



SpreadsheetFlow v2.0

Administration Guide

Empathy Cog Solutions

Date: 4/16/2023

Table of Contents

Table of Contents	2
Overview	7
Solution Components	8
Apps	8
Flows	8
Permission Sets	11
Build and Customize Your Own Solutions	12
Flow Controllers	12
Variable Containers	13
Flow Actions	19
Appendix 1.1: Configure Flow Action File NewDataSheet	21
Input Variables	21
Appendix 1.2: Configure Flow Action File AddToDataSheet	29
Summary: This configurable screenflow runs under the context of a DataSheet record and is used to upload a file, process it, and create DataRow records.	29
Input Variables	29
Appendix 1.3: Configure Flow Action File SelectAndParse	35
Summary: This configurable screenflow component is used to select a file already attached to DataSheet and process it, creating DataRow records.	35
Input Variables	35
Appendix 1.4: Configure Flow Action File UseContentDocuemntId	40
Summary: This configurable component receives all the needed parameters to extract a file, process it, and create DataRow records,	40
Input Variables	40
Appendix 2.1: Configure Flow Action DataRow BulkDelete	45
Summary: This configurable screenflow component is used to delete DataRow records in batches.	45

Input Variables	45
Appendix 2.2: Configure Flow Action DataRow BulkUpdate	47
Summary: This configurable screenflow component is used to update DataRow records in batches.	47
Input Variables	47
Appendix 3.1: Configure Flow Action Toast SendMessage	49
Summary: This configurable screenflow component is used to send Toast notifications.	49
Input Variables	49
Appendix 3.2: Configure Flow Action Toast ConfigOverride	51
Summary: This configurable screenflow component is used to customize override configurations for the standard Toast messages sent from the SpreadSheet Flow application.	51
Input Variables	51
Output Variables	52
Appendix 3.3: Configure Flow Action Toast SendOverride	53
Summary: This configurable screenflow component is used to send a Toast Notification using an override configuration.	53
Input Variables	53
Appendix 4.1: Apex-Defined Data Type: ecs01_SSF_Delimiter	54
Summary: This apex class is used to create an Apex-Defined data type variable.	54
Input Variables	54
Appendix 4.2: Apex Action: SSF: Set Delimiter	55
Summary: This apex action is used to initialize a Delimiter variable with a default value.	55
Input Variables	55
Output Variables	55
Appendix 4.3: Apex Action: SSF: Extract Text From File	56
Summary: This apex action retrieves the text stored in a ContentDocument record and breaks it down into smaller chunks using a delimiter value.	56
Input Variables	56
Output Variables	56
Appendix 4.4: Apex Action: SSF: Get Number of Values in List	57
Summary: This apex action calculates the number of values in a list of delimited values.	57
Input Variables	57

Output Variables	57
Appendix 4.5: Apex Action: SSF: Get Longest Value in (Collection)	58
Summary: This apex action returns the longest value in a collection of strings. Only the first occurrence is returned.	58
Input Variables	58
Output Variables	58
Appendix 4.6: Apex Action: SSF: Get Longest Value in (String)	59
Summary: This apex action returns the longest value in a list of delimited values. Only the first occurrence is returned.	59
Input Variables	59
Output Variables	59
Appendix 4.7: Apex Action: SSF: Split Text Block (Length)	60
Summary: This apex action splits a text value into a collection of text values limited by character length. The delimiter is used to ensure lists of values are not broken up.	60
Input Variables	60
Output Variables	60
Appendix 4.8: Apex Action: SSF: Split Text Block (Group Size)	61
Summary: This apex action splits a text value into a collection of text values limited by number of values. A character limit is also enforced, so whichever limit is reached first prevails.	61
Input Variables	61
Output Variables	61
Appendix 4.9: Apex Action: SSF: Get Set of Values From Text Block	62
Summary: This apex action retrieves a requested set of values and returns it along with the remaining values.	62
Input Variables	62
Output Variables	62
Appendix 5.1: Apex Action: SSF: Parse List to Text Collection	63
Summary: This apex action parses a list of delimited values into a text collection variable.	63
Input Variables	63
Output Variables	63
Appendix 5.2: Apex Action: SSF: Parse List to DataRow Record	64
Summary: This apex action parses a list of delimited values into a DataRow record. An optional DataRow record can be provided to define DataRow fields and which fields should be used to populate the list values.	64

Input Variables	64
Output Variables	65
Appendix 5.3: Apex Action: SSF: Parse Block to DataRow Records	65
Summary: This apex action parses multiple lists of delimited values into DataRow records. An optional DataRow record can be provided to define DataRow fields and which fields should be used to populate the list values.	65
Input Variables	65
Output Variables	66
Appendix 5.4: Apex Action: SSF: Get DataRow Range	67
Summary: This apex action calculates the upper and lower record numbers for a range of requested DataRow records.	67
Input Variables	67
Output Variables	67
Appendix 6.1: Apex Action: SSF: Get Assigned Record Types	69
Summary: This apex action determines the assigned DataRow or DataSheet records types for the running user. The returned collection is used to configure a Collection Choice Set in screenflows.	69
Input Variables	69
Output Variables	69
Appendix 6.2: Apex Action: SSF: Get Datasheet Info	70
Summary: This apex action provides summary details for a DataSheet.	70
Input Variables	70
Output Variables	70
Appendix 6.3: Apex Action: SSF: Describe DataRow Record	71
Summary: This apex action provides details of a DataRow record, showing which fields have assigned values.	71
Input Variables	71
Output Variables	71
Appendix 6.4: Apex Action: SSF: Describe List of DataRow Records	72
Summary: This apex action provides details of a list of DataRow records, showing which fields have assigned values for each record.	72
Input Variables	72
Output Variables	72
Appendix 6.5: Apex Action: SSF: Calculate TempData Stats	73

Summary: This apex action provides a summary of existing temporary records for a specific timeframe.	73
Input Variables	73
Output Variables	73

Overview

SpreadsheetFlow is a tool that enables spreadsheet outputs to be utilized within Salesforce automations. This can be done via three methods:

1. **Uploading Exported Files:** Common formats such as csv (Comma-Separated Value) and tsv (Tab-Separated Value) can be uploaded into Salesforce and automatically processed to create new records.
2. **Selecting and Processing existing Files:** Files that have been previously attached to a DataSheet record can be processed to create new DataRow records.
3. **Copy/Pasting Spreadsheet Data:** a range of cells from a spreadsheet (such as Excel, Numbers, and Google Sheets) can be copied and pasted into a Salesforce field. SpreadsheetFlow provides tools to easily parse the data and create and/or update records.

Additionally, the processing power behind SpreadsheetFlow enables you to parse lists of values using any values as a delimiter, such as semicolons which are used in multi select picklists.

SpreadsheetFlow v2.0 supports synchronous batch processing and allows users to control when automations run, either automatically on record creation or manually as record updates.

Solution Components

Apps

The SpreadsheetFlow app is provided for demo and illustrative purposes to showcase the SpreadSheetFlow's tools and capabilities. We recommend you build your own custom apps that meet your customers' needs and use cases.

Flows

We recommend you create a list view where Flow API Name starts with ecs01. This will give you a view of all the Flows included in this application. The following Flows are provided for your use in building your own applications. Many are provided as templates so they can be cloned and customized.

Flow Name (API)	Description
ecs01 SSF Controller FileToDataSheet v1_0 (ecs01_SSF_Controller_FileToDataSheet_v1_0)	Configurable and reusable screenflow component for uploading and processing a text file.
ecs01 SSF Controller ManageDataRow v1_0 (ecs01_SSF_Controller_ManageDataRow_v1_0)	Configurable and reusable screenflow component for batch updating and deleting DataRow records.
ecs01 SSF Controller Toast v1_0 (ecs01_SSF_Controller_Toast_v1_0)	Configurable and reusable screenflow component for managing and sending toast notifications.
ecs01 SSF Schedule TempRecordCleanUp v1_0 (ecs01_SSF_Schedule_TempRecordCleanUp_v1_0)	This scheduled flow cleans up temporary records. Provides as a Template so you can adjust what time you want it to run.
ecs01 SSF Trigger DataRow Final Update v1_0 (ecs01_SSF_Trigger_DataRow_Final_Update_v1_0)	This after save trigger is provided as a template for creating your own automations after the DataRow records are created.
ecs01 SSF Trigger DeleteDataSheetFiles v1_0 (ecs01_SSF_Trigger_DeleteDataSheetFiles_v1_0)	This delete trigger deletes the files attached to a DataSheet when it is deleted, freeing up storage space.

Flow Name (API)	Description
ecs01 SSF Trigger DeleteTempFiles v1_0Label/API(ecs01_SSF_Trigger_DeleteTempFiles_v1_0)	This delete trigger deletes the files attached to a temp record when it is deleted, freeing up storage space.
ecs01 SSF Trigger SetDataSheetHeader v1_0 (ecs01_SSF_Trigger_SetDataSheetHeader_v1_0)	This trigger sets the DataSheet Header Row when a DataRow with Type Header is created
ecs01 SSF VarContainer FileToDataSheet v1_0 (ecs01_SSF_VarContainer_FileToDataSheet_v1_0)	This template contains all the variables from Controller FileToDataSheet and can be leveraged to create new subflows.
ecs01 SSF VarContainer ManageDataRow v1_0 (ecs01_SSF_VarContainer_ManageDataRow_v1_0)	This template contains all the variables from Controller ManageDataRow and can be leveraged to create new subflows.
ecs01 SSF VarContainer Toast v1_0 (ecs01_SSF_VarContainer_Toast_v1_0)	This template contains all the variables from Controller Toast and can be leveraged to create new subflows.
SpreadsheetFlow Action DataRowBulkDelete v1_0 (ecs01_SSF_Action_DataRowBulkDelete_v1_0)	This Action is used to delete DataRows in batches. It is provided as a template so you can customize it.
SpreadsheetFlow Action DataRowBulkUpdate v1_0 (ecs01_SSF_Action_DataRowBulkUpdate_v1_0)	This Action is used to update DataRows in batches. It is provided as a template so you can customize it.
SpreadsheetFlow Action File AddToDataSheet v1_0 (ecs01_SSF_Action_File_AddToDataSheet_v1_0)	This Action is used to upload and process a file to an existing DataSheet. It is provided as a template so you can customize it.
SpreadsheetFlow Action File NewDataSheet v1_0 (ecs01_SSF_Action_File_NewDataSheet_v1_0)	This Action is used to upload and process a file and create a new DataSheet. It is provided as a template so you can customize it.
SpreadsheetFlow Action File SelectAndParse v1_0 (ecs01_SSF_Action_File_SelectAndParse_v1_0)	This Action is used to process a file that has already been attached to a DataSheet. It is provided as a template so you can customize it.
SpreadsheetFlow Action File UseContentDocument v1_0 (ecs01_SSF_Action_File_UseContentDocument_v1_0)	This Action is used to process a file that has already been attached by using its record id. It is provided as a template so you can customize it.
SpreadsheetFlow Action Toast ConfigOverride v1_0 (ecs01_SSF_Action_Toast_ConfigOverride_v1_0)	This Action is used to configure a Toast notification record that can be used to override standard messages sent from the FileToDataSheet and ManageDataRow controllers. It is provided as a template so you can customize it.
SpreadsheetFlow Action Toast SendMessage v1_0 (ecs01_SSF_Action_Toast_SendMessage_v1_0)	This Action is used to send a Toast notification. It is provided as a template so you can customize it.

Flow Name (API)	Description
SpreadsheetFlow Action Toast SendOverride v1_0 (ecs01_SSF_Action_Toast_SendOverride_v1_0)	This Action is used to send a Toast notification with an override configuration. It is provided as a template so you can customize it.
SpreadsheetFlow Action Toast Tutorial v1_0 (ecs01_SSF_Action_Toast_Tutorial_v1_0)	This Action is provided as an example of how a Toast notification is configured.
SpreadsheetFlow QuickAction BulkDeleteDataRows v1_0 (ecs01_SSF_QuickAction_BulkDeleteDataRows_v1_0)	This leverages ecs01_SSF_Action_DataRowBulkDelete_v1_0 to create a screen flow for a quick action button.
SpreadsheetFlow QuickAction BulkUpdateDataRows v1_0 (ecs01_SSF_QuickAction_BulkUpdateDataRows_v1_0)	This leverages ecs01_SSF_Action_DataRowBulkUpdate_v1_0 to create a screen flow for a quick action button.
SpreadsheetFlow QuickAction File SelectAndParse v1_0 (ecs01_SSF_QuickAction_File_SelectAndParse_v1_0)	This leverages ecs01_SSF_Action_File_SelectAndParse_v1_0 to create a screen flow for a quick action button.
SpreadsheetFlow QuickAction File UploadAndParse v1_0 (ecs01_SSF_QuickAction_File_UploadAndParse_v1_0)	This leverages ecs01_SSF_Action_File_AddToDataSheet_v1_0 to create a screen flow for a quick action button.

The following flows are provided to demo the applications functionalities.

Flow Name (API)	Description
SSF Demo Action GetSetOfValues (ecs01_SSF_Action_Parse_GetSetOfValues_v1_0)	Demos Apex Action (SSF: Get Values From Text Block) that retrieves a set of values from a text block and returns the retrieved list and the remaining values.
SSF Demo ParseListToDataRow (ecs01_SSF_Action_Parse_ListOfValues_v1_0)	Demos Apex Action (SSF: Parse List to DataRow Record) to parse a list of values to a DataRow record. Also shows other apex actions: - SSF: Describe DataRow Record - SSF: Get Assigned Record Types - SSF: Set Delimiter
SSF Demo Action ParseListToCollection (ecs01_SSF_Action_Parse_ListToCollection_v1_0)	Demos Apex Action (SSF: Parse List to Text Collection) that parses a list of delimited values into a text collection variable.

Flow Name (API)	Description
SSF Demo Action ParseBlockToDataRows (ecs01_SSF_Action_Parse_MultipleLists_v1_0)	Demos Apex Action (SSF: Parse Text Block to DataRow Records) to parse a text block to a DataRow Collection. Also shows other apex actions: - SSF: Describe List of DataRow Records - SSF: Get Assigned Record Types - SSF: Set Delimiter
SSF Demo Action SplitTextBlock (ecs01_SSF_Action_Parse_SplitLargeTextBlock_v1_0)	Demos Apex Actions that split a text block into smaller blocks by character length or number of values - SSF: Split Text Block (Group Size) - SSF: Split Text Block (Length)
SSF Demo Action ParseSpreadsheetRange (ecs01_SSF_Action_Parse_SpreadsheetRange_v1_0)	Demos Apex Action (SSF: Parse Text Block to DataRow Records) that parses a range copied from a spreadsheet into DataRow records
SSF Demo Action CreateNewDataSheetwithFile (ecs01_SSF_Screenflow_FileToNewDataSheet_v1_0)	Demos how ecs01_SSF_Controller_FileToDataSheet_v1_0 can be configured to upload and parse a file.

Permission Sets

The application with the following permission sets. Assign them accordingly to your users.

Permission Set Name	Description
SpreadsheetFlow Admin	Grants Modify All access to DataSheet and DataRow objects
SpreadsheetFlow Default App Access	Grants access to the SpreadsheetFlow App. This app is provided for demo and illustrative purposes. We recommend you build your own apps to meet your customer needs.
SpreadsheetFlow Delete DataSheets	Grants access to delete DataSheet records.
SpreadsheetFlow Standard Record Types	Grants access to the Standard Record Type for DataSheets and DataRows. This is provisioned separately as you may not want to use this record type and create new ones.
SpreadsheetFlow Standard User	Grants standard access to the SpreadsheetFlow objects and flows.

Build and Customize Your Own Solutions

To build and customize your own solutions you will leverage the flows that come with the application. The included flows are grouped into several categories.

Controllers: These flows contain all the methods for each set of actions. They can be used directly, but it is recommended that you use the components under the Flow Actions category.

Variable Containers: These are templates containing all the input and output variables available in each Flow Controller. They also contain a subflow element calling their respective Controller and map all variables accordingly. These can be used to customize your own Flow Actions.

Actions: These are pre-configured templates for each process supported by the Flow Controllers. Use these elements to build and customize your solutions.

Apex Actions: These are apex actions that can be used to customize your own solutions. They can be found under the SpreadsheetFlow category and their labels start with SSF, for quick reference.

Lightning Web Components: LWCs are provided to send toast notifications and open records in new tabs.

Other: There are additional subflows provided as examples. They were built using the Flow Actions mentioned above. Some of them are used as quick actions in the default page layouts.

Flow Controllers

There are Flow Controllers for five processes:

1. **FileToDataSheet:** This controller handles processes related to Salesforce Files.

2. **ManageDataRows:** This controller handles bulk updates and deletions of DataRow records.
3. **Toast:** This controller handles Toast messages which are used for synchronous batch processing.

Variable Containers

The following tables detail the input and output variables available in each Controller and which Action they are relevant to.

VarContainer: FiletoDataSheet						
Type	Variable Name	Type	New DataSheet	Add To DataSheet	Select and Parse	Use Content Document id
Input	recordId	DataSet				
Input	i00a_Create_DataSheet_default	Boolean	TRUE			
Input	i00b_Upload_File_To_DataSheet	Boolean		TRUE		
Input	i00c_Select_File_To_Process	Boolean			TRUE	
Input	i00d1_Process_with_ContentDocumentid	Boolean				TRUE
Input	i00d2_ContentDocumentid	Text				Required
Input	i01a1_Use_DataSheet_Template	Boolean	x	TRUE	TRUE	TRUE
Input	i01a2_DataSheet_Record	DataSet	x	Required	Required	Required
Input	i01a3_Override_with_Input_Variables	Boolean	x			
Input	i01b1_show_DataSheet_RecordType	DataSet	x			
Input	i01b2a_DataSheet_RecordTypeDevName	Boolean	x			
Input	i01b2b_DataSheet_RecordTypeId	Boolean	x			
Input	i01c1_show_DataSheet_Name	Boolean	x			
Input	i01c2_DataSheet_Name	Text	x			
Input	i01d1_show_DataSheet_Category	Boolean	x			
Input	i01d2_DataSheet_Category	Text	x			

VarContainer: FiletoDataSheet

Type	Variable Name	Type	New DataSheet	Add To DataSheet	Select and Parse	Use Content Document id
Input	i01e1_show_DataSheet_Description	Boolean	x			
Input	i01e2_DataSheet_Description	Text	x			
Input	i01f1_show_DataSheet_Date	Boolean	x			
Input	i01f2_DataSheet_Date	Date	x			
Input	i01g1_show_DataSheet_ReferenceText	Boolean	x			
Input	i01g2_DataSheet_Reference_Text	Text	x			
Input	i01h1_show_DataSheet_Reference_Number	Boolean	x			
Input	i01h2_DataSheet_Reference_Number	Number	x			
Input	i02a1_Use_DataRow_Template	Boolean	x	x	x	x
Input	i02a2_DataRow_Record	DataRow	x	x	x	x
Input	i02a3_Override_with_Input_Variables	Boolean	x	x	x	x
Input	i02b1a_show_DataRow_RecordType	Boolean	x	x	x	
Input	i02b1b_DataRow_RecordTypeDevName	Text	x	x	x	x
Input	i02b1c_DataRow_RecordTypeId	Text	x	x	x	x
Input	i02c1_show_AutomationParameter	Boolean	x	x	x	
Input	i02c2_DataRow_AutomationParameter	Text	x	x	x	x
Input	i02d1_show_TriggerAutomation	Boolean	x	x	x	
Input	i02d2_DataRow_TriggerAutomation	Boolean	x	x	x	x
Input	i02e1_show_DataRow_Field_Type	Boolean	x	x	x	
Input	i02e2a_Use_DataRow_Text_Fields_default	Boolean	x	x	x	x
Input	i02e2b_Use_DataRow_Long_Text_Fields	Boolean	x	x	x	x
Input	i03_Store_Uploaded_File	Boolean	x	x		

VarContainer: FiletoDataSheet

Type	Variable Name	Type	New DataSheet	Add To DataSheet	Select and Parse	Use Content Document id
Input	i03a_Allow_File_Extension_csv	Boolean	x	x		
Input	i03b_Allow_File_Extension_tsv	Boolean	x	x		
Input	i03c_Allow_File_Extension_txt	Boolean	x	x		
Input	i03d_Allow_All_File_Extensions_default	Boolean	x	x		
Input	i03e_Allow_Custom_List_File_Extensions	Text	x	x		
Input	i04_show_File_Type_Details	Boolean	x	x	x	
Input	i04a_File_Type_is_CSV_default	Boolean	x	x	x	x
Input	i04b_File_Type_is_TSV	Boolean	x	x	x	x
Input	i04c1_File_Type_is_Other	Boolean	x	x	x	x
Input	i04c2a_Values_Separated_by_Tab_default	Boolean	x	x	x	x
Input	i04c2b_Values_Separated_by_Comma	Boolean	x	x	x	x
Input	i04c2c_Values_Separated_by_Other	Text	x	x	x	x
Input	i05a1_Allow_Process_Batch_Size_Override	Boolean	x	x	x	x
Input	i05a2_show_Process_Batch_Size	Boolean	x			
Input	i05b_Process_Batch_Size	Number	x	x	x	x
Input	i06a1_show_Initial_Rows_to_Skip	Boolean	x	x	x	
Input	i06a2_Initial_Rows_to_Skip	Number	x	x	x	x
Input	i06b1_show_Next_Row_are_Headers	Boolean	x	x	x	
Input	i06b2_Next_Row_Contains_Column_Headers	Boolean	x	x	x	x
Input	i06b3_Save_Column_Headers	Boolean	x	x	x	x
Input	i06c1_show_Skip_Additional_Rows	Boolean	x	x	x	
Input	i06c2_Skip_Additional_Rows	Number	x	x	x	x

VarContainer: FiletoDataSheet

Type	Variable Name	Type	New DataSheet	Add To DataSheet	Select and Parse	Use Content Document id
Input	i07_Open_New_DataSheet	Boolean	x			
Input	i98a_Override_FileUploadInstructions	Text	x	x		
Input	i98b_Override_FileUploadLabel	Text	x	x		
Input	i98c_Override_ProcessingMessage	Text	x	x	x	x
Input	i98d_Override_Message_NoFiles	Text			x	
Input	i98e_Override_Warning_SaveHeaderRow	Text		x	x	
Input	i99a1_OverrideToastA_NoFile	Boolean	x	x		
Input	i99a2_ToastA_OverrideDataRowConfig	DataRow	x	x		
Input	i99b1_OverrideToastB_EmptyFile	Boolean	x	x	x	x
Input	i99b2_ToastB_OverrideDataRowConfig	DataRow	x	x	x	x
Input	i99c1_OverrideToastC_Batch	Boolean	x	x	x	x
Input	i99c2_ToastC_OverrideDataRowConfig	DataRow	x	x	x	x
Input	i99d1_OverrideToastD_DMLError	Boolean	x	x	x	x
Input	i99d2_ToastD_OverrideDataRowConfig	DataRow	x	x	x	x
Input	i99e1_OverrideToastE_Completion	Boolean	x	x	x	x
Input	i99e2_ToastE_OverrideDataRowConfig	DataRow	x	x	x	x

VarContainer: ManageDataRow

Type	Variable Name	Type	Bulk Delete	Bulk Update
Input	recordId	DataRow	x	x
Input	i01a1_DataSheet_Record	DataRow	x	x
Input	i01a2_DataSheet_Recordid	Text	x	x

VarContainer: ManageDataRow				
Type	Variable Name	Type	Bulk Delete	Bulk Update
Input	i01b1_Update_DataRows_default	Boolean		x
Input	i01b2_Delete_DataRows	Boolean	x	
Input	i02a_Allow_Batch_Size_Manual_Override	Boolean	x	x
Input	i02b_Batch_Size_default_200	Number	x	x
Input	i02c_Override_Max_Batch_Size	Number	x	x
Input	i98a1_show_Screen_Title	Boolean	x	x
Input	i98a2_Override_ScreenTitle	Text	x	x
Input	i98b_Override_Delete_Info	Text	x	
Input	i98c_Override_Delete_Validation_Message	Text	x	
Input	i98d_Override_Message_NothingToProcess	Text	x	
Input	i99a1_OverrideToastA_BatchUpdated	Boolean		x
Input	i99a2_ToastA_OverrideDataRowConfig	DataRow		x
Input	i99b1_OverrideToastB_BatchDeleted	Boolean	x	
Input	i99b2_ToastB_OverrideDataRowConfig	DataRow	x	
Input	i99c1_OverrideToastC_UpdateError	Boolean		x
Input	i99c2_ToastC_OverrideDataRowConfig	DataRow		x
Input	i99d1_OverrideToastD_DeleteError	Boolean	x	
Input	i99d2_ToastD_OverrideDataRowConfig	DataRow	x	
Input	i99e1_OverrideToastE_UpdateCompleted	Boolean		x
Input	i99e2_ToastE_OverrideDataRowConfig	DataRow		x
Input	i99f1_OverrideToastF_DeleteComplete	Boolean	x	
Input	i99f2_ToastF_OverrideDataRowConfig	DataRow	x	

VarContainer: Toast

Type	Variable Name	Type	Send Message	Toast Tutorial	Send Override	Config Override
Input	i01a1_Send_Toast_Notification_default	Boolean	x	x		
Input	i01a2_Display_Configuration_Screen	Boolean		x		
Input	i01b1_Send_Toast_with_DataRow_Override	Boolean			x	
Input	i01b2_DataRow_Configuration	DataRow			x	
Input	i01c_Configure_Toast_DataRow_Override	Boolean				x
Input	i02a_Success_Message_Type_default	Boolean	x			x
Input	i02b_Error_Message_Type	Boolean	x			x
Input	i02c_Info_Message_Type	Boolean	x			x
Input	i02d_Warning_Message_Type	Boolean	x			x
Input	i02e1_Other_Message_Type	Boolean	x			x
Input	i02e2_Icon_Logo	Text	x			x
Input	i03_Title	Text	x			x
Input	i04_Message	Text	x			x
Input	i05a_Mode_is_Dismissable_default	Boolean	x			x
Input	i05b_Mode_is_Pester	Boolean	x			x
Input	i05c_Mode_is_Sticky	Boolean	x			x
Input	i06_Duration_5_to_10_seconds	Number	x			x
Input	i07a1_URL_Address	Text	x			x
Input	i07a2_URL_Label	Text	x			x
Input	i08a_Use_Merge_Fields	Boolean	x		x	x
Input	i08b1_Substitute_MergeField01_value	Text	x		x	x

VarContainer: Toast

Type	Variable Name	Type	Send Message	Toast Tutorial	Send Override	Config Override
Input	i08b2_Substitute_MergeField02_value	Text	x		x	x
Input	i08b3_Substitute_MergeField03_value	Text	x		x	x
Input	i08b4_Substitute_MergeField04_value	Text	x		x	x
Input	i08b5_Substitute_MergeField05_value	Text	x		x	x
Output	Output_ToastOverride_DataRowConfig	DataRow				x

Flow Actions

The tables below describe the Flow Actions available in the application. Refer to the Appendixes for specific details on how to configure each one.

Category: FileToDataSheet		
Action	Flow Name	Description
NewDataSheet	SpreadsheetFlow Action File NewDataSheet v1_0	Provides an interface to upload a file, creates a new DataSheet record, and adds DataRows to it.
AddToDataSheet	SpreadsheetFlow Action File AddToDataSheet v1_0	Provides an interface to upload a file and add DataRows to an existing DataSheet record.
SelectAndParse	SpreadsheetFlow Action File SelectAndParse v1_0	Provides an interface to select a file already attached to the DataSheet and create DataRows.

Category: FileToDataSheet		
Action	Flow Name	Description
UseContentDocumentId	SpreadsheetFlow Action File UseContentDocument v1_0	Provides the capability to batch process a File without an user interface. Requires all parameters to be provided in the configuration.

Category: ManageDataRows		
Action	Flow Name	Description
BulkDelete	SpreadsheetFlow Action DataRowBulkDelete v1_0	Provides an interface to delete DataRow records in batches.
BulkUpdate	SpreadsheetFlow Action DataRowBulkUpdate v1_0	Provides an interface to update DataRow records in batches and trigger automations.

Category: Toast		
Action	Flow Name	Description
SendMessage	SpreadsheetFlow Action Toast SendMessage v1_0	Sends a Toast Message
ConfigOverride	SpreadsheetFlow Action Toast ConfigOverride v1_0	Configures a DataRow record with Toast Message details that is used to override default Toast Messages
SendOverride	SpreadsheetFlow Action Toast SendOverride v1_0	Sends a Toast message using the configured override parameters.
Tutorial	SpreadsheetFlow Action Toast Tutorial v1_0	Displays a screenflow tutorial to configure a Toast message.

Appendix 1.1: Configure Flow Action File NewDataSheet

Summary: This is a configurable flow screenflow used to upload and process a text file and create corresponding DataSheet and DataRow records.

Input Variables

Grouping Category: DataSheet Parameters		
Variable	Type	Description
i01a1_Use_DataSheet_Template i01a2_DataSheet_Record i01a3_Override_with_Input_Variables	Boolean DataSheet Boolean	When i01a1_Use_DataSheet_Template = TRUE and i01a2_DataSheet_Record is provided, the values in the DataSheet record are used to create a new DataSheet record. If i01a3_Override_with_Input_Variables = TRUE, the parameters provided below are used to replace the field values from the template.
i01b1_show_DataSheet_RecordType i01b2a_DataSheet_RecordTypeDevName i01b2b_DataSheet_RecordTypeId	Boolean Text Text	i01b1_show_DataSheet_RecordType : displays the DataSheet RecordType selector picklist in the screenflow. i01b2a_DataSheet_RecordTypeDevName : sets the DataSheet record type by searching for its ID with this DevName. i01b2b_DataSheet_RecordTypeId : sets the DataSheet record type by searching for its ID using this parameter.
i01c1_show_DataSheet_Name i01c2_DataSheet_Name	Boolean Text	i01c1_show_DataSheet_Name : displays the field in the screenflow i01c2_DataSheet_Name : sets default value for this field
i01d1_show_DataSheet_Category i01d2_DataSheet_Category	Boolean Text	i01d1_show_DataSheet_Category : displays the field in the screenflow i01d2_DataSheet_Category : sets the default value for this field

Grouping Category: DataSheet Parameters		
Variable	Type	Description
i01e1_show_DataSheet_Description i01e2_DataSheet_Description	Boolean Text	i01e1_show_DataSheet_Description : displays the field in the screenflow i01e2_DataSheet_Description : sets the default value for this field
i01f1_show_DataSheet_Date i01f2_DataSheet_Date	Boolean Date	i01f1_show_DataSheet_Date : displays the field in the screenflow i01f2_DataSheet_Date : sets the default value for this field
i01g1_show_DataSheet_ReferenceText i01g2_DataSheet_Reference_Text	Boolean Text	i01g1_show_DataSheet_ReferenceText : displays the field in the screenflow i01g2_DataSheet_Reference_Text : sets the default value for this field
i01h1_show_DataSheet_Reference_Number i01h2_DataSheet_Reference_Number	Boolean Number	i01h1_show_DataSheet_Reference_Number : displays the field in the screenflow i01h2_DataSheet_Reference_Number : sets the default value for this field

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02a1_Use_DataRow_Template i02a2_DataRow_Record i02a3_Override_with_Input_Variables	Boolean DataRow Boolean	When i02a1_Use_DataRow_Template = TRUE and i02a2_DataRow_Record is provided, the values in the DataRow record are used to create the new DataRow records. If i02a3_Override_with_Input_Variables = TRUE, the parameters provided below are used to replace the field values from the template.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02b1a_show_DataRow_RecordType i02b1b_DataRow_RecordTypeDevName i02b1c_DataRow_RecordTypeId	Boolean Text Text	i02b1a_show_DataRow_RecordType: displays the DataRow RecordType selector picklist in the screenflow. i02b1b_DataRow_RecordTypeDevName: sets the DataRow record type by searching for its ID with this DevName. i02b1c_DataRow_RecordTypeId: sets the DataRow record type by searching for its ID using this parameter.
i02c1_show_AutomationParameter i02c2_DataRow_AutomationParameter	Boolean Text	i02c1_show_AutomationParameter: displays the field in the screenflow i02c2_DataRow_AutomationParameter: sets the default value for this field
i02d1_show_TriggerAutomation i02d2_DataRow_TriggerAutomation	Boolean Boolean	i02d1_show_TriggerAutomation: displays the field in the screenflow i02d2_DataRow_TriggerAutomation: sets the default value for this field
i02e1_show_DataRow_Field_Type i02e2a_Use_DataRow_Text_Fields_default i02e2b_Use_DataRow_Long_Text_Fields	Boolean Boolean Boolean	i02e1_show_DataRow_Field_Type: displays the field in the screenflow i02e2a_Use_DataRow_Text_Fields_default: when this is set, the DataRow text fields will be used to store the parsed values. Field length is set at 255 characters. This is the default option if all options are left unchecked. i02e2b_Use_DataRow_Long_Text_Fields: when this is set, the DataRow Long text fields will be used to store the parsed values. Field length is set at 2000 characters.

Grouping Category: File Upload Parameters		
Variable	Type	Description
i03_Store_Uploaded_File	Boolean	This parameter indicates if the file is stored and attached to the DataSheet record when processing is completed.
i03a_Allow_File_Extension_csv i03b_Allow_File_Extension_tsv i03c_Allow_File_Extension_txt i03d_Allow_All_File_Extensions_default i03e_Allow_Custom_List_File_Extensions	Boolean Boolean Boolean Boolean Text	These parameters set which file extensions are allowed to be uploaded. i03a_Allow_File_Extension_csv: adds .csv to the list of allowed file extensions. i03b_Allow_File_Extension_tsv: adds .tsv to the list of allowed file extensions. i03c_Allow_File_Extension_txt: adds .txt to the list of allowed file extensions. i03d_Allow_All_File_Extensions_default: this option allows all file extensions. This is the default option if all options are left unchecked. i03e_Allow_Custom_List_File_Extensions: this option allows a custom list of comma-separated file extensions in addition to any selected above. Format is: .csv,.tsv,.txt,.dat

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04_show_File_Type_Details	Boolean	This parameter displays the field in the screenflow
i04a_File_Type_is_CSV_default	Boolean	This parameters sets the file to be processed as comma-separated values. This is the default option if all options are left unchecked.
i04b_File_Type_is_TSV	Boolean	This parameters sets the file to be processed as tab-separated values

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04c1_File_Type_is_Other i04c2a_Values_Separated_by_Tab_default i04c2b_Values_Separated_by_Comma i04c2c_Values_Separated_by_Other	Boolean Boolean Boolean Text	This parameters sets the file to be processed using a custom delimiter defined by the other listed parameters.

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i05a1_Allow_Process_Batch_Size_Override	Boolean	This option enables a checkbox for the user to check and display the Process Batch Size field
i05a2_show_Process_Batch_Size	Boolean	This option displays the Process Batch Size field
i05b_Process_Batch_Size	Number	Sets the default value for the batch size. A max batch size is hardcoded into the system. If left blank, a default batch size of 200 is used. Admins must consider the expected max number of records to process and the amount of automations that will run when setting this value.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06a1_show_Initial_Rows_to_Skip i06a2_Initial_Rows_to_Skip	Boolean Number	i06a1_show_Initial_Rows_to_Skip: enables the field to be displayed in the screenflow. i06a2_Initial_Rows_to_Skip: Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06b1_show_Next_Row_are_Headers i06b2_Next_Row_Contains_Column_Headers i06b3_Save_Column_Headers	Boolean Boolean Boolean	i06b1_show_Next_Row_are_Headers: enables the fields to be displayed in the screenflow i06b2_Next_Row_Contains_Column_Headers: indicates that the next row contains the Column Headers. i06b3_Save_Column_Headers: indicates of the Column Header Row should be saved. If so, a DataRow record with Type = Header is created.
i06c1_show_Skip_Additional_Rows i06c2_Skip_Additional_Rows	Boolean Number	i06c1_show_Skip_Additional_Rows: enables the field to be displayed in the screenflow. i06c2_Skip_Additional_Rows: Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Navigation		
Variable	Type	Description
i07_Open_New_DataSheet	Boolean	When checked, a new tab is opened for the new DataSheet when the processing is completed.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98a_Override_FileUploadInstructions	Text	Overrides the instructions provided in the File Upload component

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98b_Override_FileUploadLabel	Text	Overrides the label of the File Upload component
i98c_Override_ProcessingMessage	Text	Overrides the message displayed in the screenflow when records are processed

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99a1_OverrideToastA_NoFile i99a2_ToastA_OverrideDataRowConfig	Boolean DataRow	When i99a1_OverrideToastA_NoFile is set to TRUE, i99a2_ToastA_OverrideDataRowConfig is used to override the default Toast Message displayed when a file hasn't been uploaded
i99b1_OverrideToastB_EmptyFile i99b2_ToastB_OverrideDataRowConfig	Boolean DataRow	When i99b1_OverrideToastB_EmptyFile is set to TRUE, i99b2_ToastB_OverrideDataRowConfig is used to override the default Toast Message displayed when the file is blank.
i99c1_OverrideToastC_Batch i99c2_ToastC_OverrideDataRowConfig	Boolean DataRow	When i99c1_OverrideToastC_Batch is set to TRUE, i99c2_ToastC_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of rows has been processed.
i99d1_OverrideToastD_DMLError i99d2_ToastD_OverrideDataRowConfig	Boolean DataRow	When i99d1_OverrideToastD_DMLError is set to TRUE, i99d2_ToastD_OverrideDataRowConfig is used to override the default Toast Message displayed when there is an error saving records.
i99e1_OverrideToastE_Completion i99e2_ToastE_OverrideDataRowConfig	Boolean DataRow	When i99e1_OverrideToastE_Completion is set to TRUE, i99e2_ToastE_OverrideDataRowConfig is used to override the default Toast Message displayed when processing is completed.

Appendix 1.2: Configure Flow Action File AddToDataSheet

Summary: This configurable screenflow runs under the context of a DataSheet record and is used to upload a file, process it, and create DataRow records.

Input Variables

Grouping Category: DataSheet Parameters		
Variable	Type	Description
i01a2_DataSheet_Record	DataSet	Indicates which DataSheet the DataRows will be assigned to.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02a1_Use_DataRow_Template i02a2_DataRow_Record i02a3_Override_with_Input_Variables	Boolean DataRow Boolean	When i02a1_Use_DataRow_Template = TRUE and i02a2_DataRow_Record is provided, the values in the DataRow record are used to create the new DataRow records. If i02a3_Override_with_Input_Variables = TRUE, the parameters provided below are used to replace the field values from the template.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02b1a_show_DataRow_RecordType i02b1b_DataRow_RecordTypeDevName i02b1c_DataRow_RecordTypeId	Boolean Text Text	i02b1a_show_DataRow_RecordType: displays the DataRow RecordType selector picklist in the screenflow. i02b1b_DataRow_RecordTypeDevName: sets the DataRow record type by searching for its ID with this DevName. i02b1c_DataRow_RecordTypeId: sets the DataRow record type by searching for its ID using this parameter.
i02c1_show_AutomationParameter i02c2_DataRow_AutomationParameter	Boolean Text	i02c1_show_AutomationParameter: displays the field in the screenflow i02c2_DataRow_AutomationParameter: sets the default value for this field
i02d1_show_TriggerAutomation i02d2_DataRow_TriggerAutomation	Boolean Boolean	i02d1_show_TriggerAutomation: displays the field in the screenflow i02d2_DataRow_TriggerAutomation: sets the default value for this field
i02e1_show_DataRow_Field_Type i02e2a_Use_DataRow_Text_Fields_default i02e2b_Use_DataRow_Long_Text_Fields	Boolean Boolean Boolean	i02e1_show_DataRow_Field_Type: displays the field in the screenflow i02e2a_Use_DataRow_Text_Fields_default: when this is set, the DataRow text fields will be used to store the parsed values. Field length is set at 255 characters. This is the default option if all options are left unchecked. i02e2b_Use_DataRow_Long_Text_Fields: when this is set, the DataRow Long text fields will be used to store the parsed values. Field length is set at 2000 characters.

Grouping Category: File Upload Parameters		
Variable	Type	Description
i03_Store_Uploaded_File	Boolean	This parameter indicates if the file is stored and attached to the DataSheet record when processing is completed.
i03a_Allow_File_Extension_csv i03b_Allow_File_Extension_tsv i03c_Allow_File_Extension_txt i03d_Allow_All_File_Extensions_default i03e_Allow_Custom_List_File_Extensions	Boolean Boolean Boolean Boolean Text	These parameters set which file extensions are allowed to be uploaded. i03a_Allow_File_Extension_csv: adds .csv to the list of allowed file extensions. i03b_Allow_File_Extension_tsv: adds .tsv to the list of allowed file extensions. i03c_Allow_File_Extension_txt: adds .txt to the list of allowed file extensions. i03d_Allow_All_File_Extensions_default: this option allows all file extensions. This is the default option if all options are left unchecked. i03e_Allow_Custom_List_File_Extensions: this option allows a custom list of comma-separated file extensions in addition to any selected above. Format is: .csv,.tsv,.txt,.dat

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04_show_File_Type_Details	Boolean	This parameter displays the field in the screenflow
i04a_File_Type_is_CSV_default	Boolean	This parameters sets the file to be processed as comma-separated values. This is the default option if all options are left unchecked.
i04b_File_Type_is_TSV	Boolean	This parameters sets the file to be processed as tab-separated values

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04c1_File_Type_is_Other i04c2a_Values_Separated_by_Tab_default i04c2b_Values_Separated_by_Comma i04c2c_Values_Separated_by_Other	Boolean Boolean Boolean Text	This parameters sets the file to be processed using a custom delimiter defined by the other listed parameters.

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i05a1_Allow_Process_Batch_Size_Override	Boolean	This option enables a checkbox for the user to check and display the Process Batch Size field
i05b_Process_Batch_Size	Number	Sets the default value for the batch size. A max batch size is hardcoded into the system. If left blank, a default batch size of 200 is used. Admins must consider the expected max number of records to process and the amount of automations that will run when setting this value.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06a1_show_Initial_Rows_to_Skip i06a2_Initial_Rows_to_Skip	Boolean Number	i06a1_show_Initial_Rows_to_Skip: enables the field to be displayed in the screenflow. i06a2_Initial_Rows_to_Skip: Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06b1_show_Next_Row_are_Headers i06b2_Next_Row_Contains_Column_Headers i06b3_Save_Column_Headers	Boolean Boolean Boolean	i06b1_show_Next_Row_are_Headers: enables the fields to be displayed in the screenflow i06b2_Next_Row_Contains_Column_Headers: indicates that the next row contains the Column Headers. i06b3_Save_Column_Headers: indicates of the Column Header Row should be saved. If so, a DataRow record with Type = Header is created.
i06c1_show_Skip_Additional_Rows i06c2_Skip_Additional_Rows	Boolean Number	i06c1_show_Skip_Additional_Rows: enables the field to be displayed in the screenflow. i06c2_Skip_Additional_Rows: Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98a_Override_FileUploadInstructions	Text	Overrides the instructions provided in the File Upload component
i98b_Override_FileUploadLabel	Text	Overrides the label of the File Upload component
i98c_Override_ProcessingMessage	Text	Overrides the message displayed in the screenflow when records are processed
i98e_Override_Warning_SaveHeaderRow	Text	Overrides the message displayed in the screenflow when prompted to save header row and the DataSheet already has a Header Row set.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99a1_OverrideToastA_NoFile i99a2_ToastA_OverrideDataRowConfig	Boolean DataRow	When i99a1_OverrideToastA_NoFile is set to TRUE, i99a2_ToastA_OverrideDataRowConfig is used to override the default Toast Message displayed when a file hasn't been uploaded
i99b1_OverrideToastB_EmptyFile i99b2_ToastB_OverrideDataRowConfig	Boolean DataRow	When i99b1_OverrideToastB_EmptyFile is set to TRUE, i99b2_ToastB_OverrideDataRowConfig is used to override the default Toast Message displayed when the file is blank.
i99c1_OverrideToastC_Batch i99c2_ToastC_OverrideDataRowConfig	Boolean DataRow	When i99c1_OverrideToastC_Batch is set to TRUE, i99c2_ToastC_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of rows has been processed.
i99d1_OverrideToastD_DMLError i99d2_ToastD_OverrideDataRowConfig	Boolean DataRow	When i99d1_OverrideToastD_DMLError is set to TRUE, i99d2_ToastD_OverrideDataRowConfig is used to override the default Toast Message displayed when there is an error saving records.
i99e1_OverrideToastE_Completion i99e2_ToastE_OverrideDataRowConfig	Boolean DataRow	When i99e1_OverrideToastE_Completion is set to TRUE, i99e2_ToastE_OverrideDataRowConfig is used to override the default Toast Message displayed when processing is completed.

Appendix 1.3: Configure Flow Action File SelectAndParse

Summary: This configurable screenflow component is used to select a file already attached to DataSheet and process it, creating DataRow records.

Input Variables

Grouping Category: DataSheet Parameters		
Variable	Type	Description
i01a2_DataSheet_Record	DataSet	Indicates which DataSet the DataRows will be assigned to.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02a1_Use_DataRow_Template i02a2_DataRow_Record i02a3_Override_with_Input_Variables	Boolean DataRow Boolean	When i02a1_Use_DataRow_Template = TRUE and i02a2_DataRow_Record is provided, the values in the DataRow record are used to create the new DataRow records. If i02a3_Override_with_Input_Variables = TRUE, the parameters provided below are used to replace the field values from the template.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02b1a_show_DataRow_RecordType i02b1b_DataRow_RecordTypeDevName i02b1c_DataRow_RecordTypeId	Boolean Text Text	i02b1a_show_DataRow_RecordType: displays the DataRow RecordType selector picklist in the screenflow. i02b1b_DataRow_RecordTypeDevName: sets the DataRow record type by searching for its ID with this DevName. i02b1c_DataRow_RecordTypeId: sets the DataRow record type by searching for its ID using this parameter.
i02c1_show_AutomationParameter i02c2_DataRow_AutomationParameter	Boolean Text	i02c1_show_AutomationParameter: displays the field in the screenflow i02c2_DataRow_AutomationParameter: sets the default value for this field
i02d1_show_TriggerAutomation i02d2_DataRow_TriggerAutomation	Boolean Boolean	i02d1_show_TriggerAutomation: displays the field in the screenflow i02d2_DataRow_TriggerAutomation: sets the default value for this field
i02e1_show_DataRow_Field_Type i02e2a_Use_DataRow_Text_Fields_default i02e2b_Use_DataRow_Long_Text_Fields	Boolean Boolean Boolean	i02e1_show_DataRow_Field_Type: displays the field in the screenflow i02e2a_Use_DataRow_Text_Fields_default: when this is set, the DataRow text fields will be used to store the parsed values. Field length is set at 255 characters. This is the default option if all options are left unchecked. i02e2b_Use_DataRow_Long_Text_Fields: when this is set, the DataRow Long text fields will be used to store the parsed values. Field length is set at 2000 characters.

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04_show_File_Type_Details	Boolean	This parameter displays the field in the screenflow
i04a_File_Type_is_CSV_default	Boolean	This parameters sets the file to be processed as comma-separated values. This is the default option if all options are left unchecked.
i04b_File_Type_is_TSV	Boolean	This parameters sets the file to be processed as tab-separated values
i04c1_File_Type_is_Other i04c2a_Values_Separated_by_Tab_default i04c2b_Values_Separated_by_Comma i04c2c_Values_Separated_by_Other	Boolean Boolean Boolean Text	This parameters sets the file to be processed using a custom delimiter defined by the other listed parameters.

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i05a1_Allow_Process_Batch_Size_Override	Boolean	This option enables a checkbox for the user to check and display the Process Batch Size field
i05b_Process_Batch_Size	Number	Sets the default value for the batch size. A max batch size is hardcoded into the system. If left blank, a default batch size of 200 is used. Admins must consider the expected max number of records to process and the amount of automations that will run when setting this value.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06a1_show_Initial_Rows_to_Skip i06a2_Initial_Rows_to_Skip	Boolean Number	i06a1_show_Initial_Rows_to_Skip: enables the field to be displayed in the screenflow. i06a2_Initial_Rows_to_Skip: Indicates the number of rows that should be ignored before starting the process data. Default is 0.
i06b1_show_Next_Row_are_Headers i06b2_Next_Row_Contains_Column_Headers i06b3_Save_Column_Headers	Boolean Boolean Boolean	i06b1_show_Next_Row_are_Headers: enables the fields to be displayed in the screenflow i06b2_Next_Row_Contains_Column_Headers: indicates that the next row contains the Column Headers. i06b3_Save_Column_Headers: indicates of the Column Header Row should be saved. If so, a DataRow record with Type = Header is created.
i06c1_show_Skip_Additional_Rows i06c2_Skip_Additional_Rows	Boolean Number	i06c1_show_Skip_Additional_Rows: enables the field to be displayed in the screenflow. i06c2_Skip_Additional_Rows: Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98c_Override_ProcessingMessage	Text	Overrides the message displayed in the screenflow when records are processed.
i98d_Override_Message_NoFiles	Text	Overrides the message displayed in the screenflow when there are no Files attached to the DataSheet.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98e_Override_Warning_SaveHeaderRow	Text	Overrides the message displayed in the screenflow when prompted to save header row and the DataSheet already has a Header Row set.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99b1_OverrideToastB_EmptyFile i99b2_ToastB_OverrideDataRowConfig	Boolean DataRow	When i99b1_OverrideToastB_EmptyFile is set to TRUE, i99b2_ToastB_OverrideDataRowConfig is used to override the default Toast Message displayed when the file is blank.
i99c1_OverrideToastC_Batch i99c2_ToastC_OverrideDataRowConfig	Boolean DataRow	When i99c1_OverrideToastC_Batch is set to TRUE, i99c2_ToastC_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of rows has been processed.
i99d1_OverrideToastD_DMLError i99d2_ToastD_OverrideDataRowConfig	Boolean DataRow	When i99d1_OverrideToastD_DMLError is set to TRUE, i99d2_ToastD_OverrideDataRowConfig is used to override the default Toast Message displayed when there is an error saving records.
i99e1_OverrideToastE_Completion i99e2_ToastE_OverrideDataRowConfig	Boolean DataRow	When i99e1_OverrideToastE_Completion is set to TRUE, i99e2_ToastE_OverrideDataRowConfig is used to override the default Toast Message displayed when processing is completed.

Appendix 1.4: Configure Flow Action File UseContentDocuemntId

Summary: This configurable component receives all the needed parameters to extract a file, process it, and create DataRow records,

Input Variables

Grouping Category: ContentDocument Parameters		
Variable	Type	Description
i00d2_ContentDocumentid	Text	Stores the ContentDocument record id. This field is required.

Grouping Category: DataSheet Parameters		
Variable	Type	Description
i01a2_DataSheet_Record	DataSheet	Indicates which DataSheet the DataRows will be assigned to. This field is required.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02a1_Use_DataRow_Template i02a2_DataRow_Record i02a3_Override_with_Input_Variables	Boolean DataRow Boolean	When i02a1_Use_DataRow_Template = TRUE and i02a2_DataRow_Record is provided, the values in the DataRow record are used to create the new DataRow records. If i02a3_Override_with_Input_Variables = TRUE, the parameters provided below are used to replace the field values from the template.

Grouping Category: DataRow Parameters		
Variable	Type	Description
i02b1b_DataRow_RecordTypeDevName i02b1c_DataRow_RecordTypeId	Text Text	i02b1b_DataRow_RecordTypeDevName: sets the DataRow record type by searching for its ID with this DevName. i02b1c_DataRow_RecordTypeId: sets the DataRow record type by searching for its ID using this parameter.
i02c2_DataRow_AutomationParameter	Text	i02c2_DataRow_AutomationParameter: sets the default value for this field
i02d2_DataRow_TriggerAutomation	Boolean	i02d2_DataRow_TriggerAutomation: sets the default value for this field
i02e2a_Use_DataRow_Text_Fields_default i02e2b_Use_DataRow_Long_Text_Fields	Boolean Boolean	i02e2a_Use_DataRow_Text_Fields_default: when this is set, the DataRow text fields will be used to store the parsed values. Field length is set at 255 characters. This is the default option if all options are left unchecked. i02e2b_Use_DataRow_Long_Text_Fields: when this is set, the DataRow Long text fields will be used to store the parsed values. Field length is set at 2000 characters.

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04a_File_Type_is_CSV_default	Boolean	This parameters sets the file to be processed as comma-separated values. This is the default option if all options are left unchecked.
i04b_File_Type_is_TSV	Boolean	This parameters sets the file to be processed as tab-separated values

Grouping Category: File Contents Parameters		
Variable	Type	Description
i04c1_File_Type_is_Other i04c2a_Values_Separated_by_Tab_default i04c2b_Values_Separated_by_Comma i04c2c_Values_Separated_by_Other	Boolean Boolean Boolean Text	This parameters sets the file to be processed using a custom delimiter defined by the other listed parameters.

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i05b_Process_Batch_Size	Number	Sets the default value for the batch size. A max batch size is hardcoded into the system. If left blank, a default batch size of 200 is used. Admins must consider the expected max number of records to process and the amount of automations that will run when setting this value.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06a2_Initial_Rows_to_Skip	Number	i06a2_Initial_Rows_to_Skip: Indicates the number of rows that should be ignored before starting the process data. Default is 0.
i06b2_Next_Row_Contains_Column_Headers i06b3_Save_Column_Headers	Boolean Boolean	i06b2_Next_Row_Contains_Column_Headers: indicates that the next row contains the Column Headers. i06b3_Save_Column_Headers: indicates of the Column Header Row should be saved. If so, a DataRow record with Type = Header is created.

Grouping Category: Content Processing Parameters		
Variable	Type	Description
i06c2_Skip_Additional_Rows	Number	i06c2_Skip_Additional_Rows : Indicates the number of rows that should be ignored before starting the process data. Default is 0.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98c_Override_ProcessingMessage	Text	Overrides the message displayed in the screenflow when records are processed.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99b1_OverrideToastB_EmptyFile i99b2_ToastB_OverrideDataRowConfig	Boolean DataRow	When i99b1_OverrideToastB_EmptyFile is set to TRUE, i99b2_ToastB_OverrideDataRowConfig is used to override the default Toast Message displayed when the file is blank.
i99c1_OverrideToastC_Batch i99c2_ToastC_OverrideDataRowConfig	Boolean DataRow	When i99c1_OverrideToastC_Batch is set to TRUE, i99c2_ToastC_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of rows has been processed.
i99d1_OverrideToastD_DMLError i99d2_ToastD_OverrideDataRowConfig	Boolean DataRow	When i99d1_OverrideToastD_DMLError is set to TRUE, i99d2_ToastD_OverrideDataRowConfig is used to override the default Toast Message displayed when there is an error saving records.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99e1_OverrideToastE_Completion i99e2_ToastE_OverrideDataRowConfig	Boolean DataRow	When i99e1_OverrideToastE_Completion is set to TRUE, i99e2_ToastE_OverrideDataRowConfig is used to override the default Toast Message displayed when processing is completed.

Appendix 2.1: Configure Flow Action DataRow BulkDelete

Summary: This configurable screenflow component is used to delete DataRow records in batches.

Input Variables

Grouping Category: DataSheet Parameters		
Variable	Type	Description
recordId	DataSheet	Autopopulates with the current DataSheet in Quick Actions
i01a1_DataSheet_Record	DataSheet	Stores the current DataSheet record
i01a2_DataSheet_Recordid	Text	Stores the DataSheet record id

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i02a_Allow_Batch_Size_Manual_Override i02b_Batch_Size_default_200	Boolean Number	When i02a_Allow_Batch_Size_Manual_Override = TRUE, users can set the batch size value in i02b_Batch_Size_default_200 . There is a hardcoded limit to the batch size.
i02c_Override_Max_Batch_Size	Number	When i02c_Override_Max_Batch_Size is set, it can increase the hardcoded limit in the batch size. The limit can be increased in cases where there are limited automations running and the 10,000 record limit is always respected.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98a1_show_Screen_Title i98a2_Override_ScreenTitle	Boolean Text	When i98a1_show_Screen_Title is set to TRUE, the screenflow will display the value of i98a2_Override_ScreenTitle in the screenflow.
i98b_Override_Delete_Info	Text	Overrides the message displayed when a user starts the Bulk Delete flow.
i98c_Override_Delete_Validation_Message	Text	Overrides the message displayed when the user does not check the acknowledgement check to proceed with DataRow deletion.
i98d_Override_Message_NothingToProcess	Text	Overrides the message displayed when there are no DataRow records to delete.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99b1_OverrideToastB_BatchDeleted i99b2_ToastB_OverrideDataRowConfig	Boolean DataRow	When i99b1_OverrideToastB_BatchDeleted is set to TRUE, i99b2_ToastB_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of DataRows is deleted.
i99d1_OverrideToastD_DeleteError i99d2_ToastD_OverrideDataRowConfig	Boolean DataRow	When i99d1_OverrideToastD_DeleteError is set to TRUE, i99d2_ToastD_OverrideDataRowConfig is used to override the default Toast Message displayed when an error occurs deleting a batch of DataRow records.
i99f1_OverrideToastF_DeleteComplete i99f2_ToastF_OverrideDataRowConfig	Boolean DataRow	When i99f1_OverrideToastF_DeleteComplete is set to TRUE, i99a2_ToastA_OverrideDataRowConfig is used to override the default Toast Message displayed when all DataRow records have been updated.

Appendix 2.2: Configure Flow Action DataRow BulkUpdate

Summary: This configurable screenflow component is used to update DataRow records in batches.

Input Variables

Grouping Category: DataSheet Parameters		
Variable	Type	Description
recordId	DataSheet	Autopopulates with the current DataSheet in Quick Actions
i01a1_DataSheet_Record	DataSheet	Stores the current DataSheet record
i01a2_DataSheet_Recordid	Text	Stores the DataSheet record id

Grouping Category: Batch Processing Parameters		
Variable	Type	Description
i02a_Allow_Batch_Size_Manual_Override i02b_Batch_Size_default_200	Boolean Number	When i02a_Allow_Batch_Size_Manual_Override = TRUE, users can set the batch size value in i02b_Batch_Size_default_200 . There is a hardcoded limit to the batch size.
i02c_Override_Max_Batch_Size	Number	When i02c_Override_Max_Batch_Size is set, it can increase the hardcoded limit in the batch size. The limit can be increased in cases where there are limited automations running and the 10,000 record limit is always respected.

Grouping Category: Label Override Parameters		
Variable	Type	Description
i98a1_show_Screen_Title i98a2_Override_ScreenTitle	Boolean Text	When i98a1_show_Screen_Title is set to TRUE, the screenflow will display the value of i98a2_Override_ScreenTitle in the screenflow.

Grouping Category: Toast Message Override Parameters		
Variable	Type	Description
i99a1_OverrideToastA_BatchUpdated i99a2_ToastA_OverrideDataRowConfig	Boolean DataRow	When i99a1_OverrideToastA_BatchUpdated is set to TRUE, i99a2_ToastA_OverrideDataRowConfig is used to override the default Toast Message displayed when a batch of DataRows is updated.
i99c1_OverrideToastC_UpdateError i99c2_ToastC_OverrideDataRowConfig	Boolean DataRow	When i99c1_OverrideToastC_UpdateError is set to TRUE, i99c2_ToastC_OverrideDataRowConfig is used to override the default Toast Message displayed when an error occurs updating a batch of DataRow records.
i99e1_OverrideToastE_UpdateCompleted i99e2_ToastE_OverrideDataRowConfig	Boolean DataRow	When i99e1_OverrideToastE_UpdateCompleted is set to TRUE, i99e2_ToastE_OverrideDataRowConfig is used to override the default Toast Message displayed when all DataRow records have been updated.

Appendix 3.1: Configure Flow Action Toast SendMessage

Summary: This configurable screenflow component is used to send Toast notifications.

Input Variables

Grouping Category: Toast Message Parameters		
Variable	Type	Description
i02a_Success_Message_Type_default i02b_Error_Message_Type i02c_Info_Message_Type i02d_Warning_Message_Type i02e1_Other_Message_Type	Boolean Boolean Boolean Boolean Boolean	Sets the type of message to be sent: Success, Error, Info, Warning, or Custom.
i02e2_Icon_Logo	Text	Determines the icon logo displayed. This is only used for Custom Message types.
i03_Title	Text	Sets the Title of the Toast Message
i04_Message	Text	Sets the Body of the Toast Message
i05a_Mode_is_Dismissible_default i05b_Mode_is_Pester i05c_Mode_is_Sticky	Boolean Boolean Boolean	Set the mode of the message to be sent: Dismissible, Pester, or Sticky.
i06_Duration_5_to_10_seconds	Number	Sets the duration of the Toast message. It is applicable for Dismissible and Pester Modes.
i07a1_URL_Address i07a2_URL_Label	URL Text	These parameters replace a placeholder value of {url} in i04_Message with a clickable URL link

Grouping Category: Custom Merge Field Parameters		
Variable	Type	Description
i08a_Use_Merge_Fields	Boolean	Set this to TRUE to enable merge field replacement in the Title and Body of the Toast Message
i08b1_Substitute_MergeField01_value i08b2_Substitute_MergeField02_value i08b3_Substitute_MergeField03_value i08b4_Substitute_MergeField04_value i08b5_Substitute_MergeField05_value	Text Text Text Text Text	Inserting placeholders in i03_Title or i04_Message will be replaced with the values set in these variables. The respective placeholders are: {_MergeField01_}, {_MergeField02_}, {_MergeField03_}, {_MergeField04_}, and {_MergeField05_}.

Appendix 3.2: Configure Flow Action Toast ConfigOverride

Summary: This configurable screenflow component is used to customize override configurations for the standard Toast messages sent from the SpreadSheet Flow application.

Input Variables

Grouping Category: Toast Message Parameters		
Variable	Type	Description
i02a_Success_Message_Type_default i02b_Error_Message_Type i02c_Info_Message_Type i02d_Warning_Message_Type i02e1_Other_Message_Type	Boolean Boolean Boolean Boolean Boolean	Sets the type of message to be sent: Success, Error, Info, Warning, or Custom.
i02e2_Icon_Logo	Text	Determines the icon logo displayed. This is only used for Custom Message types.
i03_Title	Text	Sets the Title of the Toast Message
i04_Message	Text	Sets the Body of the Toast Message
i05a_Mode_is_Dismissible_default i05b_Mode_is_Pester i05c_Mode_is_Sticky	Boolean Boolean Boolean	Set the mode of the message to be sent: Dismissible, Pester, or Sticky.
i06_Duration_5_to_10_seconds	Number	Sets the duration of the Toast message. It is applicable for Dismissible and Pester Modes.
i07a1_URL_Address i07a2_URL_Label	URL Text	These parameters replace a placeholder value of {url} in i04_Message with a clickable URL link

Grouping Category: Custom Merge Field Parameters		
Variable	Type	Description
i08a_Use_Merge_Fields	Boolean	Set this to TRUE to enable merge field replacement in the Title and Body of the Toast Message
i08b1_Substitute_MergeField01_value i08b2_Substitute_MergeField02_value i08b3_Substitute_MergeField03_value i08b4_Substitute_MergeField04_value i08b5_Substitute_MergeField05_value	Text Text Text Text Text	Inserting placeholders in i03_Title or i04_Message will be replaced with the values set in these variables. The respective placeholders are: {_MergeField01_}, {_MergeField02_}, {_MergeField03_}, {_MergeField04_}, and {_MergeField05_}.

Output Variables

Variable	Type	Description
Output_ToastOverride_DataRowConfig	DataRow	This DataRow variables is used an input variable for Action Toast SendOverride.

Appendix 3.3: Configure Flow Action Toast SendOverride

Summary: This configurable screenflow component is used to send a Toast Notification using an override configuration.

Input Variables

Grouping Category: Toast Message Parameters		
Variable	Type	Description
i01b2_DataRow_Configuration	DataRow	Set this variable with the output variable from a Toast ConfigOverride action.

Grouping Category: Custom Merge Field Parameters		
Variable	Type	Description
i08a_Use_Merge_Fields	Boolean	Set this to TRUE to enable merge field replacement in the Title and Body of the Toast Message
i08b1_Substitute_MergeField01_value i08b2_Substitute_MergeField02_value i08b3_Substitute_MergeField03_value i08b4_Substitute_MergeField04_value i08b5_Substitute_MergeField05_value	Text Text Text Text Text	Inserting placeholders in i03_Title or i04_Message will be replaced with the values set in these variables. The respective placeholders are: {_MergeField01_}, {_MergeField02_}, {_MergeField03_}, {_MergeField04_}, and {_MergeField05_}. The placeholders should be added when configuring the Toast ConfigOverride record.

Appendix 4.1: Apex-Defined Data Type: ecs01_SSF_Delimiter

Summary: This apex class is used to create an Apex-Defined data type variable.

Input Variables

Variable	Type	Description
i01a_useComma	Boolean	When ONLY this value is set to TRUE, the variable uses a comma as the delimiter.
i01b_useSemicolon	Boolean	When ONLY this value is set to TRUE, the variable uses a semicolon as the delimiter.
i01c_useTab	Boolean	When ONLY this value is set to TRUE, the variable uses a tab as the delimiter.
i01d_useSpreadsheetColumn	Boolean	When ONLY this value is set to TRUE, the variable uses a spreadsheet column divider as the delimiter.
i01e_useSpreadsheetRow	Boolean	When ONLY this value is set to TRUE, the variable uses a spreadsheet row/new line as the delimiter.
i01f_useCustomValue	Text	When ONLY this value is set, the variable uses this value as the delimiter.
i02_defaultValue	Text	Accepts 5 values: 'COMMA', 'SEMICOLON', 'TAB', 'COLUMN', or 'ROW'. If the other parameters are misconfigured, the variable uses the delimiter defined in this parameter. If the parameter is invalid, the variable defaults to a comma.

Appendix 4.2: Apex Action: SSF: Set Delimiter

Summary: This apex action is used to initialize a Delimiter variable with a default value.

Input Variables

Variable	Type	Description
Default Delimiter	Text	Accepts 5 values: 'COMMA', 'SEMICOLON', 'TAB', 'COLUMN', or 'ROW'.
I01a Set Comma I01b Set Semicolon I01c Set Tab I01d Set Spreadsheet Column I01e Set Spreadsheet Row I01f Set Custom Value	Boolean Boolean Boolean Boolean Boolean Text	When ONLY one parameter is set, the variable uses the corresponding value as the delimiter. Any misconfiguration results in the Default Delimiter being used.

Output Variables

Variable	Type	Description
Delimiter	SSF Delimiter	Apex-Defined Delimiter variable

Appendix 4.3: Apex Action: SSF: Extract Text From File

Summary: This apex action retrieves the text stored in a ContentDocument record and breaks it down into smaller chunks using a delimiter value.

Input Variables

Variable	Type	Description
01 ContentDocument Record ID	ID	Record Id for the ContentDocument record
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable
03 Max Character Length	Integer	Max length for each text block

Output Variables

Variable	Type	Description
Collection of Text Blocks	Text Collection	Collection of text blocks
Number of Text Blocks	Integer	Number of text blocks in collection

Appendix 4.4: Apex Action: SSF: Get Number of Values in List

Summary: This apex action calculates the number of values in a list of delimited values.

Input Variables

Variable	Type	Description
01 List of Delimited Values	Text	List of delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable

Output Variables

Variable	Type	Description
Number of Values in List	Integer	Number of values in list

Appendix 4.5: Apex Action: SSF: Get Longest Value in (Collection)

Summary: This apex action returns the longest value in a collection of strings. Only the first occurrence is returned.

Input Variables

Variable	Type	Description
Text Collection	Text Collection	Text Collection variable

Output Variables

Variable	Type	Description
01 String Value	Text	Longest values in the list. If several match in length, the first occurrence is returned.
02 String Length	Integer	Character length of the longest Values

Appendix 4.6: Apex Action: SSF: Get Longest Value in (String)

Summary: This apex action returns the longest value in a list of delimited values. Only the first occurrence is returned.

Input Variables

Variable	Type	Description
01 List of Delimited Values	Text	List of delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable

Output Variables

Variable	Type	Description
01 String Value	Text	Longest values in the list. If several match in length, the first occurrence is returned.
02 String Length	Integer	Character length of the longest Values

Appendix 4.7: Apex Action: SSF: Split Text Block (Length)

Summary: This apex action splits a text value into a collection of text values limited by character length. The delimiter is used to ensure lists of values are not broken up.

Input Variables

Variable	Type	Description
01 Text Value to Split	Text	Text with delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable
03 Max Character Length	Integer	Max character length for each text block. Max size is 400,000 characters

Output Variables

Variable	Type	Description
Collection of Text Blocks	Text Collection	Text collection variable
Number of Text Blocks	Integer	Number of text blocks returned

Appendix 4.8: Apex Action: SSF: Split Text Block (Group Size)

Summary: This apex action splits a text value into a collection of text values limited by number of values. A character limit is also enforced, so whichever limit is reached first prevails.

Input Variables

Variable	Type	Description
01 Text Value to Split	Text	Text with delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable
03 Max Number of Values in Group	Integer	Max number of values per text block. If the character count exceeds the Max Character Length, the first limit is observed.
04 Max Character Length	Integer	Max character length for each text block. Max size is 400,000 characters

Output Variables

Variable	Type	Description
Collection of Text Blocks	Text Collection	Text collection variable
Number of Text Blocks	Integer	Number of text blocks returned

Appendix 4.9: Apex Action: SSF: Get Set of Values From Text Block

Summary: This apex action retrieves a requested set of values and returns it along with the remaining values.

Input Variables

Variable	Type	Description
01 List of Delimited Values	Text	Text with delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable
03 Number of Values to Retrieve	Integer	Number of values to retrieve

Output Variables

Variable	Type	Description
01a Retrieved Set of Values	Text	Text block containing the set of retrieved values
01b Number of Values Retrieved	Integer	Number of retrieved values
02a Remaining Set of Values	Text	Text block containing the set of remaining values
02b Number of Values Remaining	Integer	Number of remaining values

Appendix 5.1: Apex Action: SSF: Parse List to Text Collection

Summary: This apex action parses a list of delimited values into a text collection variable.

Input Variables

Variable	Type	Description
01 List of Delimited Values	Text	List of delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable

Output Variables

Variable	Type	Description
Collection of Text Values	Text Collection	Text Collection variables of parsed values
Number of Values in List	Integer	Number of values in text collection

Appendix 5.2: Apex Action: SSF: Parse List to DataRow Record

Summary: This apex action parses a list of delimited values into a DataRow record. An optional DataRow record can be provided to define DataRow fields and which fields should be used to populate the list values.

Input Variables

Variable	Type	Description
01 List of Delimited Values	Text	List of delimited values
02 Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable
03 Create a Header Data Row Record	Boolean	When set to TRUE: - DataRow Type = Header - ImportFieldType = Text When set to False or NULL - DataRow Type = Detail - ImportFieldType setting depends on DataRow Template variable. Default setting is Text.
04 DataRow Template	DataRow	Template used to set fields values in output variable, including but not limited to: - Datasheet record id - DataRow record type - DataRow Type - ImportFieldType: default value is Text

Output Variables

Variable	Type	Description
DataRow Record	DataRow	DataRow record

Appendix 5.3: Apex Action: SSF: Parse Block to DataRow Records

Summary: This apex action parses multiple lists of delimited values into DataRow records. An optional DataRow record can be provided to define DataRow fields and which fields should be used to populate the list values.

Input Variables

Variable	Type	Description
01 Text Block	Text	List of double delimited values
02 Row Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable separating each list of delimited values
03 List Delimiter Value	SSF Delimiter	Apex-Defined Delimiter variable separating each value in a list.
04 First List Contains Headers	Boolean	Indicates if the first list of values corresponds to column heading values. This is used to determine a Header type DataRow should be created.

Variable	Type	Description
05 DataRow Template	DataRow	Template used to set fields values in output variable, including but not limited to: - Datasheet record id - DataRow record type - DataRow Type - ImportFieldType: default value is Text

Output Variables

Variable	Type	Description
Collection of DataRow Records	DataRow Collection	Collection of DataRow records

Appendix 5.4: Apex Action: SSF: Get DataRow Range

Summary: This apex action calculates the upper and lower record numbers for a range of requested DataRow records.

Input Variables

Variable	Type	Description
01 DataSheet Record Id	ID	DataSet record id
02 Starting Record Number	Integer	Lowest record number to begin searching from.
03 Batch Size to Retrieve	Integer	Number of records to retrieve
04 Include DataRow Header Records	Boolean	This determines if Header DataRows should be included. When a range is retrieved for record update purposes, they should not be included. For record deletion purposes, they should be included.
05a Custom DataRow Range: Lower Limit	Integer	Searches can be restricted to a custom range. This indicates the lower limit of that range.
05b Custom DataRow Range: Upper Limit	Integer	Searches can be restricted to a custom range. This indicates the upper limit of that range.

Output Variables

Variable	Type	Description
First Record Number	Integer	Lowest record number for the range of records.
Last Record Number	Integer	Highest record number for the range of records.
Record Count	Integer	Number of DataRow records included within the range.

Appendix 6.1: Apex Action: SSF: Get Assigned Record Types

Summary: This apex action determines the assigned DataRow or DataSheet records types for the running user. The returned collection is used to configure a Collection Choice Set in screenflows.

Input Variables

Variable	Type	Description
Get Assigned DataRow Record Types	Boolean	When set to TRUE, the assigned DataRow Record Types are returned.
Get Assigned DataSheet RecordTypes	Boolean	When set to TRUE, the assigned DataSheet Record Types are returned.

Output Variables

Variable	Type	Description
Record Type Collection	Record Type Collection	Collection of assigned record types for the specified object.

Appendix 6.2: Apex Action: SSF: Get Datasheet Info

Summary: This apex action provides summary details for a DataSheet.

Input Variables

Variable	Type	Description
Datasheet Record ID	ID	DataSheet record id

Output Variables

Variable	Type	Description
01 First Record Number	Integer	Lowest DataRow record number associated to the DataSheet
02 Last Record Number	Integer	Highest DataRow record number associated to the DataSheet
03 Number of DataRows	Integer	Total number of DataRows associated to the DataSheet
03a Number of Header DataRows	Integer	Number of Header DataRows associated to the DataSheet
03b Number of Detail DataRows	Integer	Number of Detail DataRows associated to the DataSheet

Appendix 6.3: Apex Action: SSF: Describe DataRow Record

Summary: This apex action provides details of a DataRow record, showing which fields have assigned values.

Input Variables

Variable	Type	Description
DataRow Record	DataRow	DataRow record

Output Variables

Variable	Type	Description
DataRow Record Description	Text	Displays the field values of all populated fields in the DataRow

Appendix 6.4: Apex Action: SSF: Describe List of DataRow Records

Summary: This apex action provides details of a list of DataRow records, showing which fields have assigned values for each record.

Input Variables

Variable	Type	Description
Collection of DataRow Records	DataRow Collection	Collection of DataRow records

Output Variables

Variable	Type	Description
DataRow List Description	Text	Displays the field values of all populated fields in each DataRow of the collection.

Appendix 6.5: Apex Action: SSF: Calculate TempData Stats

Summary: This apex action provides a summary of existing temporary records for a specific timeframe.

Input Variables

Variable	Type	Description
Reference DateTime	DateTime	Reference datetime used to calculate the number of records that would be deleted.

Output Variables

Variable	Type	Description
Number of Related File Records	Integer	Number of ContentDocument records created before the Reference DateTime
Number of TempData Records	Integer	Number of TempData records created before the Reference DateTime
Oldest Create Date	DateTime	Oldest createDate value for the TempData
Total Number of records	Integer	Number of ContentDocument and TempData records created before the Reference DateTime. This is leveraged to ensure cleanup processes don't exceed Apex limits.