

IMPROVING AVAILABILITY AND SCALABILITY IN A MESSAGING SYSTEM IN A MANNER TRANSPARENT TO THE APPLICATION

ABSTRACT OF THE DISCLOSURE

5 Methods, systems, and computer program products that provide for a runtime
messaging infrastructure, which abstracts send and receive operations for exchanging
messages with partner endpoint. The messaging infrastructure improves availability
and scalability of a message application by improving on the availability and
scalability of the underlying message transports. In particular, availability and
10 scalability are improved by linking the message application at runtime with any
number of the message transports, without the message application specifying a
transport at development time. The message infrastructure receives instructions from
the message application specifying end-to-end delivery assurances. The infrastructure
uses transports in order to fulfill the specified delivery assurance, and creates a link
15 between the message application and transports for use in exchanging messages.
Session state storage can be maintained in a pluggable store, which could be, for
example, a durable database store or an application memory store.

20 Figure 2

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