

Tracking of messages from external program to biztalk and back

Asked 16 years ago Modified 9 years ago Viewed 2k times



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I have an external program that will generate an xml document out from the db and pass it to BizTalk. Is it possible to create a transaction id or something(the id the message as in the DB) so I can keep track of the message in BizTalk, and store information in a BizTalk custom Pipeline to the database with the given transaction id?

I want to store if it failes or not, and I have custom pipelines that catch this information for storing. I don't want to be depending on HAT for error handling.

How is the best way to keep track of messages in BizTalk, sent from external programs that need to store information about the BizTalk processing? Any link/book tips would be helpful too. Thanks!

database

biztalk

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asked Dec 3, 2008 at 15:24



estranda

3 Answers

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3

From an architectural point of view, as is often the case, there are several ways to achieve what you want, and how the solution would look like will vary greatly depending on your exact scenario.



Within BizTalk, the best way to track a flow initiated by a particular message is the interchange id.



The interchange ID is a context property that flows as the processing of an incoming message progresses and is copied from one message to another throughout the process(es). Technically it is the message id of the received message that started the interchange.

If you need a single ID to group "everything" together, this is it.

If, in your scenario you have the option to return this back to your caller it would be able to link it to anything you need (in and out of the database).

If you can't, but the caller can pass you the ID it has assigned to this request, you can update the database record with the interchange ID to link the two.

As the processes progresses (successfully or not) you can always go back and update that record as you ALWAYS have access to the interchange id within BizTalk.

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edited Dec 15, 2015 at 22:20



Dijkgraaf

11.5k ● 17 ● 44 ● 56

answered Dec 5, 2008 at 11:06



Yossi Dahan

5,357 ● 2 ● 30 ● 50



1



It could be a good thing to really think about what you want. Probably you want the sending customer/internal system to follow their message in some way, but does the status have to be read by an application or is it some users that needs the status of the message?



One way is, like mentioned above, to give them a correlating interchange id (in a response message), but then what? It is quite difficult to set up a service that an application can query about status which also is easy to maintain (regarding process changes). I've built one and you can get information about all the instances the message passes, but it won't make your customer any "wiser" since they probably cannot translate your orchestration, or pipeline, names into something understandable.

Another approach is to use BAM and make a web site the customer can use to find status of their message, like most delivery company have, DHL for example. It might need some more effort, but I think it's better to tailor made the solution for the needs.

With BAM you can extract data without changing your BizTalk projects at all. "Just" analyze your needs to find out what data to extract, or aggregate, in the BAM-Excel, export it to BizTalk database, activate and connect it with the Tracking Profile Editor.

Then you can show important mile stones to the customer in a web site. I know it's not that easy as I described above, but it will be good :)

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edited Dec 15, 2015 at 22:21



Dijkgraaf

11.5k ● 17 ● 44 ● 56

answered Dec 25, 2008 at 20:16



Martin Bring

1,236 ● 1 ● 8 ● 17



0



If you post a message to BizTalk, it returns to you by default the SubmissionHandle. This is a Context property available to you from the receive port. It can then be captured in an orchestration and used to correlate errors back to the original submission.



Optionally, you can use a two way receive HTTP port and send back whatever you want to the calling application. You can either return instantly with a message or wait to return a success or failure based on what occurs during processing.

Good Luck

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answered Dec 3, 2008 at 19:14

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Christian Loris

4,284 ● 1 ● 23 ● 30
