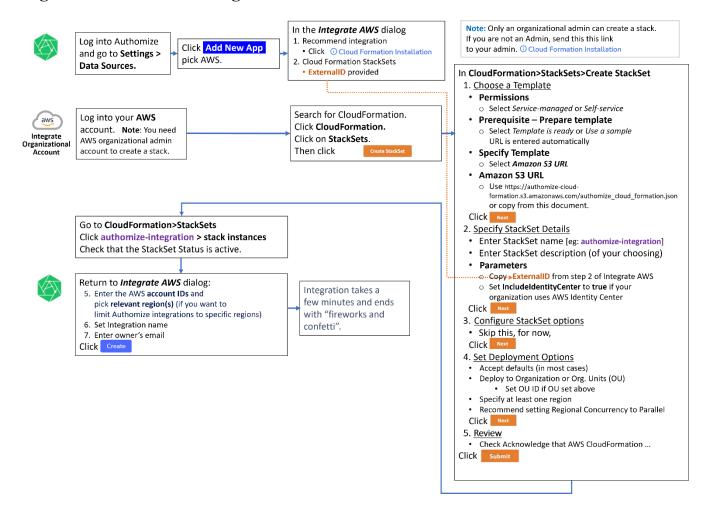
AWS CloudFormation for an organizational account

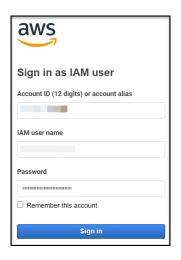
Organizational account integration workflow



Open both Authomize and AWS

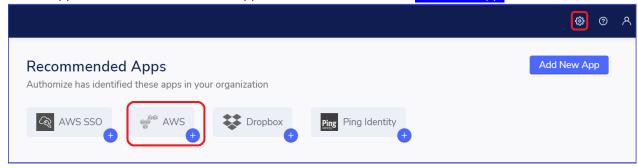
Log into Authomize and AWS in separate windows.



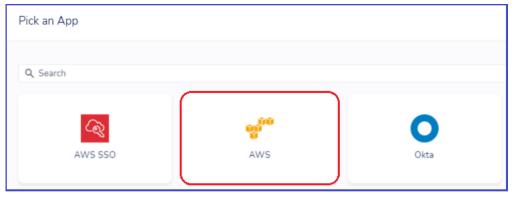


Preparing the AWS Integration in Authomize

- 1. Go to **Settings > Data Sources**.
- 2. If AWS appears under Recommended Apps, click it. Otherwise, Click Add New App.



3. Select AWS.



Note: AWS IAM Identity Center (old AWS SSO) will be installed alongside AWS when the *Include AWSIdentityCenter* parameter is set in AWS.

4. When the *Integrate AWS* dialog appears, click the Cloud Formation Installation button. If you do not have CloudFormation and Role creation privileges, send the link (along with a request to create an *Authomize-Trust-Role*) to your AWS admin.

Creating an Authomize StackSet on AWS

If you are already logged into AWS, the **CloudFormation>Stacks>Create stack** dialog will open in AWS after clicking on its link (① Cloud Formation Installation).

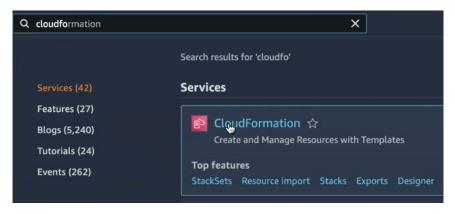


The Template URL is entered automatically by Authomize. You will need this URL later:

 $\verb|https://authomize-cloud-formation.s3.amazonaws.com/authomize_cloud_formation.json|\\$

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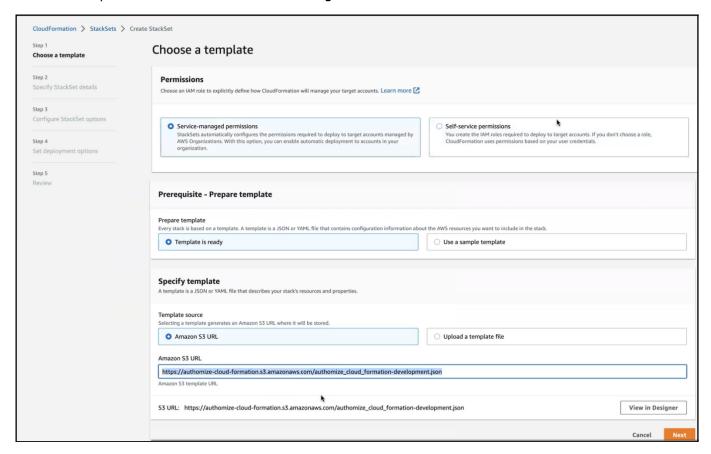
In the search field, on the menu bar, enter CloudFormation. Click CloudFormation then go to StackSets



Click Create StackSet .

Alternatively, go directly to click Create StackSet

Follow the steps below to create an Authomize-Integration stackset on AWS:



Fill in the fields as follows:

Step 1 Choose a Template

Permissions

Select either **Service-managed permissions** or **Self-service permissions**.

Prerequisite - Prepare template

Select either **Template is ready** or **Use a sample template.**

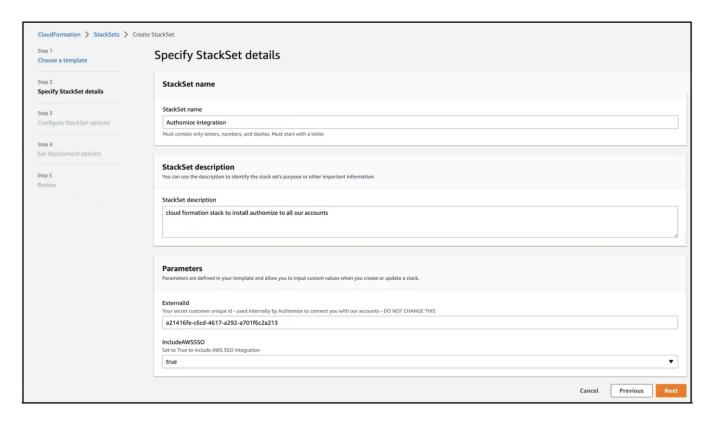
Specify Template

Select Amazon S3 URL.

In the Amazon S3 URL field, enter the following URL:

 $\verb|https://authomize-cloud-formation.s3.amazonaws.com/authomize_cloud_formation.json| \\$

Click Next to go to the **Specify StackSet details** section.



Step 2 Specify StackSet details

StackSet name

Enter a StackSet name [such as Authomize-integration].

StackSet description

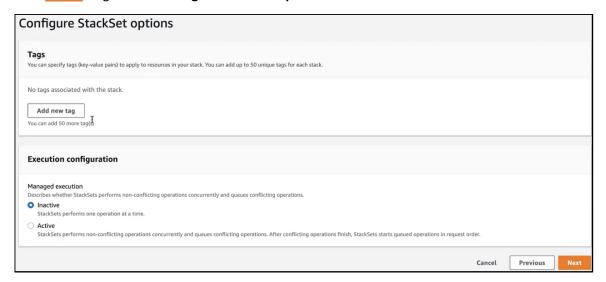
Enter a description of your choosing.

Parameters

Enter the ExternalID from Authomize's Integrate AWS page

Enter true in the IncludeAWSSSO field if your organization uses AWS Identity Center

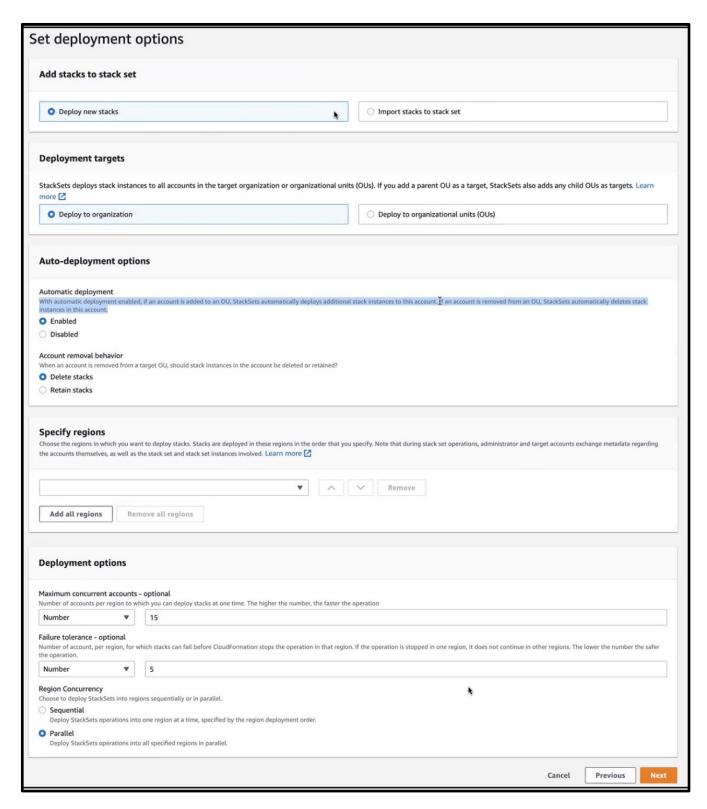
Click Next to go to the **Configure StackSet options** section.



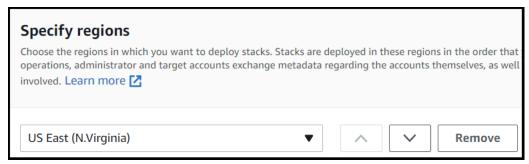
Step 3 Configure StackSet options

Skip step 3 for now.

Click **Next** to go to the **Set Deployment Options** section.



For example:



Step 4 Set Deployment options

Add stacks to stack set

Select either **Deploy new stacks** or **Import stacks to stack set.**

Deployment targets

Select either **Deploy to organization** or **Deploy to organization units (OUs).**

If you picked **OUs**

Set the **OU ID** to [your account]

Auto-deployment options

Skip these options.

Specify Regions

If you leave the regions field empty, all regions (in your organization) will be included.

If you specify one or more regions, data will be fetched only from those regions.

Note: Do **not** install Authomize CloudFormation on Africa (Cape Town), Asia Pacific (Hong Kong), Asia Pacific (Jakarta), Europe (Milan), Middle East (UAE), or Middle East (Bahrain).

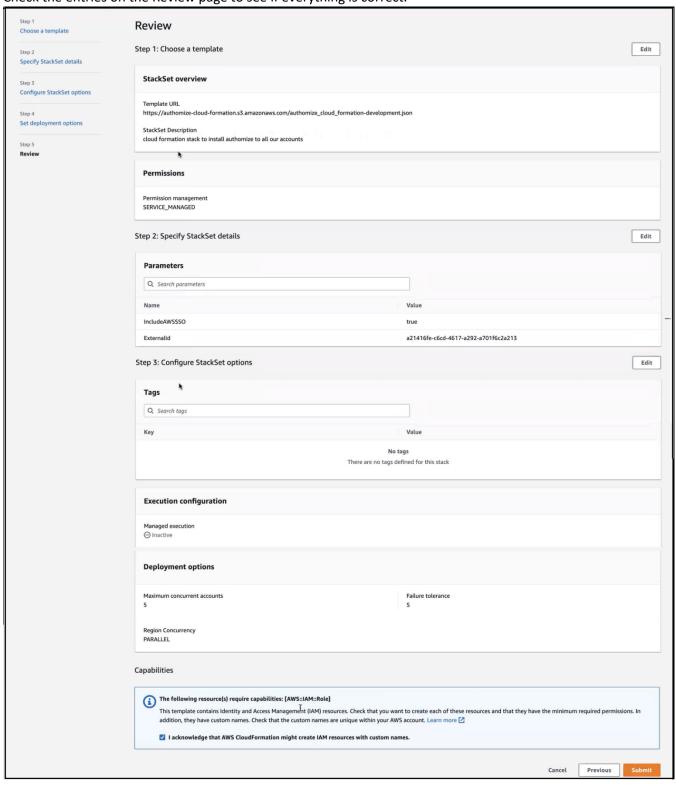
Deployment options

Enter a number of concurrent accounts and failure tolerance.

Select parallel Region Concurrency for faster processing.

Click Next to go to the **Review** section.

Check the entries on the Review page to see if everything is correct.

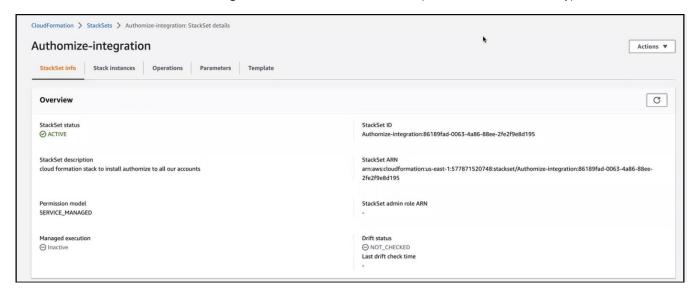


Check the I acknowledge that AWS CloudFormation might create IAM resources with custom names.

Click Submit to create a StackSet.

Go to CloudFormation>StackSets options

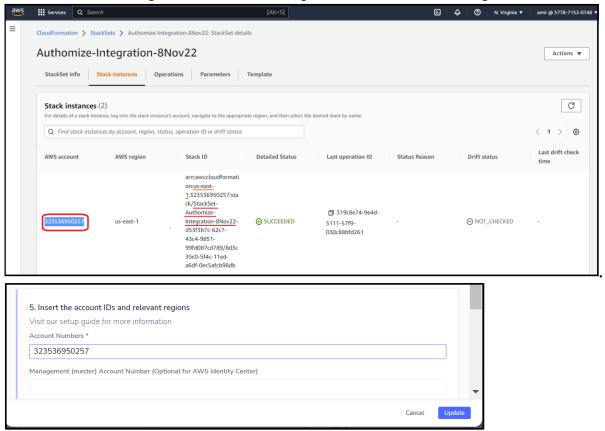
Check if the Authomize-integration StackSet status is active (was created successfully).



Complete the Integration

In the Integrate AWS dialog:

5. Insert comma delimited **Account Numbers** (copied from Authomize-Integration StackSet) in the Account number field. The Management Account number goes in the Account **and** Management fields



- 4. Skip step 4.
- Insert comma delimited Account Numbers (copied from Authomize-Integration StackSet) in the Account Number field.

Insert the **Management Account** number only if you want to integrate the AWS Identity Center. This assumes:

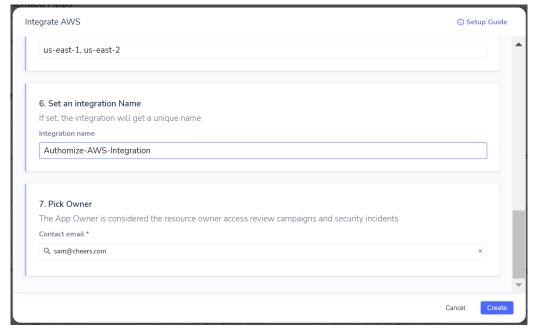
- the role is installed on the management account
- the role includes AWS Identity Center permission.

If you insert a Management Account, that account number must be included (in comma delimited format) in the **Account Number** field.

If you leave the **Regions** field empty, all regions (in your organization) will be included. If you specify one or more regions, data will be fetched only from those regions.

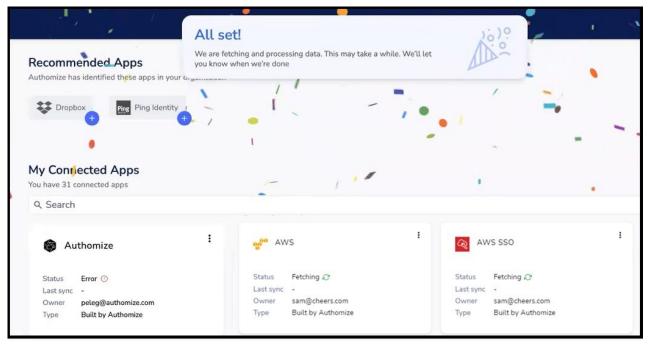
Skip the Assumed Role.

- 6. Enter an Integration name.
- 7. Enter Owner's email.



Click Create...

If all goes well, you will see this:



Notice that AWS and AWS SSO were added to your Connected Apps.

AWS IAM Identity Center

The AWS IAM Identity Center (previously known as AWS SSO) is an authentication solution that allows users to log in to multiple applications and websites with one-time user authentication.

- It is integrated with Authomize alongside AWS, when **IncludeAWSSSO** is set to **true** in the Specify StackSet Details page. It is only relevant if your organization uses *IAM Identity Center* (AWS SSO)
- If installed on an individual account, only mark as true in the management account.
- When checking this option Authomize requests two extra permissions: AWSSSOReadOnly, AWSSSODirectoryReadOnly