#uipath
Re-framework
improvements that were released in 21.10 latest version

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100 RPA Developers in 30 days Projects starts from 1 dec 2021
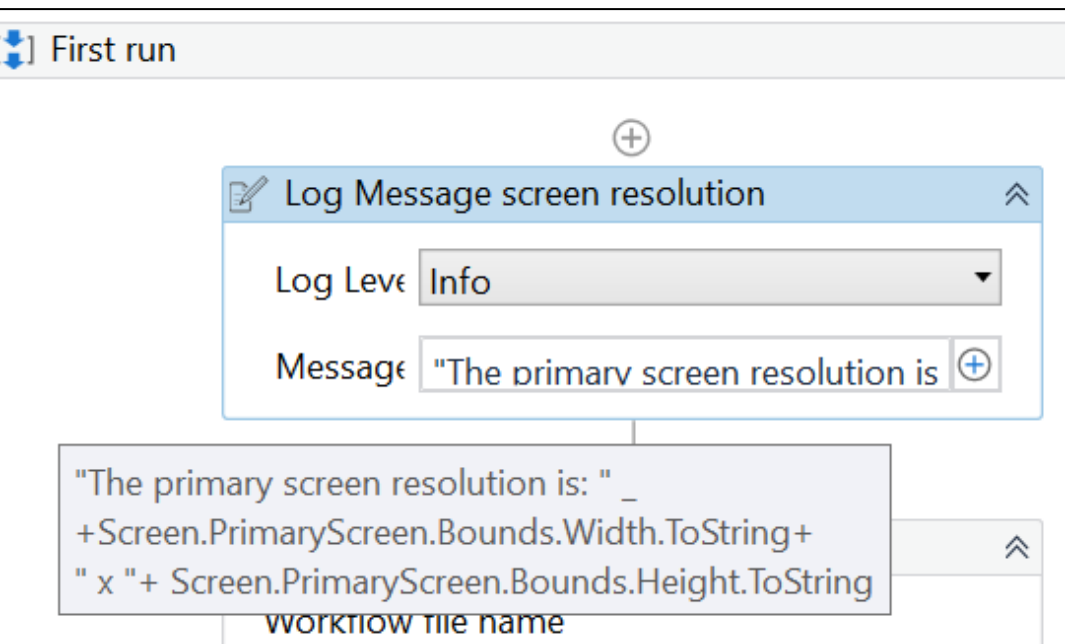
1. Orchestrator Queue folder name

Added Orchestrator Queue folder name in config

Name	Direction
in_OrchestratorQueueName	💬In
in_OrchestratorQueueFolder	💬In

Create Argument

Allows the Orchestrator folder name where the queue is created to be passed as an argument, instead of only being defined in the configuration file.

Main also has a new input argument

A	B	
Name	**Value**	**Description**
OrchestratorQueueName	ProcessABCQueue	Orchestrator queu
OrchestratorQueueFolder		Folder name. The

2. In the init state the screen resolution can be logged

First run

Log Message screen resolution

Log Leve | Info

Message | "The primary screen resolution is ⊕

"The primary screen resolution is: " _
+Screen.PrimaryScreen.Bounds.Width.ToString+
" x "+ Screen.PrimaryScreen.Bounds.Height.ToString
Workflow file name

3. Added maximum consecutive retry number for persistent system exceptions. If that retry number was reached, then the job is marked as failed

If maxConsecutiveSystemExceptions exceeded

If MaxConsecutiveSystemExceptions number was reached, throw Exception at initialization and go to End Process state, thus finalizing the execution.
If MaxConsecutiveSystemExceptions is 0, then any number of consecutive System Exceptions is allowed.

Condition

Cint(Config("MaxConsecutiveSystemExceptions"))>0 AndAlso Conse ⊕

Show Else

Cint(Config("MaxConsecutiveSystemExceptions"))>0 AndAlso ConsecutiveSystemExceptions>=Cint(Config("MaxConsecutiveSystemExceptions"))

Throw Consecutive Exc

4. Process.xaml moved to the framework folder

> **Framework**
>> **Ui** CloseAllApplications.xaml
>> **Ui** GetTransactionData.xaml
>> **Ui** InitAllApplications.xaml
>> **Ui** InitAllSettings.xaml
>> **Ui** KillAllProcesses.xaml
>> **Ui** Process.xaml
>> **Ui** RetryCurrentTransaction.xaml
>> **Ui** SetTransactionStatus.xaml
>> **Ui** TakeScreenshot.xaml

5. If the declared asset in config (Assets sheet) is missing in orchestrator then the process stops in the init phase itself, which was not happened in the previous versions

For each asset row

ForEach	In
Row	dt_Assets

Try retrieving asset from Orchestrator ≫

Try

Get asset from Orchestrator ≫

⊕

🔒 **Get Orchestrator asset** ≫

Asset name

row("Asset").ToString

Asset value

AssetValue

↓

A→B **Assign asset value in Config**

out_Config(row(= AssetValue

⊕

Catches

Exception	Exception

If asset name is specified, but it cannot be retrieved ≫

Logs a message and throw exception in case the asset is specified in the Config file, but it could not be loaded from Orchestrator.

Condition

Not String.IsNullOrWhiteSpace(Row("Name").ToString.Trim)

Show Else

Then

▣ Throw AssetFailedToLo:

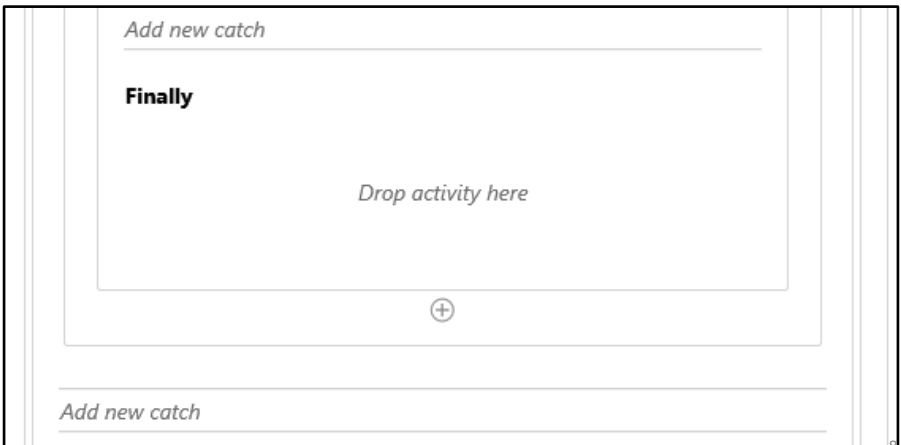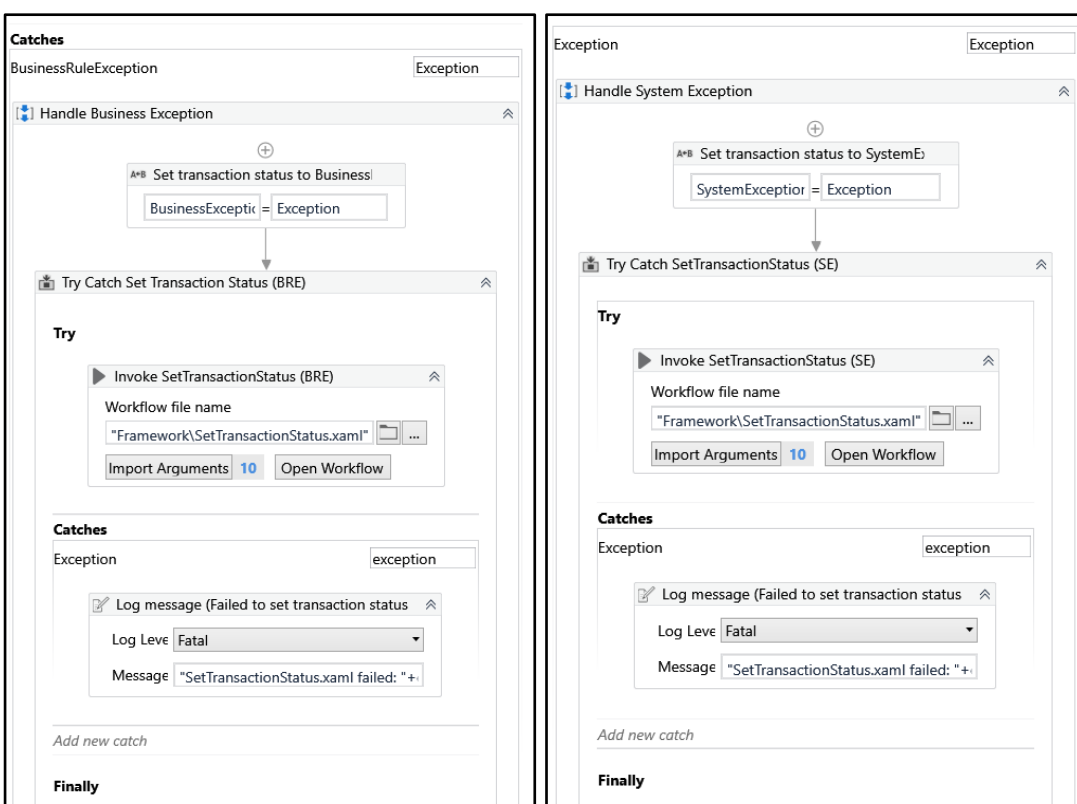# 6. SetTransactionStatus.xaml - Added after process.xaml in the same try block

7. Set Transaction status xaml added for each type of exception (System or Business)
Finally block contains no code

Catches

BusinessRuleException | Exception

[ ] Handle Business Exception ⌃

⊕

A*B Set transaction status to Business

BusinessExceptio = Exception

↓

Try Catch Set Transaction Status (BRE) ⌃

Try

▶ Invoke SetTransactionStatus (BRE) ⌃

Workflow file name

"Framework\SetTransactionStatus.xaml" 📁 ...

Import Arguments **10** | Open Workflow

Catches

Exception | exception

📝 Log message (Failed to set transaction status ⌃

Log Leve Fatal ▼

Message "SetTransactionStatus.xaml failed: "+

Add new catch

Finally

Exception | Exception

[ ] Handle System Exception ⌃

⊕

A*B Set transaction status to SystemE

SystemException = Exception

↓

Try Catch SetTransactionStatus (SE) ⌃

Try

▶ Invoke SetTransactionStatus (SE) ⌃

Workflow file name

"Framework\SetTransactionStatus.xaml" 📁 ...

Import Arguments **10** | Open Workflow

Catches

Exception | exception

📝 Log message (Failed to set transaction status ⌃

Log Leve Fatal ▼

Message "SetTransactionStatus.xaml failed: "+

Add new catch

Finally

Add new catch

Finally

Drop activity here

⊕

Add new catch

8. Set System Exception status

Failed queue items updates with the location of associated exception screenshot.

Properties

UiPath.Core.Activities.SetTransactionStatus

Common

ContinueOnError	Specifies to conti... ■ ...
DisplayName	Set transaction status (Sy
Timeout (milliseconds)	Specifies the amount ...

Input

Analytics	(Collection) ...
Output	(Collection) ...
Status	Failed
TransactionItem	in_TransactionItem ...

Misc

Folder Path	in_Config("Orchestra ...
Private	☐

Transaction Error

Details	if(String.IsNullOrE ⊕ ...
ErrorType	Application

if(String.IsNullOrEmpty
(ScreenshotPath),String.Empty,"Screenshot: "+
ScreenshotPath)

mException.l ...