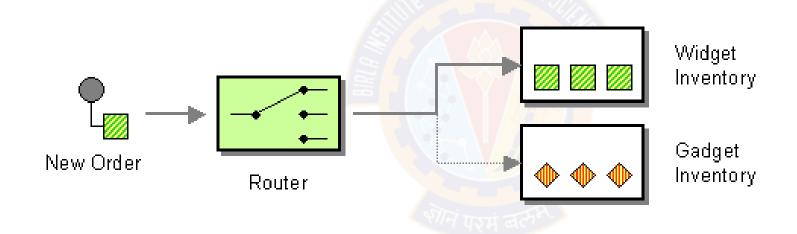


- Content-Based Router
- Message Filter
- Dynamic Router
- Recipient List
- Splitter
- Aggregator
- Resequencer
- Composed Msg-Processor
- Scatter-Gather
- Routing Slip



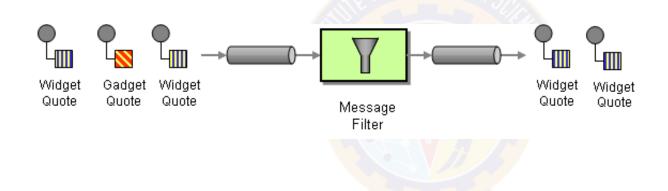
Content-Based Router

The Content-Based Router examines the message content and routes the message onto a
different channel based on data contained in the message. The routing can be based on a
number of criteria such as existence of fields, specific field values etc.



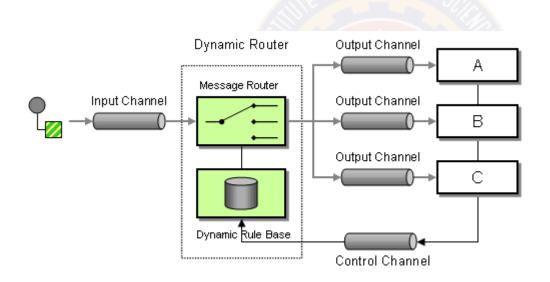
Message Filter

• The Message Filter has only a single output channel. If the message content matches the criteria specified by the Message Filter, the message is routed to the output channel. If the message content does not match the criteria, the message is discarded.



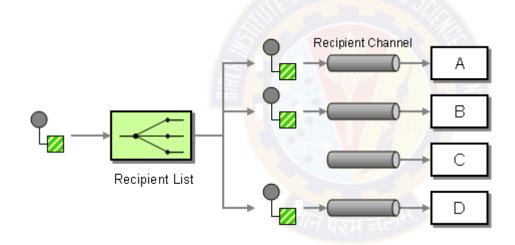
Dynamic Router

• Use a *Dynamic Router*, a Router that can self-configure based on special configuration messages from participating destinations.



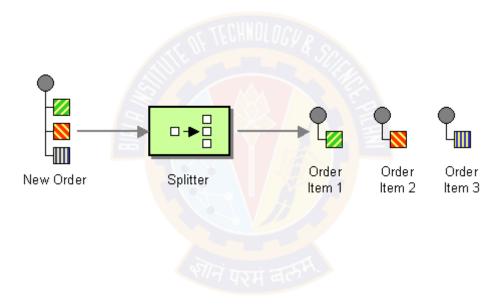
Recipient List

• Define a channel for each recipient. Then use a *Recipient List* to inspect an incoming message, determine the list of desired recipients, and forward the message to all channels associated with the recipients in the list.



Splitter

• Use a Splitter to break out the composite message into a series of individual messages, each containing data related to one item.



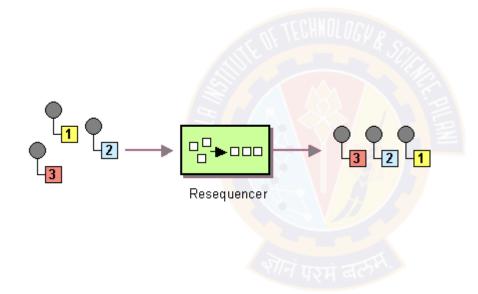
Aggregator

 Use a stateful filter, an Aggregator, to collect and store individual messages until a complete set of related messages has been received. Then, the Aggregator publishes a single message distilled from the individual messages.



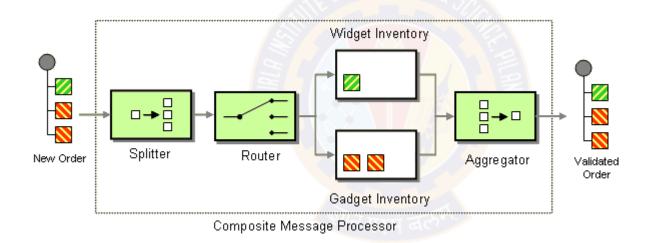
Resequencer

• Use a stateful filter, a Resequencer, to collect and re-order messages so that they can be published to the output channel in a specified order.



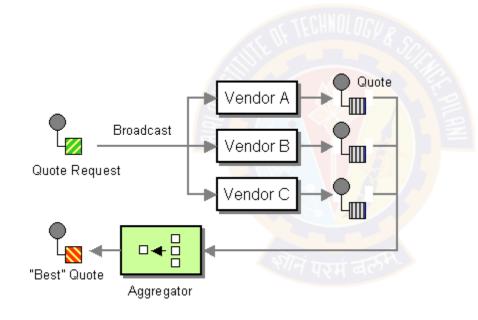
Composed Message Processor

 Use Composed Message Processor to process a composite message. The Composed Message Processor splits the message up, routes the sub-messages to the appropriate destinations and re-aggregates the responses back into a single message.



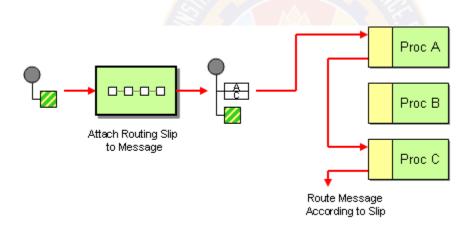
Scatter-Gather

• Use a *Scatter-Gather* that broadcasts a message to multiple recipients and re-aggregates the responses back into a single message.



Routing Slip

Attach a Routing Slip to each message, specifying the sequence of processing steps.
 Wrap each component with a special message router that reads the Routing Slip and routes the message to the next component in the list.





Thank You!

In our next session: Message Transformation