Topic updated on September 21, 2023
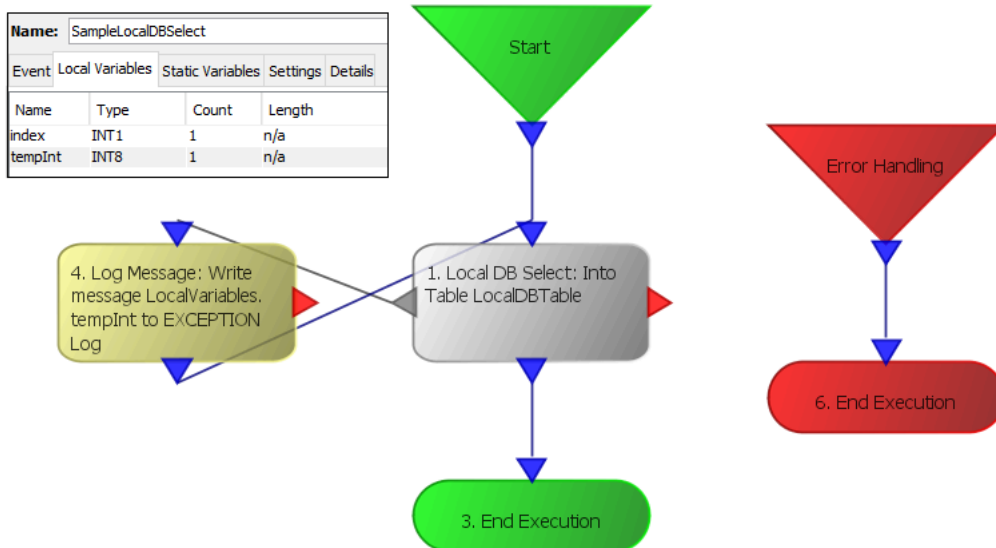
Example using Local DB Select action

Assumptions

The following is assumed:

- You know how to create a trigger and add actions to that trigger using the Canvas Editor. For more information on the Canvas Editor, see Using the Canvas Editor.

- You are familiar with Structured Query Language (SQL) and relational databases.

Retrieving data from a local database table using Local DB Select

This example describes a trigger that when executed retrieves rows from a local database table using the **Local DB Select** action. The following shows a portion of the sample trigger:

The sample trigger has a **Local DB Select** action and **Log Message** action.

Using the **Local DB Select** action, each column can be mapped to a variable (including trigger variables and device variables).

In order to process the data retrieved, the **Local DB Select** action must iterate through the rows returned by the SQL Select operation. You can process the column values for each row using the **Next Row** option on the **Local DB Select** action **Routing** tab. The last action on the **Next Row** route must be routed to the **Local DB Select** action.

For this example, there is only one action to execute from the **Next Row** route. The **Log Message** action **Success** route is returning to the **Local DB Select** action.

When there are no more rows to process and no errors encountered, the logic flow from the **Local DB Select** action will follow the **Success** route. The number of times the **Next Row** route will be executed is given by the values returned in **Rows Selected**. The **Row Index** keeps track of the current row being processed.

Related topics

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