

AWS Setup for using Amazon Comprehend.

## Creation of an IAM user on AWS

Use the AWS Console and browse to Users, create a new user Comprehend.

The screenshot shows the AWS IAM console 'Add user' wizard. At the top, there are buttons for 'Add user' and 'Delete user'. Below is a search bar with the text 'Find users by username or access key' and a 'Showing 2 results' indicator. A table lists existing users with columns for 'User name', 'Groups', 'Access key age', 'Password age', 'Last activity', and 'MFA'. The main section is titled 'Add user' with a progress indicator showing 5 steps. Step 1, 'Set user details', is active. It includes a 'User name' field with the value 'comprehend' and an 'Add another user' link. The 'Select AWS access type' section has two options: 'Programmatic access' (checked) and 'AWS Management Console access' (checked). The 'Console password' section has two options: 'Autogenerated password' (unchecked) and 'Custom password' (checked), with a password field containing '\*\*\*\*\*' and a 'Show password' link. The 'Require password reset' section has a checkbox checked and a description: 'User must create a new password at next sign-in. Users automatically get the `AWUserChangePassword` policy to allow them to change their own password.' At the bottom, there are 'Cancel' and 'Next: Permissions' buttons.

**Add user**

Find users by username or access key Showing 2 results

User name	Groups	Access key age	Password age	Last activity	MFA
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**Add user** 1 2 3 4 5

**Set user details**

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name\* comprehend

[Add another user](#)

**Select AWS access type**

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

**Access type\***

- ☒ **Programmatic access**  
Enables an access key ID and secret access key for the AWS SDK, CLI, SDK, and other development tools.
- ☒ **AWS Management Console access**  
Enables a password that allows users to sign-in to the AWS Management Console.

**Console password\***

- ☐ Autogenerated password
- ☒ Custom password  
\*\*\*\*\*  
[Show password](#)

**Require password reset\*** ☒ User must create a new password at next sign-in.  
Users automatically get the `AWUserChangePassword` policy to allow them to change their own password.

\* Required Cancel **Next: Permissions**

Make sure you have checked the Programmatic Access, Console access may be required if you are planning to provision services such as S3 to store your documents(collection)

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**Add user** 1 2 3 4 5

**Set permissions**

**Add user to group** **Copy permissions from existing user** **Attach existing policies directly**

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

**Add user to group**

Create group Refresh

Search Showing 1 result

Group	Attached policies
<input checked="" type="checkbox"/> Developers	AdministratorAccess

**Set permissions boundary**

Cancel Previous **Next: Tags**

Add User – Comprehend to the group Developers by selecting the group.

**Add user** 1 2 3 4 5

**Add tags (optional)**

Use tags to organize, track, or control access for this user. [Learn more](#)

Key	Value (optional)	Remove
comprehend		<input checked="" type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

You can add 49 more tags

Cancel Previous **Next: Review**

Add tags which are a key value pair to the user, Value is optional. We have used comprehend as the tag.

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**Add user** 1 2 3 4 5

**Review**

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

**User details**

User name	comprehend
AWS access type	Programmatic access and AWS Management Console access
Console password type	Custom
Require password reset	Yes
Permissions boundary	Permissions boundary is not set

**Permissions summary**

The user shown above will be added to the following groups:

Type	Name
Group	Comprehend

Managed policy: [IAMUserChangePassword](#)

**Tags**

The new user will receive the following tag:

Key	Value
comprehend	comprehend

[Cancel](#) [Previous](#) [Create user](#)

Review the IAM user setup before creating the user.

**Add user** 1 2 3 4 5

**Success**

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign in at: <https://337706642175.signin.aws.amazon.com/console>

[Download user](#)

User	Access key ID	Secret access key	Email login instructions
comprehend	AKIAJRDUJXVWTH3D7G	***** <a href="#">Show</a>	<a href="#">Send email</a> <a href="#">?</a>

[Close](#)

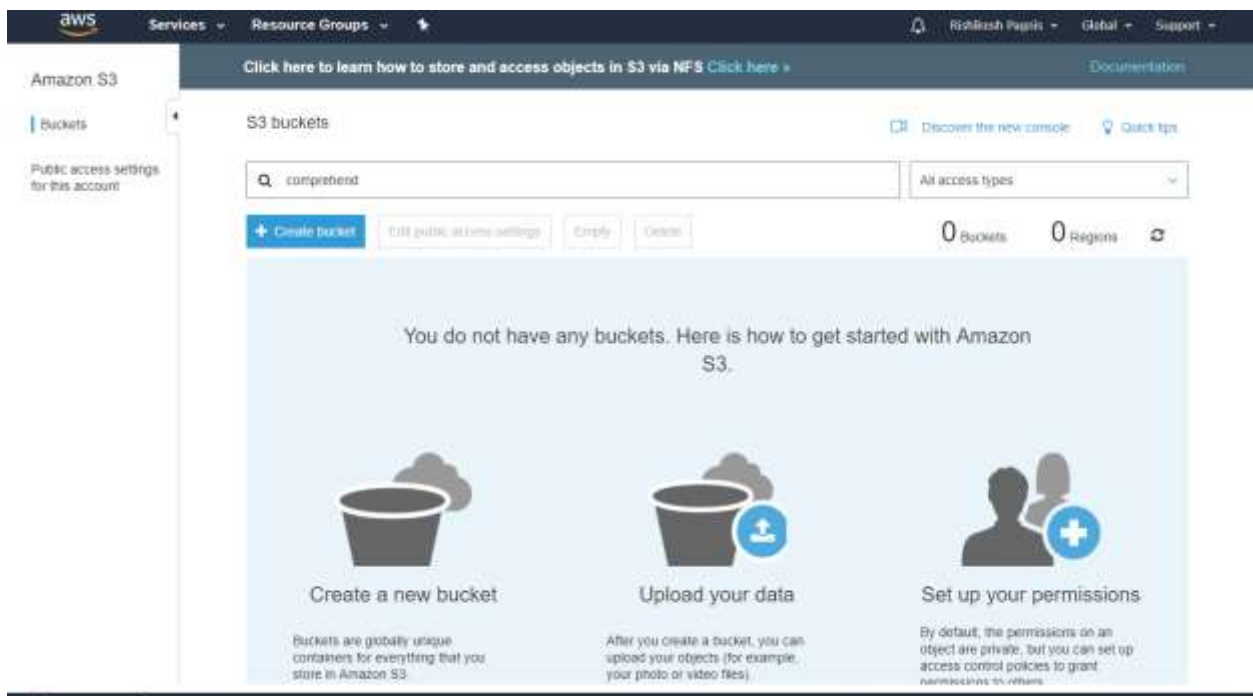
Click Close, you should now be able to see the user that you have created in the user list as below:

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## Creation of S3 Bucket

The next step is to create a S3 bucket to store your documents which can be done using the following steps:



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The screenshot shows the 'Create bucket' wizard in the AWS Management Console. The title bar is blue with the text 'Create bucket' and a close button. Below the title bar is a progress bar with four steps: 1. Name and region (active), 2. Configure options, 3. Set permissions, and 4. Review. The main content area is dark blue and contains the following fields: 'Bucket name' with the value 'rpcomprehend', 'Region' with a dropdown menu showing 'US West (Oregon)', and 'Copy settings from an existing bucket' with a dropdown menu showing 'Select bucket (optional)'. At the bottom, there are three buttons: 'Create', 'Cancel', and 'Next'.

You can then configure options

The screenshot shows the 'Create bucket' wizard in the AWS Management Console, specifically the 'Configure options' step. The title bar is blue with the text 'Create bucket' and a close button. Below the title bar is a progress bar with four steps: 1. Name and region, 2. Configure options (active), 3. Set permissions, and 4. Review. The main content area is dark blue and contains the following sections: 'Versioning' with a checkbox 'Keep all versions of an object in the same bucket' (unchecked), 'Server access logging' with a checkbox 'Log requests for access to your bucket' (checked), 'Target bucket' with a dropdown menu showing 'rpcomprehend', 'Target prefix' with a text input field containing 'Enter target prefix', and 'Tags' with a section header 'You can use tags to track project costs' and two tag input fields: 'project' and 'rpcomprehend'. At the bottom right, there are two buttons: 'Previous' and 'Next'.

You need not change anything on the next screen, other granting access to Amazon S3 Log Delivery Group for creation of Access logs:

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Create bucket

1 Name and region 2 Configure options 3 Set permissions 4 Review

Use the Amazon S3 block public access settings to enforce that buckets don't allow public access to data. You can also configure the Amazon S3 block public access settings at the account level. [Learn more](#)

**Manage public access control lists (ACLs) for this bucket**

- ☒ Block new public ACLs and uploading public objects (Recommended)
- ☒ Remove public access granted through public ACLs (Recommended)

**Manage public bucket policies for this bucket**

- ☒ Block new public bucket policies (Recommended)
- ☒ Block public and cross-account access if bucket has public policies (Recommended)

**Manage system permissions**

Grant Amazon S3 Log Delivery group write access to this bucket

Previous Next

Review your S3 Bucket Settings:

Create bucket

1 Name and region 2 Configure options 3 Set permissions 4 Review

**Name and region** Edit

Bucket name: rpcomprehend Region: US West (Oregon)

**Options** Edit

Versioning	Disabled
Server access logging	Enabled
Tagging	1 Tags
Object-level logging	Disabled
Default encryption	None
CloudWatch request metrics	Disabled
Object lock	Disabled

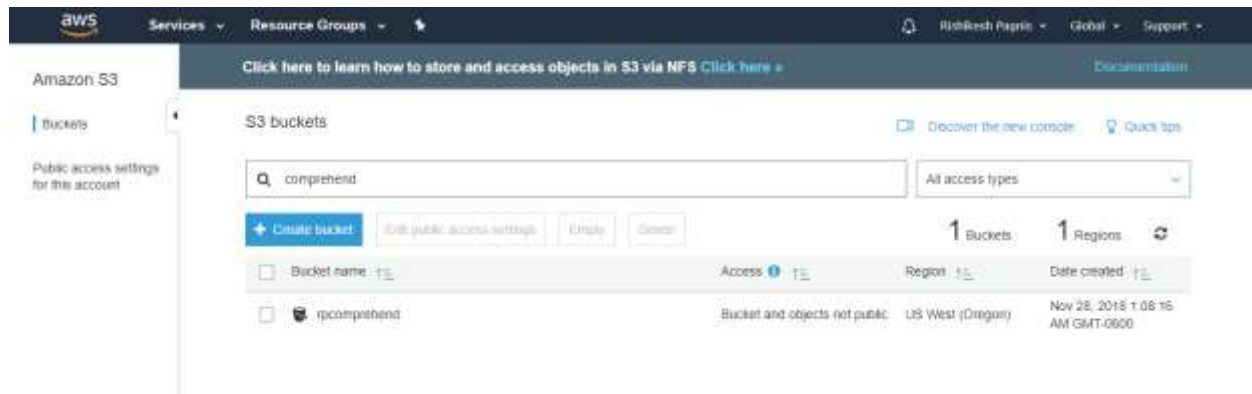
**Permissions** Edit

Block new public ACLs and uploading public objects	True
Remove public access granted through public ACLs	True
Block new public bucket policies	True
Block public and cross-account access if bucket has public policies	True
System permissions	Enabled

Previous Create bucket

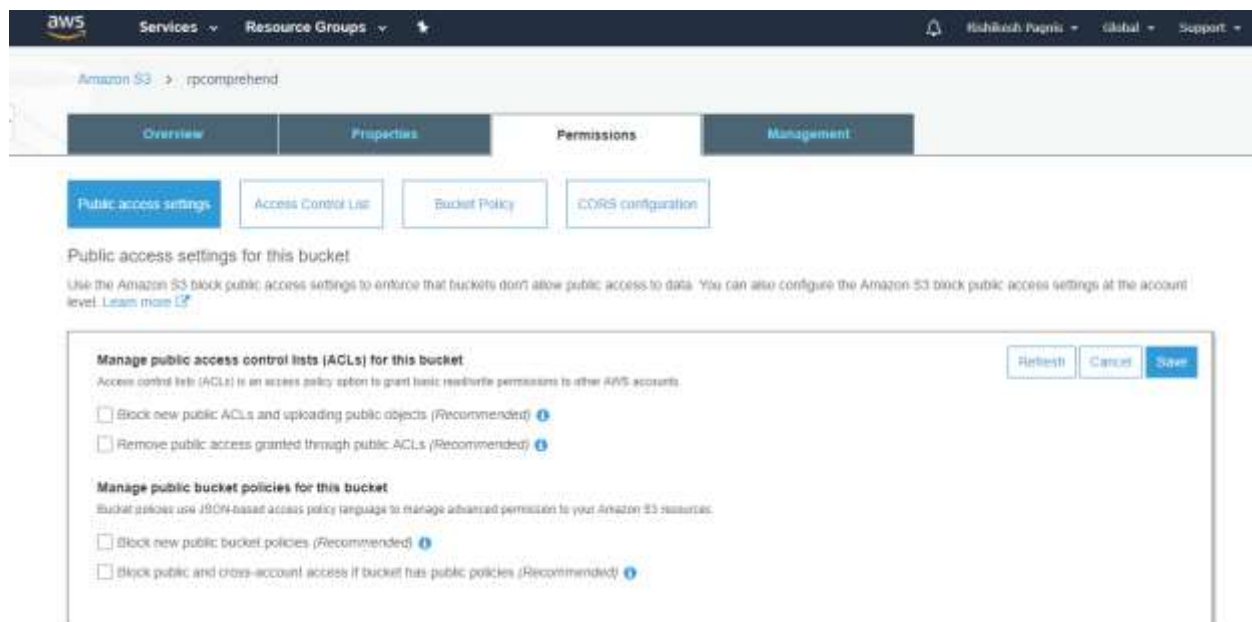
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You should now be able to see the newly created bucket.



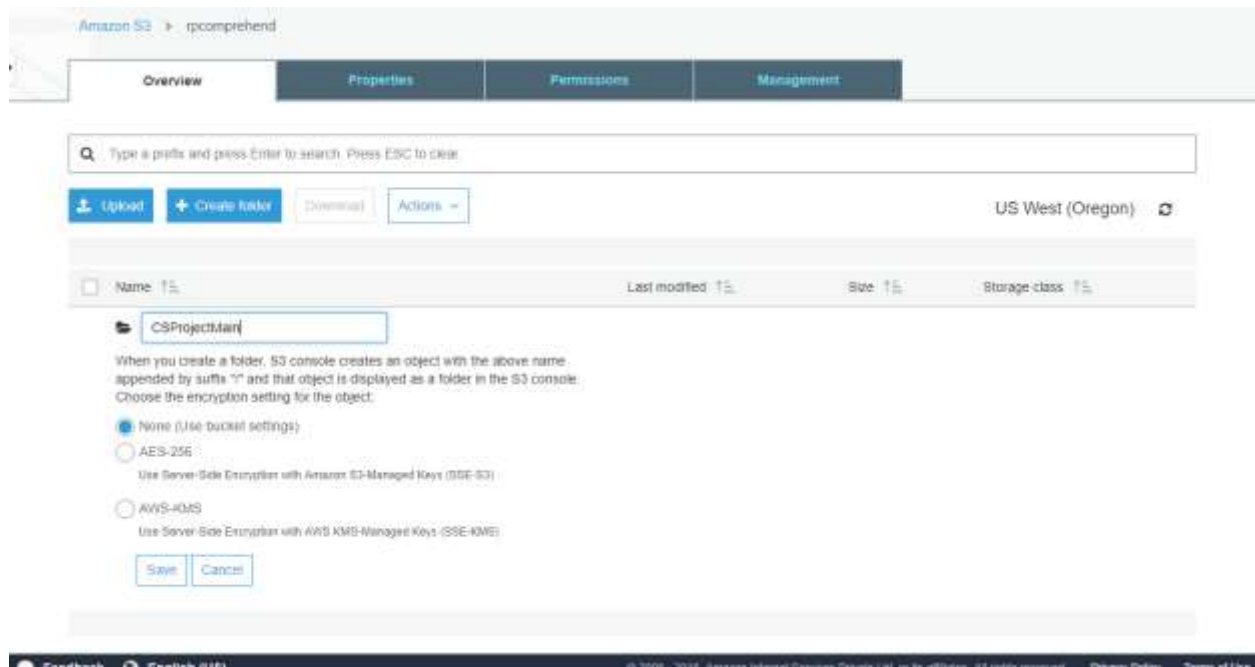
To have a public access to the bucket,

Click on the bucket and open permissions, edit permissions if you need public access.



## AWS Setup for using Amazon Comprehend.

### Create a folder CSProjectMain



Upload your collection that you want to analyze to this folder: Folder permissions may need to be changed to access the folder from outside the environment. Use the make public setting for folder to do the same.

