

Epicor ERP Get BAQ Activity

Introduction

An Epicor ERP get BAQ activity retrieves data from an Epicor ERP connection using a BAQ (Business Activity Query) and is used as a source in an operation. After configuring an Epicor ERP connection, you can configure as many Epicor ERP activities as you like for each Epicor ERP connection.

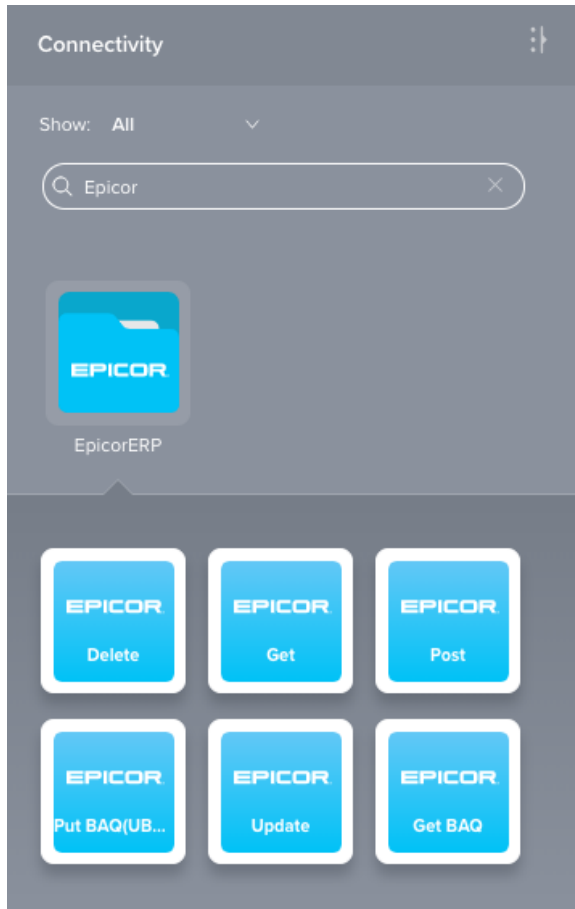
See also the [Epicor ERP Get Activity](#) which retrieves data without using a BAQ (Business Activity Query).

Creating an Epicor ERP Activity

From the design canvas, open the **Connectivity** tab of the design component palette:



Within the **Endpoints** filter, click the Epicor ERP connection block to display activities that are available to be used with an Epicor ERP connection:



To create an activity that can be configured, the activity must first be added to an operation on the design canvas. To add an activity to an operation, drag the activity block from the palette to the operation.

For more information about the parts of an operation and adding activities to operations, see [Operation Creation and Configuration](#).

Accessing Menu Actions

After an Epicor ERP activity has been added to an operation, menu actions for that activity are accessible from the project pane in either the **Workflows** or the **Components** tabs, and from the design canvas:

On This Page

- [Introduction](#)
- [Creating an Epicor ERP Activity](#)
- [Accessing Menu Actions](#)
- [Configuring an Epicor ERP Get BAQ Activity](#)
 - [Step 1 – Select a Service](#)
 - [Step 2 – Specify OData System Query Options](#)
 - [Step 3 – Review Data Schema](#)
- [Next Steps](#)

Related Articles

- [Component Dependencies, Deletion, and Removal](#)
- [Component Deployment](#)
- [Component Palette](#)
- [Design Canvas](#)
- [Epicor ERP Connection](#)
- [Epicor ERP Get Activity](#)
- [Epicor ERP Get BAQ Activity](#)
- [Epicor ERP Put BAQ \(UBAQ\) Activity](#)
- [Epicor ERP Post Activity](#)
- [Epicor ERP Update Activity](#)
- [Epicor ERP Delete Activity](#)
- [Operation Creation and Configuration](#)
- [Operation Options](#)
- [Operation Validity](#)
- [Plugins Added to an Activity](#)
- [Project Pane](#)
- [Transformation Creation and Configuration](#)

Related Topics

- [Cloud Studio](#)
- [Connectors](#)
- [Epicor ERP](#)
- [Operations](#)
- [Scripts](#)
- [Variables](#)

Last updated: Dec 13, 2019

- **Project Pane:** In the **Workflows** or **Components** tab of the project pane, hover over an activity name and click the actions menu icon to open the actions menu.
- **Design Canvas:** Within the operation, click an existing activity block to open the actions menu.

Each of these menu actions is available:

- **View/Edit:** This opens the activity configuration screen for you to configure the activity. For details, see *Configuring an Epicor ERP Get BAQ Activity* later on this page.
- **Delete:** This is used to permanently delete the activity.
- **Rename:** This positions the cursor on the activity name in the project pane for you to make edits.
- **View Dependencies:** This changes the view in the project pane to display any other parts of the project that the activity is dependent on.
- **Remove:** Available only from the actions menu on the design canvas, this removes the activity as a step in the operation without deleting it from the project. When you remove an activity that is adjacent to a transformation, if schemas are provided within that activity, they will no longer be referenced by the transformation. Removed components can be accessed or permanently deleted from the project pane.
- **Deploy:** This deploys the activity and any components it is dependent on.
- **Configurable Deploy:** This opens the deployment screen, where you can select project components to deploy.
- **Add to group:** This opens a prompt to create a new custom group or to add the component to an existing group.
- **Duplicate:** This creates a copy of the activity as a new, unreferenced component. Upon creating the component copy, the cursor is positioned on the component name within the project pane for you to rename the component.

Configuring an Epicor ERP Get BAQ Activity

Follow these steps to configure an Epicor ERP get BAQ activity:


- Step 1 – Select a Service
- Step 2 – Specify OData System Query Options
- Step 3 – Review Data Schema

Step 1 – Select a Service

The screenshot shows the configuration interface for the 'Get BAQ' activity. The 'NAME' field is filled with 'Get BAQ'. Under 'Select a Service', a search bar is present above a table. The table lists several services, with 'ARInvLn01' selected. Below the table, the 'Request Timeout' is set to 15 seconds. Navigation buttons are at the bottom.

| Name | Type | Object Description |
|-----------------------|-----------------------|-----------------------|
| ARInvLn01 | ARInvLn01 | ARInvLn01 |
| ARInvTracker | ARInvTracker | ARInvTracker |
| COM-90DaysSubcontShip | COM-90DaysSubcontShip | COM-90DaysSubcontShip |
| COM-90DaysSCRel | COM-90DaysSCRel | COM-90DaysSCRel |
| COM-CustContacts | COM-CustContacts | COM-CustContacts |

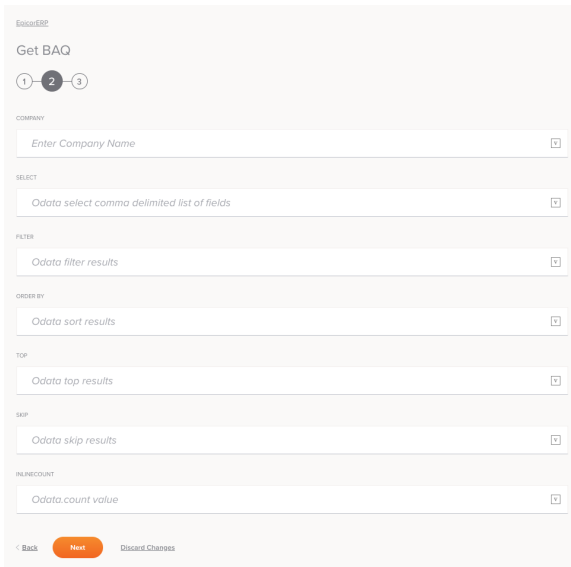
- **Name:** Enter a name to use to identify the Epicor ERP get BAQ activity. The name must be unique for each get BAQ activity and must not contain forward slashes (/) or colons (:).
- **Select a Service:** This section displays services available in the Epicor ERP endpoint. When reopening an existing activity configuration, only the selected service is displayed instead of reloading the entire service list.
 - **Selected Epicor ERP Service:** After a service is selected, it will be listed here.
 - **Search:** Enter any part of the service name into the search box to filter the list of services. The search is not case-sensitive. If services are already displayed within the table, the table results will be filtered in real time with each keystroke. To reload services from the endpoint when searching, enter search criteria and then refresh, as described below.


- **Refresh:** Click the refresh icon  or the word **Refresh** to reload services from the Epicor ERP endpoint. This may be useful if you have recently added services to the Epicor ERP instance. This action refreshes all metadata used to build the table of services displayed in the configuration.
- **Select a Service:** Within the table, click anywhere on a row to select a service. Only one service can be selected. The information available for each service is fetched from the Epicor ERP endpoint:
 - **Name:** The service name from Epicor ERP.
 - **Type:** The service type from Epicor ERP.
 - **Object Description:** The service description from Epicor ERP.

TIP: If the table does not populate with available services, the [Epicor ERP connection](#) may not be successful. Ensure you are connected by reopening the connection and retesting the credentials.

- **Optional Settings:** Use the disclosure control to expand and see the available optional settings. One optional setting is currently available.
 - **Request Timeout:** Set the **Request Time** limit (in either seconds or minutes) for the **Request Timeout**. If not set, by default it is 15 seconds.
- **Save & Exit:** If enabled, click to save the configuration for this step and close the activity configuration.
- **Next:** Click to temporarily store the configuration for this step and continue to the next step. The configuration will not be saved until you click the **Finished** button on the last step.
- **Discard Changes:** After making changes, click **Discard Changes** to close the configuration without saving changes made to any step. A message will ask you to confirm that you want to discard changes.

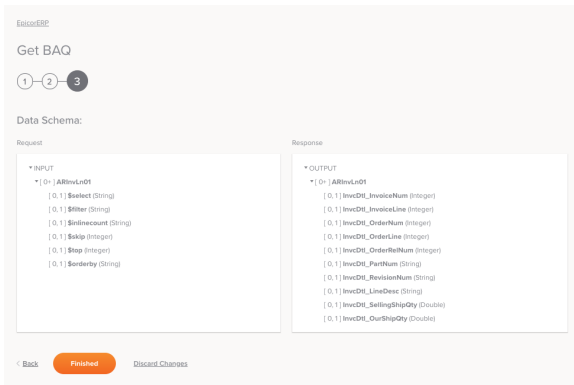
Step 2 – Specify OData System Query Options



TIP: Fields with a variable icon  support using global variables, project variables, and Jitterbit variables. Begin typing an open square bracket [into the field or click the variable icon to display existing variables to choose from.

- **Company:** Enter a company (optional).
- **Select:** Specify an OData select system query option as a comma-delimited list of fields (optional).
- **Filter:** Specify an OData filter system query option to filter results (optional).
- **Order By:** Specify an OData orderby system query option to sort results (optional).
- **Top:** Specify an OData top system query option of the number of results to be included (optional).
- **Skip:** Specify an OData skip system query option of the number of results to be skipped (optional).
- **Inline Count:** Specify an OData count system query option to request a count of the matching resources included with the resources in the response (optional).
- **Back:** Click to temporarily store the configuration for this step and return to the previous step.
- **Next:** Click to temporarily store the configuration for this step and continue to the next step. The configuration will not be saved until you click the **Finished** button on the last step.
- **Discard Changes:** After making changes, click **Discard Changes** to close the configuration without saving changes made to any step. A message will ask you to confirm that you want to discard changes.

Step 3 – Review Data Schema



- **Data Schema:** The request and response data schemas from Epicor ERP will be displayed. If the operation uses a transformation, the data schemas will be displayed again later during the transformation mapping process, where you can map to target fields using source objects, scripts, variables, custom values, and more.

The Epicor ERP connector uses the Epicor REST API, available in a Swagger UI from `https://<epicor-host-name>/Server/api/help/`. Refer to the API documentation for information on the schema fields. (A login to Epicor is required; substitute your Epicor host name in the above URL.)

- **Back:** Click to temporarily store the configuration for this step and return to the previous step.
- **Finished:** Click to save the configuration for all steps and close the activity configuration.
- **Discard Changes:** After making changes, click **Discard Changes** to close the configuration without saving changes made to any step. A message will ask you to confirm that you want to discard changes.

Next Steps

After configuring an Epicor ERP get BAQ activity, complete the configuration of the operation by adding and configuring other activities, transformations, or scripts as operation steps. You can also configure an operation's operation settings, which include the ability to chain operations together that are in the same or different workflows.

Epicor ERP get BAQ activities can be used as a source with these operation patterns:

- [Transformation Pattern](#)
- [Two-Target Archive Pattern](#) (as the first source only)
- [Two-Transformation Pattern](#) (as the first or second source)

Other patterns are not valid using Epicor ERP get BAQ activities. See the validation patterns on the [Operation Validity](#) page.

An example of using the activity in an operation:



To use the activity with scripting functions, write the data to a temporary location and then use that temporary location in the scripting function.

When ready, deploy and run the operation and validate behavior by checking the operation logs.