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# Integrated Capture Points Guide

Kafka Capture Point - Matching Requests and Replies

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Unlike JMS, which supports `MessageID` and `CorrelationID` message properties for request and reply matching, Kafka does not provide any built-in means for this goal. Thus, Kafka Capture Point uses its own convention to allow matching outbound replies for the inbound requests.

Kafka Capture Point adds header `MessageID` to each outbound reply. Its value is the string representation of index of partition and offset of the inbound message separated with a dot. That is, if an inbound message is received from partition 6 with offset 20451, then the value of the `MessageID` header of the reply is `6.20451`.

Though `MessageID` uniquely identifies an inbound request, it is not always convenient. Thus, Kafka Capture Point reads the value of the first `CorrelationID` header of the inbound request and sends it back in the `CorrelationID` header of the reply. The name of the header used for reading correlation ID can be configured in the Kafka Capture Point option `correlation-id-header-key`. By default, it is `CorrelationID`.

## Important

If the Kafka Capture Point option `copy-original-headers-in-reply` is set to `true`, the order of the `CorrelationID` header in the list of all headers copied from the inbound request to the outbound reply is preserved.

This approach effectively emulates the JMS message properties `MessageID` and `CorrelationID`.

This behavior applies to all outbound messages sent in reply to inbound requests including messages sent to the notification, processed, and error topics.