Administrator Guide

Amazon CodeCatalyst



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Amazon CodeCatalyst: Administrator Guide

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Who is this guide for?

This guide is for users with the **Space administrator** role who want to set up and administer Amazon CodeCatalyst spaces. An *Amazon CodeCatalyst space*, or simply a *space*, is a logical container for one or more related projects, and includes settings not related to a particular project, such as billing and single sign-on (SSO) settings. Spaces are usually named after your company, department, or group.

This guide describes how to perform the following space-related setup and administration tasks:

- Setting up spaces
- Deleting Builder ID spaces
- Inviting users to a Builder ID space
- Performing management activities on federated (SSO) spaces
- Enabling generative AI features in your space
- Connecting an Amazon VPC to your space
- · Viewing and changing billing information
- Viewing and configuring your user profile

For all other tasks, see the Amazon CodeCatalyst User Guide.

For more information about CodeCatalyst, see <u>What is Amazon CodeCatalyst?</u> in the *Amazon CodeCatalyst User Guide*.

1

Concepts

Get familiar with the key concepts for administration in CodeCatalyst. These concepts include terms used in supporting access, user management, and identity federation.

Topics

- AWS Builder ID spaces in CodeCatalyst
- Spaces that support identity federation in CodeCatalyst
- Identity provider (IdP)
- Identity source
- Identity store
- Single sign-on (SSO)
- Identity Center application
- Instance in IAM Identity Center
- Organization instance in IAM Identity Center
- Account instance in IAM Identity Center
- How do spaces work with identity federation and SSO

AWS Builder ID spaces in CodeCatalyst

The **Space administrator** adds users to CodeCatalyst by sending individual emails from the members page. Users who are invited or sign up to CodeCatalyst create their own AWS Builder ID. The profile is managed in AWS Builder ID and displays as the user name and profile information in the user settings in CodeCatalyst.

Spaces that support identity federation in CodeCatalyst

Users who have been added to the SSO users and groups for the IAM Identity Center instance and are managed in the identity store and are added to your space through IAM Identity Center. The **Space administrator** syncs the CodeCatalyst members page for the latest updates. Users sign in using the SSO sign-in portal as set up in the instance in IAM Identity Center for your company. Spaces that support identity federation are connected to the identity store through the Identity Center application and its mapping to the identity store ID. For more information, see <u>Setting up a space that supports identity federation</u>.

Identity provider (IdP)

When you add single sign-on access to an AWS account, IAM Identity Center creates an identity provider. An identity provider helps keep your AWS account secure because you don't have to distribute or embed long-term security credentials, such as access keys, in your application.

Identity source

With IAM Identity Center, you can manage your identities in your preferred identity source. While you can change your identity source, you can have only one directory or one SAML 2.0 identity provider connected to IAM Identity Center at any given time. For information about supported providers, see Supported identity providers.

Important

Dev Environments aren't available for users in spaces where Active Directory is used as the identity provider. When planning a space where the identity provider will be Active Directory, note that users will not be able to use Dev Environments. For more information, see I can't create a Dev Environment when I'm signed into CodeCatalyst using a single signon account.



Note

CodeCatalyst spaces with identity federation can support service providers that are supported by IAM Identity Center. CodeCatalyst inherits the identity source that is managed in IAM Identity Center. For more information, see Manage your identity source.

Identity store

Your provider in IAM Identity Center uses an identity store where federated identities are managed. The identity store ID is associated with your enabled IAM Identity Center instance and represents your company's association through your application. The identity store in IAM Identity Center is where your federated identities are managed. Members are shown in the CodeCatalyst member lists for your space. Your Identity Center application is associated with at least one identity store ID

Identity provider (IdP) 3

and instance ID in IAM Identity Center. Deleting the IAM Identity Center instance invalidates your Identity Center application.

Single sign-on (SSO)

Single sign-on allows users to sign in to multiple applications by signing in to a single page. SSO support for spaces in CodeCatalyst is managed across domains for each identity store or external provider that is connected as a company to the CodeCatalyst space. A user whose company has been onboarded to a CodeCatalyst space can use SSO to enter their sign-in credentials on a single sign-in page to access CodeCatalyst and all other SaaS applications.



Note

SSO configuration for CodeCatalyst is not associated with an AWS Builder ID. The association is through the AWS account for the space.

Identity Center application

An Identity Center application is an association between your CodeCatalyst space and IAM Identity Center. The Identity Center application allows users from your company directory to sign in to CodeCatalyst, so your application name will represent your company and will be visible for selection as an option where users from a workforce directory will access CodeCatalyst. As part of creating a space that supports identity federation, you will choose or create the Identity Center application that will be associated with your space. You can associate multiple spaces with a single Identity Center application. When setting up the Identity Center application for CodeCatalyst, note that the application name must be unique across CodeCatalyst and your IAM Identity Center instances. This uniqueness requirement helps prevent confusion and ensures proper identification of different applications. This unique name is primarily for administrative purposes within IAM Identity Center and doesn't affect the functionality of CodeCatalyst.



Note

The name for your Identity Center application must be globally unique. In addition, since the name will be viewable for signing in and on certain pages in CodeCatalyst, choose a name that will suitably relate to your company for users signing in.

Single sign-on (SSO)

Instance in IAM Identity Center

A single deployment of IAM Identity Center. There are two types of instances available for IAM Identity Center: *organization instances* and *account instances*.

Organization instance in IAM Identity Center

An instance of IAM Identity Center that you enable in the management account in AWS Organizations. Organization instances support all features of IAM Identity Center. We recommend that you deploy an organization instance of IAM Identity Center rather than account instances to minimize the number of management points.

Account instance in IAM Identity Center

An instance of IAM Identity Center that is bound to a single AWS account, and that is visible only within the AWS account and AWS Region in which it is enabled.

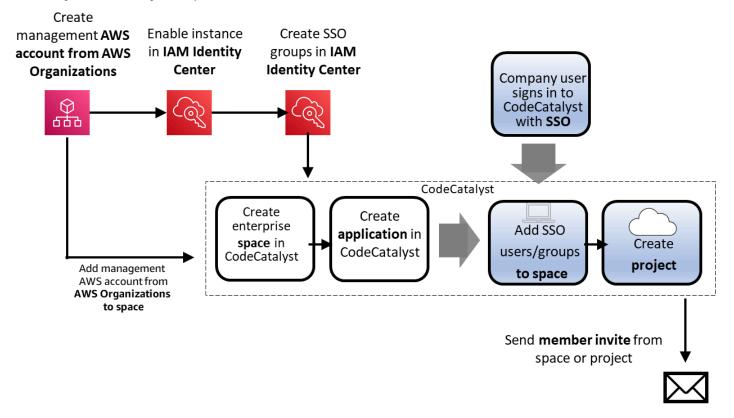
How do spaces work with identity federation and SSO

Companies who want to set up a space for management through identity federation must create a space that supports SSO users and groups.

This guide helps you use CodeCatalyst to perform administration tasks for spaces in CodeCatalyst that support setting up identity federation, managing members, connecting a space to an identity provider and Identity Center application for identity federation, connecting spaces to AWS accounts for billing and access to resources in workflows, or setting user privileges.

The space creation is set up by integrating with AWS tools that support identity federation and SAML configuration. A large company that has a user directory managed in an identity store will want to use these services and tools to allow their users to sign in and be authorized and managed as SSO users with an identity provider such as IAM Identity Center. CodeCatalyst users of the space will be able to use SSO to sign in to CodeCatalyst. This means that the users do not need to sign up individually for CodeCatalyst. The users are added to the identity store and then an email is issued from the space. The users receive an invitation and then go to CodeCatalyst to sign in with their corporate sign-on to a portal. Once the users sign in, they can view the CodeCatalyst space and project in the space where they have access. Users can work in the space, and if they have the Space administrator role, they can manage the space and view all projects in the space.

You cannot directly add or remove users in your space in CodeCatalyst. You must work with your Identity federation administrator to manage SSO users and groups in IAM Identity Center. CodeCatalyst syncs on a regular basis with the IAM Identity Center identity store with the latest directory status for your space members.



Setting up a space

Before you start using a space and projects in CodeCatalyst, you must first set up your space and resources in CodeCatalyst.

You can manage your space that supports identity federation in CodeCatalyst after you have set up the space for identity federation.

This guide includes information about administrator tasks for managing spaces and related accounts and federation resources in CodeCatalyst.

For information about the following tasks for managing AWS Builder ID spaces, see the CodeCatalyst User Guide:

- Add other space administrators to the space for a AWS Builder ID space
- Change member roles and permissions for a AWS Builder ID space
- Create projects and add members to the project
- · View a list of all projects in the space
- View the activity feed for all projects in the space
- Invite users for a AWS Builder ID space

For the steps to set up a CodeCatalyst space without identity federation, an AWS Builder ID space, see Setting up CodeCatalyst in the *Amazon CodeCatalyst User Guide*.

If you have not already set up a management account in AWS Organizations and set up your identity provider in IAM Identity Center, complete the prerequisites and create your first space as detailed in Prerequisite 3: Setting up identity federation in IAM Identity Center and Setting up a space that supports identity federation. You work with your Identity federation administrator and AWS account administrator to configure and enable your identity provider (IdP).

Topics

- Setting up a space that supports AWS Builder ID users
- Setting up a space that supports identity federation

Setting up a space that supports AWS Builder ID users

You can create a space that manages users with AWS Builder ID access to CodeCatalyst. This is a CodeCatalyst space for AWS Builder ID users.

To get started, you need the following:

- Your AWS Builder ID to sign in to CodeCatalyst
- Your AWS account to provide for the space access to resources and for billing if you go beyond the Free tier.

Before you begin, you must be ready to provide an AWS account ID for an account where you have administrative privileges. Have your 12-digit AWS account ID ready. For information about finding your AWS account ID, see Your AWS account ID and its alias.

To create a space that supports AWS Builder ID users, you start by signing in to CodeCatalyst with your AWS Builder ID. When you create a space that supports AWS Builder ID users, you have the **Space administrator** role by default.

To sign up as a new user

- Before you start in the CodeCatalyst console, open the AWS Management Console, and then
 make sure you are signed in with the same AWS account that you want to use to create your
 space.
- 2. Open the CodeCatalyst console at https://codecatalyst.aws/.
- 3. On the welcome page, choose **Sign up**. The **Create your AWS Builder ID** page displays. Your AWS Builder ID is an identity you create to sign in. It is not the same as an AWS account.
- In Your email address, enter the email address you want to associate with CodeCatalyst. Then choose Next.
- 5. In **Your name**, provide the first and last name you want displayed in applications where you use your AWS Builder ID. Spaces are allowed. This will be your AWS Builder ID profile name, such as **Mary Major**. You can change the name later.
 - Choose **Next**. The **Email verification** page displays.
- 6. A verification code will be sent to the email you specified. Enter this code in **Verification code**, and then choose **Verify**. If you don't receive your code after 5 minutes and cannot find it in your spam or junk folders, then choose **Resend code**.

Once we verify your code, enter a password that meets the requirements in **Password** and 7. Confirm password.

Select the checkbox confirming your agreement with the AWS Customer Agreement and the AWS Service Terms, and then choose **Create AWS Builder ID**.

On the Create your CodeCatalyst alias page, enter an alias you want to use for your unique user identifier in CodeCatalyst. Choose a shortened version of your name with no spaces, such as MaryMajor. Other CodeCatalyst users will use this to @mention you in comments and pull requests. Your CodeCatalyst profile will contain both your full name from your AWS Builder ID and your CodeCatalyst alias. You cannot change your CodeCatalyst alias later.

Your full name and your alias will display in different areas in CodeCatalyst. For example, your profile name displays for your listed activity in the activity feed, but project members will use your alias to @mention you.

Choose **Next**. The page updates to show the **Create your CodeCatalyst space** section.

In Name your space, enter the name of your space. You cannot change this later. 9.



Note

Space names must be unique across CodeCatalyst. You cannot reuse names of deleted spaces.

Choose **Next**. The page updates to show the page for adding an AWS account. This account will be used as the billing account for the space.

- 10. In AWS Region, choose the Region where you want to store your space and project data. You cannot change this later.
- 11. In **AWS account ID**, enter the twelve-digit ID for the account you want to connect to your space.

In AWS account verification token, copy the generated token ID. The token is automatically copied for you, but you might want to store it while you approve the AWS connection request.

- 12. Choose Verify in AWS.
- 13. The Verify Amazon CodeCatalyst space page opens in the AWS Management Console. This is the **Amazon CodeCatalyst Spaces** page. You might need to sign in to access the page.

In the AWS Management Console, make sure to choose the same AWS Region where you want to create your space.

To directly access the page, sign in to the Amazon CodeCatalyst Spaces in the AWS Management Console at https://console.aws.amazon.com/codecatalyst/home/.

The verification token field in the AWS Management Console is automatically populated with the token generated in CodeCatalyst.

14. Choose **Verify space**.

An **Account verified** success message displays to show that the account has been added to the space.

15. Remain on the Verify Amazon CodeCatalyst space page. Choose the following link: To enable the Standard tier or add IAM roles for this space, view space details.

The CodeCatalyst space details page opens in the AWS Management Console. This is the **Amazon CodeCatalyst Spaces** page. You might need to log in to access the page.

To turn on the Standard tier so that the space for the AWS account can update its billing tier, choose **Edit**. Choose the **STANDARD** option, and then choose **Update**.



Note

This does not upgrade the billing tier to the Standard tier. However, this configures the AWS account so that you can change the billing tier for your space at any time in CodeCatalyst. You can turn on the Standard tier at any time. Without making this change, the space is only able to use the Free tier.

- 17. Return to the CodeCatalyst page, and then choose **Next**.
- 18. A status message displays while your space is being created. When the space is created, CodeCatalyst opens the page for your space. The view defaults to the **Projects** tab.



Note

If a permissions error or banner is shown, then refresh the page and try to view the page again.

19. (Optional) Proceed to creating a project for your space.

Setting up a Builder ID space

To create and add the CodeCatalyst CodeCatalystWorkflowDevelopmentRole-spaceName

Before you start in the CodeCatalyst console, open the AWS Management Console, and then make sure you are logged in with the same AWS account for your space.

- Open the CodeCatalyst console at https://codecatalyst.aws/. 2.
- 3. Navigate to your CodeCatalyst space. Choose **Settings**, and then choose **AWS accounts**.
- Choose the link for the AWS account where you want to create the role. The AWS account 4. details page displays.
- Choose Manage roles from AWS Management Console. 5.
 - The Add IAM role to Amazon CodeCatalyst space page opens in the AWS Management Console. This is the **Amazon CodeCatalyst Spaces** page. You might need to log in to access the page.
- Choose Create CodeCatalyst development administrator role in IAM. This option creates a service role that contains the permissions policy and trust policy for the development role. The role will have a name CodeCatalystWorkflowDevelopmentRole-spaceName.



Note

This role is only recommended for use with developer accounts and uses the AdministratorAccess AWS managed policy, giving it full access to create new policies and resources in this AWS account.

- Choose Create development role. 7.
- On the connection page, under IAM roles available to CodeCatalyst, view the 8. CodeCatalystWorkflowDevelopmentRole-spaceName role in the list of IAM roles added to your account.
- 9. To return to your space, choose **Go to Amazon CodeCatalyst**.

To create and add the CodeCatalyst AWSRoleForCodeCatalystSupport

- Before you start in the CodeCatalyst console, open the AWS Management Console, and then 1. make sure you are logged in with the same AWS account for your space.
- 2. Navigate to your CodeCatalyst space. Choose **Settings**, and then choose **AWS accounts**.
- 3. Choose the link for the AWS account where you want to create the role. The AWS account details page displays.

4. Choose Manage roles from AWS Management Console.

The **Add IAM role to Amazon CodeCatalyst space** page opens in the AWS Management Console. This is the **Amazon CodeCatalyst Spaces** page. You might need to sign in to access the page.

- 5. Under CodeCatalyst space details, choose Add CodeCatalyst Support role. This option creates a service role that contains the permissions policy and trust policy for the preview development role. The role will have a name AWSRoleForCodeCatalystSupport with a unique identifier appended. .
- 6. On the **Add role for CodeCatalyst Support** page, leave the default selected, and then choose **Create role**.
- 7. Under IAM roles available to CodeCatalyst, view the CodeCatalystWorkflowDevelopmentRole-spaceName role in the list of IAM roles added to your account.
- 8. To return to your space, choose **Go to Amazon CodeCatalyst**.

After you create your AWS Builder ID, create your first space, and add an account, you can then create a project. .

Setting up a space that supports identity federation

You can create a space that supports either of two types of users in CodeCatalyst.

You can create a space that manages users with AWS Builder ID access to CodeCatalyst. This is a CodeCatalyst space for AWS Builder ID users.

Setting up a space in CodeCatalyst includes creating the space, adding users, and assigning CodeCatalyst roles to space members. To set up a AWS Builder ID space and create your first project, use the steps in <u>Sign up to create your first space and your development role</u> in the *Amazon CodeCatalyst User Guide*.

To set up a space that supports identity federation, you must configure prerequisites in the following services before you create or connect a CodeCatalyst space. Use the planning steps in the following section to help you with planning your space.

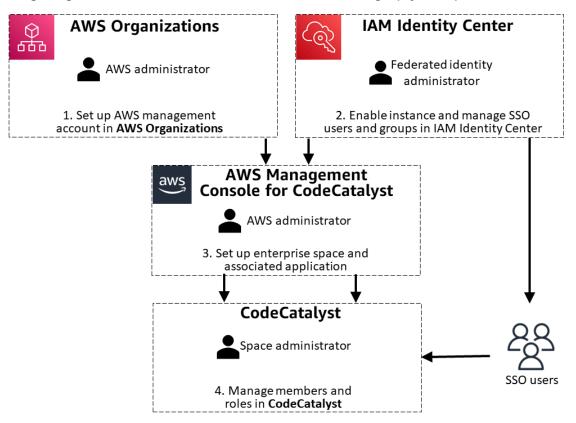
After completing the prerequisites here, to continue creating your space, see <u>Creating a space for</u> identity federation.

Setting up a federated space 12

The organization administrator creates the management accounts and Organizational Units for the company in AWS Organizations. After the management account is available, the company identity federation administrator works with IAM Identity Center to enable a provider instance where federated identities will be managed.

The company directory will authorize users to federate through SAML with IAM Identity Center as the SSO provider. Mary coordinates with the company identity federation administrator to set up the users and groups in IAM Identity Center. After this is complete, Mary uses the CodeCatalyst page in the AWS console to create or choose a CodeCatalyst space that will support identity federation. As part of the setup process, Mary creates an SSO application to represent the company and map to the identity store ID in IAM Identity Center. Next, Mary uses the CodeCatalyst page in the AWS Management Console to choose one or more groups to which to grant single signon access and to add CodeCatalyst roles. Next, Mary wants to create a team for the space. She incorporates the SSO group into a new team on the **Teams** page in CodeCatalyst.

The following diagram illustrates the flow of tasks for setting up your space.



Topics

- Planning your space that supports identity federation
- Prerequisite 1: Setting up an organization in AWS Organizations

Setting up a federated space

- Prerequisite 2: Enable an instance for identity federation
- Prerequisite 3: Setting up identity federation in IAM Identity Center

Planning your space that supports identity federation

After you complete the prerequisites here for AWS Organizations and IAM Identity Center, you will use the CodeCatalyst page in the AWS Management Console to create or choose a space and associate it with identity federation. This makes the space a space that supports SSO users and groups. A space that supports identity federation can only manage members through the membership in IAM Identity Center SSO users and groups. These users are maintained in an identity store. When you use the wizard in CodeCatalyst to create or choose a space and enable it for identity federation, you will create an application and give it a name associated with your company.

Important

Dev Environments aren't available for users in spaces where Active Directory is used as the identity provider. When planning a space where the identity provider will be Active Directory, note that users will not be able to use Dev Environments. For more information, see I can't create a Dev Environment when I'm signed into CodeCatalyst using a single signon account.

An Identity Center application is an association between your CodeCatalyst space and IAM Identity Center. The Identity Center application allows users from your company directory to sign in to CodeCatalyst, so your application name will represent your company and will be visible for selection as an option where users from a workforce directory will access CodeCatalyst. As part of creating a space that supports identity federation, you will choose or create the Identity Center application that will be associated with your space. You can associate multiple spaces with a single Identity Center application. When setting up the Identity Center application for CodeCatalyst, note that the application name must be unique across CodeCatalyst and your IAM Identity Center instances. This uniqueness requirement helps prevent confusion and ensures proper identification of different applications. This unique name is primarily for administrative purposes within IAM Identity Center and doesn't affect the functionality of CodeCatalyst.



Note

The name for your Identity Center application must be globally unique. In addition, since the name will be viewable for signing in and on certain pages in CodeCatalyst, choose a name that will suitably relate to your company for users signing in.

Mary Major is a **Space administrator** who will set up an organization in AWS Organizations that is associated with your company. Mary will need to have the AWS account that is set up a management account for your organization and associate it with the company that will use the space. Additional Organizational Units (OUs) and accounts will be set up for your organization for use with the space.

Mary will work with the Identity federation administrator to set up the directory of users for the company. These are the federated identities that will be set up for the IAM Identity Center instance. The users in the company directory will be set up to sign in to the space using SSO. These users will be defined by the SSO users and groups that the Identity federation administrator sets up in the IAM Identity Center instance.



Note

Users or groups that are added to IAM Identity Center assignments usually appear in CodeCatalyst within two hours. Depending on the amount of data being synchronized, this process might take longer.

Prerequisite 1: Setting up an organization in AWS Organizations

Before you create a space and configure your user membership, complete the following prerequisities for organization and identity federation setup in AWS. You can follow the references in this chapter to get set up.

The AWS Organizations administrator sets up the organization and AWS accounts for your company. The management account for the organization will be specified as the billing account for the space in CodeCatalyst. For more information, see What is AWS Organizations?.



Note

Depending on the type of instance in IAM Identity Center you plan to use in IAM Identity Center, you can choose to create an organization instance or an account instance. If you choose an account instance, then the step to create an organization in AWS Organizations is optional. Choose the instance that best fits your use case. For more information about use cases, see When to use an organization instance and When to use an account instance in the IAM Identity Center User Guide.

Topics

- Create an organization in AWS Organizations
- Add member accounts in AWS Organizations
- Create organizational units (OUs) in AWS Organizations

Create an organization in AWS Organizations

Create an organization for your company. Create an organization with your current AWS account as the management account in AWS Organizations. See the steps in Creating an organization.

Add member accounts in AWS Organizations

Add member accounts to your organization. See the steps in Add an AWS account to join your organization.

Create organizational units (OUs) in AWS Organizations

Create organizational units (OUs) and add member accounts for those OUs in AWS Organizations. See the steps in Managing organizational units.

Prerequisite 2: Enable an instance for identity federation

Before you create a space that supports identity federation, complete the following prerequisities for enabling your instance. You can follow the references in this chapter to get set up.



Note

For IAM Identity Center resources, choose the same Region as your CodeCatalyst space. While you can choose a different Region, this might impact connectivity and latency.

Topics

Enable IAM Identity Center

Enable IAM Identity Center

You must have identity federation administrator permissions and the appropriate IAM permissions in IAM Identity Center to complete these steps. Use the steps to enable an AWS IAM Identity Center instance in IAM Identity Center. For more information about this step in IAM Identity Center, see Step 1: Enable instance.

- 1. Sign in to the IAM Identity Center console.
- 2. On the welcome page, choose **Enable AWS SSO**. A success banner displays.

Prerequisite 3: Setting up identity federation in IAM Identity Center

IAM Identity Center helps you securely create or connect your identity federation and manage user access centrally across AWS accounts and applications. IAM Identity Center is the recommended approach for identity federation on AWS for organizations of any size and type.



Note

For IAM Identity Center resources, choose the same Region as your CodeCatalyst space. While you can choose a different Region, this might impact connectivity and latency.

The Identity federation administrator sets up the IAM Identity Center instance and SSO users and groups for the company. This represents the identity provider (IdP) for the company. As the identity federation administrator for your company, complete the following tasks in IAM Identity Center.

In IAM Identity Center, you can choose to create an organization instance or an account instance. Choose the type that best fits your use case. For more information about use cases, see When to

use an organization instance and When to use an account instance in the IAM Identity Center User Guide.

Topics

- Set up your provider in IAM Identity Center
- Set up your portal in IAM Identity Center
- Create users and groups in IAM Identity Center

Set up your provider in IAM Identity Center

Connect your recently created or existing IAM Identity Center instance to your IdP.



Important

Dev Environments aren't available for users in spaces where Active Directory is used as the identity provider. When planning a space where the identity provider will be Active Directory, note that users will not be able to use Dev Environments. For more information, see I can't create a Dev Environment when I'm signed into CodeCatalyst using a single signon account.

Set up your provider in IAM Identity Center. See the steps in What is IAM Identity Center?.



Note

CodeCatalyst spaces with identity federation can support service providers that are supported by IAM Identity Center. CodeCatalyst inherits the identity source that is managed in IAM Identity Center. For more information, see Manage your identity source.

Set up your portal in IAM Identity Center

Connect your recently created or existing instance in IAM Identity Center to your IdP.

Create an SSO portal login for your provider in IAM Identity Center. See Manage sign-in and attribute use for all identity source types.

An *Identity Center application* is an association between your CodeCatalyst space and IAM Identity Center. The Identity Center application allows users from your company directory to sign in

to CodeCatalyst, so your application name will represent your company and will be visible for selection as an option where users from a workforce directory will access CodeCatalyst. As part of creating a space that supports identity federation, you will choose or create the Identity Center application that will be associated with your space. You can associate multiple spaces with a single Identity Center application. When setting up the Identity Center application for CodeCatalyst, note that the application name must be unique across CodeCatalyst and your IAM Identity Center instances. This uniqueness requirement helps prevent confusion and ensures proper identification of different applications. This unique name is primarily for administrative purposes within IAM Identity Center and doesn't affect the functionality of CodeCatalyst.



Note

The name for your Identity Center application must be globally unique. In addition, since the name will be viewable for signing in and on certain pages in CodeCatalyst, choose a name that will suitably relate to your company for users signing in.

Create users and groups in IAM Identity Center

You must create users and groups in IAM Identity Center that you will manage in IAM Identity Center and then specify in CodeCatalyst when you create or view your space. Create and connect groups in IAM Identity Center.

You must have Identity federation administrator permissions and the appropriate IAM permissions in IAM Identity Center to complete these steps. Use the steps to create users and groups who will be the directory users for your space. For more information about this step in IAM Identity Center, see Manage identities in IAM Identity Center.



Note

CodeCatalyst user names have a minimum length of 3 and a maximum length of 100 characters. Provided user names longer than 100 characters will be truncated. This can result in a user name that appears to be a duplicate of another 100-character user name. For more information, see I can't access my AWS Builder ID space as a new user or can't be added as a new SSO user due to truncated user name.

Inviting users to a Builder ID space



Note

This topic describes how to invite users who sign in to CodeCatalyst with a AWS Builder ID. To invite users that are managed as part of SSO users and groups, see Administering spaces that support identity federation.

You can invite users to your CodeCatalyst space (instead of inviting them to a project within a space). Inviting users to a space is useful when you want that user to help you manage the space. Users who will manage a space will also need the **Space administrator** or **Power user** role. Assigning one of those roles to other users can help you distribute the responsibilities of managing the space across more people without having to invite these users to projects.



Note

You must have the **Space administrator** or **Power user** role to invite members.

The **Space administrators** table shows users with the **Space administrator** role. These users are not shown in the **Space members** table because they are automatically (implicitly) assigned to all projects in the space and do not have a role in a project.

Members who accept a project invitation are added to the space by default. The **Project members** table shows all members in the space that have a role in a project.

To invite a user to your space

- 1. Open the CodeCatalyst console at https://codecatalyst.aws/.
- 2. Navigate to your space.
- Choose **Settings**, and then choose **Members**. 3.
- Choose Invite. 4.
- 5. Enter the email of the person you would like to invite to join your space. In **Role**, choose the role you want to assign that user in the space.
- Choose Invite

Creating additional spaces that support AWS Builder ID users



Note

This topic describes how to create spaces that support users who sign in to CodeCatalyst with a AWS Builder ID. To create spaces that support users who are managed as part of SSO users and groups, see Administering spaces that support identity federation.

When you first sign up in Amazon CodeCatalyst, you are required to create a space. You can choose to create additional spaces to meet your business needs.



Space names must be unique across CodeCatalyst. You cannot reuse names of deleted spaces.

To create additional spaces, you must be assigned the Space administrator role.



Note

When you create an additional space, you are not prompted to create a project. .

To create another space

- In the AWS Management Console, make sure you are signed in with the same AWS account that you want to associate with your CodeCatalyst space.
- Open the CodeCatalyst console at https://codecatalyst.aws/. 2.
- 3. Navigate to your space.



If you belong to more than one space, choose a space in the top navigation bar.

- Choose **Create space**. 4.
- 5. On the **Create a space** page, in **Space name**, enter a name for the space. You cannot change this later.



Note

Space names must be unique across CodeCatalyst. You cannot reuse names of deleted spaces.

- In **AWS Region**, choose the Region where you want to store your space and project data. You 6. cannot change this later.
- 7. In AWS account ID, enter the twelve-digit ID for the account you want to connect to your space.

In **AWS account verification token**, copy the generated token ID. The token is automatically copied for you, but you might want to store it while you approve the AWS connection request.

- Choose **Verify in AWS**. 8.
- The Verify Amazon CodeCatalyst space page opens in the AWS Management Console. This is 9. the **Amazon CodeCatalyst Spaces** page. You might need to sign in to access the page.

In the AWS Management Console, make sure to choose the same AWS Region where you want to create your space.

To directly access the page, sign in to the Amazon CodeCatalyst Spaces in the AWS Management Console at https://console.aws.amazon.com/codecatalyst/home/.

The verification token is automatically entered in Verification token. A success banner shows a message that the token is a valid token.

10. Choose Verify space.

An **Account verified** success message displays to show that the account has been added to the space.

11. Remain on the Verify Amazon CodeCatalyst space page. Choose the following link: To enable the Standard tier or add IAM roles this space, view space details.

The **CodeCatalyst space details** page opens in the AWS Management Console. This is the **Amazon CodeCatalyst Spaces** page. You might need to log in to access the page.

12. Under IAM roles available to CodeCatalyst, choose Add IAM role.

The Add IAM roles available to CodeCatalyst page displays.

13. Choose **Create CodeCatalyst development administrator role in IAM**. This option creates a service role that contains the permissions policy and trust policy for the development role.

The developer role is an AWS IAM role that enables your CodeCatalyst workflows to access AWS resources such as Amazon S3, Lambda, and AWS CloudFormation. The role will have a name CodeCatalystWorkflowDevelopmentRole-spaceName with a unique identifier appended.

- 14. Choose Create development role.
- 15. On the connection page, under **IAM roles available to CodeCatalyst**, view the developer role in the list of IAM roles added to your account.
- 16. Choose Go to Amazon CodeCatalyst.
- 17. On the creation page in CodeCatalyst, choose **Create space**.

Deleting a space that supports AWS Builder ID users



Note

This topic describes how to delete spaces that support users who sign in to CodeCatalyst with a AWS Builder ID. To delete spaces that support users who are managed as part of SSO users and groups, see Administering spaces that support identity federation.

You can delete a space to remove access to all of the space's resources. You must have the **Space administrator** role to delete a space.



Note

You cannot undo a space deletion.

After you have deleted a space, all space members will be unable to access space resources. Billing for space resources will also stop, and any workflows that are prompted by third-party source repositories will be stopped.



Note

Space names must be unique across CodeCatalyst. You cannot reuse names of deleted spaces.

To delete a space

- Open the CodeCatalyst console at https://codecatalyst.aws/. 1.
- Navigate to your space.



(i) Tip

If you belong to more than one space, choose a space in the top navigation bar.

Choose **Settings**, and then choose **Delete**.

- Type **delete** to confirm the deletion.
- Choose **Delete**. 5.



Note

If you belong to more than one space, you're redirected to the space overview page. If you belong to one space, you're redirected to the space creation page.