

IIB Failed Event Management Stop Message Flow

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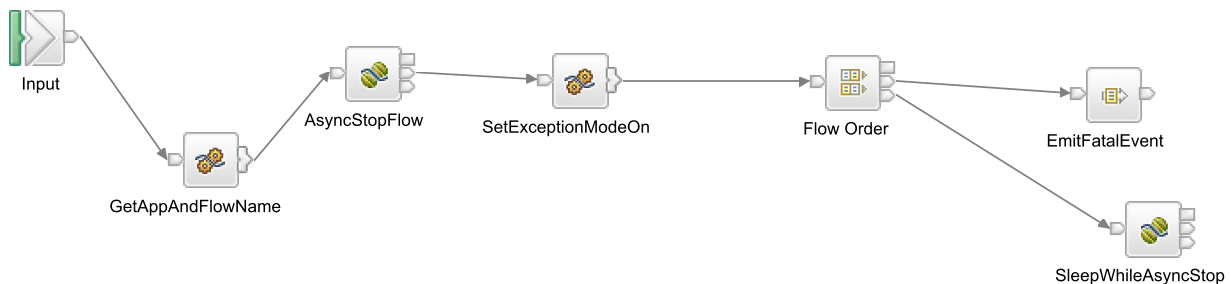
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1 Message Flow "StopFlow"

/IOBKApplication/StopFlow.subflow

1.1 Overview



1.1.1 Short Description

Stop the Containing Message Flow

1.1.2 Long Description

This subflow performs the following:

- Determines identity of the containing message flow.
- Issues a request to the IIB node (broker) to stop the containing message flow
- Sets Exception Mode On (fail safe against multi-threaded containing message flows)
- Emits an IIB Monitoring Event - FATAL event
- Ends such that the containing flow can be stopped.

1.2 Node - "Input"

Short Description
Long Description

1.3 AsyncStopFlowNode - "AsyncStopFlow"

Short Description	Obtain a handle to the containing message flow in which we are running and then issue a request to the Integration Node (broker) to stop the flow
Long Description	
Java Class	StopFlow_AsyncStopFlow.java

1.4 Flow OrderNode - "Flow Order"

Short Description
Long Description

1.5 EmitFatalEventNode - "EmitFatalEvent"

Short Description	Emit a FATAL event via the IIB monitoring framework to alert the operator that something has gone very wrong and the message flow has been stopped
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Long Description

1.6 SleepWhileAsyncStopNode - "SleepWhileAsyncStop"

Short Description	Issue a short sleep of this message flow (thread) while the broker is stopping the containing message flow.
Long Description	As we should be single threaded in order to maintain sequence and this message flow issued the request to stop the flow I would not expect any new messages to be processed.
Java Class	StopFlow_SleepWhileAsyncStop.java

1.7 SetExceptionModeOnNode - "SetExceptionModeOn"

Short Description	Set Exception Mode to ON. Stop any new messages being processed while the containing message flow is being stopped.
Long Description	
ESQL File	StopMsgFlow.esql

1.8 GetAppAndFlowNameNode - "GetAppAndFlowName"

Short Description	Use ESQL to get name of the containing message flow and the name of the containing application
Long Description	The name of the containing message flow and the name of the containing application(optional) will be used by the AsyncStopflow Java code to request that integration node (broker) stop the containing message flow
ESQL File	StopMsgFlow.esql

2 Cross Reference

The tables in this section show how resources are related to one another.

3 Documentation generation settings

General settings

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Utilized documentation units

Source	Documentation unit	Documentation type
StopFlow.subflow	SubFlow Documentation Unit	detailed