

SharePoint Embedded Power Platform Data Connector

Private Preview Guide

What is this?

The SharePoint Embedded Power Platform Data Connector is a new tool that allows seamless integration between SharePoint Embedded and the Power Platform. This connector enables users to easily connect and interact with storage containers and documents from SharePoint Embedded directly within Power Apps and Power Automate, fostering enhanced productivity and streamlined workflows. Additionally, the connector will enable M365 Agents to manage SharePoint Embedded app content by connecting agent actions with the connector.

The SharePoint Embedded team is offering an opportunity to preview this new connector before it's made generally available

★ Note: Do not use the connector for production use cases during this preview

How to get started

Setup a Container Type

Before you can use the SharePoint Embedded connector, you will need to have setup container type. See the *SharePoint Embedded Container Types* article in the *Getting Started* section of the SharePoint Embedded documentation.

<https://learn.microsoft.com/sharepoint/dev/embedded/getting-started/containertypes>

App Permissions on Container Type Registration

In order for a SharePoint Embedded application to interact with containers in a consuming tenant, the container type must first be

registered in the consuming tenant. Container type registration happens when the owning application invokes the registration API to specify what permissions can be performed against its container type. The registration API also grants access to other Guest Apps to interact with the owning application's containers. For example, a SharePoint Embedded application can grant permissions to another application--a Guest App so that the Guest App can perform operations against its containers. In the case of our Power Platform Connector, we would want to register the First Party Application associated with the SharePoint Embedded connector, as a Guest App.

✦ This step is only required during preview

Assuming there is already a container type registration present, the next step is to call the registration API with full delegated permissions for our First Party Application (FPA). The client ID for the SharePoint Embedded Power Platform Connector FPA is e8e1b0bf-140f-4b8b-8e94-fbe8937fad04

<https://learn.microsoft.com/sharepoint/dev/embedded/getting-started/register-api-documentation>

```
1 PUT {RootSiteUrl}/_api/v2.1/{containerTypeId}/applicationPermissions
2 Content-Type: application/json
3
4 {
5   "value": [
6     {
7       // The first entry is to maintain permissions of your owning application
8       "appId": "71392b2f-1765-406e-86af-5907d9bdb2ab", // Example owning app ID
9       "delegated": ["full"],
10      "appOnly": ["full"]
11    },
12    {
13      // SPE Power Platform Connector FPA ID
14      "appId": "e8e1b0bf-140f-4b8b-8e94-fbe8937fad04",
15      "delegated": ["full"], // be sure to grant full delegated permissions
16      "appOnly": ["none"]
17    }
18  ]
19 }
20
21
```

The container type registration API requires the Container.Selected app-only permission for SharePoint, more can be found at <https://learn.microsoft.com/sharepoint/dev/embedded/getting-started/register-api-documentation#authentication-and-authorization-requirements>.

Note

```
1 This is NOT a Graph API
2
```

3 {RootSiteURL} is the SharePoint URL of the consuming tenant. For example,
https://contoso.sharepoint.com

The response should look like:

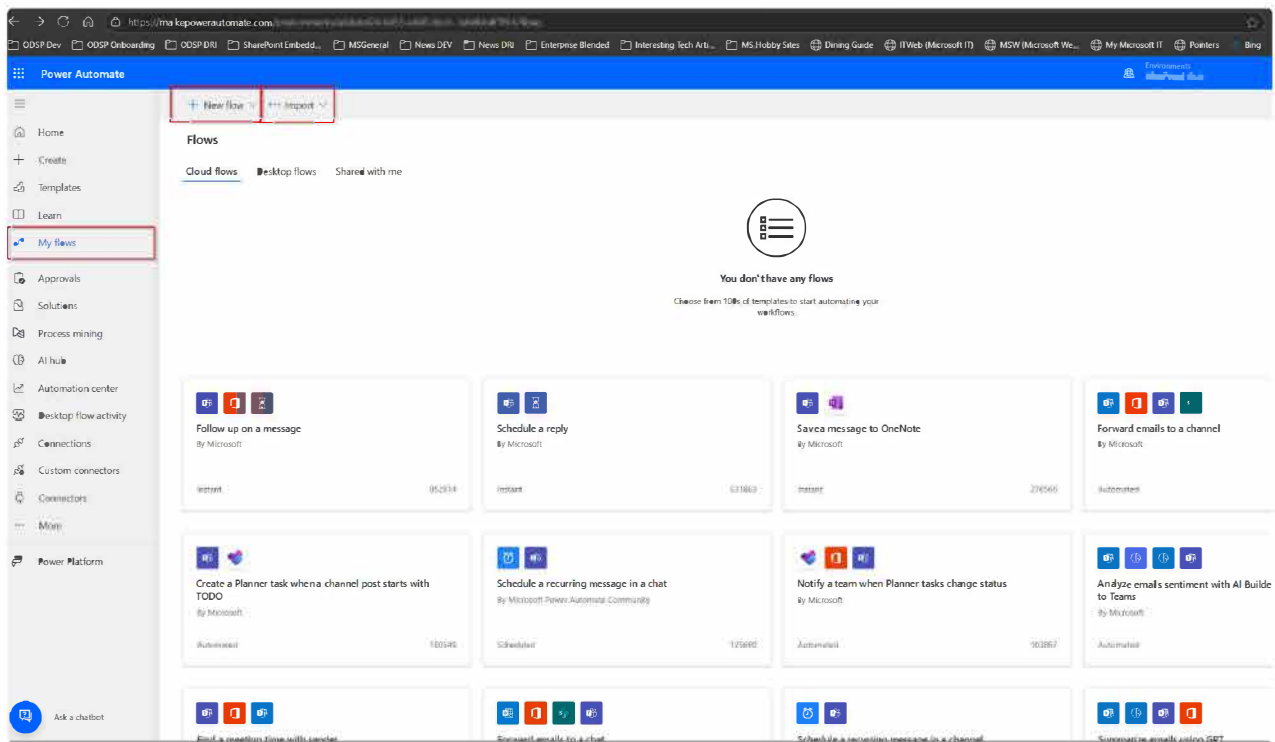
```
1 HTTP/1.1 200 OK
2 Content-type: application/json
3
4 {
5   "value": [
6     {
7       "appId": "owning-app-id-from-request-above",
8       "delegated": ["permissions-from-request-above"],
9       "appOnly": ["permissions-from-request-above"]
10    },
11    {
12      "appId": "e8e1b0bf-140f-4b8b-8e94-fbe8937fad04",
13      "delegated": ["full"],
14      "appOnly": ["none"]
15    }
16  ]
17 }
18
19
```

</> JSON

The connector can now be successfully used!

Finding the connector

To start using the connector, visit <https://make.powerautomate.com> and log in with your tenant's credentials. From there, you will have access to the Power Automate homepage:

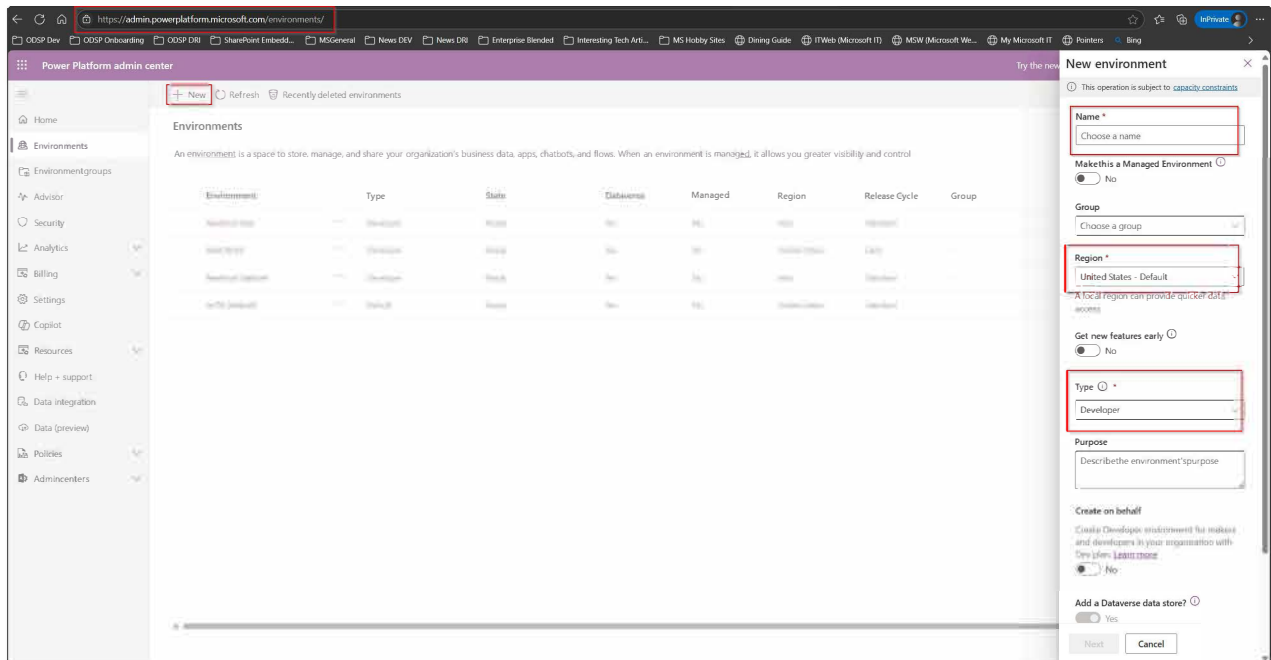


Selecting "My Flows" from the left-hand menu will show the option to create a new Cloud or Desktop Power Automate flow, or import an existing flow.

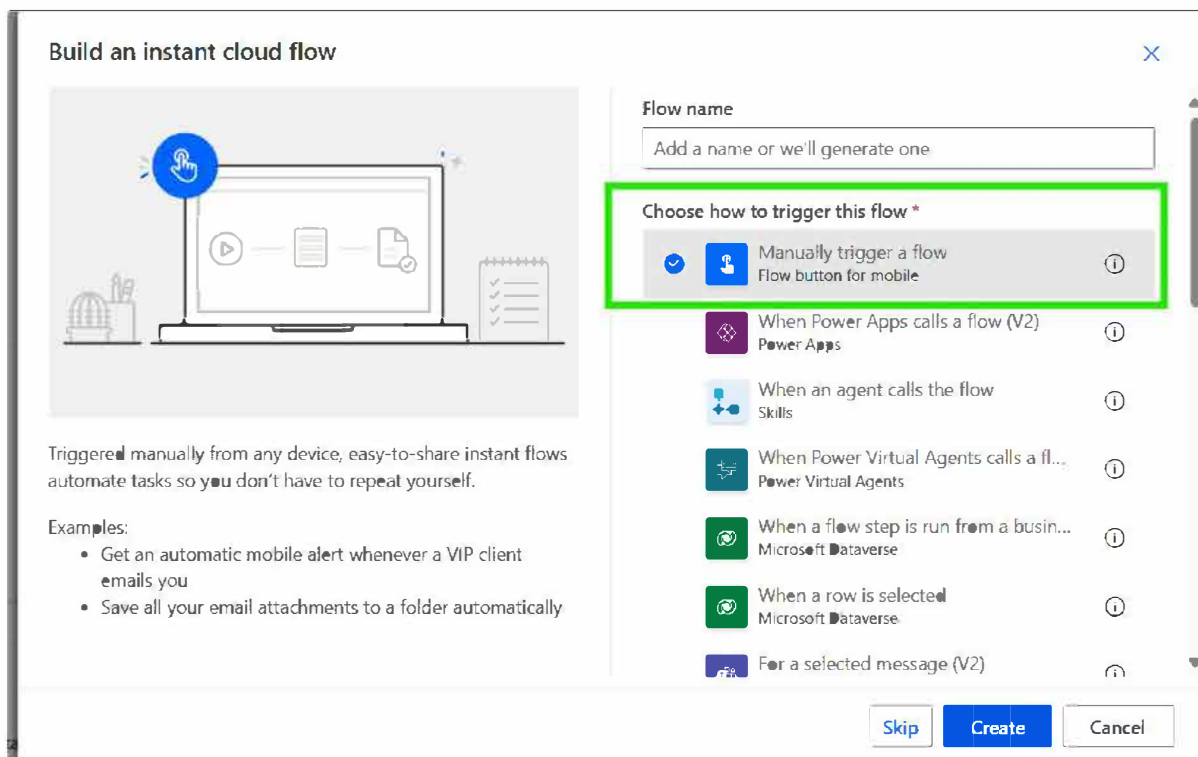
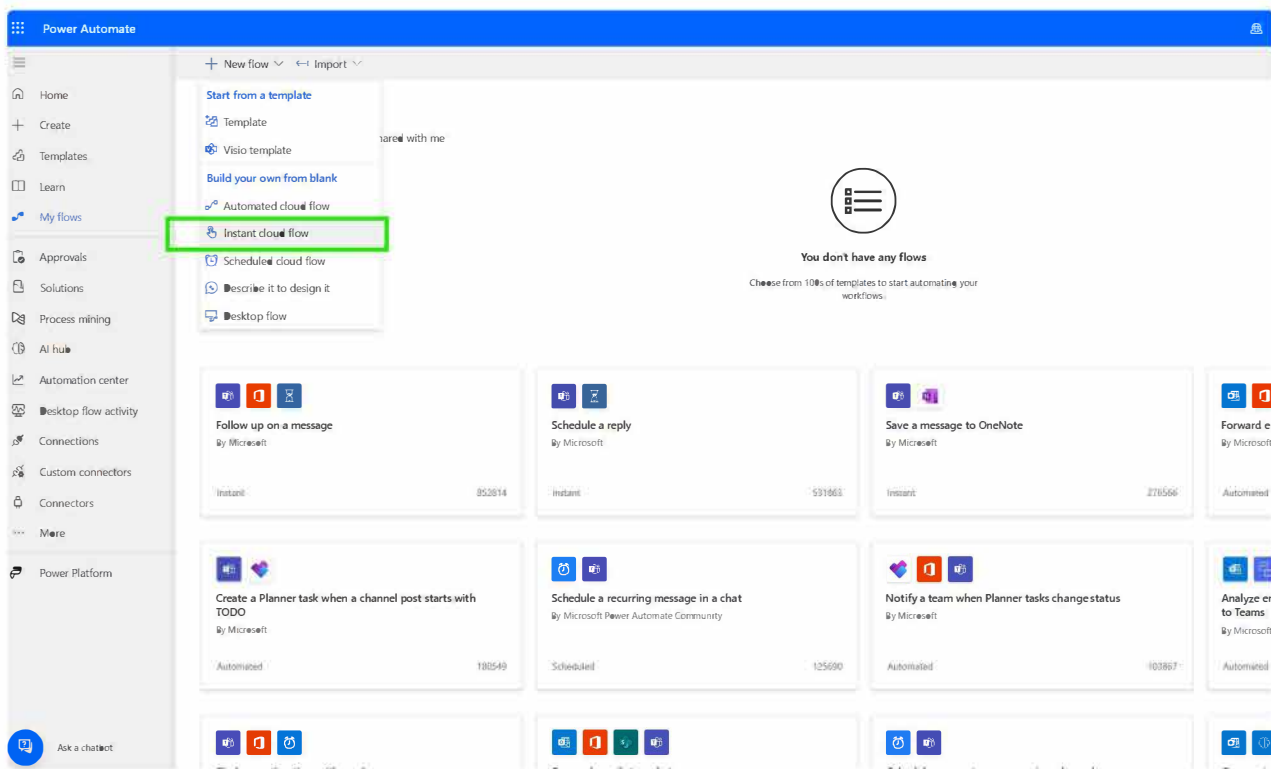
Before we create a Flow, we need to create an environment for our development. To do so, visit <https://admin.powerplatform.microsoft.com/environments> and sign in with your admin credentials.

Select "New" and provide the necessary information to create a new environment:

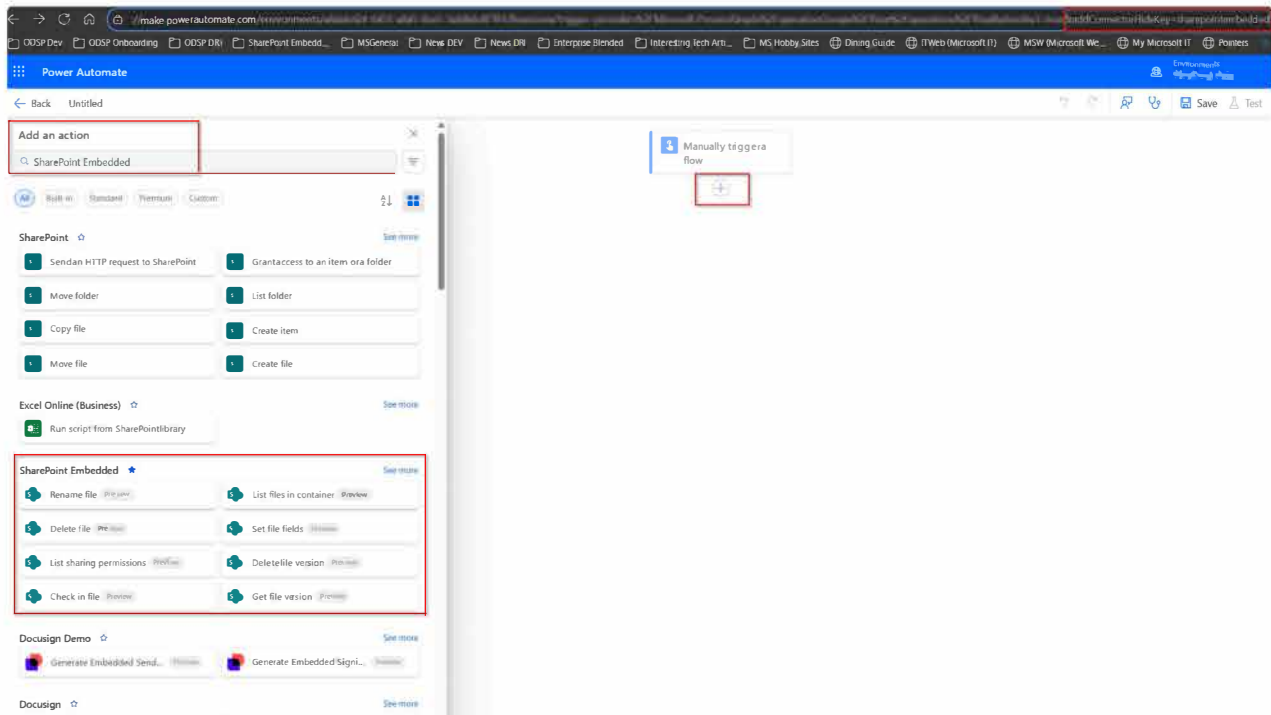
Make sure the environment Type is set to "Developer", and you've selected a region that is proximal for faster data access.



Once you've created an environment, you can return to Power Automate and create a Flow using the SPE Connector.



Once on the Flow Designer page, you need to add the `hideKey` to be able to interact with and view the Connector. To do so, add `&addConnectorHideKey=sharepointembedded` to the end of the Flow URL and reload the page. From there, you can create an Action and search for "SharePoint Embedded":



Using the connector

The SharePoint Embedded Power Platform Connector has 46 actions, covering both file and container management. Please import the sample Flow demonstrating how the actions can be used to perform a wide range of automated tasks and flows.

Known Limitations

- The "Create Container" Action is undergoing a security review and may not be available in the first iteration of Private Preview. DO NOT take a dependency on this action for the first release of the connector
- "Recycle Container" action is consistent with the "Delete Container" API: <https://learn.microsoft.com/en-us/graph/api/filestorage-delete-containers?view=graph-rest-1.0&tabs=http>
- "Delete Container" action is consistent with the "Permanent Delete Container" API: <https://learn.microsoft.com/en-us/graph/api/filestoragecontainer-permanentdelete?view=graph-rest-1.0>

Feedback and Help

We want to hear from you! This preview program is intended to help improve this new connector, and your feedback is critical to that. Please send your feedback and questions about the connector to spe-connector@microsoft.com.