CLAIMS

The invention claimed is :

1. A method, comprising:

receiving a copy of a journal report ~~(610) a message to be reconciled~~ corresponding to a journal report ~~message~~ sent by a server ~~(110)~~ to an archive, the copy of the journal report comprising a message to be reconciled corresponding to a message sent by the server to the archive ~~(140)~~ for storage;

categorizing by a processor, ~~(620)~~ the received message for reconciliation into one of a plurality of categories based on whether an amount of time that has elapsed since the copy of the journal report was received is within one or more time intervals, wherein a first category corresponds to a first time interval corresponding to at least one of delivery and processing latency associated with the archive and a second category corresponds to a second time interval corresponding to the time period after the expiration of the first time period and before the expiration of a local cache lifetime wherein the copy of the message is stored in the local cache;

issuing ~~(630)~~ a delivery confirmation query to the archive according to categorization of the message for reconciliation, wherein a delivery confirmation query is not issued for at least one category and is issued for at least one other category; and

determining ~~confirming (640)~~ whether the message sent from the server to the archive is stored at the archive based on a response to the delivery confirmation query.

2. The method of claim 1, comprising issuing a configuration query requesting configuration information from the archive including an expected latency. ~~receiving a copy of a journal report corresponding to a journal report sent by the server to the archive.~~

3. The method of claim 1, wherein a third category corresponds to a third time interval corresponding to a time interval for resolving delay issues. ~~comprising issuing a configuration query requesting configuration information from the archive including an expected latency.~~

4. The method of claim 1, comprising categorizing the message to be reconciled based on receiving a negative response to the delivery confirmation query. ~~one more time intervals.~~

5. The method of claim 1~~4~~, comprising issuing a retry query after receiving a negative response to the delivery confirmation query. ~~wherein the time intervals comprise one or more of a time interval corresponding to latency associated with the archive, a time interval when a copy of the message to be reconciled is available in a local cache, and a time interval for resolving delay issues.~~

6. The method of claim 5~~1~~, comprising resubmitting the message to be reconciled to the archive after receiving a negative response to the retry query. ~~categorizing the message to be reconciled based on receiving a negative response to the delivery confirmation query.~~

7. The method of claim 1, comprising :

storing the message to be reconciled; and

deleting the message to be reconciled after receiving a positive ~~issuing a retry query after receiving a negative~~ response to the delivery confirmation query.

8. The method of claim 1~~7~~, comprising issuing the delivery confirmation query to the archive in accordance with a web service protocol . ~~resubmitting the message to be reconciled to the archive after receiving a negative response to the retry query.~~

9. A computer-readable storage medium having computer-executable instructions stored thereon which, when executed by a computer, will cause the computer to :

receive a copy of a journal report corresponding to a journal report sent by a server to an archive, the copy of the journal report comprising a message to be reconciled corresponding to a message sent by the server to the archive for storage;

categorize the message to be reconciled into one of a plurality of categories based on whether an amount of time that has elapsed since the copy of the journal report was received is within one or more time intervals, wherein a first category corresponds to a first time interval corresponding to at least one of delivery and processing

latency associated with the archive and a second category corresponds to a second time interval corresponding to the time period after the expiration of the first time period and before the expiration of a local cache life-time, wherein the copy of the message is stored in the local cache;

issue a delivery confirmation query to the archive, wherein a delivery confirmation query is not issued for at least one category and is issued for at least one other category;

and

confirm whether the message sent from the server to the archive is stored at the archive based on a response to the delivery confirmation query.

~~The method of claim 1, comprising:~~

~~storing the message to be reconciled; and~~

~~deleting the message to be reconciled after receiving a positive response to the delivery confirmation query.~~

10. The computer-readable medium ~~method~~ of claim 9~~1~~, wherein a third time interval corresponding to a time interval for resolving delay issues. ~~comprising issuing the delivery confirmation query to the archive in accordance with a web service protocol.~~

11. The ~~An article comprising a machine or~~ computer-readable ~~storage~~ medium of claim 9, further comprising computer-executable instructions stored thereon which, when executed by a computer, will cause the computer to issue a retry query after receiving a negative response to the delivery confirmation query. ~~containing instructions that when executed enable a system to implement the method of any one of claims 1 to 10.~~

12. The computer-readable medium of claim 11, further ~~An apparatus,~~ comprising computer-executable instructions stored thereon which, when executed by a computer, will cause the computer to resubmit the message to be reconciled to the archive after receiving a negative response to the retry query.

~~:~~

~~a message receiving component (332) to receive a copy of a journal report from a journaling agent (125), the copy of the journal report comprising a message to be~~

~~reconciled corresponding to a message sent by the journaling agent to an archive (140) for storage;~~

~~a categorizing component (334) to categorize the received message for reconciliation; and~~

~~a query issuing component (336) to issue a delivery confirmation query to the archive for determining whether the message sent from a server (110) to the archive is stored at the archive.~~

13. The computer-readable medium ~~apparatus~~ of claim 9 ~~12~~, further comprising computer-executable instructions stored thereon which, when executed by a computer, will cause the computer to :

store the message to be reconciled; and

delete the message to be reconciled after receiving a positive response to the delivery confirmation query.~~:~~

~~a query response receiving component (338) to receive a response to the delivery confirmation query from the archive, wherein the query issuing component issues a retry query after receiving a negative response to the delivery confirmation query; and~~

~~a remediation component (342) to resubmit the message to be reconciled to the archive after receiving a negative response to the retry query.~~

14. An ~~The~~ apparatus, comprising :

a processing unit;

a message receiving component executing on the processing unit to receive a copy of a journal report from a journaling agent, the copy of the journal report comprising a message to be reconciled corresponding to a message sent by the journaling agent to an archive for storage;

a categorizing component executing on the processing unit to categorize the received message for reconciliation into one of a plurality of categories based on whether an amount of time that has elapsed since the copy of the journal report was received is within one or more time intervals, wherein a first category corresponds to a first time interval corresponding to at least one of delivery and processing latency associated with the archive and a second category corresponds to a second time interval correspond to the time period after the expiration of the first time period and before

the expiration of a local cache lifetime, wherein the copy of the message is stored in the local cache; and

a query issuing component executing on the processing unit to issue a delivery confirmation query to the archive for determining whether the message sent from the server to the archive is stored at the archive, wherein a delivery confirmation query is not issued for at least one category and is issued for at least one other category. ~~of claim 12, wherein apparatus comprises the journaling agent.~~

15. The apparatus of claim 14~~12~~, comprising :

a query response receiving component to receive a response to the delivery confirmation query from the archive, wherein the query issuing component issues a retry query after receiving a negative response to the delivery confirmation query; and

a remediation component to resubmit the message to be reconciled to the archive after receiving a negative response to the retry query. ~~wherein the delivery confirmation query comprises a web service query.~~

16. The apparatus of claim 14, wherein apparatus comprises the journaling agent.

17. The apparatus of claim 14, wherein the delivery confirmation query comprises a web service query.

18. The method of claim 3, comprising issuing a delivery confirmation query for messages in the second category , and not issuing delivery confirmation queries for messages in the first and third categories.

19. The computer-readable medium of claim 10, further comprising computer -executable instructions stored thereon which, when executed by a computer, will cause the computer to issue a delivery confirmation query for messages in the second category, and not issue delivery confirmation queries for messages in the first and third categories.

20. The apparatus of claim 14, the plurality of categories comprising a third category, corresponding to a third time interval corresponding to a time interval for

resolving delay issues; and the query issuing component to issue a delivery confirmation query for messages in the second category, and not issue delivery confirmation queries for messages in the first and third categories.

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