Integration Flow Service User Guide

Introduction

Integration Flow Service is used by Integration Studio and other Event Designers to manage the flow.

Overview

Integration Flow Service handles the following the high-level operations:

- Manage the flow
- Update the data library in T24

Invoking Flow Service Operations

Flow Service is available as a T24 component and can be invoked using the following interfaces:

- JBC API will be available to use by other T24 components
- C++ API will be available to use by 3rd party systems with C++ supported technologies.
- Java API will be available to use by 3rd party systems with Java supported technologies.

Note: Refer Deploying a component Service" User Guide, to know about the various ways in which a service could be deployed. This user guide deals with the configuration of Flow Service as Web Service.

Flow Service Methods

The following table lists the various Flow Service Methods:

readFlow	This method is used to read the specified flow details.
createFlow	This method is used to create flow in T24
getRelevantRows	This method applies filter based on the exit point type and retrieves the filtered Flows.
validateFlow	Checks whether the flow is a valid flow by validating the flow inputs.
updateFlow	This method is used to update the existing flow.
deleteFlow	This method is used to delete the existing flow.
getAllFlowSchemas	This method is used to read all the flow schema's from T24.
deleteAllFlows	This method is used to delete all the flow schema's from T24 that is created under a specific project
updateDataLibrary	The method is used to update the data library record, with the changes made in the flow definition.
getAllFlowNames	This methods gets the list of folws available
getFlowSchema	This method provides the schema for the specified flow

Integration Flow Service Methods -Explained

readFlow:

This method is used to read the specified flow details.

Parameter Name	Type	Description	Direction	Format
flowName	string	Holds the name of the flow that is to be read	IN	
integrationFlowBase	IntegrationFlowBase	Holds the flow name, source name, source type and the additional flow attributes	OUT	
contractData	ContractData	Holds the flow fields and the type	OUT	
componentServiceData	ComponentServiceData	Holds the component service fields	OUT	
integrationFlowSchema	IntegrationFlowSchema	Holds the XSD representations of the flow	OUT	

exitPoint	ExitPoint	Holds the exit point base like Application / version / TSA Job /Component service name. Additionally it holds the OVERRIDE details for application and version type of exit point	OUT	

createFlow:

This method is used to create flow in T24

Parameter Name	Type	Description	Direction	Format
exitPoint	ExitPoint	Holds the exit point base like Application / version / TSA Job /Component service name. Additionally it holds the OVERRIDE details for application and version type of exit point	IN	
integrationFlowBase	IntegrationFlowBase	Holds the flow name, source name, source type and the additional flow attributes	IN	

contractData	ContractData	Holds the flow fields and the type	IN	
componentServiceData	ComponentServiceData	Holds the component service fields	IN	
integrationFlowSchema	IntegrationFlowSchema	Holds the XSD representations of the flow	OUT	

getRelevantFlows:

This method applies filter based on the exit point type and retrieves the filtered Flows.

Parameter Name	Type	Description	Direction	Format
exitPointType	String	Exit point type	IN	
integrationFlows	String	Holds the list of Integration Flow Names for the exit point type.	OUT	

validateFlow :

Checks whether the flow is a valid flow by validating the flow inputs

Parameter Name	Type	Description	Direction	Format

exitPoint	ExitPoint	Holds the exit point base like Application / version / TSA Job /Component service name. Additionally it holds the OVERRIDE details for application and version type of exit point	IN	
integrationFlowBase contractData componentServiceData	IntegrationFlowBase ContractData ComponentServiceData	Holds the flow name, source name, source type and the additional flow attributes Holds the flow fields and the type Holds the component service fields	IN IN IN	

updateFlow :

This method is used to update the existing flow.

Parameter Name	Type	Description	Direction	Format

exitPoint	ExitPoint	Holds the exit point base like Application / version / TSA Job /Component service name. Additionally it holds the OVERRIDE details for application and version type of exit point	IN	
integrationFlowBase	IntegrationFlowBase	Holds the flow name, source name, source type and the additional flow attributes	IN	
contractData	ContractData	Holds the flow fields and the type	IN	
componentServiceData	ComponentServiceData	Holds the component service fields	IN	
integrationFlowSchema	IntegrationFlowSchema	Holds the XSD representations of the flow	OUT	

deleteFlow :

This method is used to delete the existing flow.

Parameter Name	Type	Description	Direction	Format
flowName	String	Name of the flow to be deleted	IN	

getAllFlowSchemas :

This method is used to read all the flow schema's from T24.

Parameter Name	Type	Description	Direction	Format
integrationFlowSchemas	IntegrationFlowSchema	Holds all the flow schemas read from IF.INTEGRATION.FLOW.CATALOG table	OUT	

deleteAllFlows :

This method is used to delete all the flow schema's from T24 that is created under a specific project.

Parameter Name	Type	Description	Direction	Format
projectName	String	Name of the project whose flow need to be deleted	IN	

updateDataLibrary :

The method is used to update the data library record, with the changes made in the flow definition.

Parameter Name	Type	Description	Direction	Format
dataLibraryUpdateResponse	IntegrationFlowDataLibrary	Response object that holds the response for updateDataLibrary method	OUT	

getAllFlowNames :

This method gets the list of flows available

Parameter Name	Type	Description	Direction	Format
flowNames	String	List that holds the available flows	OUT	

getFlowSchema :

This method provides the schema for the specified flow.

Parameter Name	Type	Description	Direction	Format
flowName	String	Name of the flow	IN	
integrationFlowSchema	IntegrationFlowSchema	Holds the flow schema for the flowName provided as input	OUT	