# Error Handling - Test for Task Error

Summary: We've created a sample integration that creates a mapping error, so that we can show how to test for an Error after any task. The mapping condition will try to retrieve the third element of a string array, and the default test input only has 2 elements. This will cause an error. By creating a local variable called ErrorMessage, we can then use the Edge conditions to test to see if the ErrorMessage exists (has data in it from the Error), or whether it remains empty (success).

How to use the Sample Integration

The Error Handline sample here in GitHub is an example of how this is done.
- Download the sample .json file to your local computer with a browser
- Create a new integration (you can call it ErrorHandlingSample or whatever you want)
- Use the Upload button on the main ribbon at the top of the canvas to import the sample .json file. Select "Upload".
- Select the sample .json file from your local drive, and click on Open.
- Fill out your email address in the two "Send Email" tasks to test it.
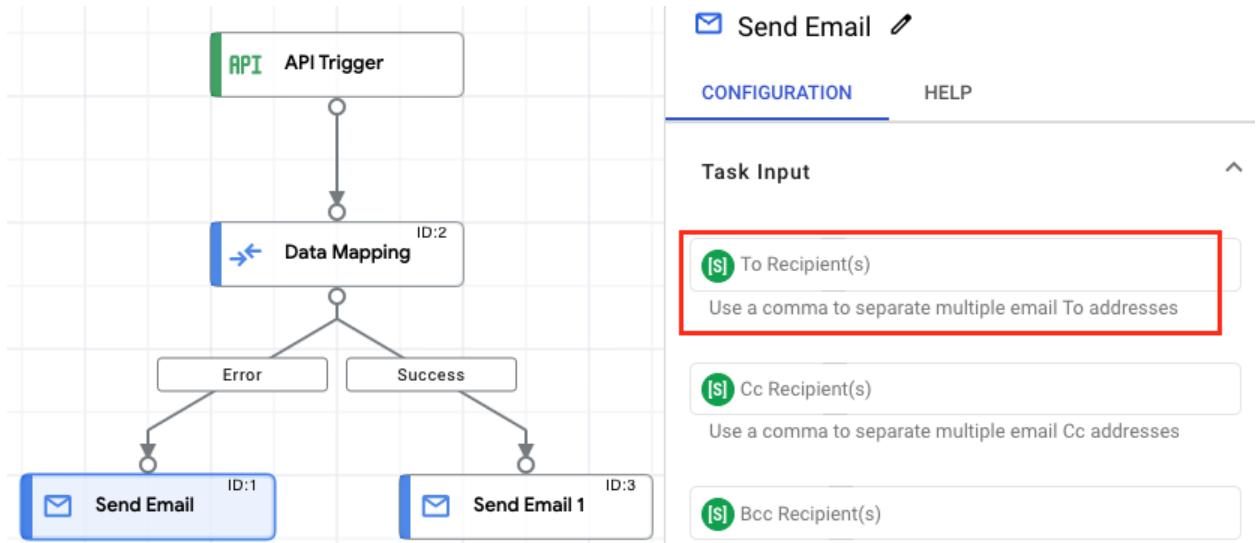
To TEST: The Default input variable will cause it to have an error and follow that route. Just click on **TEST** button at the top right of your screen, and then click on TEST INTEGRATION.

Test again with a successful mapping task:
 If you add a digit by typing 3 (or choose any number) to the test input, it will go to the success route.

You should receive an email with an indication of Success, and it will include the third element in the email body.

How to Configure from Scratch

Here are the instructions for how to replicate this sample.

1. For the task that you want to test for the error, set the Retry on Failure setting to "Ignore" for the "When integration is run synchronously".
   a. This tells Integration to continue running even if there was an error. Otherwise, it will halt execution and put the integration into a Failure state.

2. Create a variable in your integration called "ErrorMessage" and leave the definition and default value empty

Configure Variable

Name

ErrorMessage

Data Type

STR String

Default Value

Blank default value means...

○ Null   ◉ Empty String

> ⓘ   An 'input' variable allows integration runners to pass values in. 'Output' variables are returned to integration runners.

☐ Use as an input to integration

☐ Use as an output of integration

Searchable in Execution Logs

No

(Note: If you don't create the variable, the edge condition will not work)

3. On the error edge, add a condition (click on the line between your tasks), you can check for this condition to see if there is an error: exists($ErrorMessage$)

4. To route to the successful branch, use this condition on the success edge : NOT exists($ErrorMessage$)

5. If you click on the circle on the bottom of the Data Mapping task, make sure "Run all match" is selected.

API Trigger

Data Mapping ID:2

Error   Success

Send Email ID:1   Send Email 1 ID:3
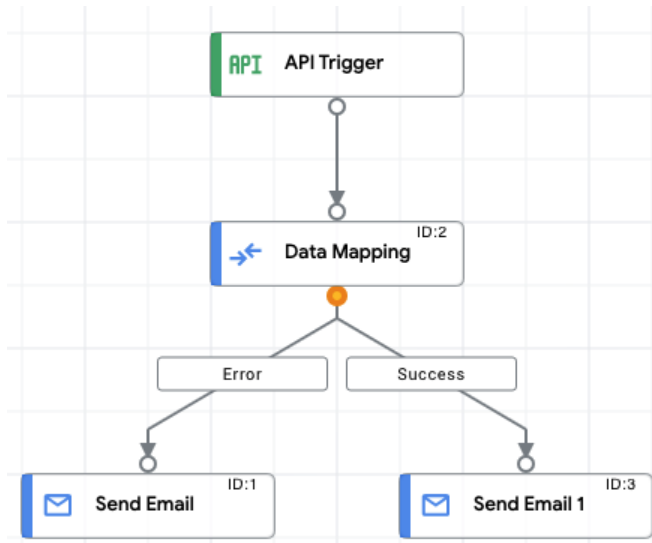
Fork

CONFIGURATION   HELP

Next Task Execution Policy ⓘ   ⌃

Execution policy
Run all match   ▾