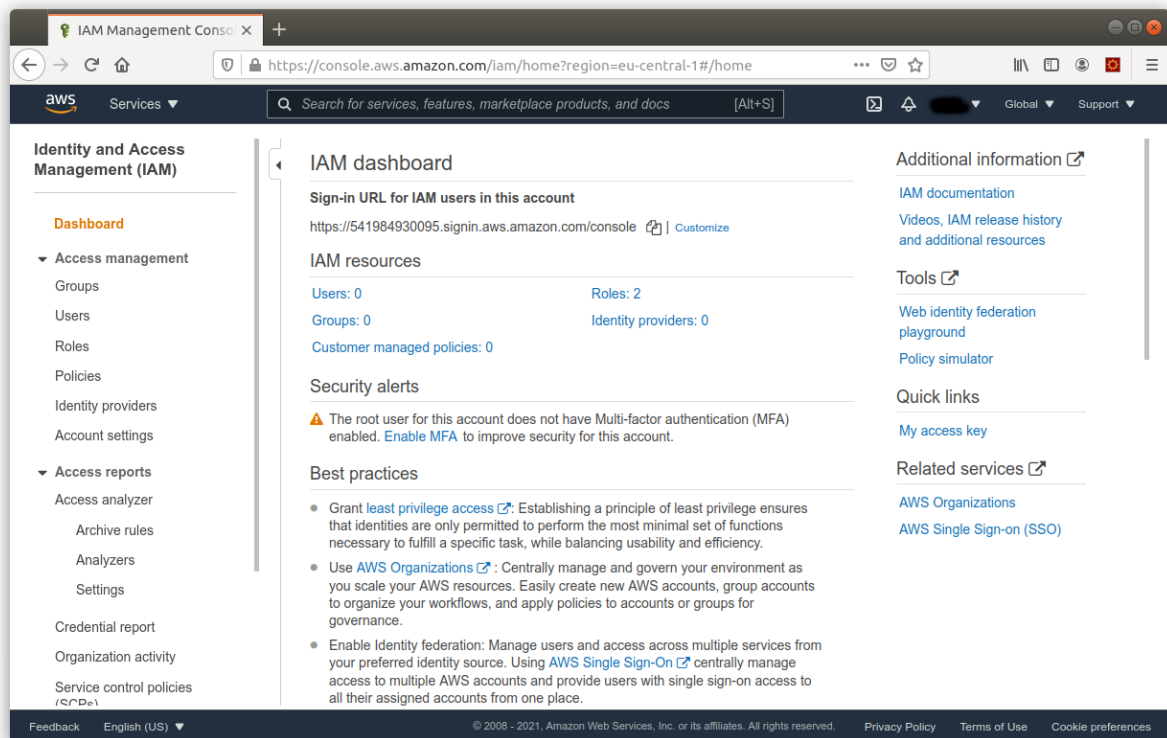
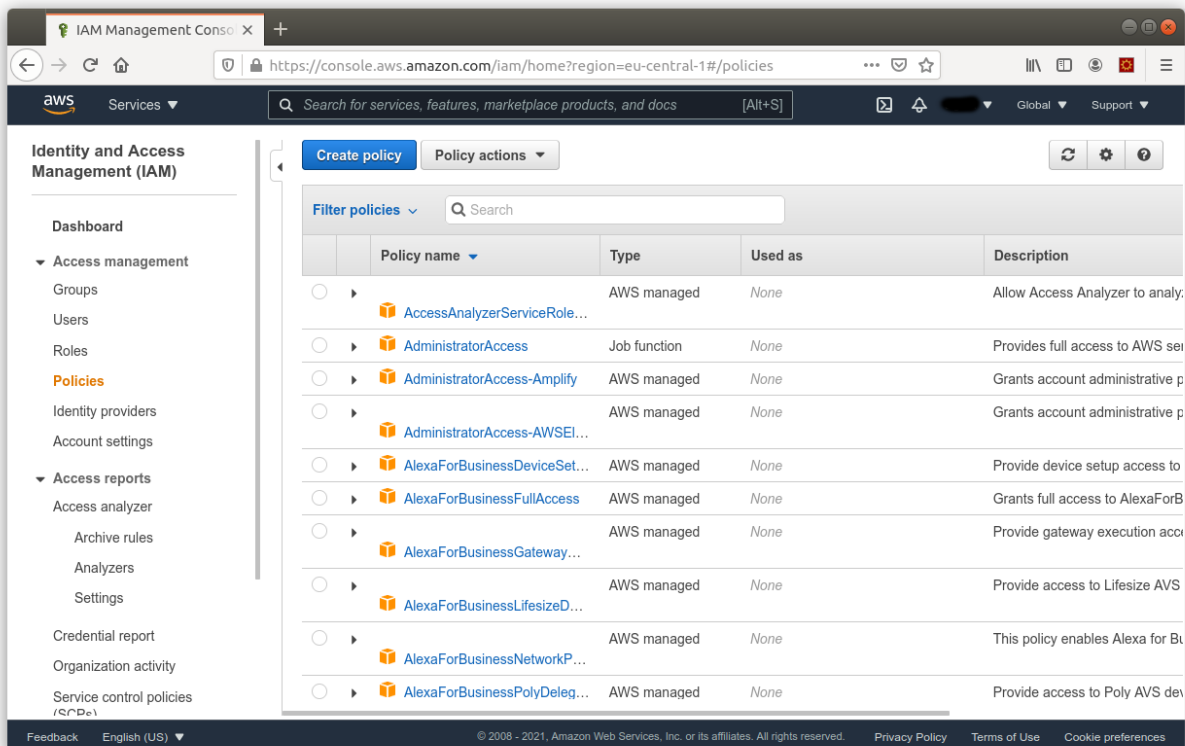


## My Drive Implementation (IAM)

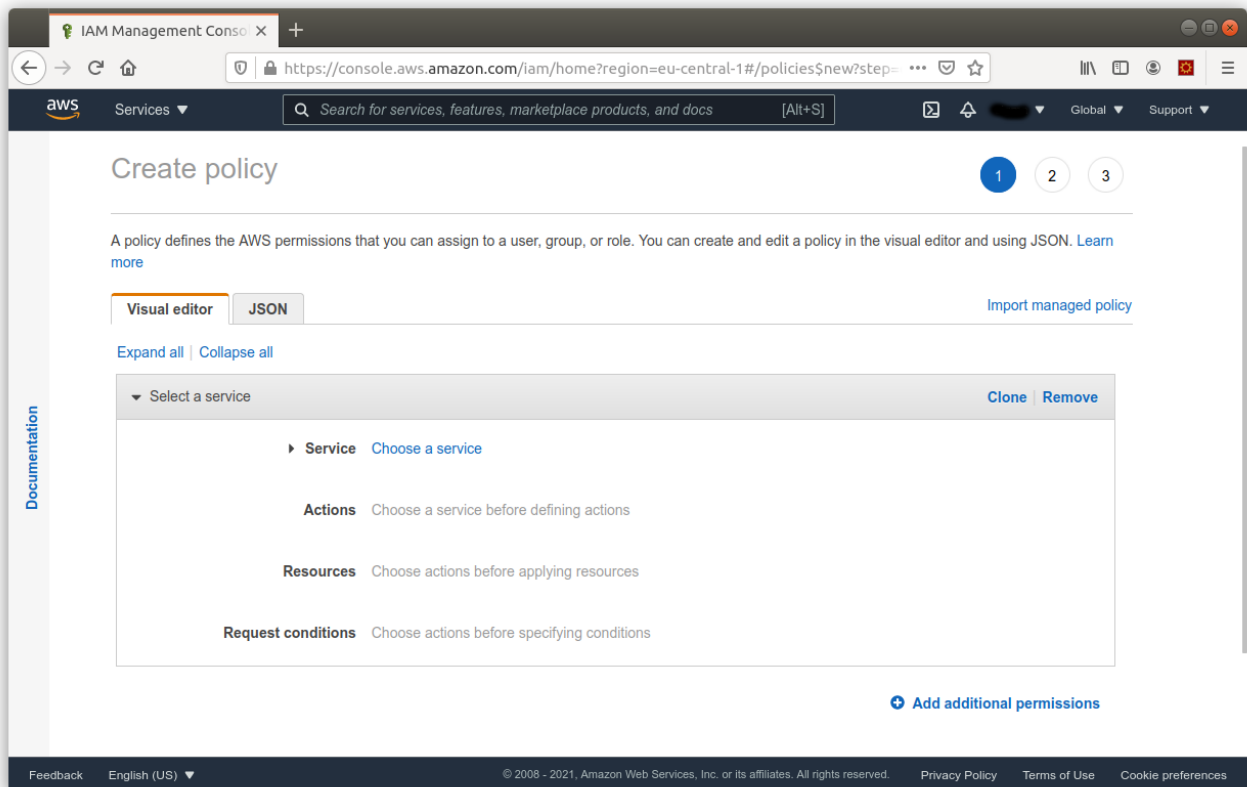
In order to secure access of the EC2 instances to S3, an IAM role is required. Use AWS IAM service web-page.



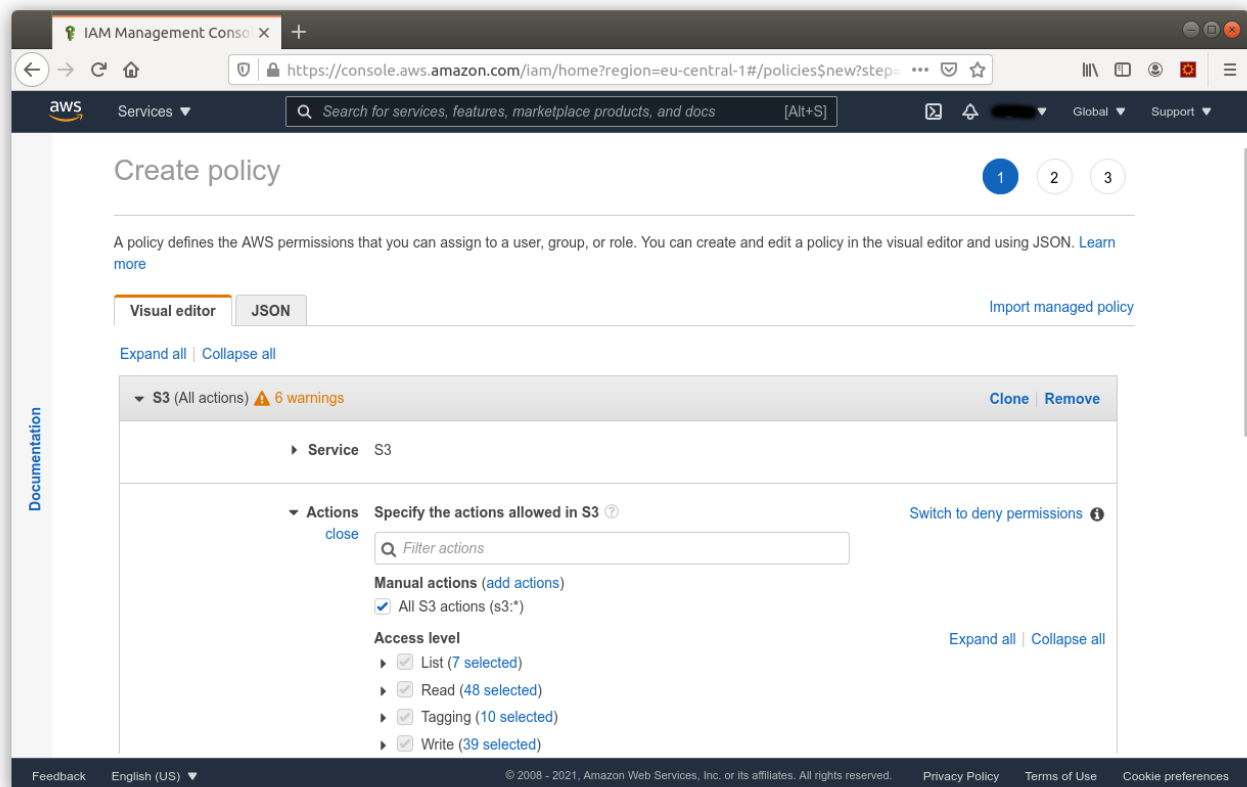
One IAM roles is based on IAM Policies. It is required to create an IAM policy that reduce the access rights to the S3 bucket we need to use. ( See S3 Bucket pages ).



Create a new policy:

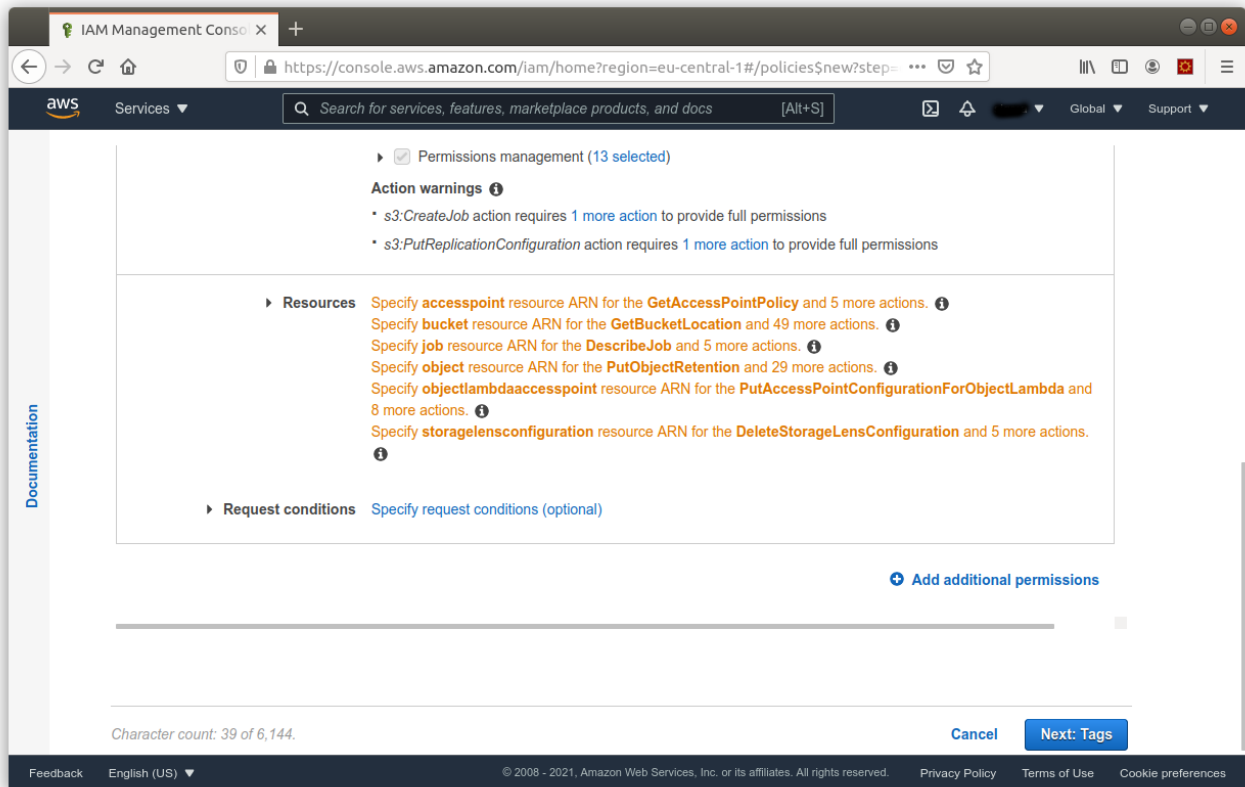


Chose S3 service:

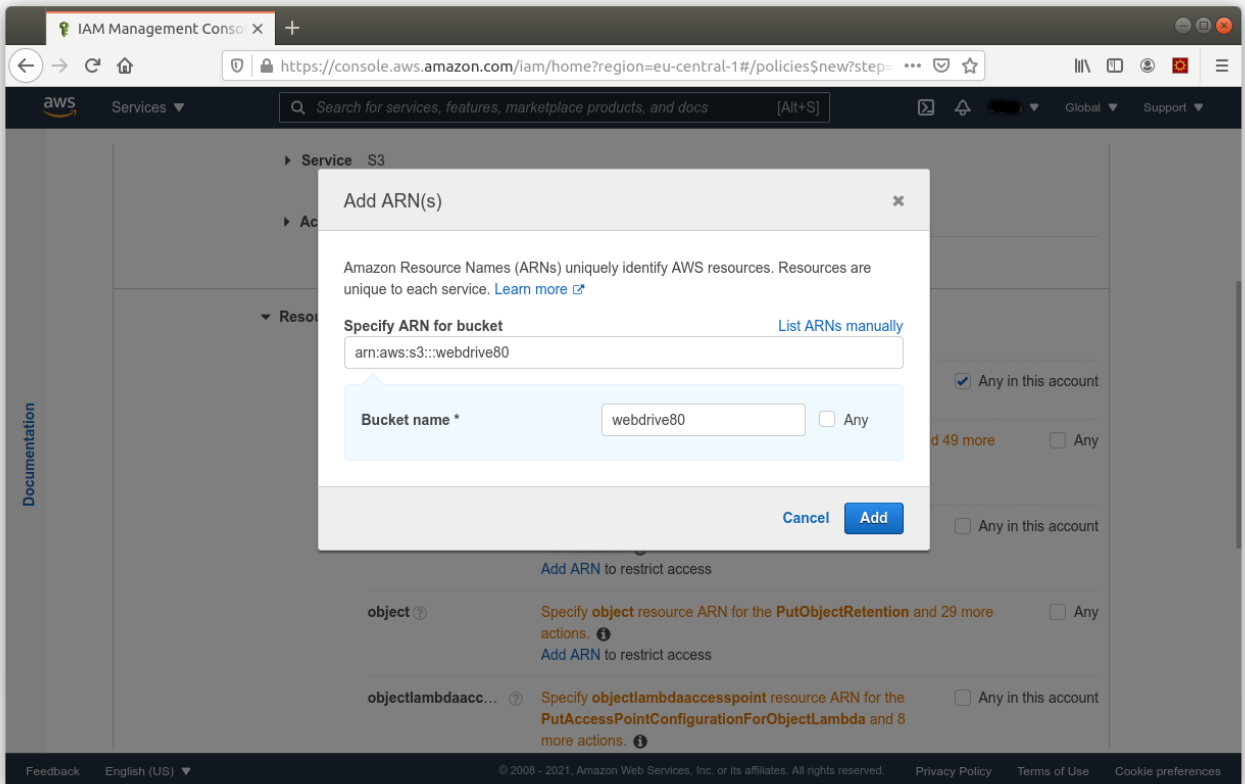


Check – all S3 actions (it will be filtered later per bucket)

You will need to specify the Bucket and Object resource ARN.

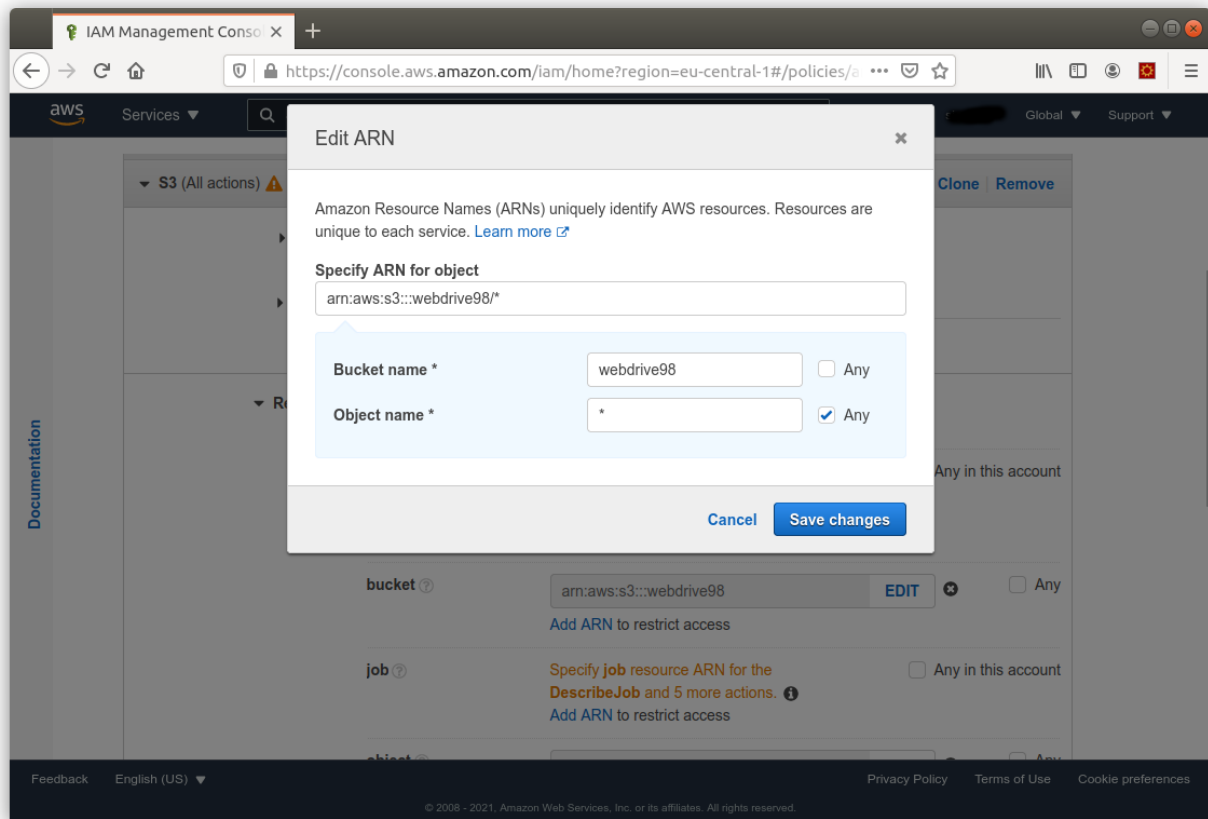


Click on the desired line.  
Bucket first:

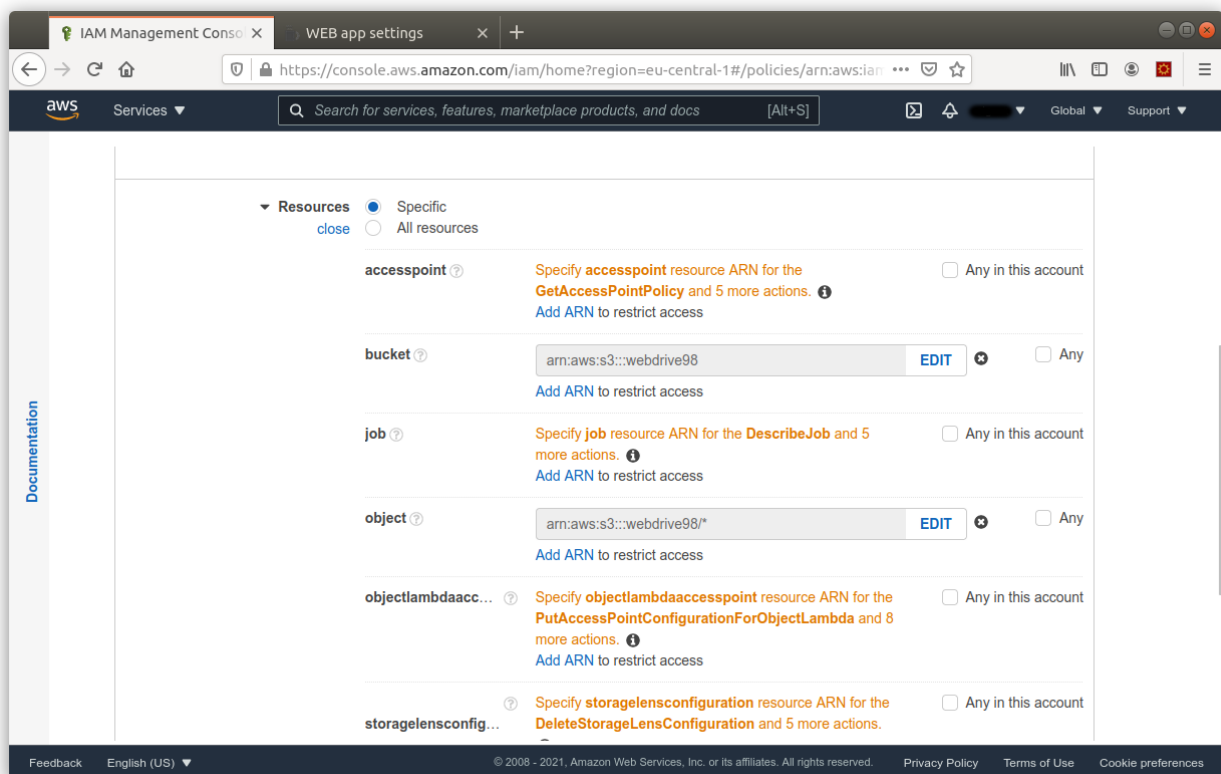


Write the bucket name. The ARN will be completed.

Set the ARN for Object: ( bucket name and ANY for Object name )



It should look like this:



You can set a tag ( key and value ). It is not required.  
Set the policy name:

The screenshot shows the 'Create policy' page in the AWS IAM Management Console, specifically the 'Review policy' step (step 3 of 3). The page title is 'Create policy'. Below the title, there's a 'Review policy' section. The 'Name\*' field is filled with 'webdrive98-access'. Below it, a note says 'Use alphanumeric and '+=, @, \_' characters. Maximum 128 characters.' The 'Description' field is empty, with a note below it: 'Maximum 1000 characters. Use alphanumeric and '+=, @, \_' characters.' Below the description is a 'Summary' section. It has a search bar with 'Filter'. Below the search bar is a table with columns: 'Service', 'Access level', 'Resource', and 'Request context'. The table shows 'Allow (1 of 277 services) Show remaining 276'. The first row is 'S3', 'Full access', 'Multiple', and 'None'. At the bottom, there's a 'Tags' section with a table with columns 'Key' and 'Value'. The footer includes 'Feedback', 'English (US)', '© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.', 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

1 2 3

Create policy

Review policy

Name\* webdrive98-access  
Use alphanumeric and '+=, @, \_' characters. Maximum 128 characters.

Description  
Maximum 1000 characters. Use alphanumeric and '+=, @, \_' characters.

Summary

Filter

Service	Access level	Resource	Request context
Allow (1 of 277 services) Show remaining 276			
S3	Full access	Multiple	None

Tags

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A preview, press “Create Policy”

The screenshot shows the 'Create policy' page in the AWS IAM Management Console, specifically the 'Review policy' step (step 3 of 3). The page title is 'Create policy'. Below the title, there's a 'Review policy' section. The 'Name\*' field is filled with 'webdrive98-access'. Below it, a note says 'Use alphanumeric and '+=, @, \_' characters. Maximum 128 characters.' The 'Description' field is empty, with a note below it: 'Maximum 1000 characters. Use alphanumeric and '+=, @, \_' characters.' Below the description is a 'Summary' section. It has a search bar with 'Filter'. Below the search bar is a table with columns: 'Service', 'Access level', 'Resource', and 'Request context'. The table shows 'Allow (1 of 277 services) Show remaining 276'. The first row is 'S3', 'Full access', 'Multiple', and 'None'. Below the summary is a 'Tags' section. It has a table with columns 'Key' and 'Value'. The first row is 'bucket' and 'ewbdrive98'. At the bottom, there's a 'Required' section with a 'Cancel' button, a 'Previous' button, and a 'Create policy' button. The footer includes 'Feedback', 'English (US)', '© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.', 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

1 2 3

Create policy

Review policy

Name\* webdrive98-access  
Use alphanumeric and '+=, @, \_' characters. Maximum 128 characters.

Description  
Maximum 1000 characters. Use alphanumeric and '+=, @, \_' characters.

Summary

Filter

Service	Access level	Resource	Request context
Allow (1 of 277 services) Show remaining 276			
S3	Full access	Multiple	None

Tags

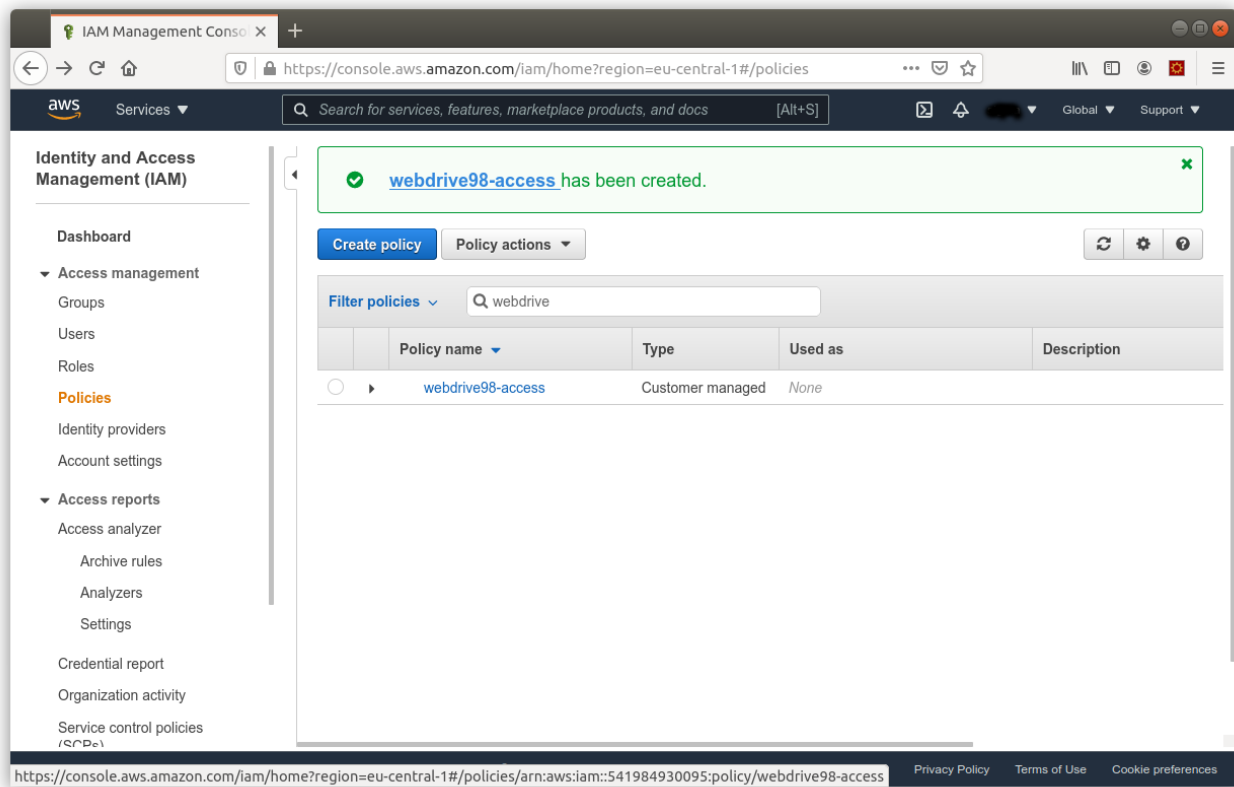
Key	Value
bucket	ewbdrive98

\* Required

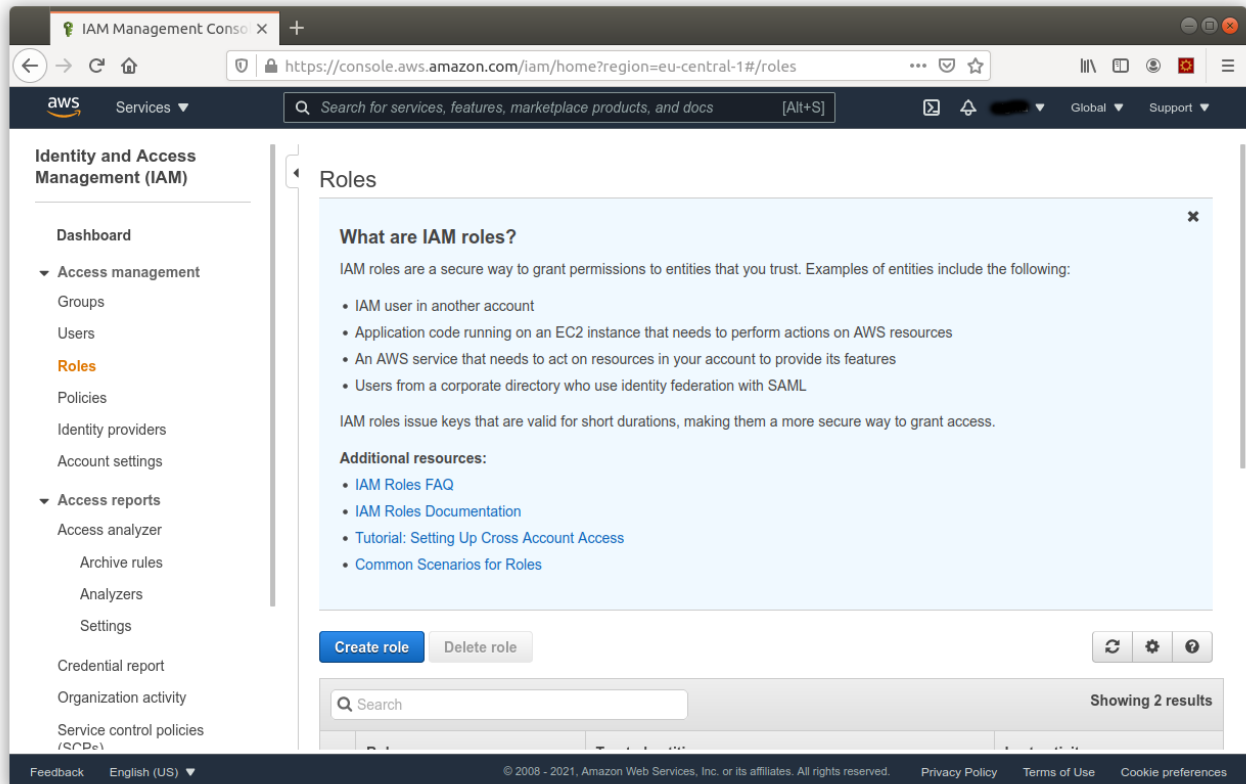
Cancel Previous Create policy

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You have the policy required by the IAM role, it will allow access to the S3 bucket.



Create the IAM role:



Press "Create role"

Chose EC2 service for the new role:

The screenshot shows the 'Create role' page in the AWS IAM Management Console. The browser address bar indicates the URL: `https://console.aws.amazon.com/iam/home?region=eu-central-1#/roles$new?step=ty`. The page title is 'Create role'. Below the title, there are four numbered steps: 1 (selected), 2, 3, and 4. The main heading is 'Select type of trusted entity'. There are four options: 'AWS service' (selected, with a blue border), 'Another AWS account', 'Web identity', and 'SAML 2.0 federation'. Below these options, a description states: 'Allows AWS services to perform actions on your behalf. [Learn more](#)'. The next section is 'Choose a use case'. Under 'Common use cases', there are two options: 'EC2' (selected) and 'Lambda'. Below these, there is a section 'Or select a service to view its use cases' with a grid of service links: API Gateway, CodeBuild, EMR, IoT SiteWise, RDS, AWS Backup, CodeDeploy, EMR Containers, IoT Things Graph, Redshift, AWS Chatbot, CodeGuru, ElastiCache, KMS, and Rekognition. At the bottom, there is a '\* Required' label, a 'Cancel' button, and a 'Next: Permissions' button.

Attach the required policy (one created earlier):

The screenshot shows the 'Create role' page in the AWS IAM Management Console, Step 2: Attach permissions policies. The browser address bar indicates the URL: `https://console.aws.amazon.com/iam/home?region=eu-central-1#/roles$new?step=pe`. The page title is 'Create role'. Below the title, there are four numbered steps: 1, 2 (selected), 3, and 4. The main heading is 'Attach permissions policies'. Below this, there is a sub-heading 'Attach permissions policies' and a description: 'Choose one or more policies to attach to your new role.' There is a 'Create policy' button and a refresh icon. Below these, there is a search bar with the text 'webdrive' and a 'Filter policies' dropdown. The search results show 'Showing 1 result'. Below this, there is a table with two columns: 'Policy name' and 'Used as'. The table has one row with the policy name 'webdrive98-access' and 'Used as' set to 'None'. At the bottom, there is a '\* Required' label, a 'Cancel' button, a 'Previous' button, and a 'Next: Tags' button.

## Add tags (not required)

The screenshot shows the 'Add tags (optional)' step in the AWS IAM 'Create role' wizard. The browser address bar shows the URL: `https://console.aws.amazon.com/iam/home?region=eu-central-1#/roles$new?step=tags`. The page has a dark header with the AWS logo and a search bar. The main content area is titled 'Create role' with a progress indicator showing steps 1, 2, 3 (current), and 4. Below the title, the section is 'Add tags (optional)'. A text block explains that IAM tags are key-value pairs and provides a link to 'Learn more'. Below this is a table with columns 'Key', 'Value (optional)', and 'Remove'. The first row has an input field with the placeholder 'Add new key' and an empty value field. A note below the table states 'You can add 50 more tags.' At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Next: Review'. The footer contains 'Feedback', 'English (US)', and copyright information.

Create role

1 2 3 4

Add tags (optional)

IAM tags are key-value pairs you can add to your role. Tags can include user information, such as an email address, or can be descriptive, such as a job title. You can use the tags to organize, track, or control access for this role. [Learn more](#)

Key	Value (optional)	Remove
<input type="text" value="Add new key"/>	<input type="text"/>	

You can add 50 more tags.

Cancel Previous Next: Review

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## Set the IAM role name:

The screenshot shows the 'Review' step in the AWS IAM 'Create role' wizard. The browser address bar shows the URL: `https://console.aws.amazon.com/iam/home?region=eu-central-1#/roles$new?step=review`. The page has a dark header with the AWS logo and a search bar. The main content area is titled 'Create role' with a progress indicator showing steps 1, 2, 3, and 4 (current). Below the title, the section is 'Review'. A text block instructs the user to 'Provide the required information below and review this role before you create it.' Below this are several fields: 'Role name\*' with the value 'webdrive98-role' and a note 'Use alphanumeric and '+,=, @, \_' characters. Maximum 64 characters.'; 'Role description' with the value 'Allows EC2 instances to call AWS services on your behalf.' and a note 'Maximum 1000 characters. Use alphanumeric and '+,=, @, \_' characters.'; 'Trusted entities' with the value 'AWS service: ec2.amazonaws.com'; 'Policies' with the value 'webdrive98-access' and a link icon; and 'Permissions boundary' with the value 'Permissions boundary is not set'. At the bottom left, it says 'No tags were added.' At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Create role'. The footer contains 'Feedback', 'English (US)', and copyright information.

Create role

1 2 3 4

Review

Provide the required information below and review this role before you create it.

Role name\*

Use alphanumeric and '+,=, @, \_' characters. Maximum 64 characters.

Role description

Maximum 1000 characters. Use alphanumeric and '+,=, @, \_' characters.

Trusted entities AWS service: ec2.amazonaws.com

Policies [webdrive98-access](#)

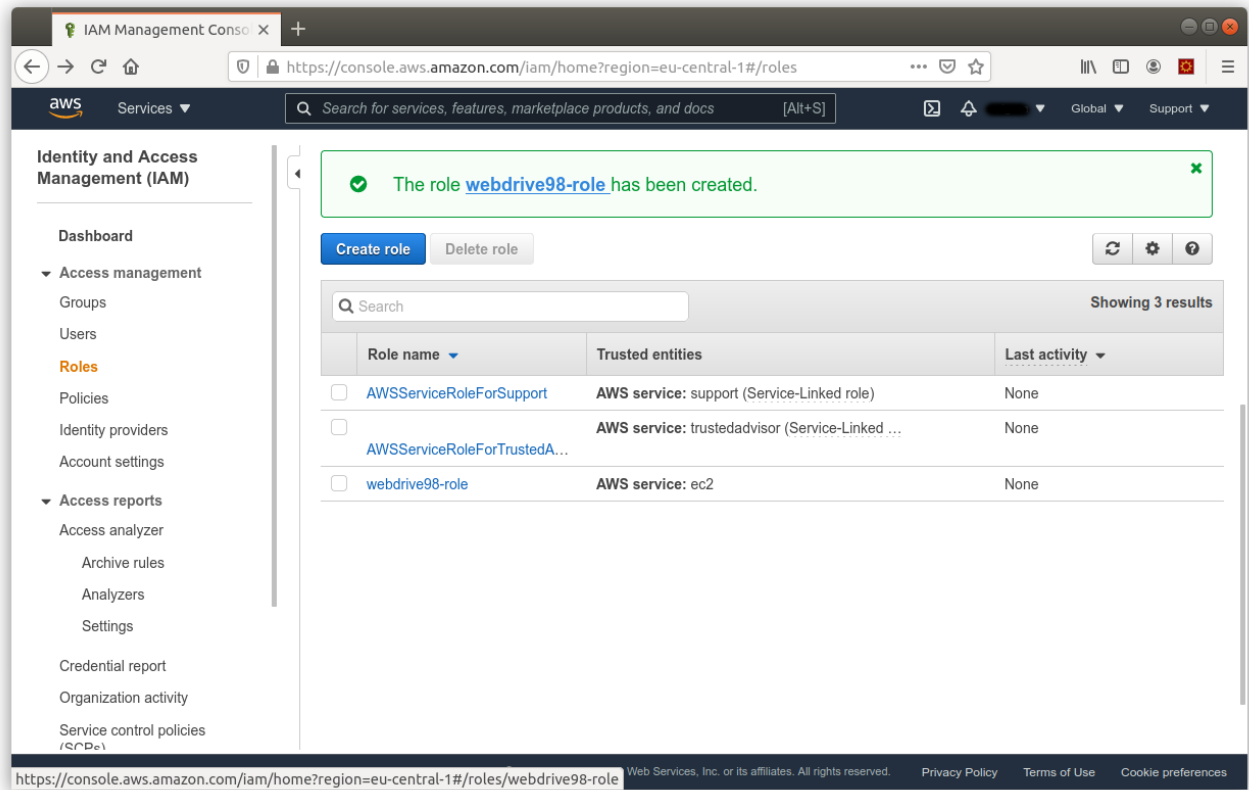
Permissions boundary Permissions boundary is not set

No tags were added.

\* Required Cancel Previous Create role

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That is, you have set the required IAM role:



Notes: