

Add a custom connector to Nintex Workflow Cloud

Add a **custom connector** to connect a new service or data source to your tenancy.

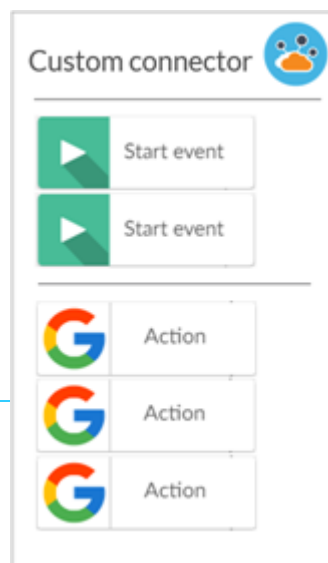
What can you do with custom connectors?

A **custom connector** is a set of instructions that **allows** the Nintex Workflow Platform **to communicate** with an **external API**. Each API requires its own custom connector specific to that API. The custom connector defines how that API can be used within your workflow, including:

- Workflow actions
- Workflow start events
- File handling operations

A custom connector can contain as many actions, start events, and file handling operations as you need.

Note: Creating start events with custom connectors is not yet available.



Summary

To add a custom connector, you must import a definition for the connector into Nintex Workflow Cloud. You can either upload the file directly, or import from a publicly available URL that points to an [OpenAPI Specification](#).

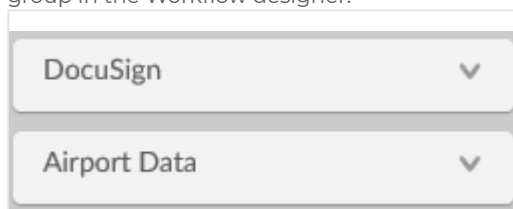
Looking to upload a product or service's published OpenAPI Specification? See [Import a third-party specification](#).

For this example, we have created a URL for you to import. The Airport-Data API retrieves information about an airport when given the airport's three-letter airport code. You will create the connector for the API and then build a basic workflow using the custom **action** that emails travelers information about the airport they are due to arrive at.

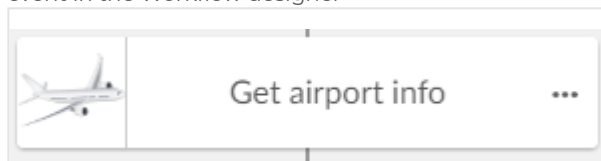
Create and use the example custom connector

Step 1: Import the custom connector into Nintex Workflow Cloud

1. Open your Nintex Workflow Cloud tenancy.
2. Click **Xtensions** in the dashboard to open the Xtensions page.
3. Click **+** in the Custom connector list.
4. Right-click and copy the following URL into the **OpenAPI Specification URL**:
[OpenAPI.json](https://raw.githubusercontent.com/sdknintex/Xtensions_examples/master/Airport/1.Airport%20Data.None.json)
If you're using a mobile device, copy the following link:
https://raw.githubusercontent.com/sdknintex/Xtensions_examples/master/Airport/1.Airport%20Data.None.json
5. Wait for Nintex Workflow Cloud to validate the file.
6. Click **Next**.
7. The connector does not use **authorization**, so click **Next**.
8. Edit the **Name** of the connector. The connector name is used as the name of the action group in the Workflow designer.



9. Edit the **Description** of the connector. The description appears in the Custom connector list in the Xtensions page.
10. Select or upload an icon for the connector. The icon is displayed with each action or event in the Workflow designer



Note: You can download the icon we used in the examples [here](#).

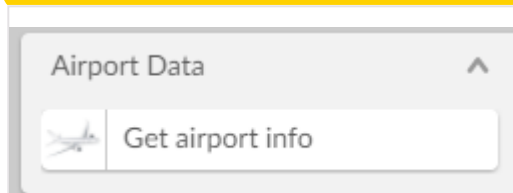
11. Click **Publish**.

Step 2: Create a workflow with the custom action

1. Click **Create workflow** in your Nintex Workflow Cloud tenancy.
2. Configure the **Start event** to be a **Public web form** with three text variables:
 - First Name
 - Email
 - Airport code

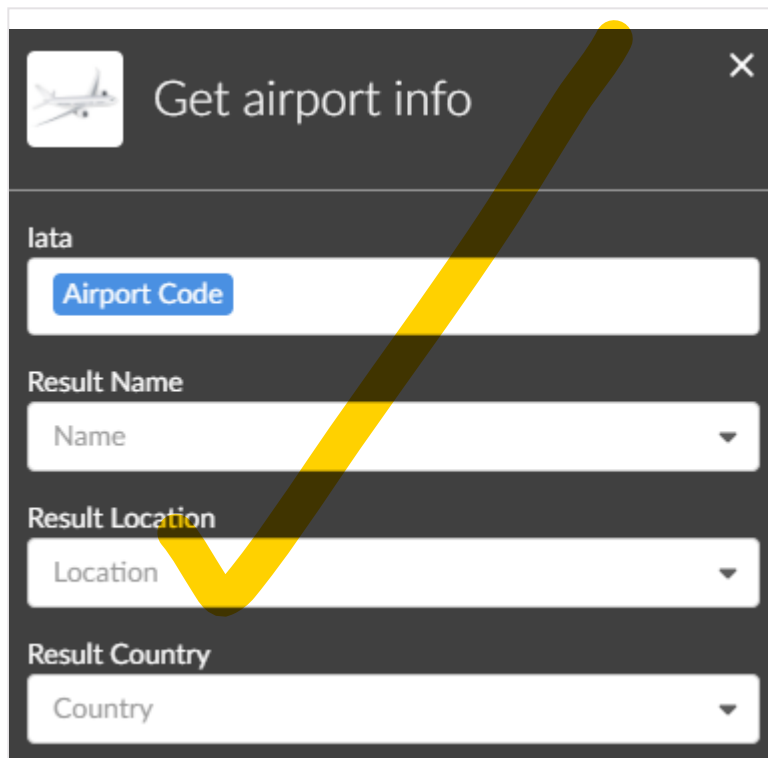
For more information on designing forms in Nintex Workflow Cloud, see [Design a form](#).

3. Scroll down the action toolbox to find the new Airport Data connector.

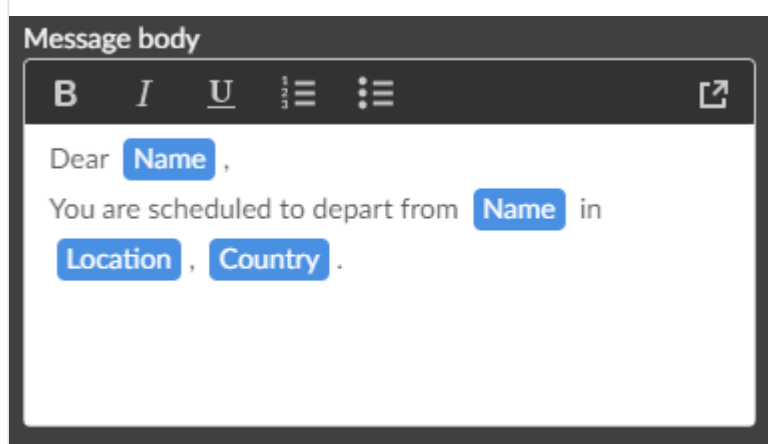


4. Drag the **Get airport info** action after the **Start event**.
5. Configure the **data** field to use the **Airport code** variable from the public web form.
6. Create a text variable for each of the result fields:
 - Airport Name
 - Location

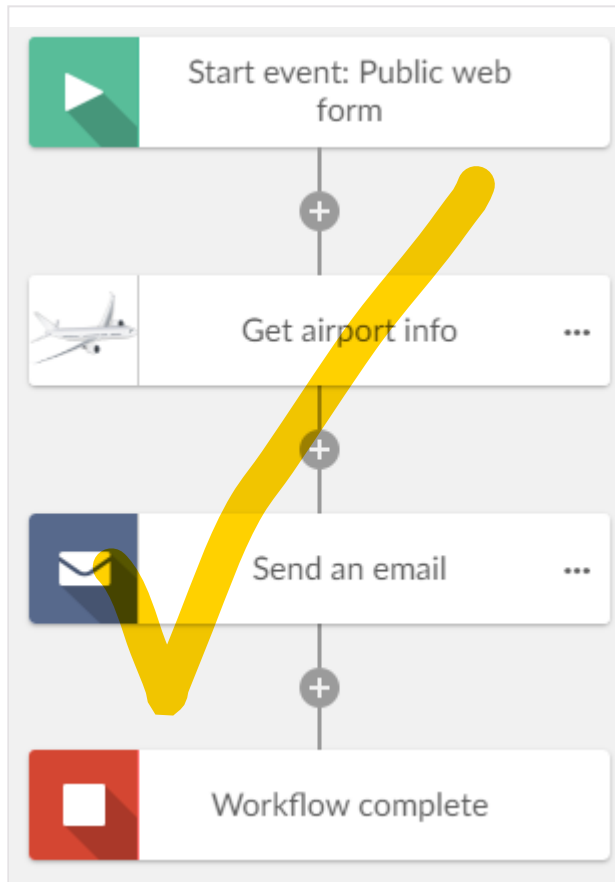
- o Country



7. Drag a **Send an email** action after the **Get airport info** action.
8. Configure the **Recipient email address** field to use the **Email** variable from the public web form.
9. Configure the **Subject** field to say **Departure information**.
10. Configure the **Message body** field to supply the airport name, location and country.



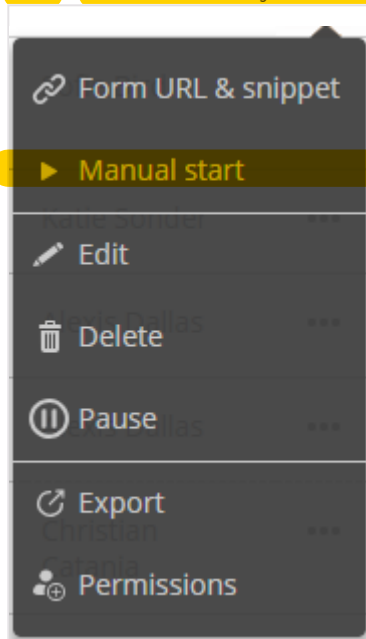
11. Publish the workflow.



For more information on creating workflows, see [Create your first workflow](#).

Step 3: Test the workflow

1. Click **Workflow** in your Nintex Workflow Cloud tenancy.
2. Click ... on the workflow you created.



3. Click **Manual start**.
4. Type your name and email address in the **Name** and **Email** fields.
5. Type **JFK** in the **Airport Code** field.

6. Click **Start** to receive an email with the message: You are scheduled to depart from John F Kennedy International Airport in New York, NY, United States.

Resources

[Search Resources](#)

[SDKs](#)

[Learning Center](#)

[Product Help](#)

[Status](#)

© 2018 Nintex Global Ltd. | [Legal](#) | [Security](#) | [Privacy](#)

Connect

[Community](#)

[Partner Central](#)

[Nintex Xchange](#)

[Blog](#)

