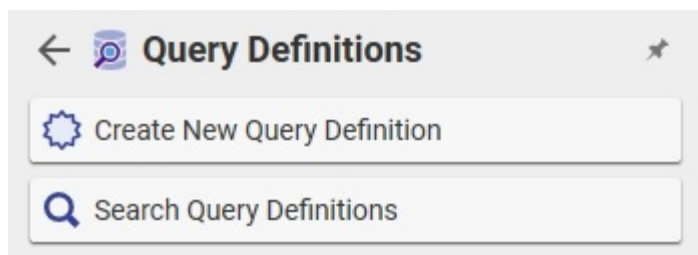


Using Max and Min Aggregate Functions in a Query

The following example demonstrates how to use the Max() aggregate function in a Where clause to identify the latest related part using the generation property. The Max() aggregate function returns the maximum value of a specified property. Similarly, the Min() aggregate function returns the minimum value of a specified property. You can use a statement like this in the conditional logic applied to either a Join or Where clause when defining a Query Definition.

1. Go to **Contents --> Administration --> Configuration --> Query Definitions**. The menu shown in Figure 45 appears.



2. Click **Create New Query Definition**. A blank **Query Definition** dialog appears.



Query Definition 2



Save



Done

Delete



Query Definition

Name

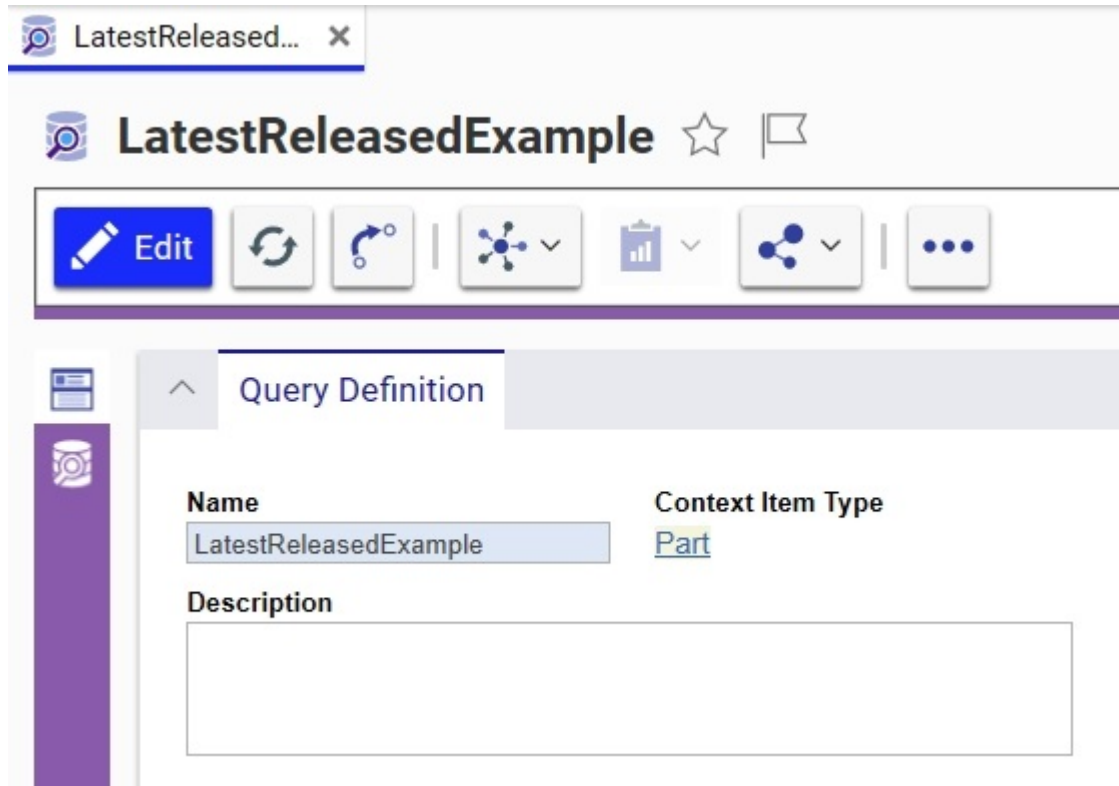
Context Item Type



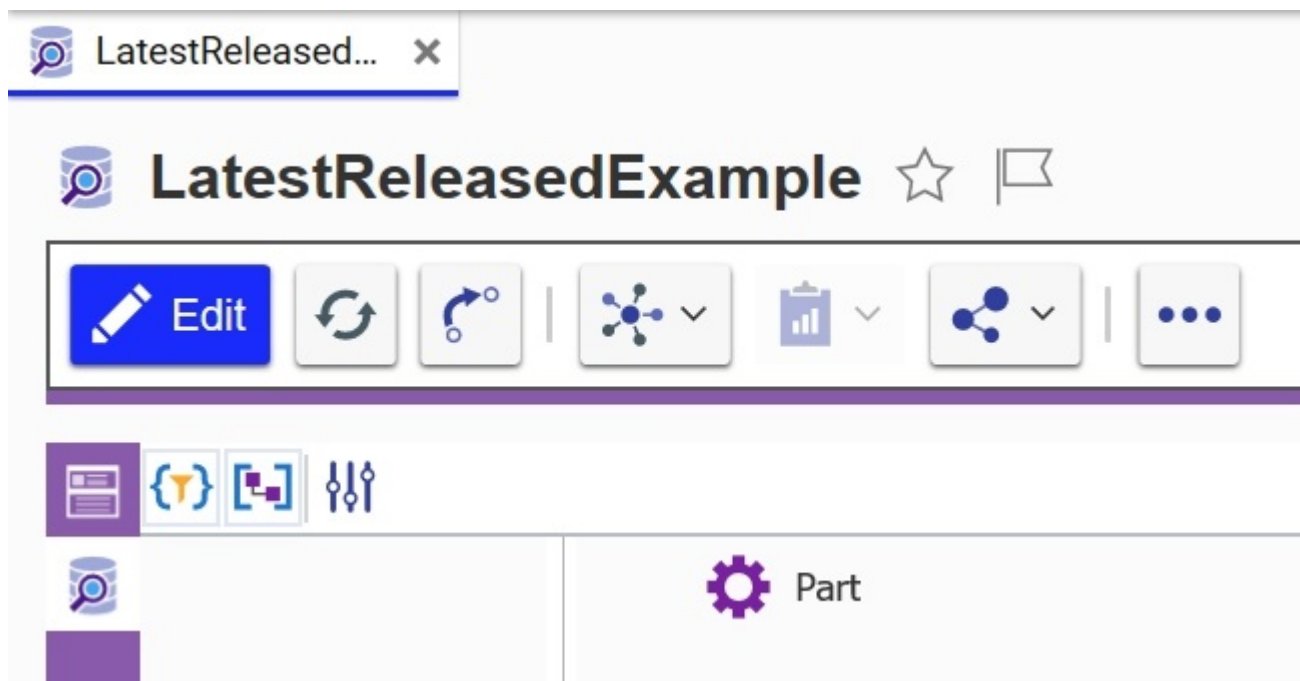
Description

3. Enter the **Query** title in the **Name** field.
4. Click the ellipses in the **Context Item Type** field and select **Part**.
5. Click null . The Show Editor button appears in the ribbon.

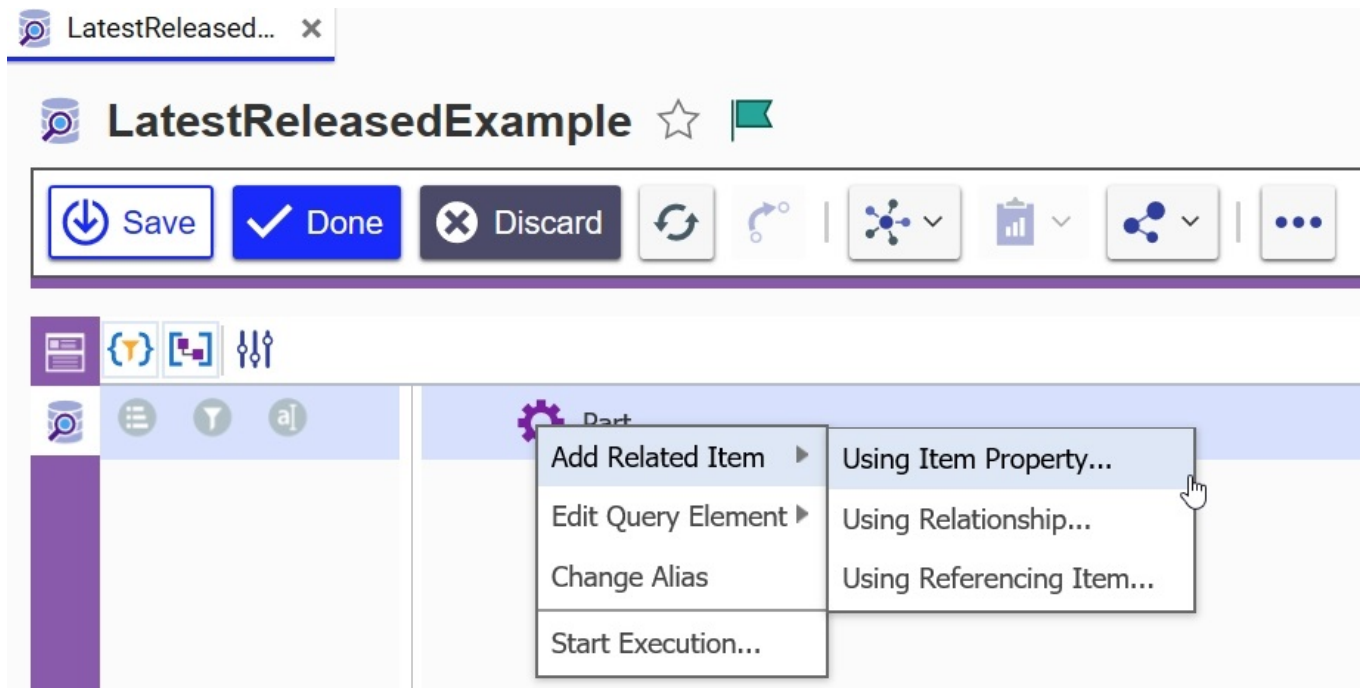




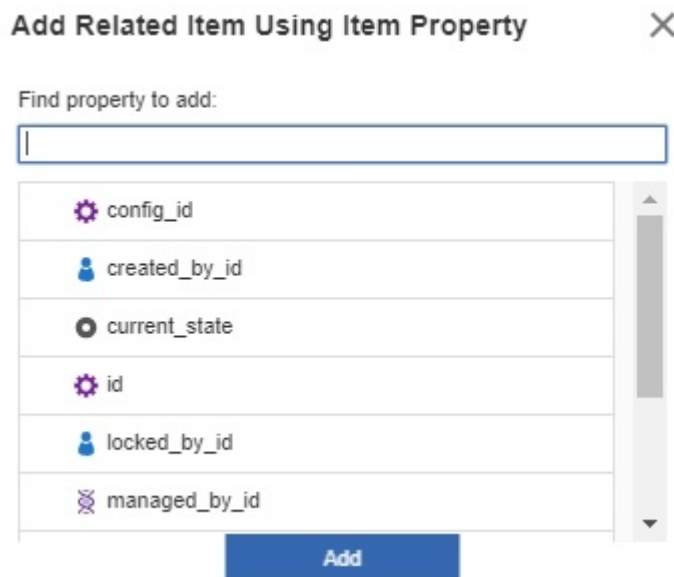
6. Click the **Show Editor** button. The dialog appears displaying the context item.



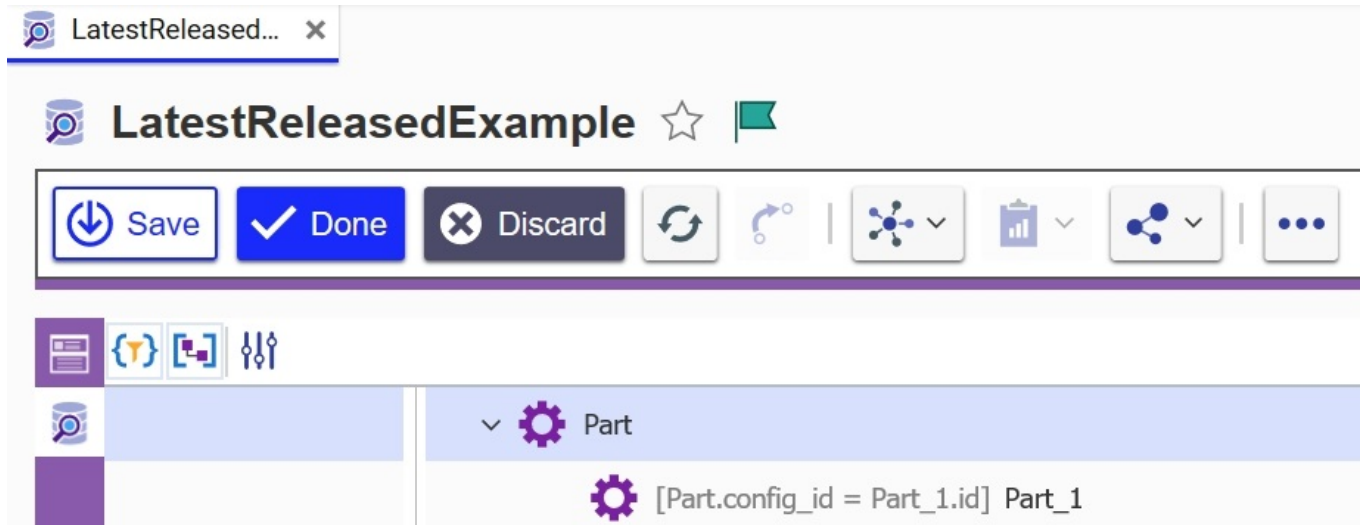
7. Right-click on the context item and select **Add Related Item --> Using Item Property**.



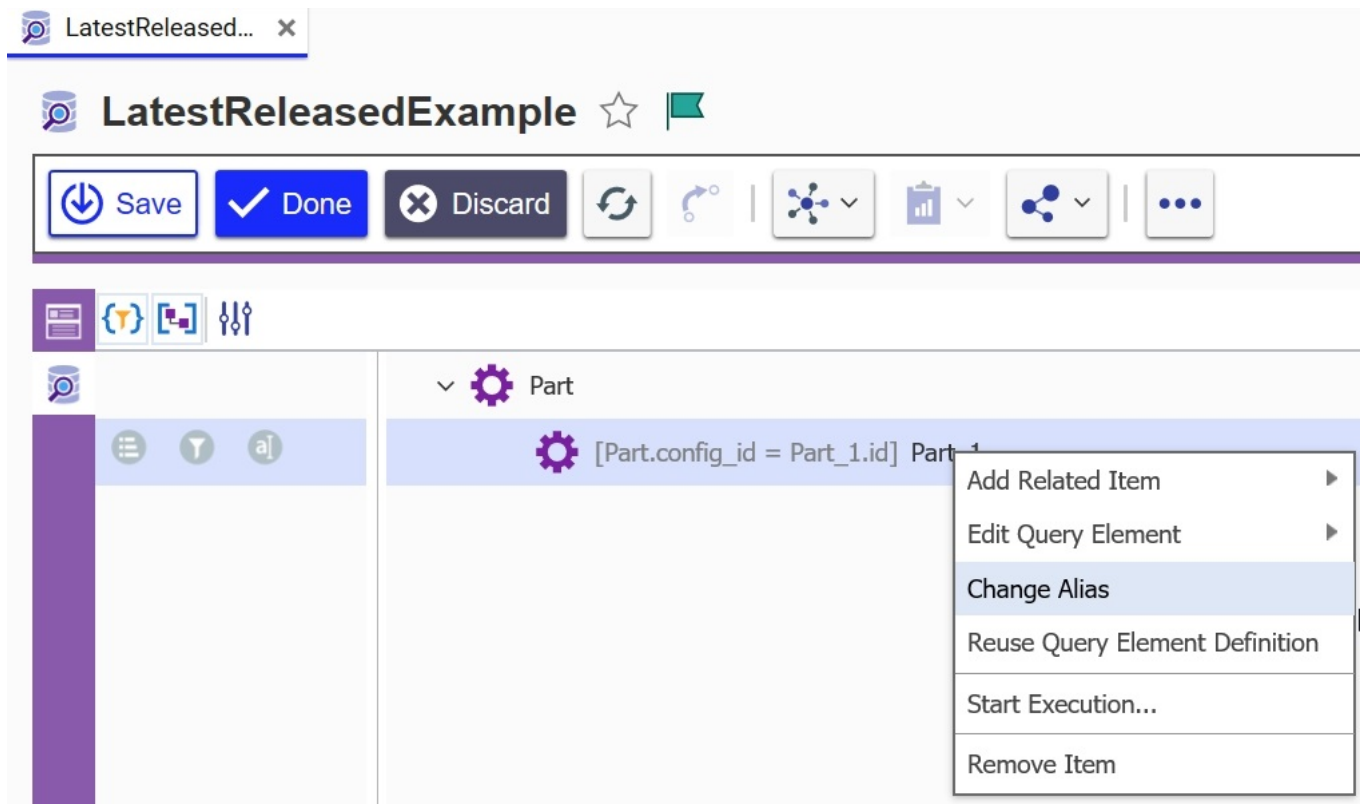
The dialog box shown in figure 50 appears.



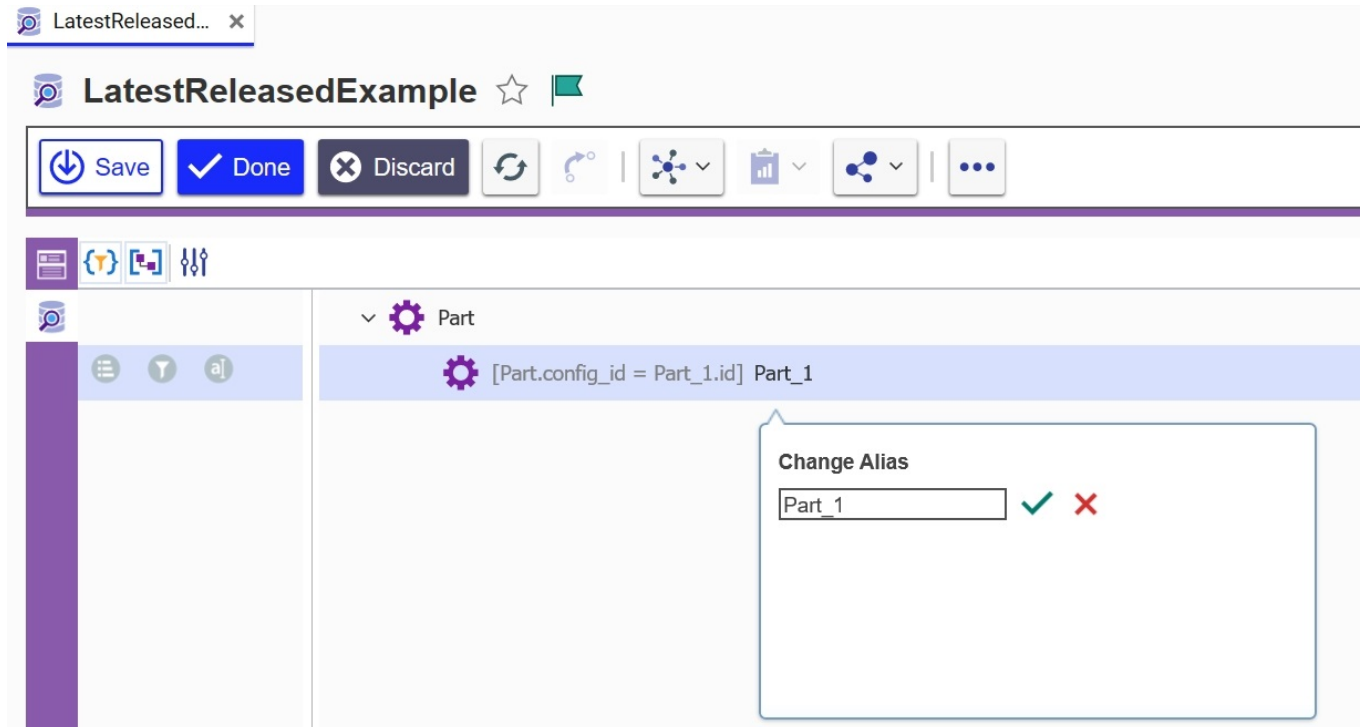
8. Select **config_id** and click **Add**.



9. Right-click the **Where** condition button and click **Change Alias** in the context menu:

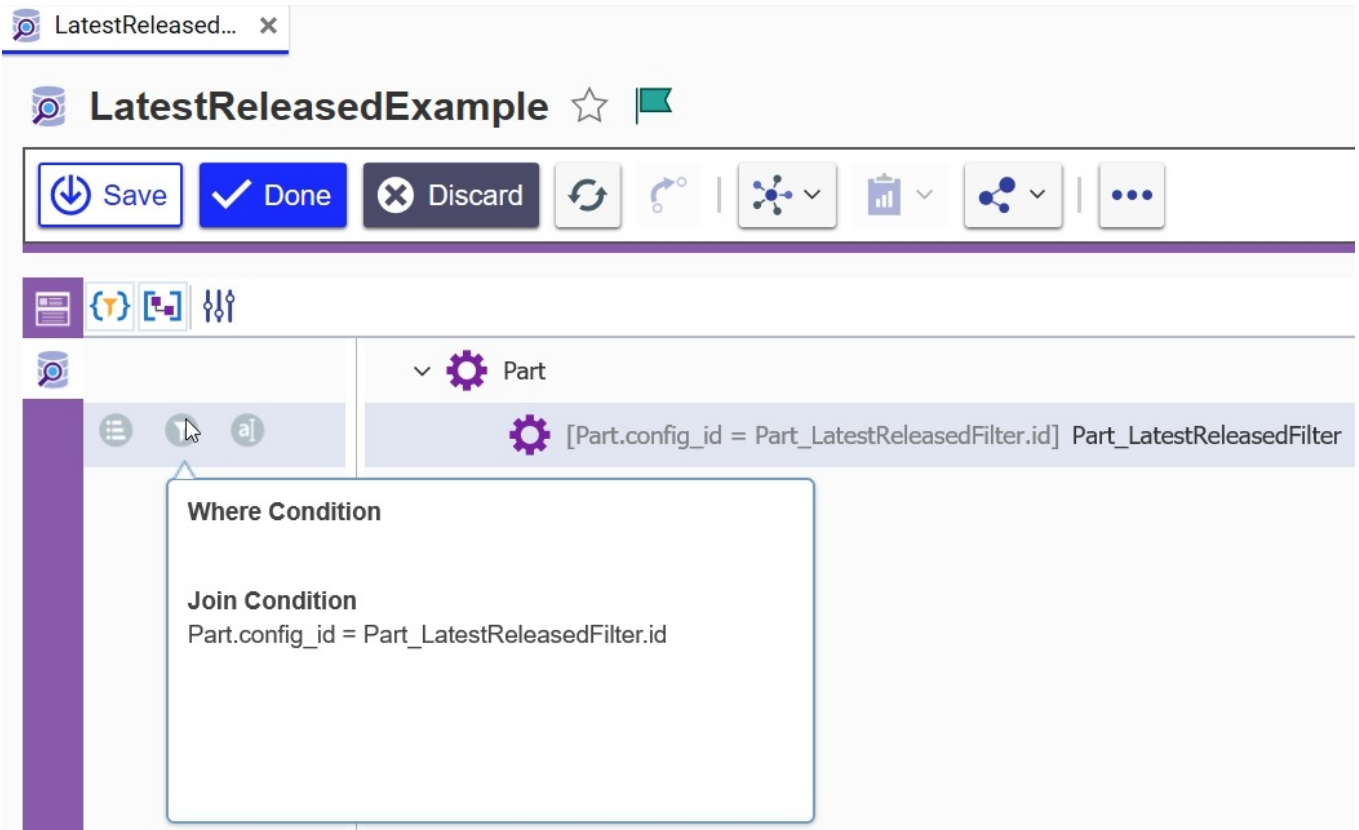


The **Change Alias** dialog appears.

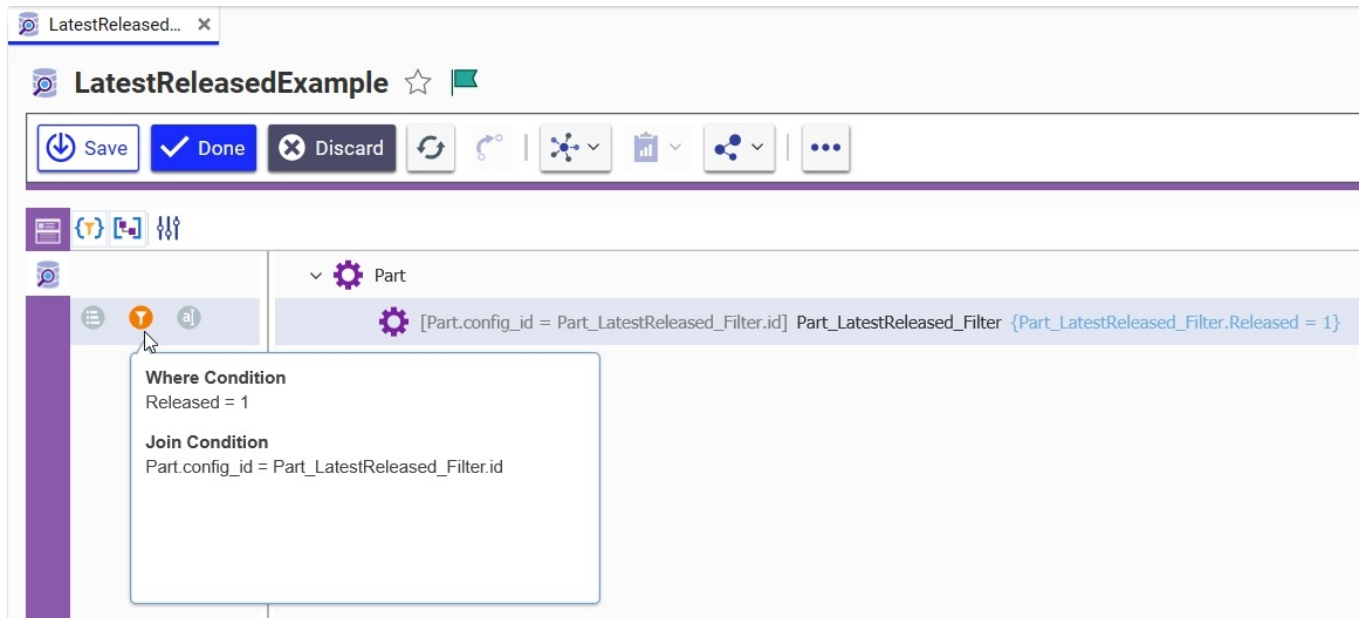


10. Change the alias to Part_LatestReleased_Filter and click null .

11. Click the **Where** condition button and create a join condition for the child **Part** as shown in Figure 54.

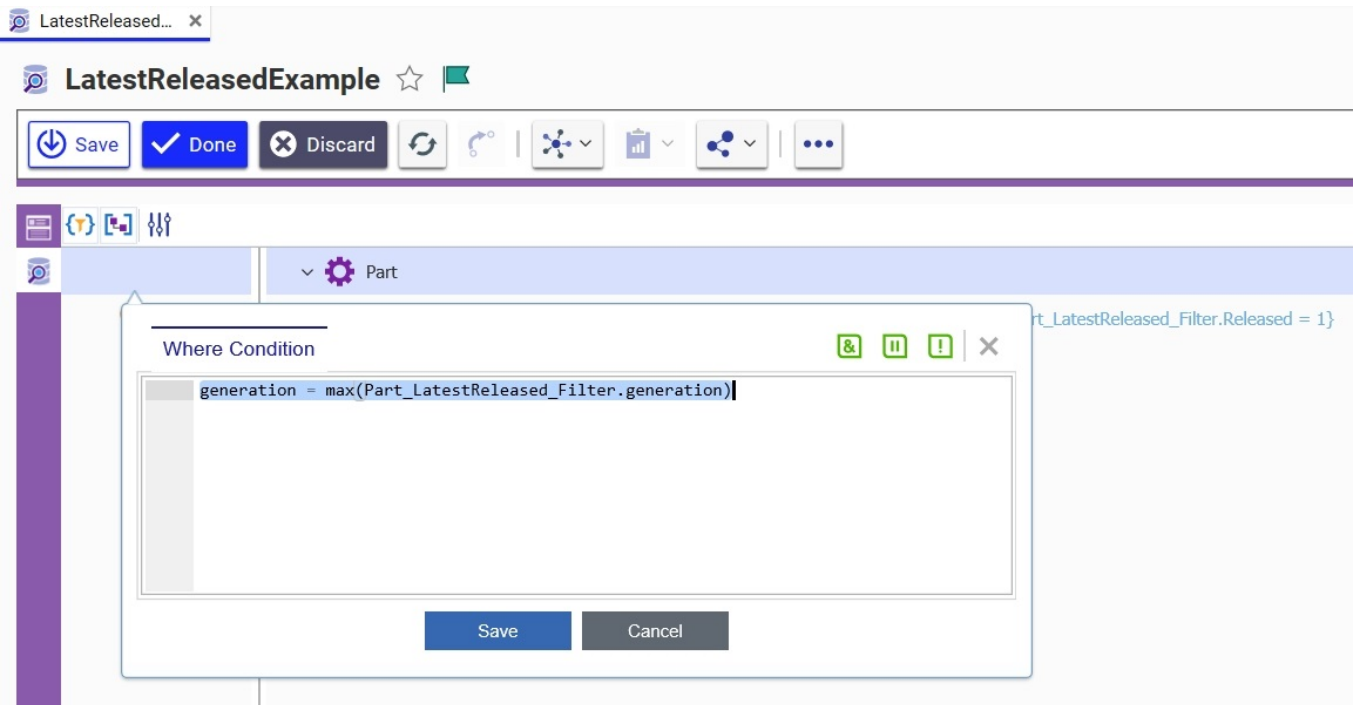


- Click the **Where** condition icon to create the where condition for the query as shown in Figure 55.



13. Click **Save**.

14. Select the parent **Part** and click the **Where** condition button to create the expression as shown in Figure 56.



15. Click **Save**. The **Show Editor** dialog displays the parent and child parts.



The query returns the most recent version of released **Parts** associated with a particular **config_id**.