

AI Translation with Amazon AWS Translate

Introduction

Infradox has implemented an AI Translation interface in Infradox XS websites. This allows you to make use of 3rd party AI API's to automatically translate metadata of the assets on your website into other languages.

This document describes what you need to do to allow the use of the AWS Translate API from Amazon in your Infradox website.

Prerequisites

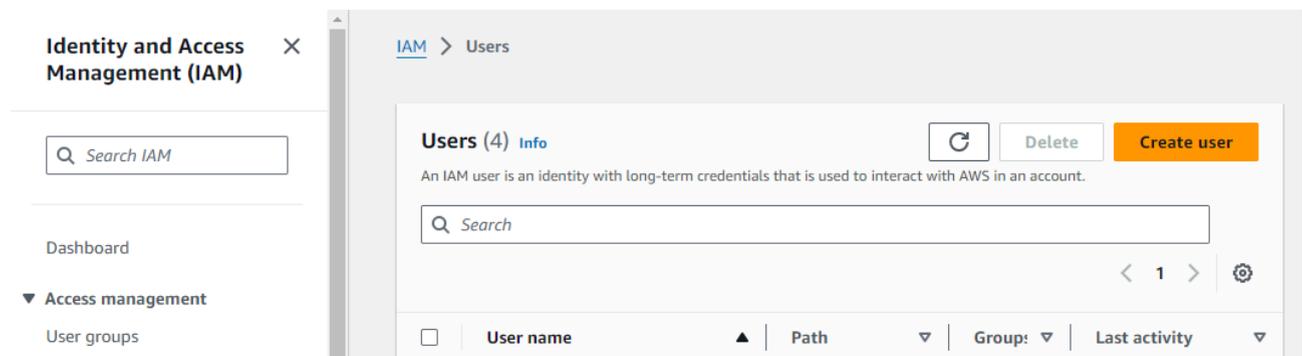
To start with, you'll need to register an account with Amazon Web Services (AWS) if you don't already have an account there. Please visit <https://aws.amazon.com> to create an account.

Enable Amazon Translate

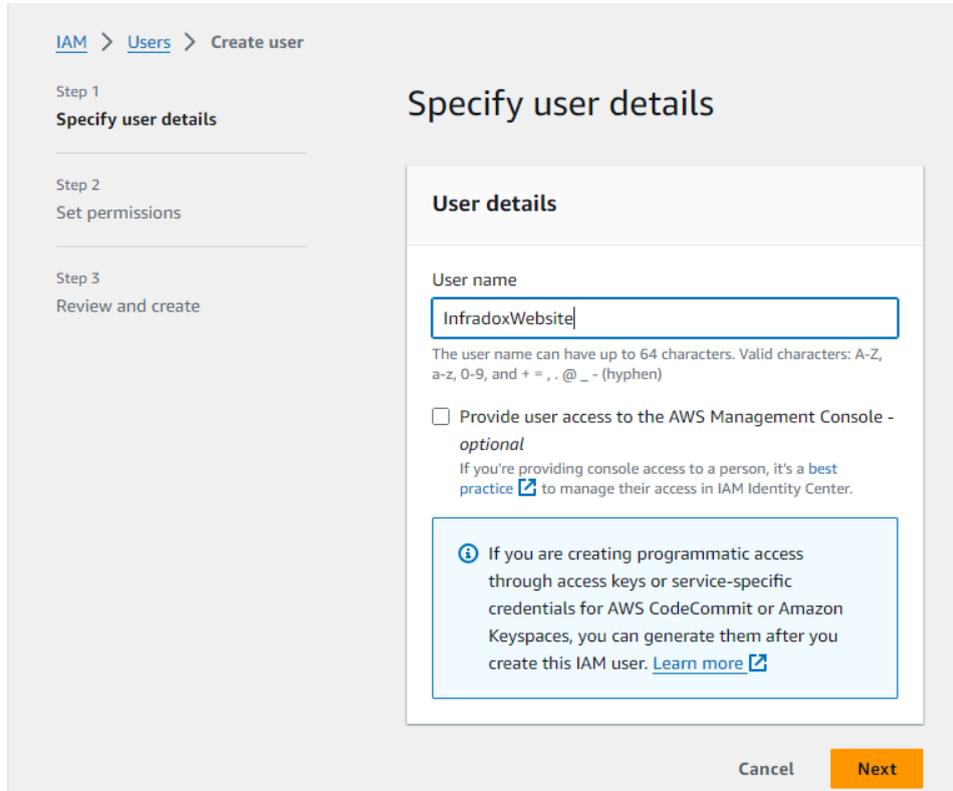
Once you have your AWS account set up, you can enable Amazon Rekognition. To do so, visit <https://aws.amazon.com/rekognition/resources> and follow these steps described in the **Get Started** section:

Step 1 - Create an AWS Account and User in IAM

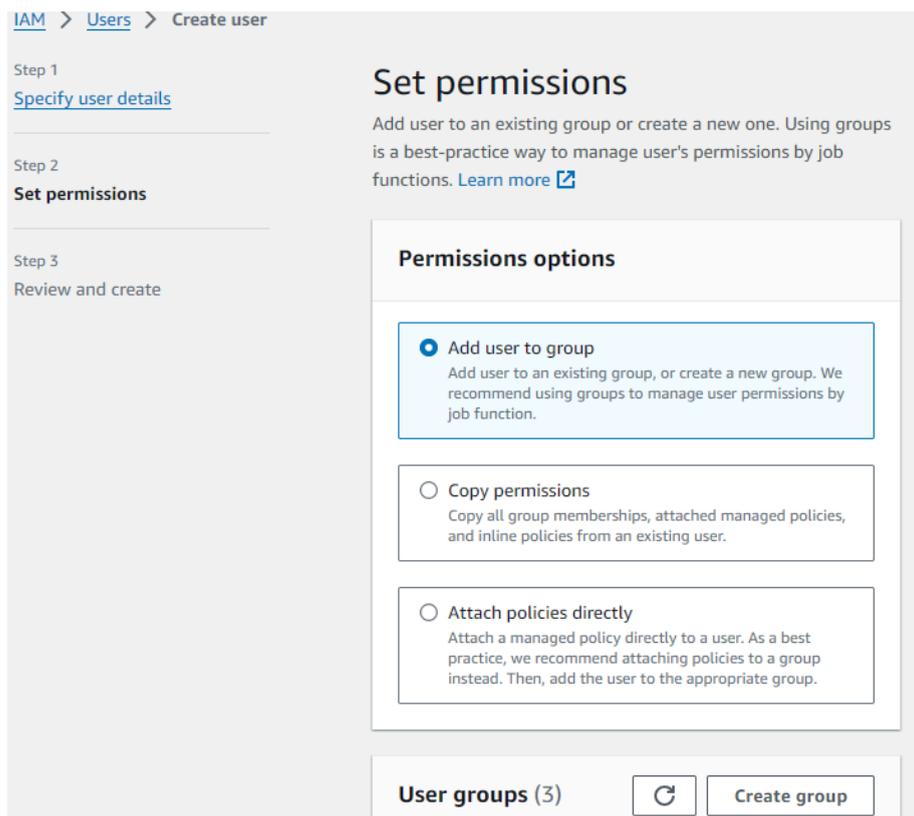
After creating your AWS account and logging in, go to the Identity and Access Management (IAM) console:



There you can create a (new) user and accesskey that can be used by your website to access the AWS Translate API:



Leave the *Provide user access to the AWS Management Console* option unchecked. On the next page, choose the *Add user to group* option and use the *Create group* button to create it:



Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

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

Add users to the group - *Optional* (4) [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.

 User name [↗](#)
 Groups
 Last activity

Attach permissions policies - *Optional* (1/927) [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.

Filter by Type

2 matches

<input type="checkbox"/>	<input type="checkbox"/>	Policy name	Type	Used as	Description
<input type="checkbox"/>	<input type="checkbox"/>	TranslateFullAccess	AWS managed	None	Provides full access to A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	TranslateReadOnly	AWS managed	Permissio...	Provides read-only acces

Assign the policy *TranslateReadOnly* to the user group; this will allow the users in this group to access the API to translate text into other languages.

Click the *Create user group* button and select the created user group in the create user screen when you're returned to the create user page.

Alternatively, you can also link the policy directly to the new user account:

Set permissions

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](#)

Permissions options

Add user to group

Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

Copy permissions

Copy all group memberships, attached managed policies, and inline policies from an existing user.

Attach policies directly

Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1/1199)



[Create policy](#)

Choose one or more policies to attach to your new user.

translate

Filter by Type

All types

2 matches

< 1 >

<input type="checkbox"/>	Policy name	Type	Attached entities
<input type="checkbox"/>	TranslateFullAccess	AWS managed	0
<input checked="" type="checkbox"/>	TranslateReadOnly	AWS managed	1

Review and create the account:

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
TranslateUser	None	No

Permissions summary

< 1 >

Name	Type	Used as
TranslateReadOnly	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.

[Add new tag](#)

You can add up to 50 more tags.

Cancel Previous **Create user**

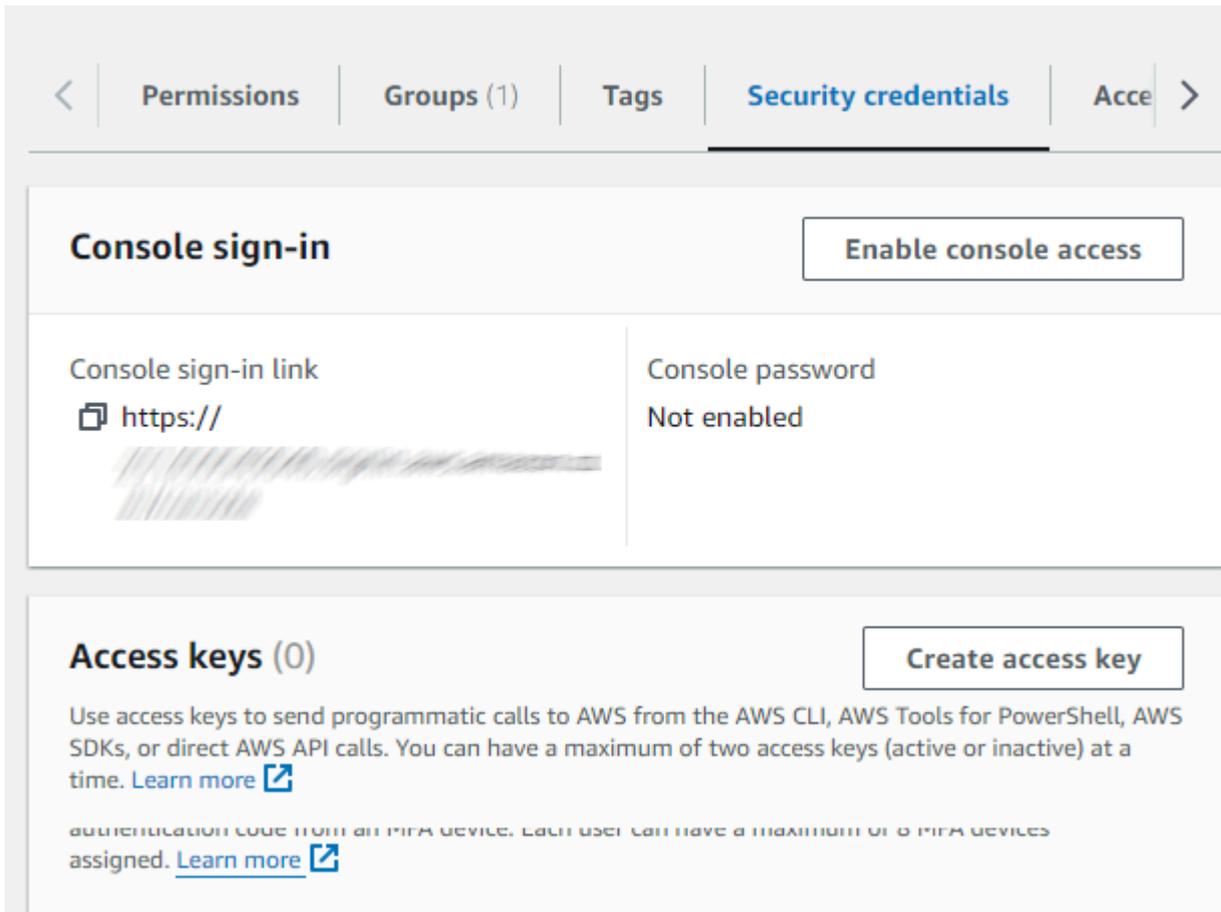
After the user has been created, click the View user button:

User created successfully

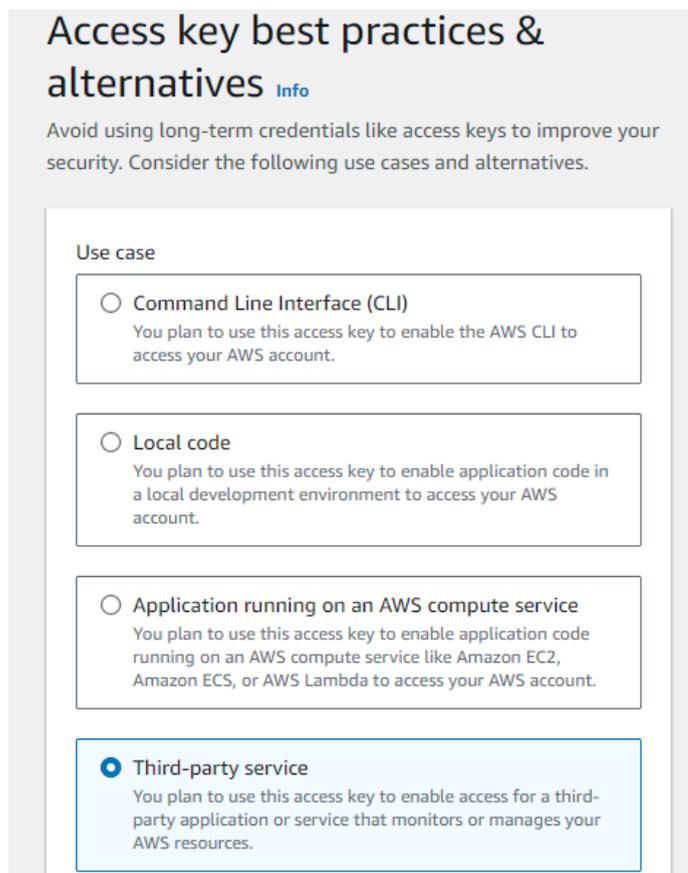
You can view and download the user's password and email instructions for signing in to the AWS Management Console.

[View user](#)

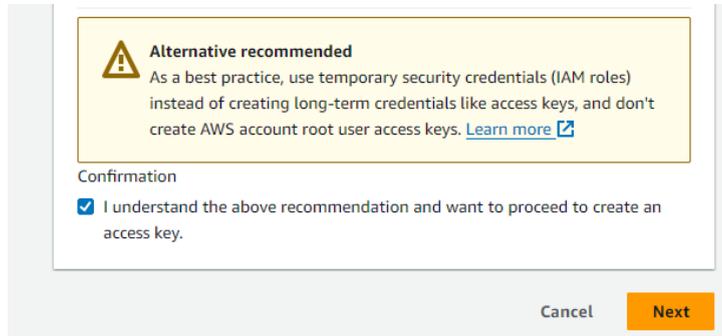
On the user details page, click the *Security credentials* tab and click the *Create access key* button to create an API access key:



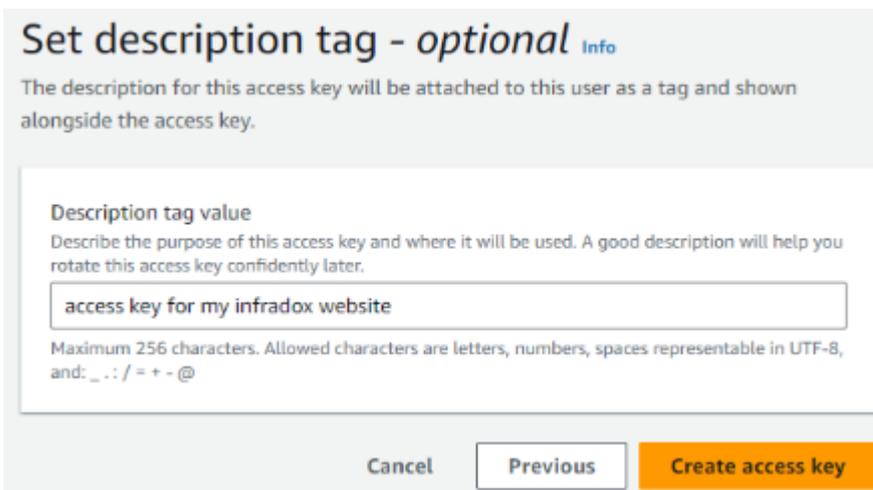
On the create access key page, choose *Third-party service*:



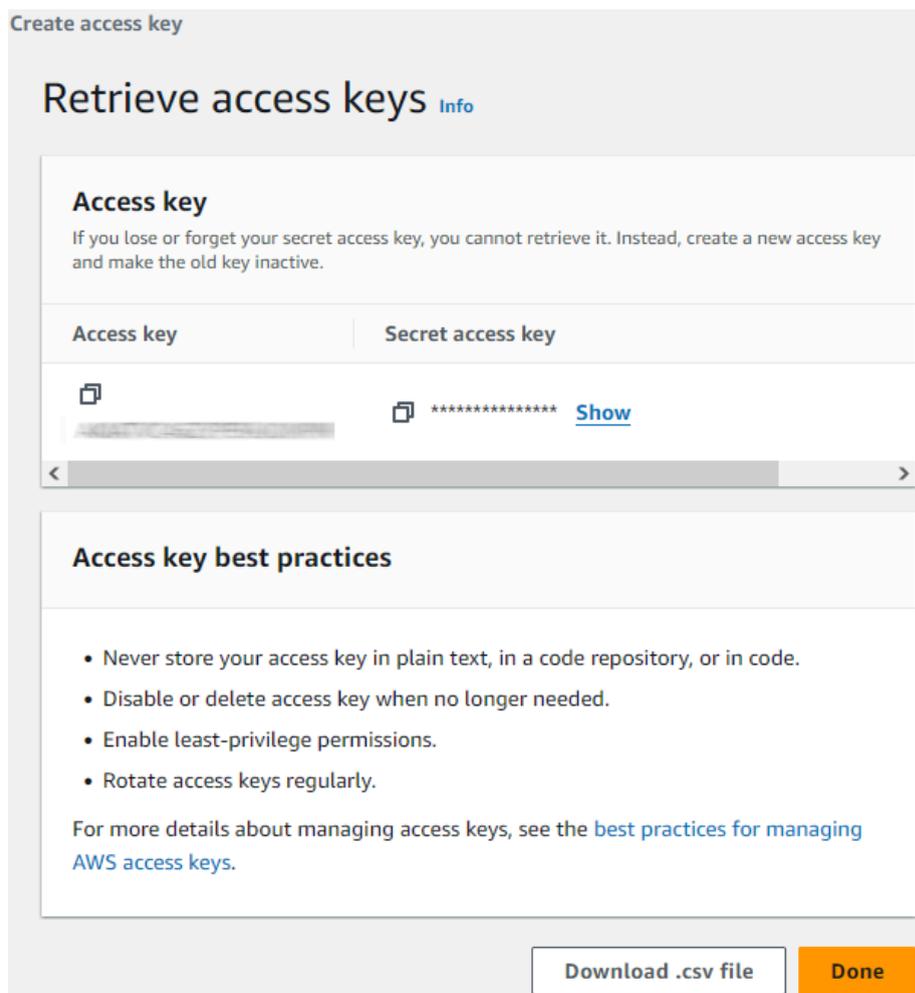
You can ignore the warning message as this is not a root account and it has just read-only access to the Translate API only.
Also creating temporary keys would require you to regularly generate a new key and make sure it's updated on the website too.



After clicking the *Next* button, you can add a description for the key:



When you click *Create access key*, the key will be generated:



You'll need to provide us with these keys (both Access key and Secret access key) to set up the Translate API in your website.

We'll also need to know which AWS region and endpoint you'll be using, e.g.:

Region: eu-west-1

Endpoint: eu-west-1.amazonaws.com