CTX-Variable-Rename User Guide

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Preface

About this Manual

This document is a user guide for the CTX-Variable-Rename module

Audience

The audience for this document is those wanting to understand how to use CTX-Variable-Rename module.

Disclaimer

While this module has been successfully tested for a variety of flows and subtasks, due to the complex nature of Cortex flows there may still be unlikely edge cases where:

- A reference to a variable is not renamed.
- A symbol with the same name as a variable is renamed where it should not have been.

Therefore, it is advisable to check that flows and subtasks function as expected after renaming their variables.

Related Material

Document
CTX-Variable-Rename Deployment Plan
CTX-Variable-Rename.studiopkg

Abbreviations used in this Document

None

Versions

Document Revisions

The following revisions have been made to this document

Date	Revision	Notes
21/05/2019	1.0	First Release

Module Versions

The following revisions have been made to this module

Date	Revision	Notes
21/05/2019	1.0	Creation of: • CVR-Rename-Variables • CVR-Select-Variables-To-Update

Requirements

This document details all the items required to deploy the CTX-Variable-Rename module.

Requirements:

- A minimum of Cortex v6.4 Installed on the Cortex Server
- A minimum of PowerShell v5 installed on the Cortex Server

Integration

Integration with Third-Party Systems

PowerShell v5 is used to perform the renaming of variables within the flow file, executed by Cortex using the Cortex PowerShell OCI.

Integration with Existing Infrastructure

The flows included in this module interact with Cortex Gateway and the Cortex Flow API using REST. Details of precisely what credentials and other parameters are required may be found in Section 3 of the CTX-Variable-Rename Deployment Plan.

1 Variable Rename Overview

1.1 Using the Module

The Cortex Variable Rename module focuses on the updating of variable names within a flow or subtask, both when the variables are declared in the variable store and when they are referred to in block properties. After performing the rename the flow or subtask should function in the exact same manner as it did beforehand.

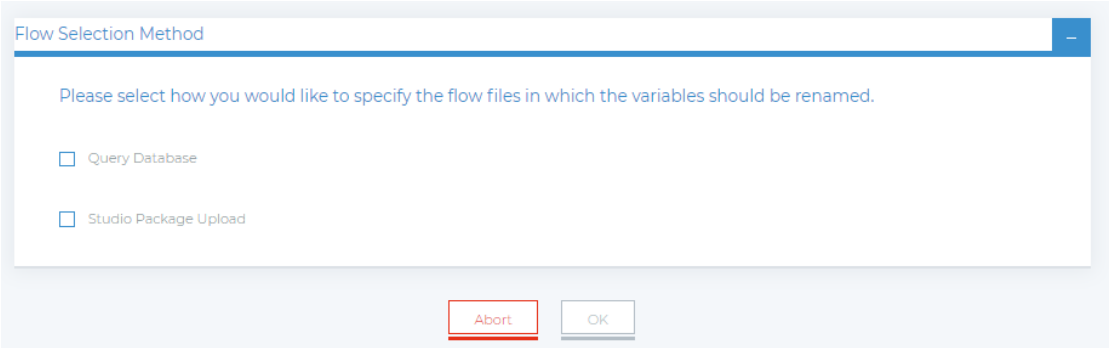
For example, the module could be used by a flow author who wishes to update a flow with ambiguously or vaguely named variables to have names that may be more meaningful to another author. Another common use may be to follow Cortex Best Practices by adding a subtask's acronym to the front of each variable it uses.

The module provides the following functionality:

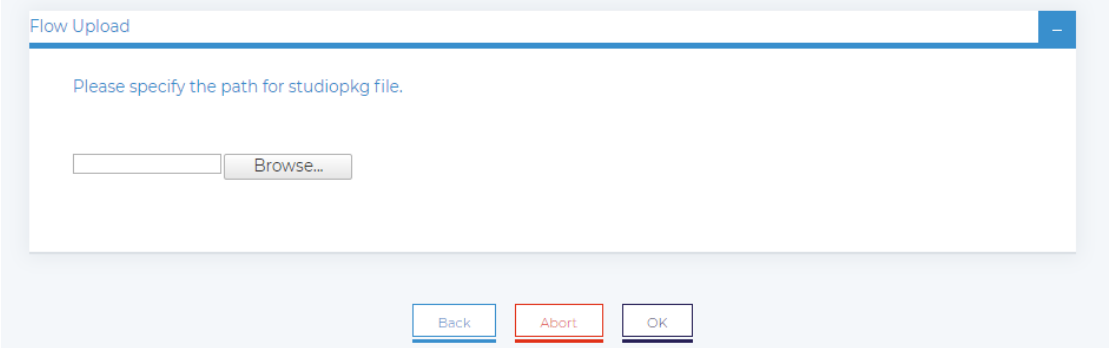
1. The user specifies if they wish to select a flow or subtask from Cortex application server to which the module has been imported, or if they wish to upload a studio package containing it.
2. The variables used by the flow or subtask are displayed to the user and they may specify a new name for each.
3. The variables are renamed accordingly.

1.2 User Experience

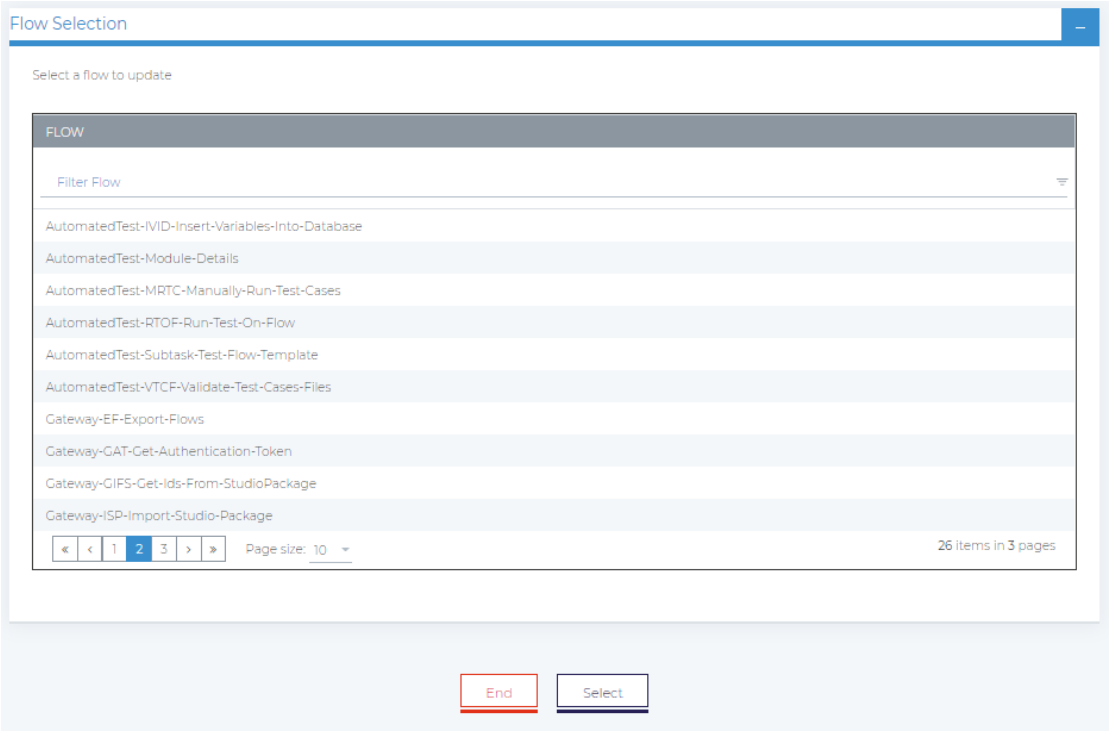
1. To use the Cortex Variable Rename Module the user should execute the flow 'CVR-Select-Variables-To-Update'.
2. They are then presented with a page allowing them to choose the method by which flows are selected. Once a method has been chosen, they should select `OK`.



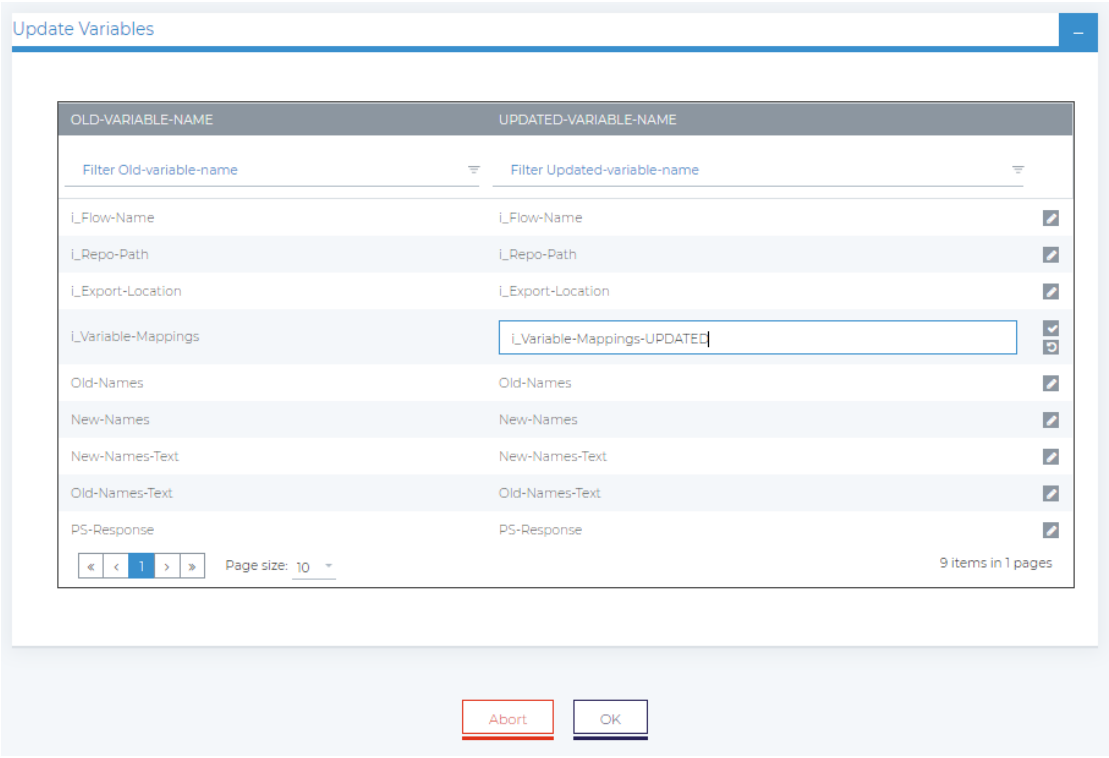
3. If `Studio Package Upload` was selected, the user will be able to upload a .studiopkg file using the `Browse` button. Once a they have done so, they should select `OK`.



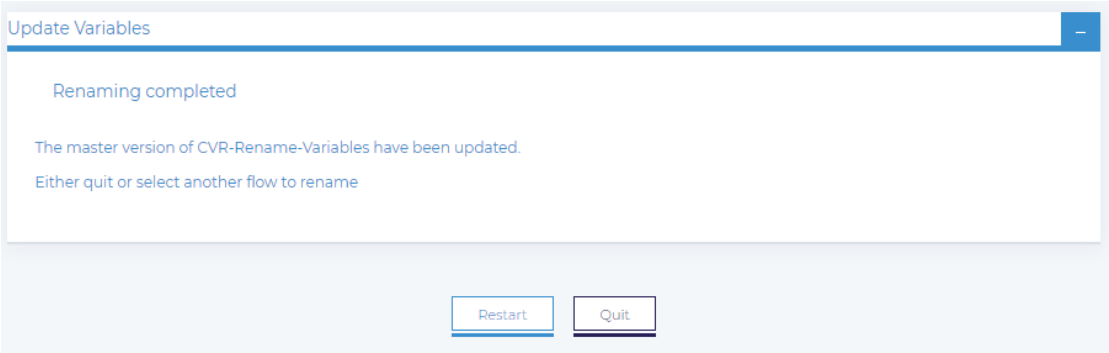
4. If `Query Database` was selected, the user will be able to select a flow that is in the CortexWeb database. They may click through pages listing flows and/or filter the list of flows that are displayed. Once a flow has been chosen, they should choose `Select`.



5. The user will be shown a table containing all the variables used by the flow in both of the two columns. The cells in the right-hand column are editable so the user may define what they wish the variables to be renamed to.



6. Once the user is satisfied with their new variable names, they should select `OK` and wait for the flow to complete the renaming. They will be displayed a message telling them that the renaming has been completed and they should select if they wish to quit or start again, renaming another flow.



2 Variable Rename Flows

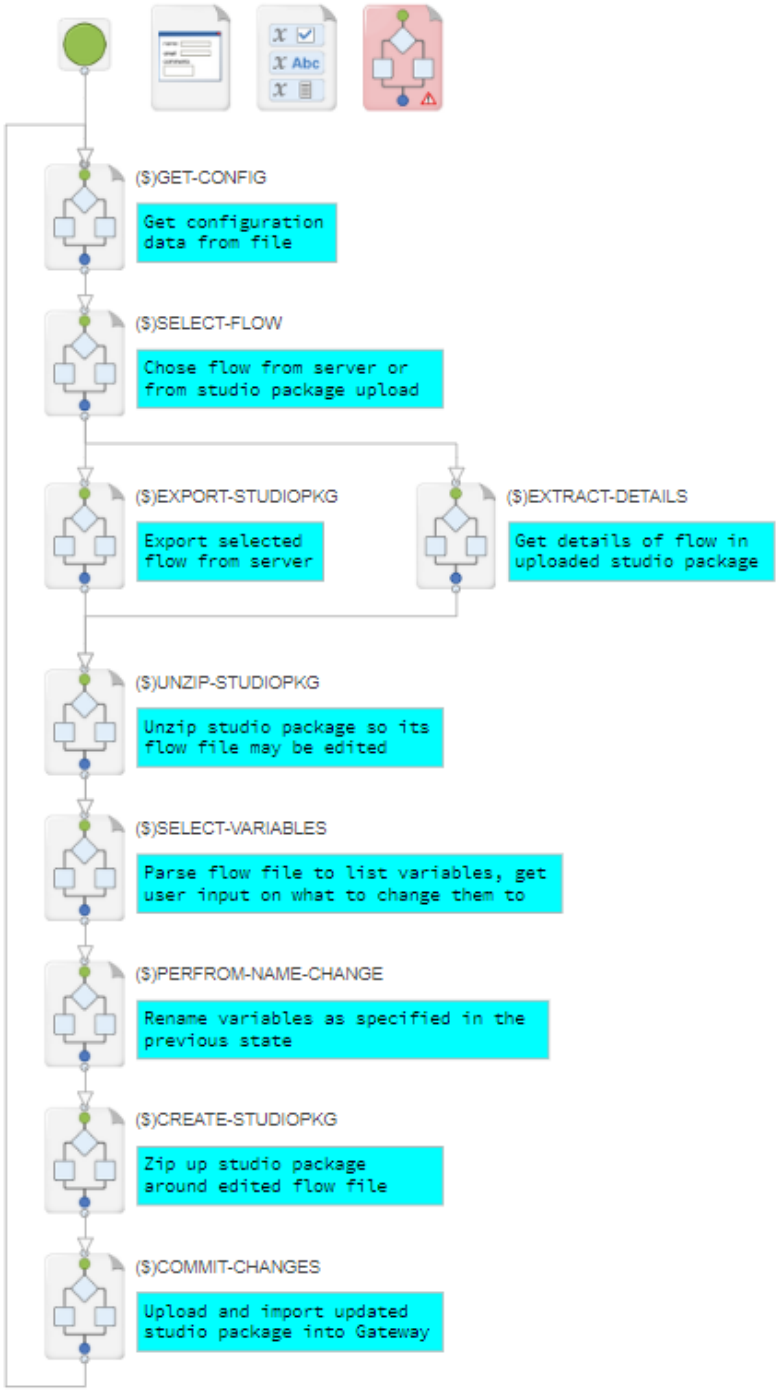
2.1 CVR-Select-Variables-To-Update

2.1.1 Overview

The ‘CVR-Select-Variables-To-Update’ LivePortal flow is applied by the user to

- Either select a flow or subtask from the server or upload a studio package containing one.
- Select variables that the user wishes to rename and specify the new name of each.

2.1.2 States



2.1.3 Inputs

Name	Type	Comments
($)i_Config-File-Path	Text	The path to the config file on the server. Default value is 'C:\Cortex\VariablesRenaming.txt'

2.1.4 Outputs

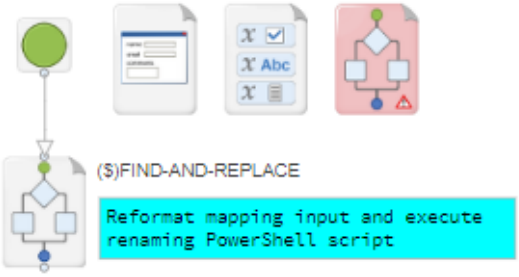
None

2.2 CVR-Rename-Variables

2.2.1 Overview

Given a structure variable mapping old variable names to new ones, the 'CVR-Rename-Variables' flow will reformat this to be compatible with PowerShell and then execute a script that applies these changes to a given flow file.

2.2.2 States



2.2.3 Inputs

Name	Type	Comments

($)i_Variable-Mappings	Structure	Mapping of old variable names to the names to which they are to be updated.
		
		E.g.
		{
		"OldVariableName1": "NewVariableName1",
		"OldVariableName2": "NewVariableName2"
		}
		
		Note that these must be expressed as names NOT as Cortex symbols, i.e. without the '($)' prefix.

($)i_Repo-Path	Text	Path of the flow when searching for it from the 'Flows' tab on the left of the Cortex Gateway UI. E.g. Cortex-Library\CTX-Variable-Rename
($)i_Export-Location	Text	File path of the location to which the studio package has been exported or moved after uploading. E.g. C:\Temp\Rename
($)i_Flow-Name	Text	Name of the flow to be updated

2.2.4 Outputs

None