

★★★★ Day 97 ★★★★★
of Our Daily UiPath Q&A
Challenge!

Welcome to Day 97 of our exciting
UiPath Q&A Challenge! Each day,
we'll be answering one key
question to help you master
UiPath and revolutionize your
automation journey. 🚀

🚫 Question for Today

Explain Global Exception Handle ?

Global Exception Handler

- The Global Exception Handler is a type of workflow designed to determine the project's behavior when encountering an execution error. Only one Global Exception Handler can be set per automation project.
- Note: The Global Exception Handler is not available for library projects, only processes.
- The Global Exception Handler has two arguments, that should not be removed.
- The first argument is `errorInfo` with the In direction and it stores information about the error that was thrown and the workflow that failed. The level of the error to be logged can be set in the Log Message activity.
- Use the `ActivityInfo` property for `errorInfo` to get the name of the activity which threw the exception and view it in the Output panel.
- The second argument, `result` has the Out direction and it is used for determining the next behavior of the process when it encounters an error. The following values can be assigned to the result argument:
 1. Continue - The exception is re-thrown.
 2. Ignore - The exception is ignored, and the execution continues from the next activity.
 3. Retry - The activity which threw the exception is retried. Use the `RetryCount` method for `errorInfo` to count the number of times the activity is retried.
 4. Abort - The execution stops after running the current Global Exception Handler.
- Any workflow may be flagged as a Global Exception Handler in Studio, except for library projects and `Main.xaml`.
- To control the workflow's behavior in case of an error, the Global Exception Handler retries the activity three times and then aborts with an error message.

Adding a Global Exception Handler

In the Design tab part of the Ribbon, select New > Global Handler. The New Global Handler window opens. Type in a Name for the handler and save it in the project path. Click Create, a Global Exception Handler is added to the automation project

Example

When the Global Exception Handler encounters an exception, it logs the name of the activity which faulted and starts retrying the activity three times. If it encounters the same exception each time and the number of retries reaches 3, the execution is aborted at the level of the activity which threw the exception. If during one of the retries an exception isn't encountered, the execution of the workflow continues and the Global Exception Handler doesn't step in.

Download example from below link

https://documentationexamplesrepo.blob.core.windows.net/examples/Studio_v2022.10/GlobalHandler_Example.zip

The image shows two windows from the Studio v2022.10 Global Exception Handler configuration interface.

The top window, titled "Log Error", has a "Log Level" dropdown set to "Error" and a "Message" text box containing "errorInfo.Exception.ToString".

The bottom window, titled "Choose Next Behaviour", prompts the user to "Choose the action to be taken after the Global Exception Handler steps in:". It lists four options: "Continue - The exception is re-thrown.", "Ignore - The exception is ignored, and the execution continues from the next activity.", "Retry - The activity which threw the exception is retried.", and "Abort - The execution stops after running the current handler." The "Continue" option is selected.

Below the action selection, there is a "Condition" field with the expression "errorInfo.RetryCount < 3".

The "Then" section contains an "Assign" activity where the variable "result" is assigned the value "ErrorAction.Retry".

The "Else" section contains another "Assign" activity where the variable "result" is assigned the value "ErrorAction.Abort".