

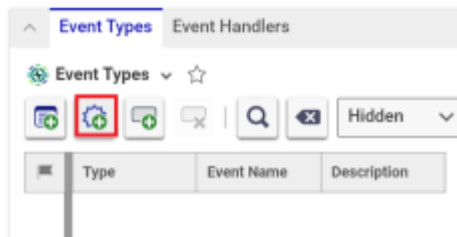
Custom Event Type

A **Custom Event Type** allows administrators to use method code to add events to the publishing queue. This capability enables publishing for events that fall outside the scope of the **Event Handling Framework's** standard **Item Event Types**.

Create Custom Event Type

The following steps outline the process of creating a **Custom Event Type**:

1. On the **Subscription** form, click **Edit**.
2. From the **Subscription** form, scroll down to the **Event Types** tab and click **New Event Type**.



The **Select Item Type** dialog box appears.



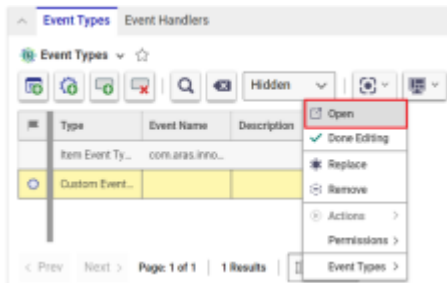
3. Select **Custom Event Type** and click **OK**.



A new row appears on **EventTypes** tab.



4. Right-click on the newly added row and click **Open**.



The **Custom Event Type** form appears.



5. Add the Event Name and Description.

The **Event Name** is required to map the event in the publishing queue to the type of event.

6. Click **Done** to save.

The **Handled By** tab shows all the **Event Handlers** that process this **Custom Event Type** grouped by **Subscriptions**. Make sure to save the **Subscription** otherwise the **Subscription** will not be visible.

The Administrators need to develop the method to generate the **Server Events** that triggers to add events in the publishing queue.

Important

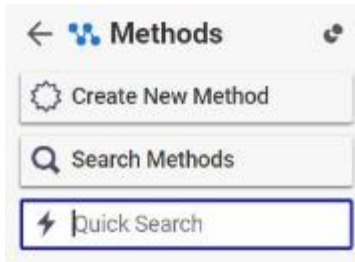


The Execution allowed to field should be set to **ehf_EventPublishers** when creating a **Server Events** method.

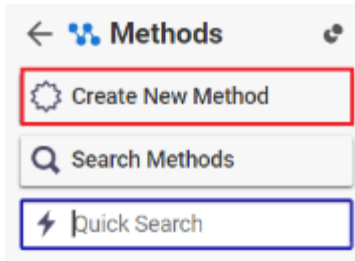
Create Custom Event Method

The following steps outline the process of creating the **Custom Event Methods**:

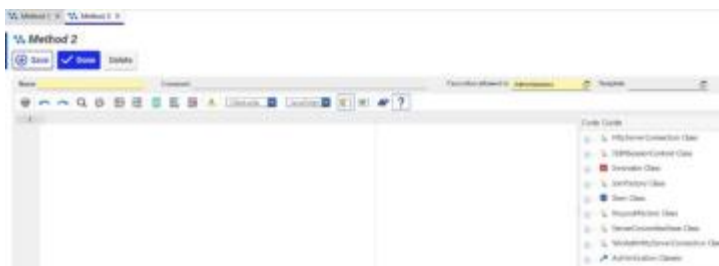
1. From the **Table of Contents**, expand **Administration** and select **Methods**. The **Methods Table of content** appears.



2. Click **Create New Method**.



The Method form appears.



3. Add the Method **Name** and the following properties:
 - o **Method Location**: Server-Side



- **Method Type:** C#
- **Execution Allowed To:** ehf_EventPublishers

4. Write the method code that will add a custom event to the publishing queue.

The following sample code demonstrates how to use the **ehf_PublishEvent** action to add a **Custom Event** to the queue. Replace the highlighted text with the data that will be processed by an **Event Handler Method** (see section “Create Event Handler Method”):

```
Item publishEvent = this.newItem("Method", "ehf_PublishEvent");  
  
Item eventItem = this.newItem();  
  
eventItem.setProperty("type", "Custom Event Type Name");  
  
eventItem.setProperty("subject", "context item id or subject string");  
  
eventItem.setProperty("data", "context item data");  
  
publishEvent.setPropertyItem("event", eventItem);  
  
Item result = publishEvent.apply();  
  
return this;
```

5. Click **Done** to save.

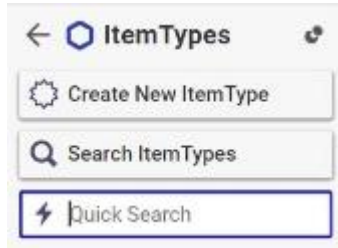
Configure Custom Event Method Execution

To publish a **Custom Event**, the **Custom Event Method** created in section “**Create Custom Event Method**” must be executed as an ItemType Server Event, an Action, or some other process.

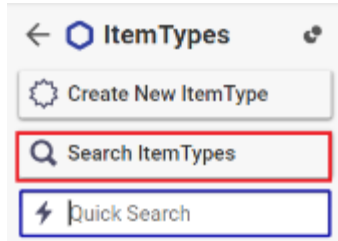
The following steps outline the process of adding the **Custom Event Method** as a **Server Event** on an **ItemType**:

1. From the **Table of Contents**, expand **Administration** and select **ItemTypes**. The **ItemTypes Table of Contents** appears.





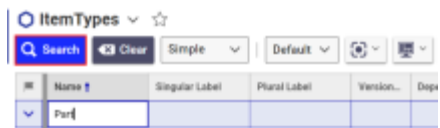
2. Click **Search ItemTypes**.



The **ItemTypes** grid appears.

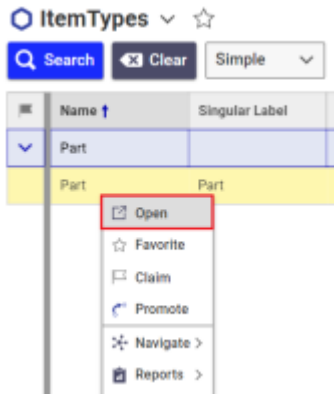


3. In the Name field, enter the required ItemType whose data should be published and click **Search**.



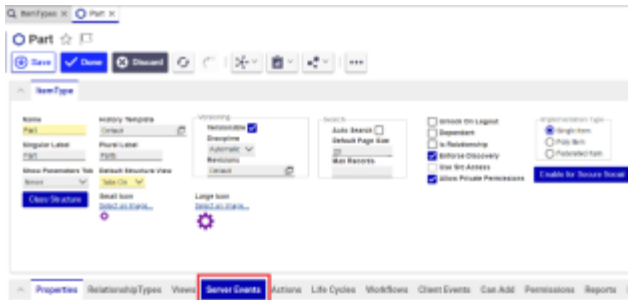
4. Right click the ItemType in the grid and click **Open**.



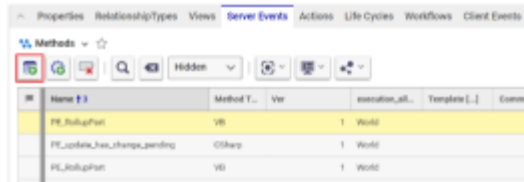


5. Click **Edit**.

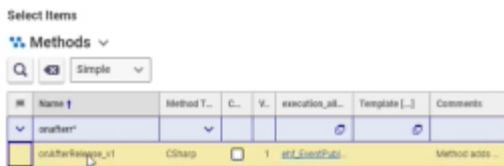
6. Click the **Server Events** tab.



7. Click **Add Methods**.

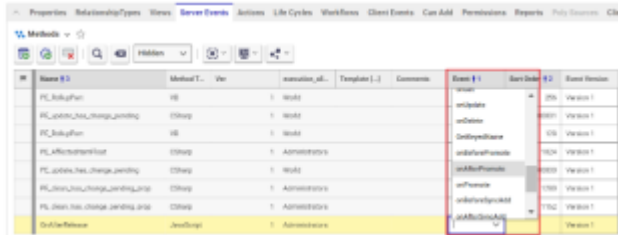


8. In the **Select Items** dialog box, search for the method created in the **Create Custom Events Method** section and click **OK**.



9. In the newly created **Server Event** row, choose the **Event** that should trigger the execution of the **Method**.





10. Click **Done** to save.

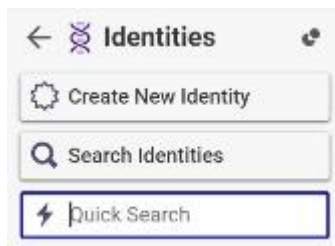
For more information on configuring Server Methods, please see the **Developing Solutions Training Guide** or the **Aras Innovator Programmer's Guide**.

Configure Event Publisher Identity

The **ehf_EventPublishers Identity** is a group Identity used to grant permissions for adding event to the publishing queue. Any users who may cause an event to be added to the publishing queue should be added to this Identity.

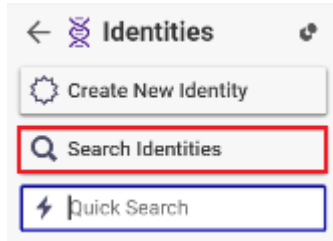
The following steps outline the process of adding one or more Users (or group Identities) to the **ehf_EventPublishers Identity**:

1. From the **Table of Contents**, expand **Administration** and select **Identities**. The Identities Table of Contents appear:

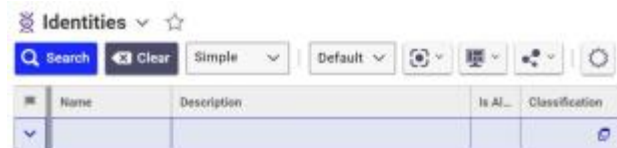


2. Click **Search Identities**.



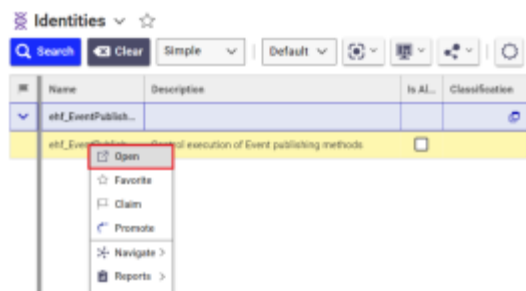


The Identities Search grid appears.



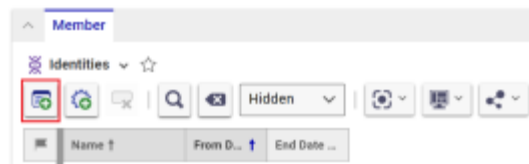
3. In the Name field, enter **ehf_EventPublishers** and click **Search**.

4. Right-click on the **ehf_EventPublishers** and click **Open**.



5. Click **Edit**.

6. In the Member tab, click **Add Identities**.



7. In the Select Items dialog box, select one or more Identities to include in the event publishing group and click **OK**.



Select items

Identities

Search

Name	Description	In Use	Classification
atp			
atp_eventAdmin...	Manage event types, event handlers and subscrip...	<input type="checkbox"/>	
atp_eventHandler...	Control execution of event handlers methods	<input type="checkbox"/>	
atp_eventPublish...	Control execution of event publishing methods	<input type="checkbox"/>	

8. Click **Done** to save.

