MESSAGE PROCESSING PIPELINE FOR STREAMS

ABSTRACT OF THE DISCLOSURE

Methods, systems, and computer program products that reduce buffer requirements in a messaging system so that the messaging system can send or receive relatively larger messages using a given buffer size. Message handlers are provided, each identifying a corresponding processing operation to perform on a message object having a streamed portion with a stream oriented interface. Pipelines comprising ordered collections of the message handlers are provided as well. The message object is processed by the message handlers in the message pipelines, such that at least one message handler encapsulates the streamed portion of the message object with its corresponding processing operation. The corresponding processing operation is to be performed at a future time, and encapsulates the streamed portion of the message object without materializing the stream portion in a buffer. The messaging system may be an intermediary for routing a message object or an endpoint.

Figure 4