

Connect your organization to Microsoft Entra ID


Article • 10/17/2023

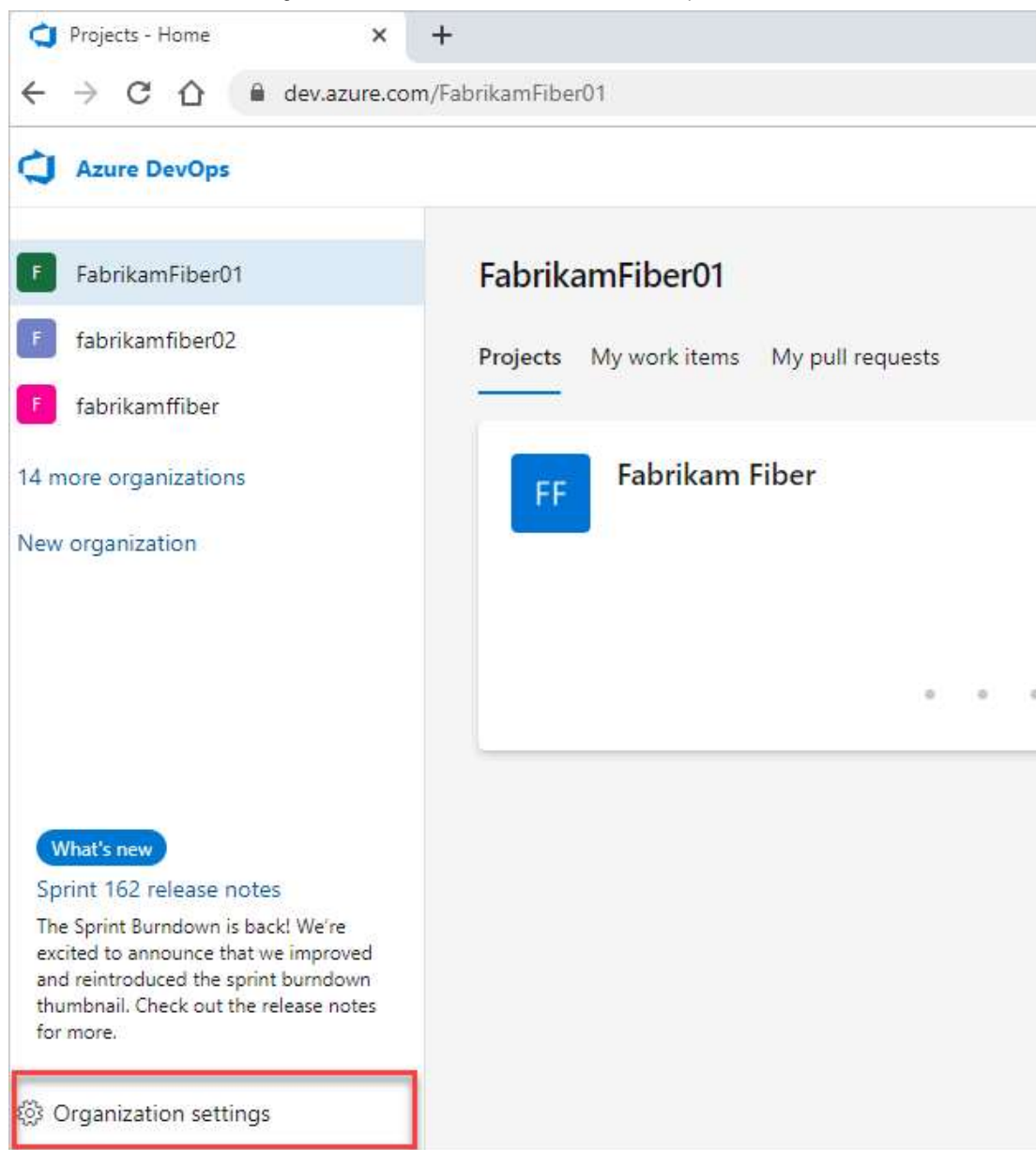
Azure DevOps Services

Learn how to connect your Azure DevOps organization to [Microsoft Entra ID](#). You can sign in with the same username and password that you use with Microsoft services. Add members to your Azure DevOps organization who are already a part of your work organization. You can also enforce policies for accessing your team's critical resources and key assets.

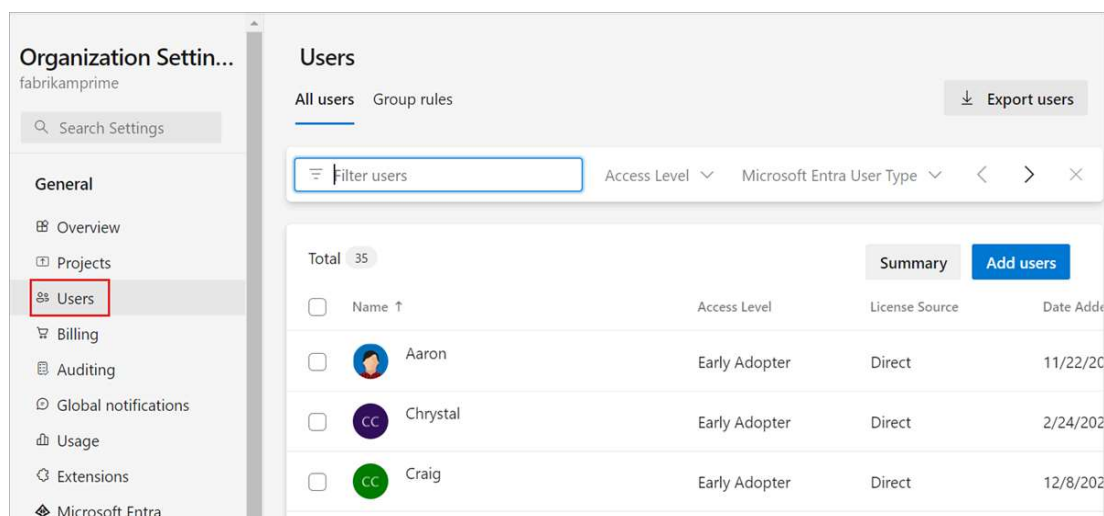
For more information about using Microsoft Entra ID with Azure DevOps, see the [conceptual overview](#).

Prerequisites

- Have 100 or fewer users in your organization. If your organization has more than 100 users, [contact Support](#) for help with connecting to Microsoft Entra ID.
- You must be a [member of the Project Collection Administrators group](#) or the [organization Owner](#) to make the connection.
- Ensure that you exist in Microsoft Entra ID as a *member*. For more information, see [how you can convert a Microsoft Entra ID guest into a member](#).
- Inform users of the upcoming change. There's no downtime during this change, but users are affected. Let them know before you begin that there's a short series of steps they need to complete. As your company transitions from Microsoft account (MSA) to Microsoft Entra identities, your users' benefits continue with their new identity, as long as their emails match.
- Delete unwanted users from your organization. For example, you can remove a user who left the company and is no longer an employee.
- Prepare your mapping list for inviting users to Microsoft Entra ID.
 1. Sign in to your organization (<https://dev.azure.com/{yourorganization}>).
 2. Select  **Organization settings**.



3. Select Users.




4. Compare your Azure DevOps email list with your Microsoft Entra ID email list. Create a Microsoft Entra ID email address entry for every user who's in the

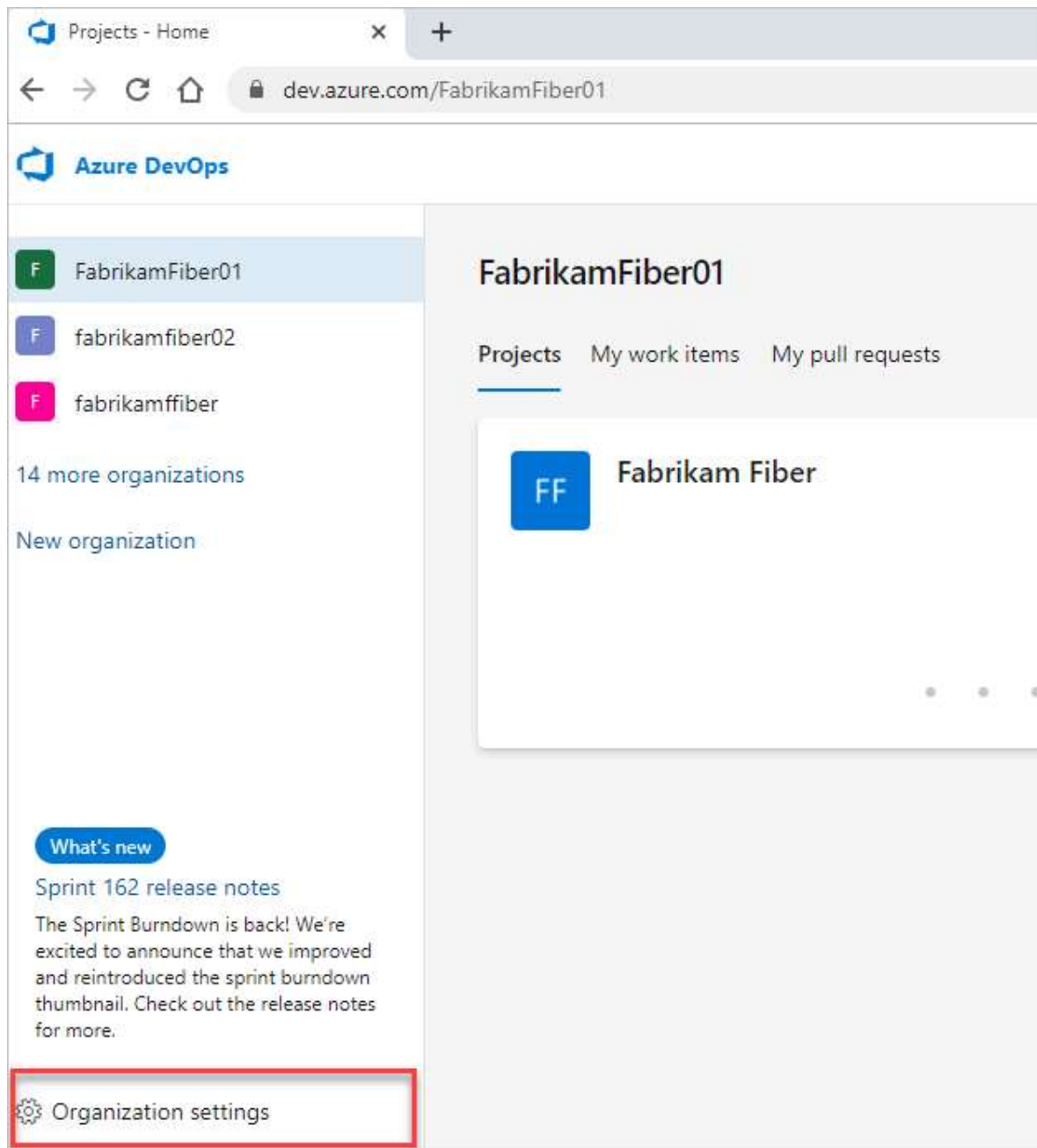
Azure DevOps organization and not in the Microsoft Entra ID. Afterward, you can [invite users as guests](#) who don't have Microsoft Entra ID email addresses.

📌 **Note**

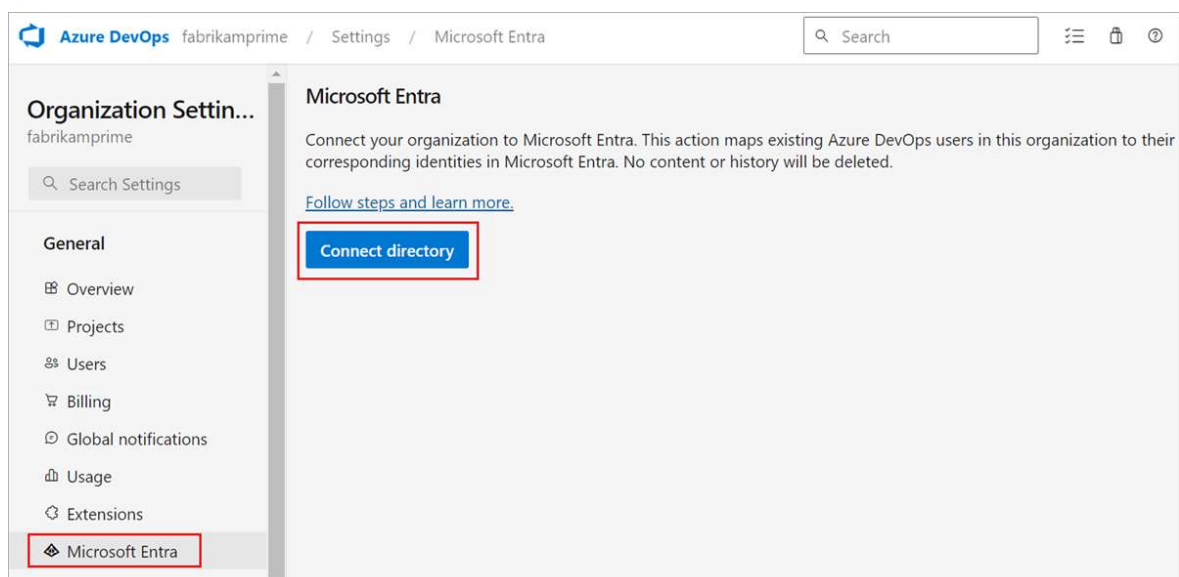
Ensure you're using Microsoft Entra Public. Connecting Azure DevOps Services organizations to Microsoft Entra Government and accessing Azure DevOps Services with user accounts from Microsoft Entra Government isn't supported.

Connect your organization to Microsoft Entra ID

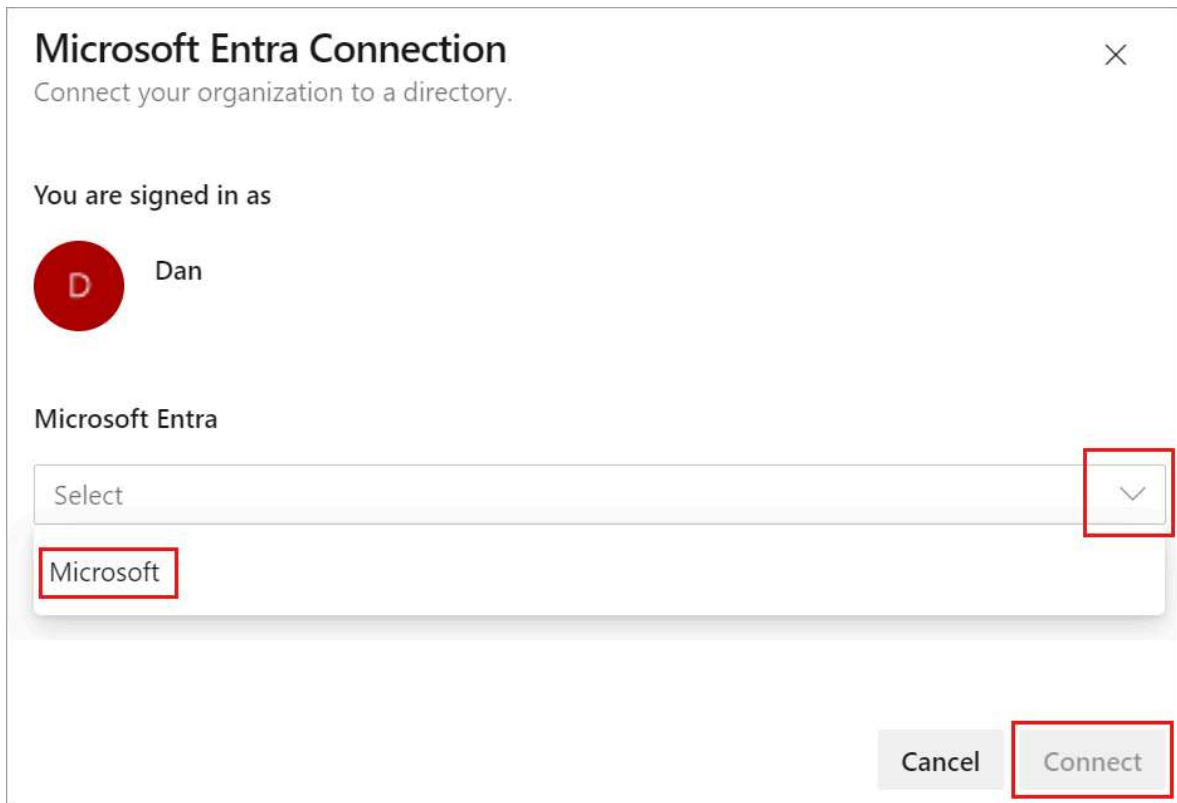
1. Sign in to your organization (<https://dev.azure.com/{yourorganization}>).
2. Select  **Organization settings**.



3. Select **Microsoft Entra ID**, and then select **Connect directory**.



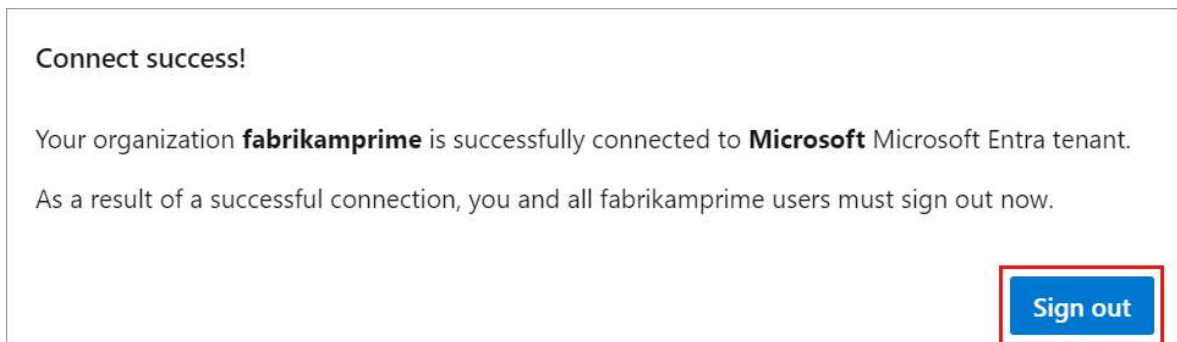
4. Select a directory from the dropdown menu, and then select **Connect**.



The screenshot shows a dialog box titled "Microsoft Entra Connection" with a close button (X) in the top right corner. Below the title is the instruction "Connect your organization to a directory." Underneath, it says "You are signed in as" followed by a red circular profile picture with the letter 'D' and the name "Dan". Below this is a section labeled "Microsoft Entra" containing a dropdown menu. The dropdown menu is open, showing a list with the option "Microsoft" selected and highlighted with a red box. The dropdown menu itself is also highlighted with a red box. At the bottom right of the dialog, there are two buttons: "Cancel" and "Connect", with the "Connect" button highlighted by a red box.

If you can't find your directory, contact your Microsoft Entra administrator and request that they add you as a member to the Microsoft Entra ID.

5. Select **Sign out**.



The screenshot shows a message box titled "Connect success!". The text inside reads: "Your organization **fabrikamprime** is successfully connected to **Microsoft** Microsoft Entra tenant. As a result of a successful connection, you and all fabrikamprime users must sign out now." At the bottom right of the message box, there is a blue button labeled "Sign out", which is highlighted with a red box.

Your organization is now connected to your Microsoft Entra ID.

6. Confirm that the process is complete. Sign out, and then open your browser in a private session and sign in to your organization with your Microsoft Entra ID or work credentials.
7. Sign back in to Azure DevOps and map any disconnected members to their Microsoft Entra identities. Or, you can invite them as guests into the Microsoft Entra ID. For more information, see the [FAQs](#).

Organization Settings
fabrikamprime

Search Settings

General

- Overview
- Projects
- Users
- Billing
- Auditing
- Global notifications
- Usage
- Extensions
- Microsoft Entra**

Microsoft Entra

18 member(s) of the **fabrikamprime** organization can't sign in because they're not in the **Microsoft** Microsoft Entra directory. Delete any unwanted users in Organization settings, and then **Resolve** for remaining members.

Your organization is connected to the **Microsoft** directory.

Microsoft
microsoft.onmicrosoft.com
Tenant Id:

Check out [other frequently asked questions](#).

Disconnect directory

Resolve disconnected users

Map the disconnected members of this organization to their new identities in the Microsoft Microsoft Entra tenant. Select Next to map identities, and invite unmapped users to the Microsoft Entra tenant as guests.

Current Email	Matched Identity in Directory
Kim T	Search Members
Kathryn E	Search Members

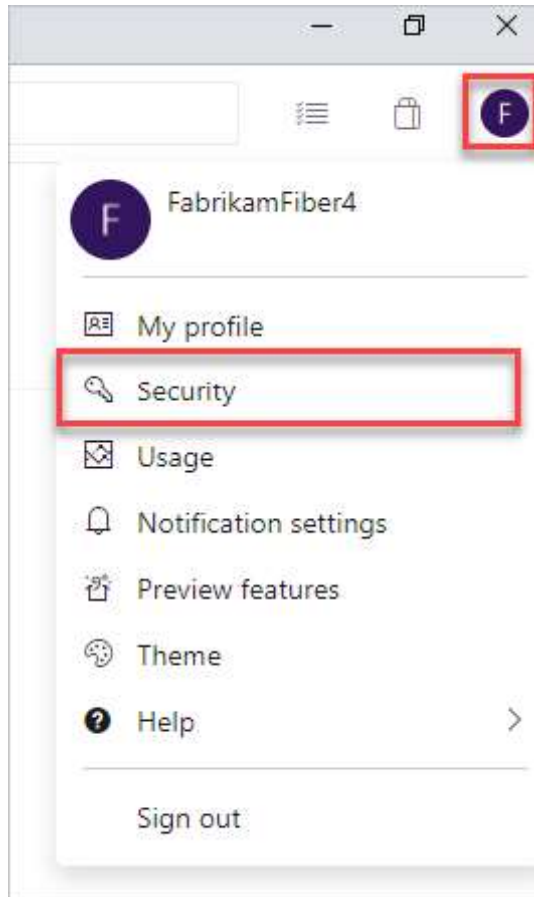
Mapping identities in Microsoft Entra is a permanent action, which transfers all work history from the original identity to the matched identity. Any previous work history on the matched identity in Microsoft Entra is overwritten.

Cancel **Next**

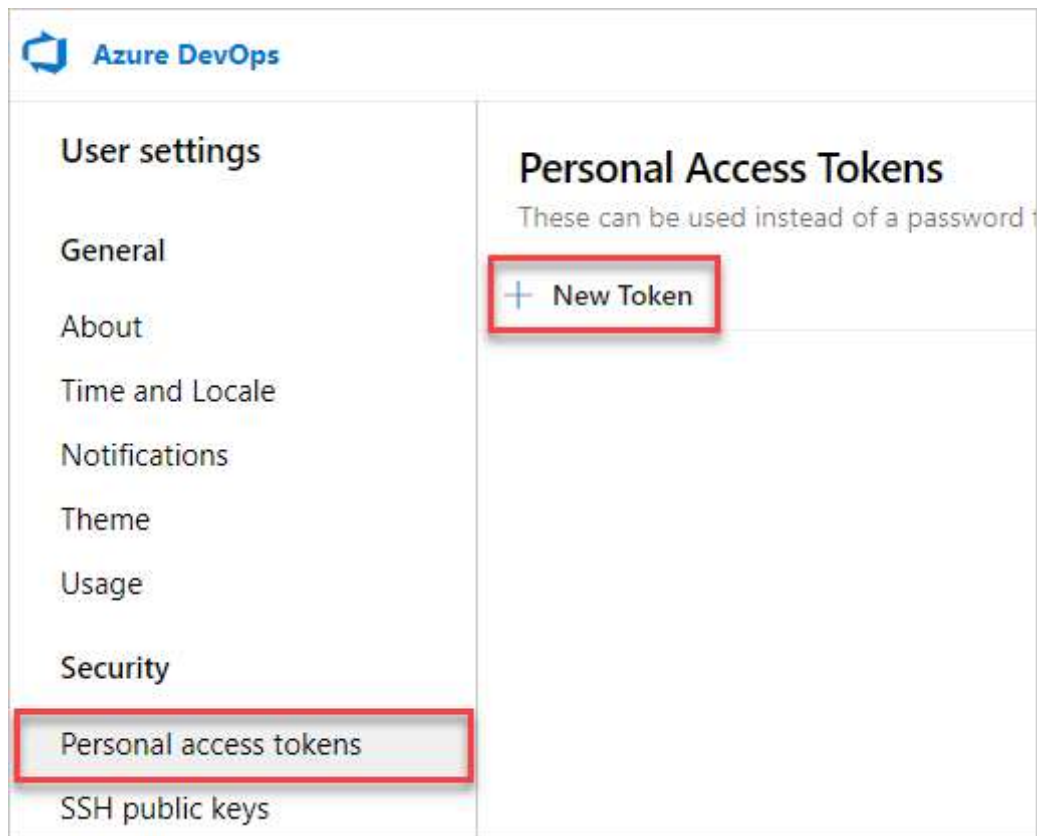
Inform users of the completed change

When you inform your users of the completed change, include the following tasks for each user in the organization to complete:

- Clear the cache for the [Git Credential Manager](#) if you use Visual Studio or the Git command-line tool. Delete the `%LocalAppData%\GitCredentialManager\tenant.cache` file on each client machine.
- [Regenerate new personal access tokens](#). Complete the following steps:
 - a. In Azure DevOps, open your **User profile**, and then select **Security** from the resulting dropdown menu.



- b. Select **Personal access tokens**, and then select **New Token**.



c. Complete the form, and then select **Create**.

Create a new personal access token

Name

New token name

Organization

FabrikamFiber

Expiration (UTC)

30 days

Fri Jun 14 2019

Scopes

Authorize the scope of access associated with this token

Scopes

☐ Full access ☒ Custom defined

Work Items

Work items, queries, backlogs, plans, and metadata

☐ Read ☐ Read & write ☐ Read, write, & manage

Code

Source code, repositories, pull requests, and notifications

☒ Read ☐ Read & write ☐ Read, write, & manage ☐ Full ☐ Status

Build

Artifacts, definitions, requests, queue a build, and updated build properties

☐ Read ☐ Read & execute

Release

Read, update, and delete releases, release pipelines, and stages

☒ Read ☒ Read, write, & execute ☒ Read, write, execute, & manage

Show all scopes (27 more)

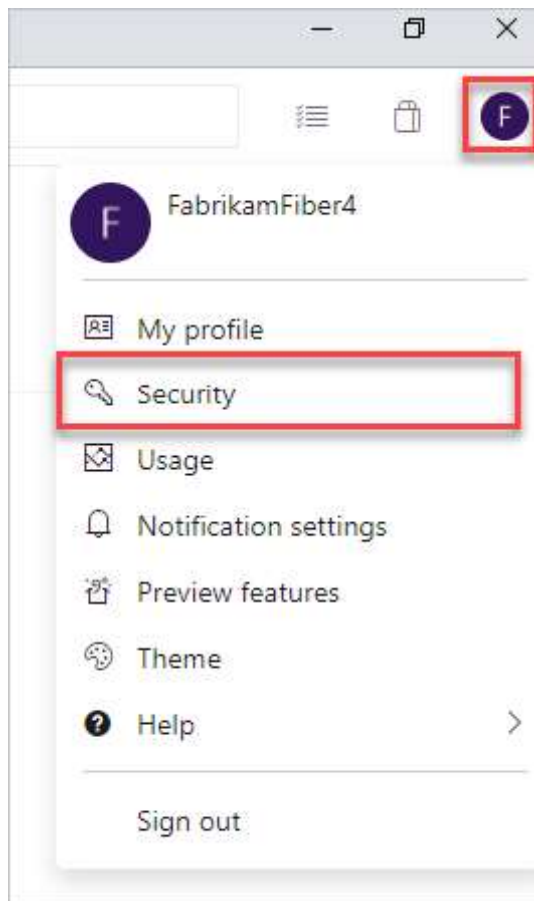
Create

Cancel

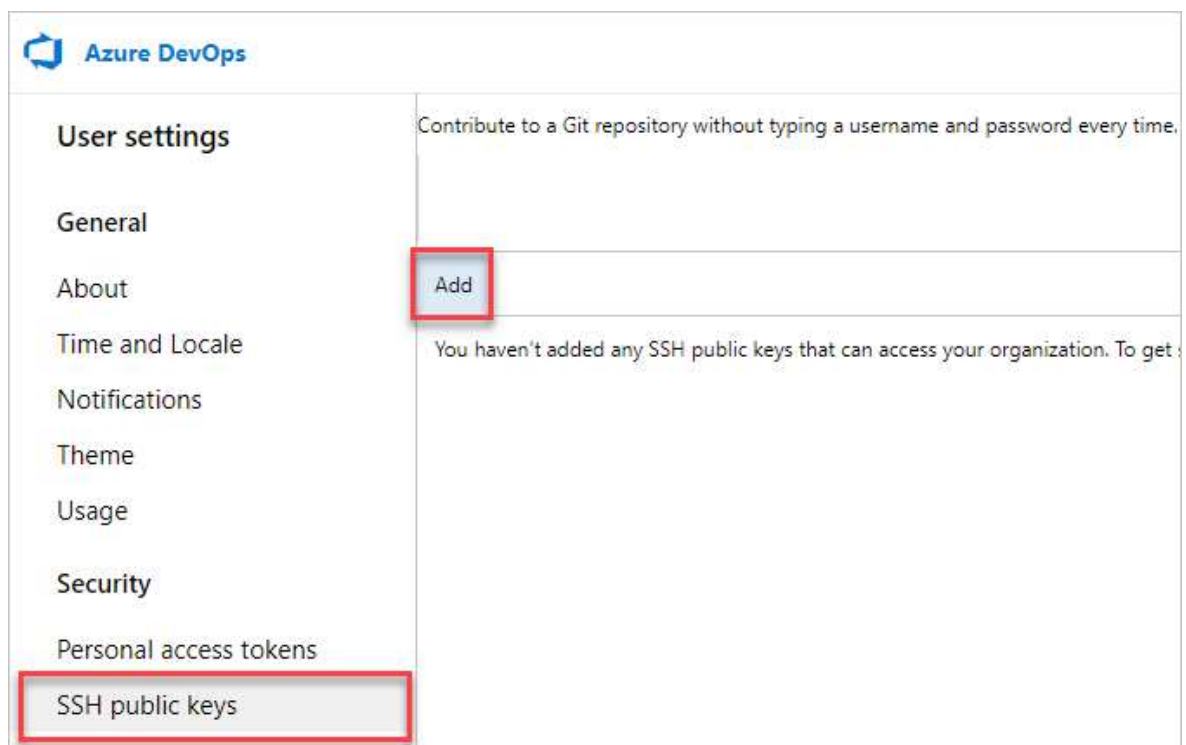
d. When the token is created, copy it, as it can't be viewed again.

- Request that SSH keys be manually cleared by [Support](#) , and then recreate SSH keys. Complete the following steps.

a. In Azure DevOps, open your **User profile**, and then select **Security** from the resulting dropdown menu.



b. Select **SSH public keys**, and then select **Add**.



c. Enter a description and key data, and then select **Save**.



d. When the token's created, copy it, as it can't be viewed again.

- [Rename your Microsoft account](#) to a different email that doesn't conflict with your Microsoft Entra identity. Doing so ensures that you won't be prompted to choose between accounts.
- Adjust your Visual Studio subscription if the UPN used inside your Azure DevOps organization has changed. You can have it reassigned to your new UPN, or set that UPN as the alternate account inside the subscription. For more information, see [how to add an alternate account to your subscription](#).

Related articles

- [Get a list of organizations backed by Microsoft Entra ID](#)
- [Restrict organization creation with tenant policy](#)
- [Disconnect from Microsoft Entra ID](#)
- [Change Microsoft Entra connection](#)
- [Frequently asked questions \(FAQs\) about connecting, disconnecting, or changing your Microsoft Entra ID](#)

Feedback

Was this page helpful?



Yes



No

[Provide product feedback](#)