

Element name	Attribute name	Required	Default Value
GatewayListenerController root node (1)			
any	command-queue-class	n	null (no command queue)
	commandConnFactoryClass	n	ConnectionFactory
	commandJndiType	n	jboss
	commandJndiURL	n	localhost
	commandIsTopic	n	false
	commandJndiName	n	null
	messageSelector	n	null
	parameterReloadSecs	n	180 seconds
	endTime	n	for ever

Email configuration child element (0,1)

EmailProperties

org.jboss.soa.esb.mail.smtp.host	n	localhost
org.jboss.soa.esb.mail.smtp.user	n	null
org.jboss.soa.esb.mail.smtp.password	n	null
org.jboss.soa.esb.mail.smtp.port	n	25
org.jboss.soa.esb.mail.smtp.from	n	null
org.jboss.soa.esb.mail.smtp.auth	n	false

Controlled gateway listener classes (1,*)

any (except EmailProperties)

All gateway listener classes can contain (0,1) <action> child elements

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action		y	
	class		
	process	n	process

Users can specify their own action class (the class responsible to compose an ESB Message). If they don't, there is a default action class for each transport (File, JMS, SQL). If they do, the class must have a constructor taking a single ConfigTree argument, and a 'compose' method (default name for method is 'process') that takes a single Object argument, and returns a Message object.

If user supplied action class needs more run time configuration attributes and/or elements, these must belong inside the action element (enclosed within the <action> </action> pair).

Action classes receive their own Element at constructor time, naturally including all child elements.

FileGatewayListener configuration

Default Message composing action for FileGatewayListener if no <action> element is specified, is to put file contents into Message Body as a byte []

gatewayClass	y	
target-service-category	y	
target-service-name	y	
pollLatencySeconds	n	10
inputDir	y	
inputSuffix	y	
workSuffix	n	.esbWork
errorDir	n	defaults to inputDir
errorSuffix	n	.esbError
postDir	n	defaults to inputDir
postSuffix	n	.esbDone
postDelete	n	false

JmsGatewayListener configuration

Default Message composing action for JmsGatewayListener if no <action> element is specified, is to put JMS message contents into Message Body as a byte []

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Types of JMS messages handled by the default ESB message composer class are: TextMessage, BytesMessage and ObjectMessage

gatewayClass	y	
target-service-category	y	
target-service-name	y	
connection-factory	n	ConnectionFactory
jndi-type	n	jboss
jndi-URL	n	localhost
destination-name	y	
message-selector	n	null

SqlTableGatewayListener configuration

For each row found in the table/view the listener will put all column values in the 'selectFields' attribute into a java.util.Map.

If user specifies an <action> element, then the action's process(Object) method Default Message composing action for SqlTableGatewayListener if no <action> is specified, is to place this Map in the resulting Message named property: "sqlF

gatewayClass	y	
target-service-category	y	
target-service-name	y	
pollLatencySeconds	n	10
driver	y	
URL	y	
username	n	zero length string
password	n	zero length string
tableName	y	
selectFields	y	
keyFields	y	
inProcessField	y	
whereCondition	n	null

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orderBy	n	null
postDelete	n	false

Mnemonic

Comments

JmsCommandQueue.COMMAND_CONN_FACTORY
 JmsCommandQueue.COMMAND_JNDI_TYPE
 JmsCommandQueue.COMMAND_JNDI_URL
 JmsCommandQueue.COMMAND_IS_TOPIC
 JmsCommandQueue.COMMAND_JNDI_NAME
 JmsCommandQueue.COMMAND_MSG_SELECTOR

GatewayListenerController.RELOAD_SECONDS_TAG
 GatewayListenerController.END_TIME_TAG

Environment.SMTP_HOST
 Environment.SMTP_USERNAME
 Environment.SMTP_PASSWORD
 Environment.SMTP_PORT
 Environment.SMTP_FROM
 Environment.SMTP_AUTH

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There must always be a root node even if none of its attributes are set

Use 'org.jboss.soa.internal.soa.esb.command..JmsCommandQueue' if you wish to send runtime asynchronous commands to your listener controller, via a JMS queue

If no command queue is specified, maximum run time and frequency of parameter reloading, can be specified using the following two attributes

yyyyMMdd hh:mm:ss

If present, must be an immediate child of the root node

ListenerTagNames.ACTION_ELEMENT_TAG
ListenerTagNames.ACTION_CLASS_TAG
ListenerTagNames.PROCESS_METHOD_TAG

e from an Object

sing'
irns an ESB Message

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GatewayListenerController.GATEWAY_CLASS_TAG
ListenerTagNames.TARGET_SERVICE_CATEGORY_TAG
ListenerTagNames.TARGET_SERVICE_NAME_TAG
ListenerTagNames.POLL_LATENCY_SECS_TAG

must be 'org.jboss.soa.esb.listeners.gateway.FileGatewayListener'
Used to search in Registry
Used to search in Registry

ListenerTagNames.FILE_INPUT_DIR_TAG
ListenerTagNames.FILE_INPUT_SFX_TAG
ListenerTagNames.FILE_WORK_SFX_TAG
ListenerTagNames.FILE_ERROR_DIR_TAG
ListenerTagNames.FILE_ERROR_SFX_TAG
ListenerTagNames.FILE_POST_DIR_TAG
ListenerTagNames.FILE_POST_SFX_TAG
ListenerTagNames.FILE_POST_DEL_TAG

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GatewayListenerController.GATEWAY_CLASS_TAG must be 'org.jboss.soa.esb.listeners.gateway.JmsGatewayListener'
ListenerTagNames.TARGET_SERVICE_CATEGORY_TAG Used to search in Registry
ListenerTagNames.TARGET_SERVICE_NAME_TAG Used to search in Registry

JMSEpr.CONNECTION_FACTORY_TAG
JMSEpr.JNDI_TYPE_TAG
JMSEpr.JNDI_URL_TAG
JMSEpr.DESTINATION_NAME_TAG
JMSEpr.MESSAGE_SELECTOR_TAG

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thod will receive the Map mentioned above
element

RowData" (mnemonic: ListenerTagNames.SQL_ROW_DATA_TAG)

GatewayListenerController.GATEWAY_CLASS_TAG must be 'org.jboss.soa.esb.listeners.gateway.SqlTableGatewayListener'
ListenerTagNames.TARGET_SERVICE_CATEGORY_TAG Used to search in Registry
ListenerTagNames.TARGET_SERVICE_NAME_TAG Used to search in Registry
ListenerTagNames.POLL_LATENCY_SECS_TAG

JDBCEpr.DRIVER_TAG
JDBCEpr.URL_TAG
JDBCEpr.USERNAME_TAG
JDBCEpr.PASSWORD_TAG
ListenerTagNames.SQL_TABLE_NAME_TAG
ListenerTagNames.SQL_SELECT_FIELDS_TAG
ListenerTagNames.SQL_KEY_FIELDS_TAG
ListenerTagNames.SQL_IN_PROCESS_FIELD_TAG
ListenerTagNames.SQL_WHERE_CONDITION_TAG

All fields in this list must also be in the selectFields list
Used to avoid concurrent access to same row

ListenerTagNames.SQL_ORDER_BY_TAG
ListenerTagNames.SQL_POST_DEL_TAG