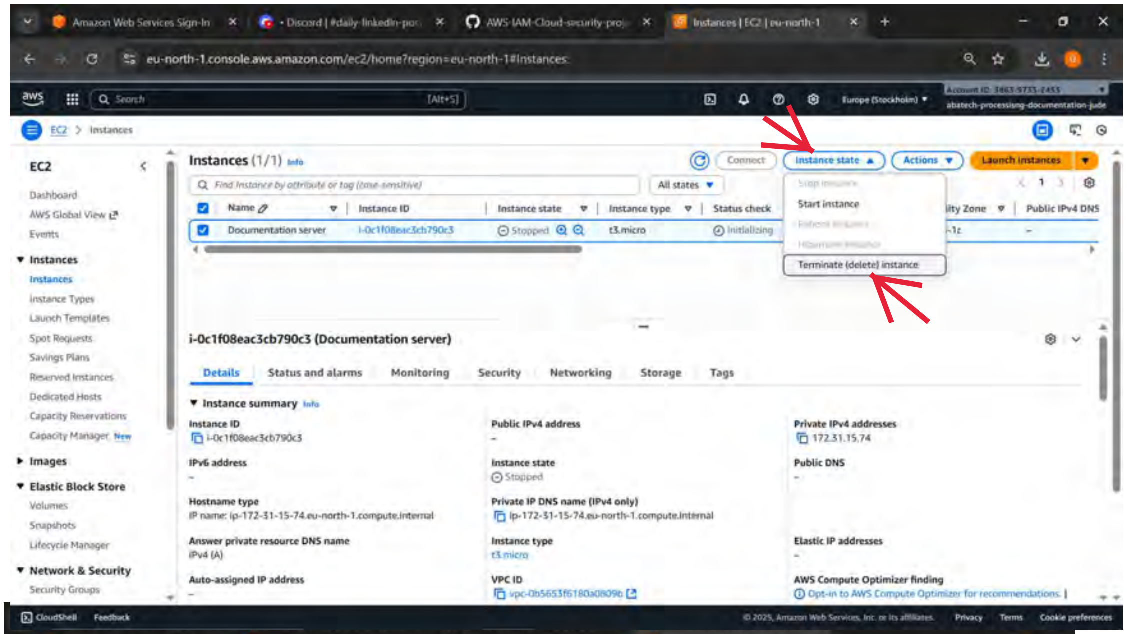
EC2 > Instances

Instances (1/1)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Documentation server	i-0c1f08eac3cb790c3	Running	t3.micro	Initializing	View alarms +	eu-north-1c	ec2-13-48-3-13

i-0c1f08eac3cb790c3 (Documentation server)

i-0c1f08eac3cb790c3	13.48.3.136 | open address	172.31.15.74
IPv6 address –	Instance state Running	Public DNS ec2-13-48-3-136.eu-north-1.compute.amazonaws.com | open address
Hostname type IP name: ip-172-31-15-74.eu-north-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-15-74.eu-north-1.compute.internal	
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	Elastic IP addresses –
Auto-assigned IP address 13.48.3.136 [Public IP]	VPC ID vpc-0b5653f6180a0809b	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role	Subnet ID	Auto Scaling Group name



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

EC2 > Instances

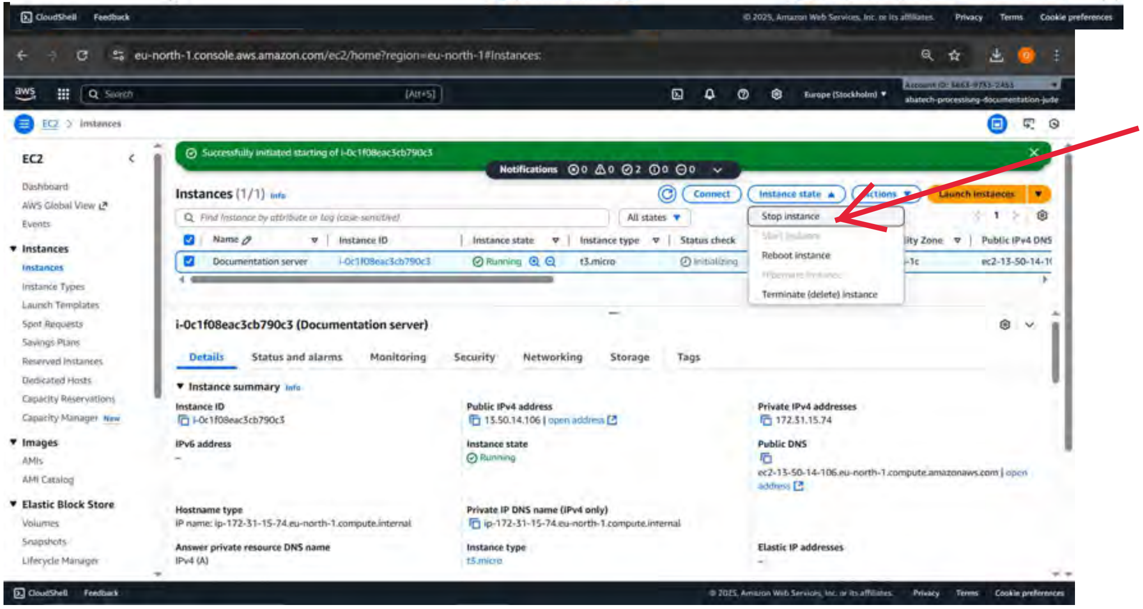
Instances (1/1)

Name	Instance ID	Instance state	Instance type	Status check	Availability Zone	Public IPv4 DNS
Documentation server	i-0c1f08eac3cb790c3	Stopped	t3.micro	Initializing	-1c	–

i-0c1f08eac3cb790c3 (Documentation server)

Instance summary

Instance ID i-0c1f08eac3cb790c3	Public IPv4 address –	Private IPv4 addresses 172.31.15.74
IPv6 address –	Instance state Stopped	Public DNS –
Hostname type IP name: ip-172-31-15-74.eu-north-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-15-74.eu-north-1.compute.internal	
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	Elastic IP addresses –
Auto-assigned IP address –	VPC ID vpc-0b5653f6180a0809b	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. |



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

Successfully initiated starting of i-0c1f08eac3cb790c3

Notifications ⊗0 ⚠0 ✓2 ⓘ0 ⊖0

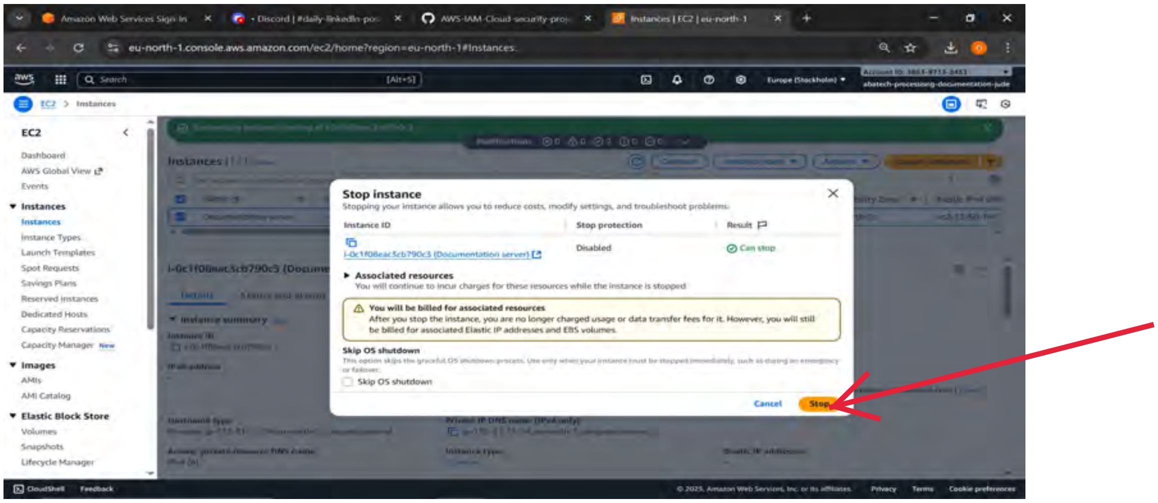
Instances (1/1)

Name	Instance ID	Instance state	Instance type	Status check	Availability Zone	Public IPv4 DNS
Documentation server	i-0c1f08eac3cb790c3	Running	t3.micro	Initializing	-1c	ec2-13-50-14-1

i-0c1f08eac3cb790c3 (Documentation server)

Instance summary

Instance ID i-0c1f08eac3cb790c3	Public IPv4 address 13.50.14.106 | open address	Private IPv4 addresses 172.31.15.74
IPv6 address –	Instance state Running	Public DNS ec2-13-50-14-106.eu-north-1.compute.amazonaws.com | open address
Hostname type IP name: ip-172-31-15-74.eu-north-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-15-74.eu-north-1.compute.internal	
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	Elastic IP addresses –



Stop instance

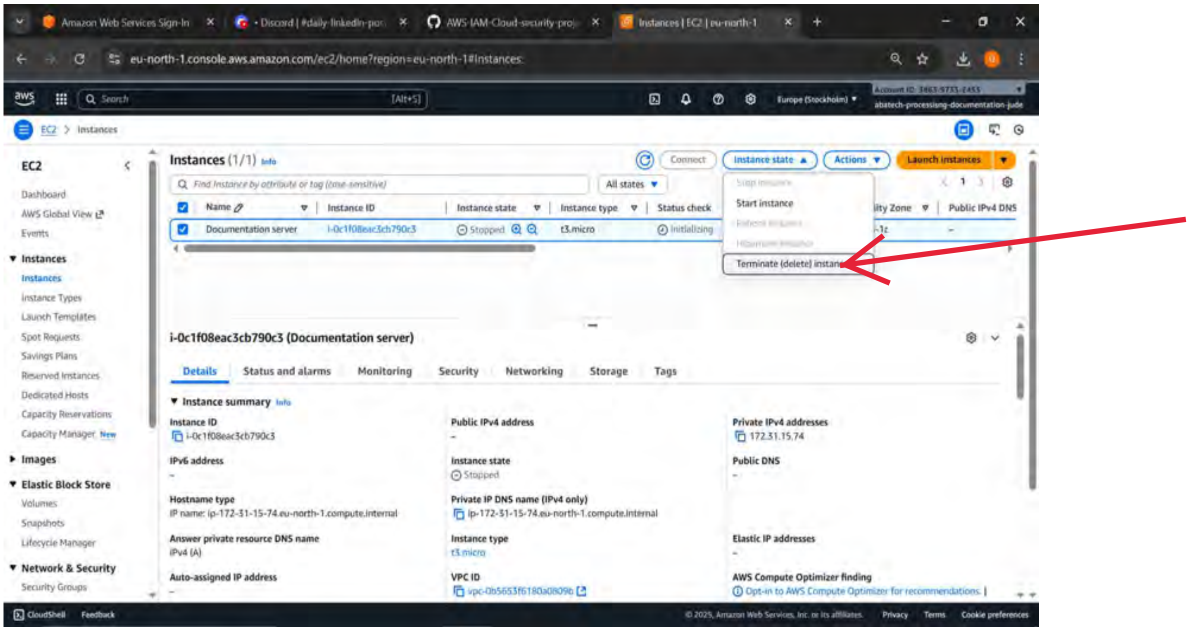
Stopping your instance allows you to reduce costs, modify settings, and troubleshoot problems.

Instance ID	Stop protection	Result
i-0c1f08eac3cb790c3 (Documentation server)	Disabled	Can stop

▶ Associated resources
You will continue to incur charges for these resources while the instance is stopped

You will be billed for associated resources
After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated Elastic IP addresses and EBS volumes.

Skip OS shutdown
This option skips the graceful OS shutdown process. Use only when your instance must be stopped immediately, such as during an emergency or failover.
□ Skip OS shutdown



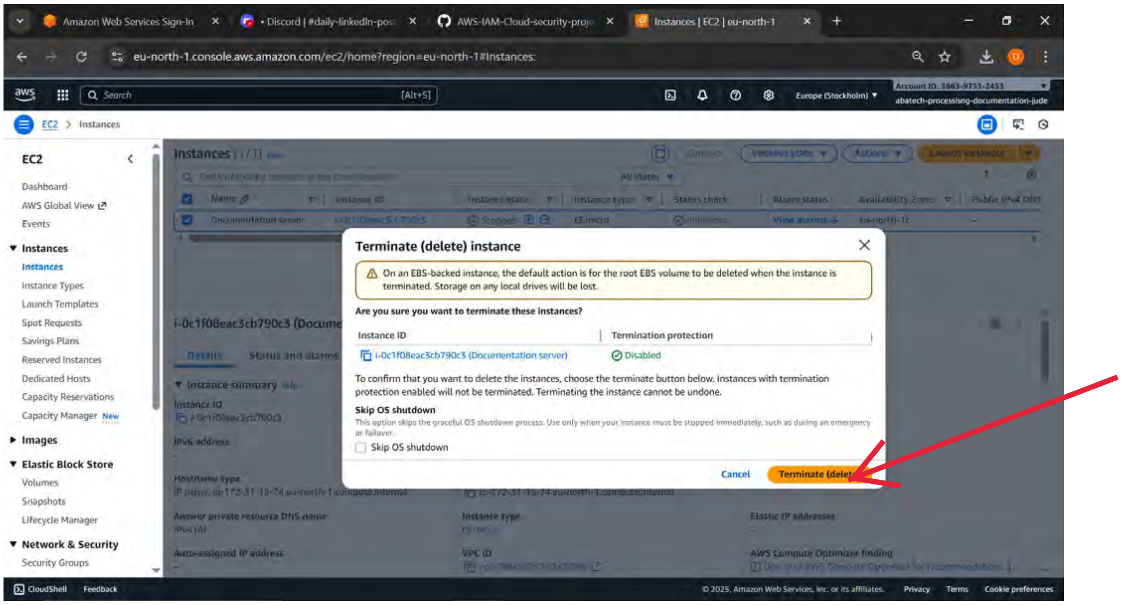
Instances (1/1)

☑	Name	Instance ID	Instance state	Instance type	Status check
☑	Documentation server	i-0c1f08eac3cb790c3	Stopped	t3.micro	Initializing

i-0c1f08eac3cb790c3 (Documentation server)

Instance summary

Instance ID: i-0c1f08eac3cb790c3
Public IPv4 address: –
Private IPv4 addresses: 172.31.15.74
IPv6 address: –
Instance state: Stopped
Public DNS: –
Hostname type: IP name: ip-172-31-15-74.eu-north-1.compute.internal
Private IP DNS name (IPv4 only): ip-172-31-15-74.eu-north-1.compute.internal
Answer private resource DNS name: IPv4 (A)
Instance type: t3.micro
Elastic IP addresses: –
Auto-assigned IP address: –
VPC ID: vpc-0b5653f6180a0809b
AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations.



Terminate (delete) instance

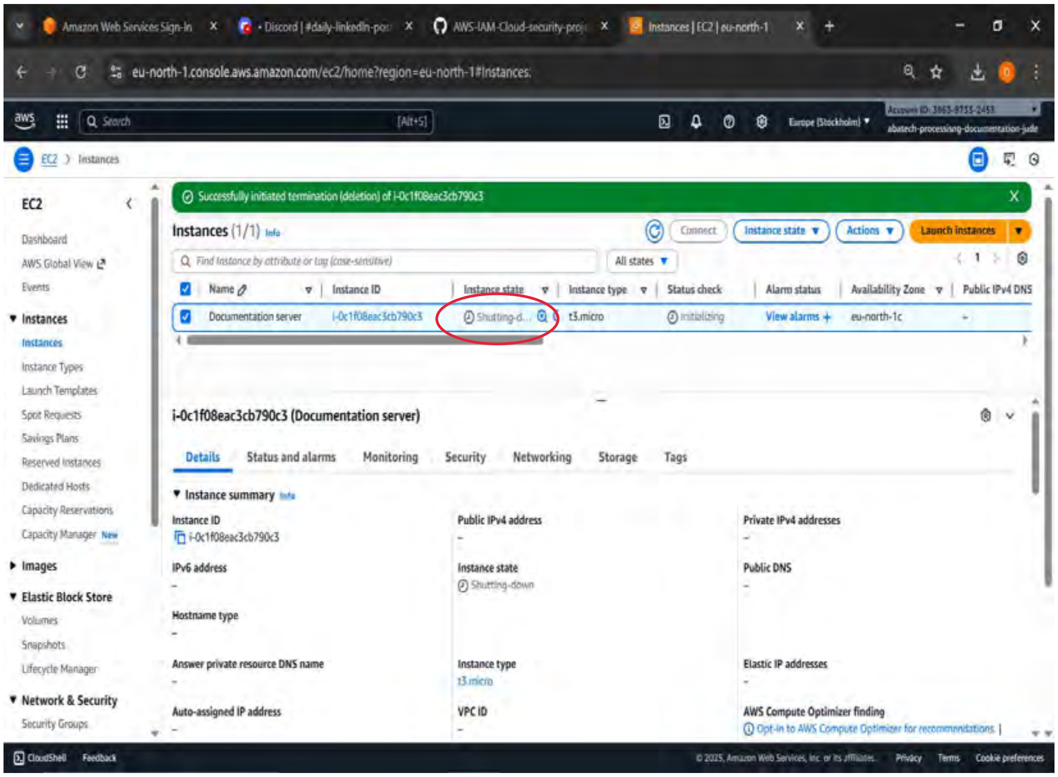
On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID	Termination protection
i-0c1f08eac3cb790c3 (Documentation server)	Disabled

To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

Skip OS shutdown
This option skips the graceful OS shutdown process. Use only when your instance must be stopped immediately, such as during an emergency or failover.
□ Skip OS shutdown



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

Successfully initiated termination (deletion) of i-0c1f08eac3cb790c3

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

☑	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
☑	Documentation server	i-0c1f08eac3cb790c3	Shutting-d...	t3.micro	Initializing	View alarms +	eu-north-1c	–

i-0c1f08eac3cb790c3 (Documentation server)

Instance summary Info

Instance ID
i-0c1f08eac3cb790c3

Public IPv4 address
–

Private IPv4 addresses
–

IPv6 address
–

Instance state
Shutting-down

Public DNS
–

Hostname type
–

Answer private resource DNS name
–

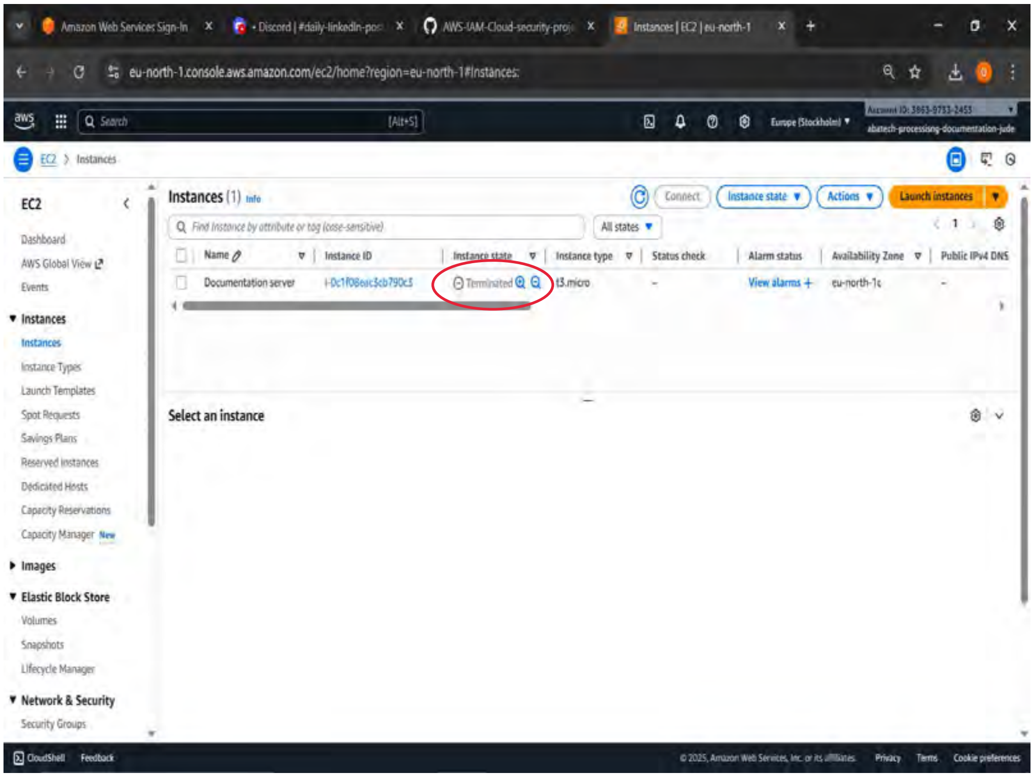
Instance type
t3.micro

Elastic IP addresses
–

Auto-assigned IP address
–

VPC ID
–

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. |



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

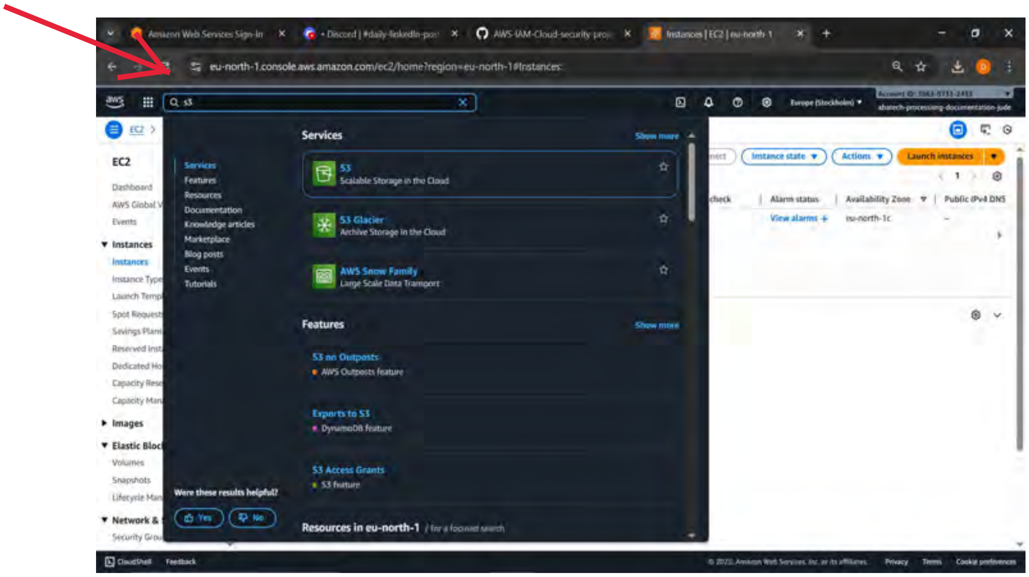
Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

□	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
□	Documentation server	i-0c1f08eac3cb790c3	Terminated	t3.micro	–	View alarms +	eu-north-1c	–

Select an instance

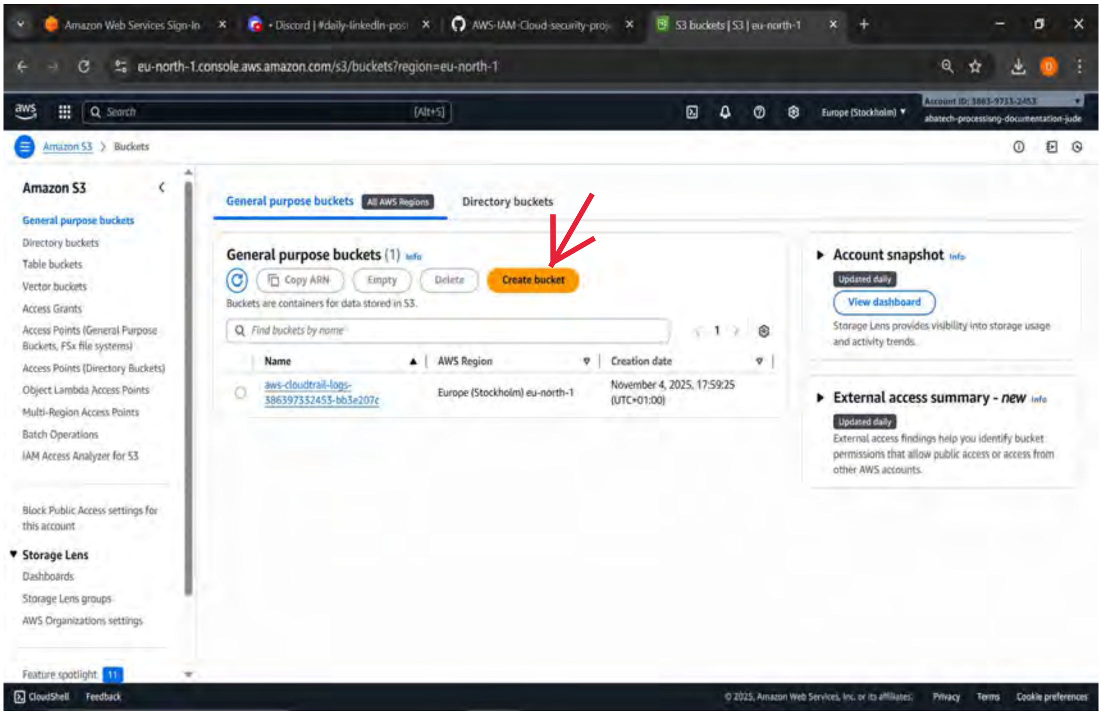
CREATING S3 BUCKET



eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:

Search: s3

type in s3 into the AWS search box



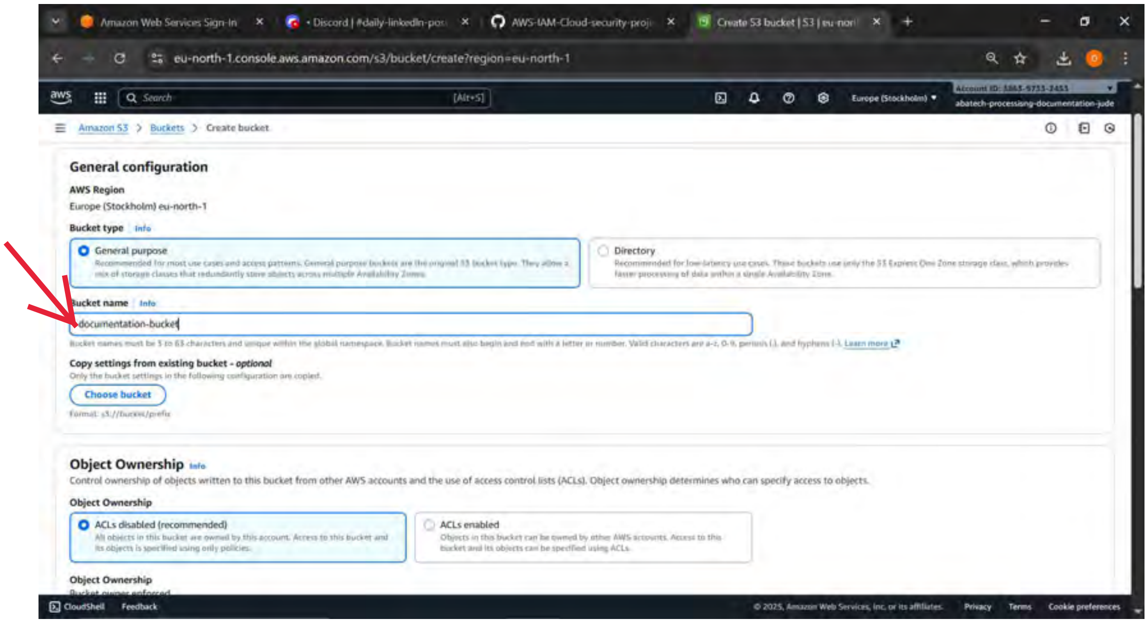
eu-north-1.console.aws.amazon.com/s3/buckets?region=eu-north-1

General purpose buckets (1)

Buckets are containers for data stored in S3.

Name	AWS Region	Creation date
aws-cloudtrail-logs-386397332453-bb3e207c	Europe (Stockholm) eu-north-1	November 4, 2025, 17:59:25 (UTC+01:00)

create a bucket



eu-north-1.console.aws.amazon.com/s3/bucket/create?region=eu-north-1

General configuration

AWS Region: Europe (Stockholm) eu-north-1

Bucket type: ● General purpose ○ Directory

Bucket name: documentation-bucket

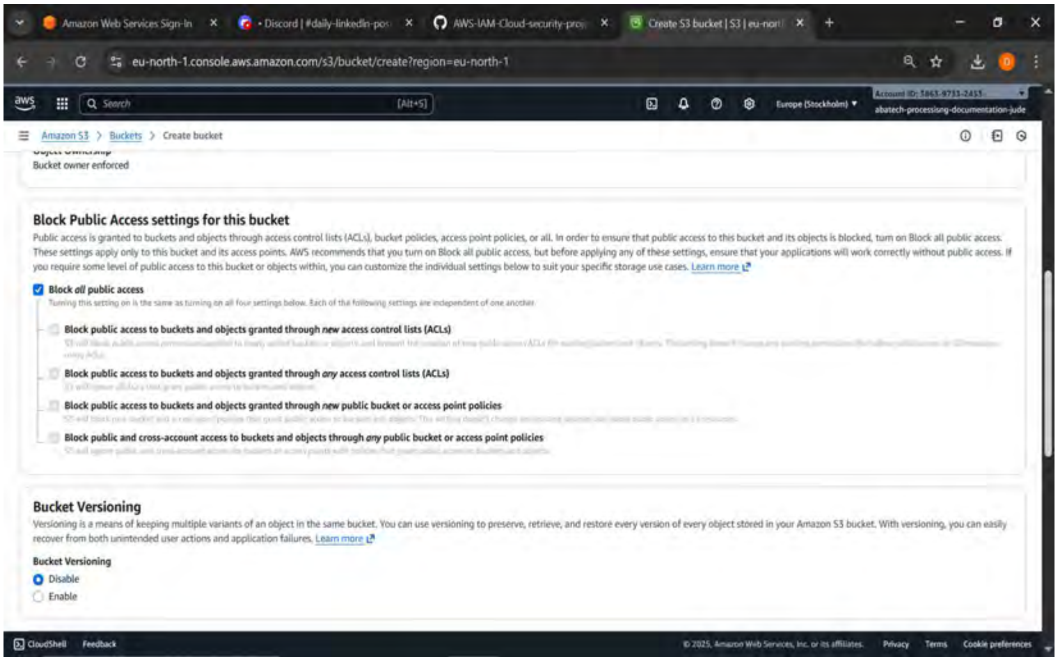
Copy settings from existing bucket - *optional*

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

Object Ownership: ● ACLs disabled (recommended) ○ ACLs enabled

create bucket name



Amazon S3 > Buckets > Create bucket

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

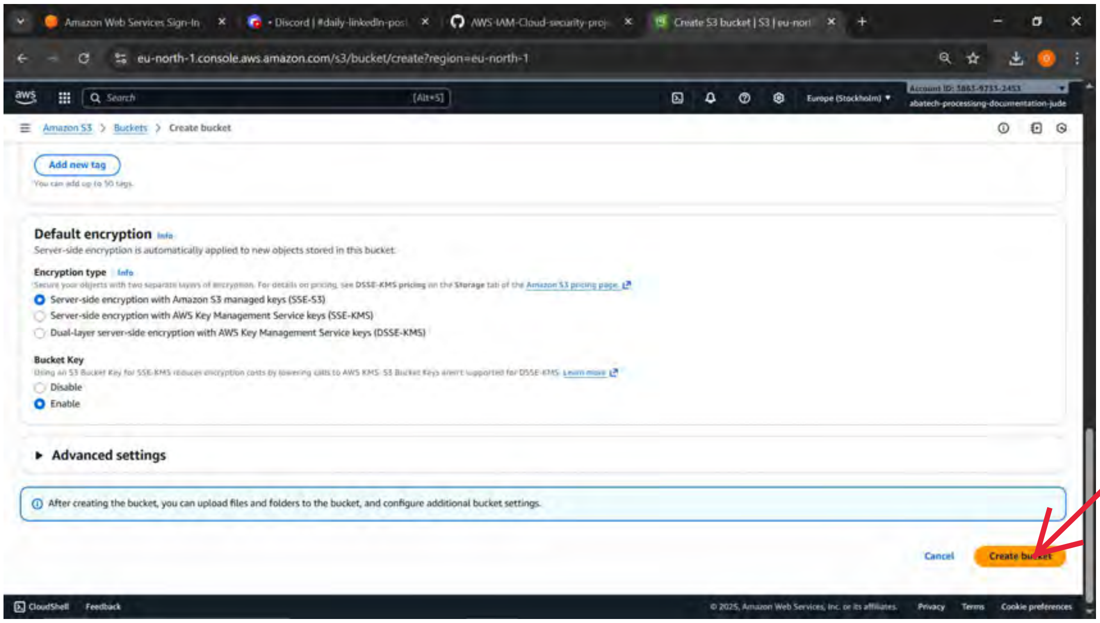
☑ Block *all* public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- □ Block public access to buckets and objects granted through *new* access control lists (ACLs)
- □ Block public access to buckets and objects granted through *any* access control lists (ACLs)
- □ Block public access to buckets and objects granted through *new* public bucket or access point policies
- □ Block public and cross-account access to buckets and objects through *any* public bucket or access point policies

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more

Bucket Versioning
● Disable
○ Enable



Amazon S3 > Buckets > Create bucket

Add new tag
You can add up to 50 tags.

Default encryption

Server-side encryption is automatically applied to new objects stored in this bucket.

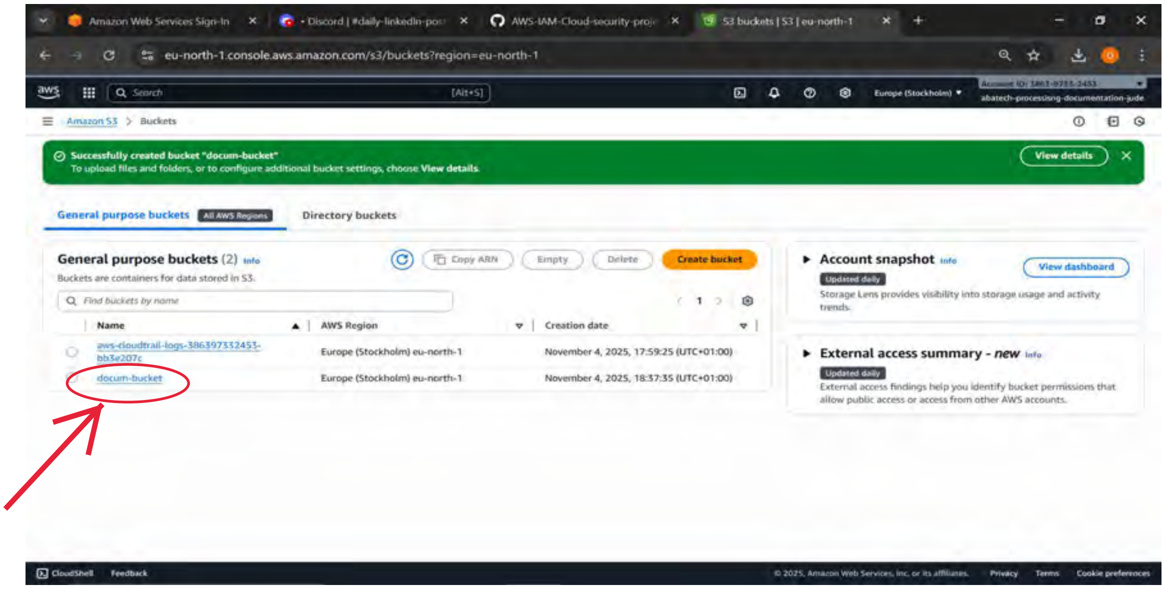
Encryption type
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the Amazon S3 pricing page.
● Server-side encryption with Amazon S3 managed keys (SSE-S3)
○ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
○ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. Learn more
○ Disable
● Enable

▸ Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

craete bucket



Amazon S3 > Buckets

Successfully created bucket "docum-bucket"
To upload files and folders, or to configure additional bucket settings, choose **View details**.

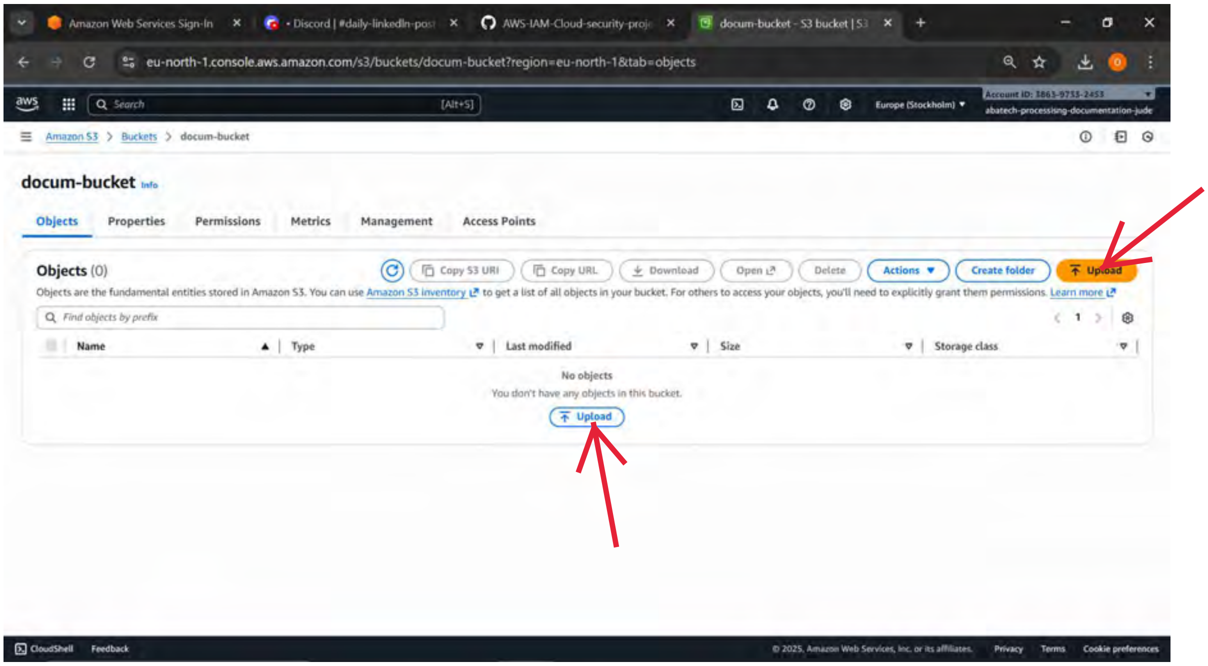
General purpose buckets (2)
Buckets are containers for data stored in S3.

Name	AWS Region	Creation date
aws-cloudtrail-logs-386397332453-bb3e207c	Europe (Stockholm) eu-north-1	November 4, 2025, 17:59:25 (UTC+01:00)
docum-bucket	Europe (Stockholm) eu-north-1	November 4, 2025, 18:37:35 (UTC+01:00)

Account snapshot
Updated daily
Storage Lens provides visibility into storage usage and activity trends.

External access summary - *new*
Updated daily
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

click the created bucket



eu-north-1.console.aws.amazon.com/s3/buckets/docum-bucket?region=eu-north-1&tab=objects

Account ID: 3863-9733-2453
abatech-processing-documentation-jude

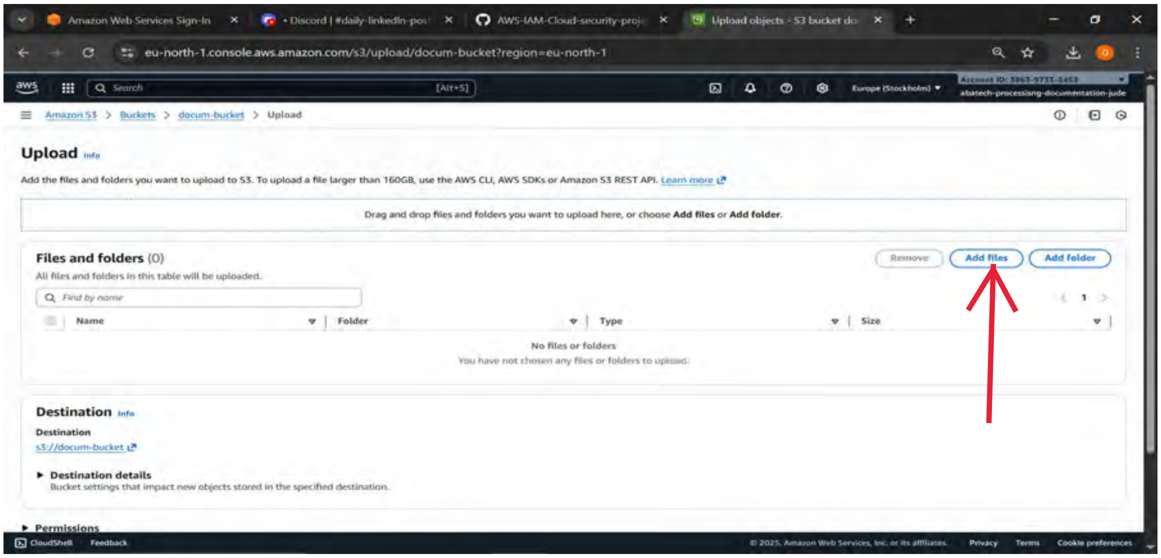
docum-bucket Info

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more

No objects
You don't have any objects in this bucket.

upload a desired file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AWS-IAM-Cloud-security-proje
Upload objects - S3 bucket do
Search
[Alt+S]
Europe (Stockholm)
Amazon S3 > Buckets > docum-bucket > Upload
Remove
Add files
Add folder
Find by name
Name
Folder
Type
Size
Permissions
CloudShell
Feedback
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Privacy
Terms
Cookie preferences

eu-north-1.console.aws.amazon.com/s3/upload/docum-bucket?region=eu-north-1

Account ID: 3863-9733-2453
abatech-processing-documentation-jude

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (0)

All files and folders in this table will be uploaded.

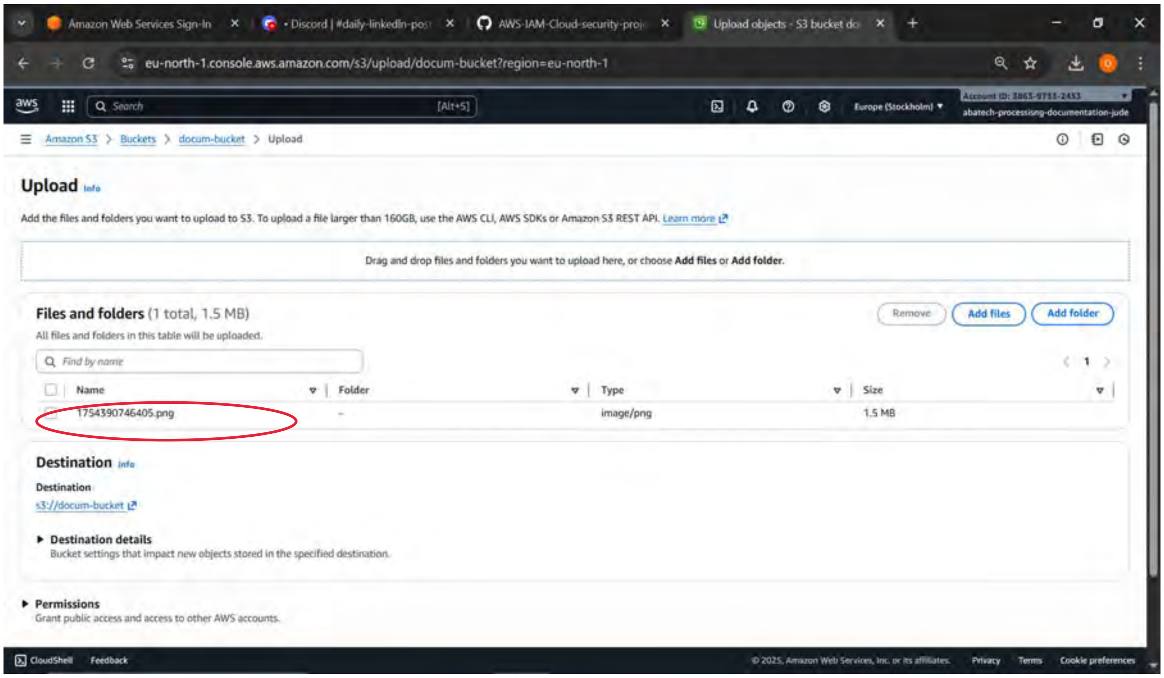
No files or folders
You have not chosen any files or folders to upload.

Destination Info

Destination
s3://docum-bucket

Destination details
Bucket settings that impact new objects stored in the specified destination.

add file


Amazon Web Services Sign-In
Discord | #daily-linkedin-post
AWS-IAM-Cloud-security-proje
Upload objects - S3 bucket do
Search
[Alt+S]
Europe (Stockholm)
Amazon S3 > Buckets > docum-bucket > Upload
Remove
Add files
Add folder
Find by name
CloudShell
Feedback
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Privacy
Terms
Cookie preferences

eu-north-1.console.aws.amazon.com/s3/upload/docum-bucket?region=eu-north-1

Account ID: 3863-9733-2453
abatech-processing-documentation-jude

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 total, 1.5 MB)

All files and folders in this table will be uploaded.

Name	Folder	Type	Size
1754390746405.png	-	image/png	1.5 MB

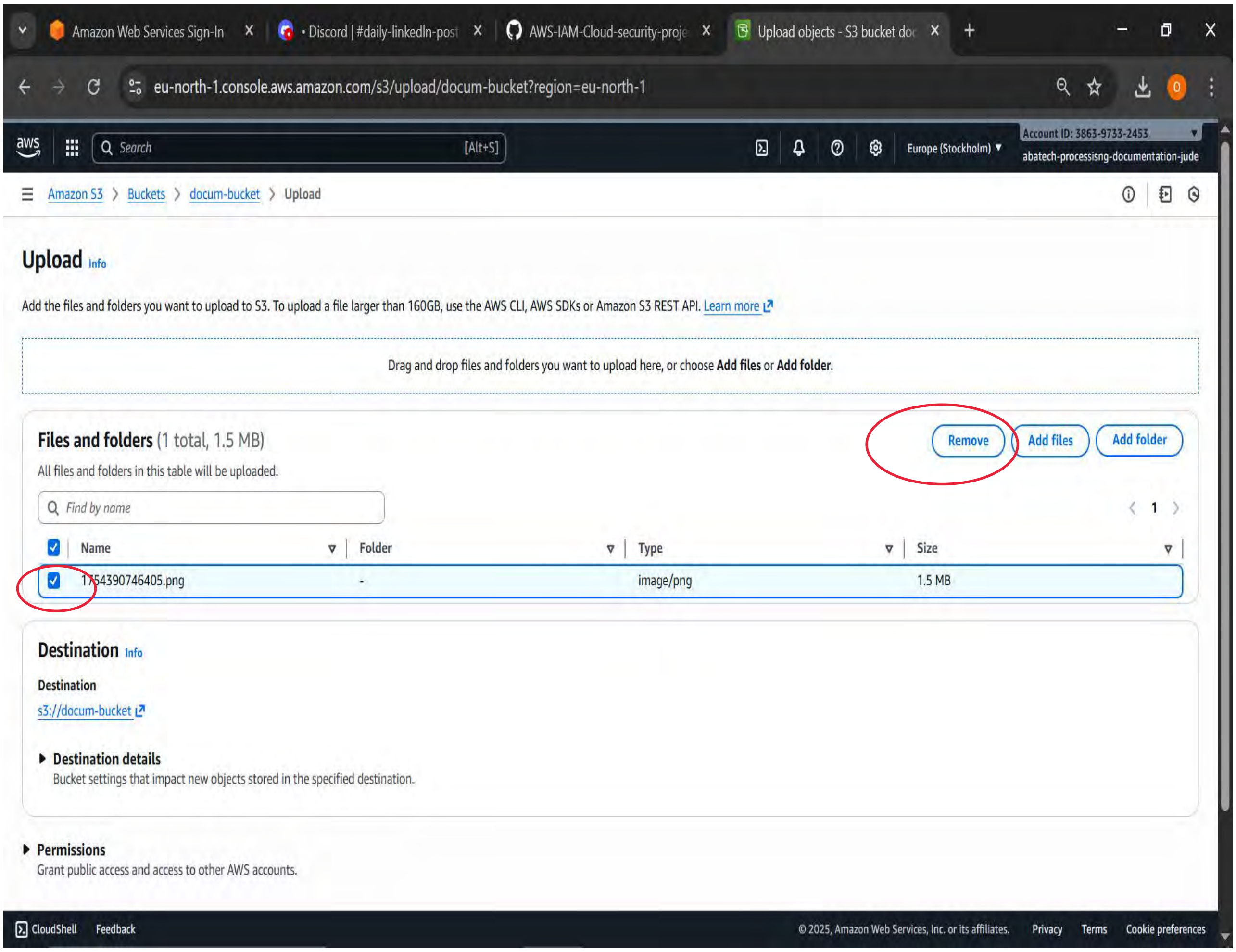
Destination Info

Destination
s3://docum-bucket

Destination details
Bucket settings that impact new objects stored in the specified destination.

Permissions
Grant public access and access to other AWS accounts.

file now added



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AWS-IAM-Cloud-security-proje
Upload objects - S3 bucket doc
eu-north-1.console.aws.amazon.com/s3/upload/docum-bucket?region=eu-north-1
Search
[Alt+S]
Europe (Stockholm)
Account ID: 3863-9733-2453
abatech-processisng-documentation-jude
Amazon S3
Buckets
docum-bucket
Upload

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 total, 1.5 MB)

All files and folders in this table will be uploaded.

Remove
Add files
Add folder
Find by name
1

☑ Name	Folder	Type	Size
☑ 1754390746405.png	-	image/png	1.5 MB

Destination Info

Destination

s3://docum-bucket

Destination details

Bucket settings that impact new objects stored in the specified destination.

Permissions

Grant public access and access to other AWS accounts.

you can also decide to remove file from the bucket