

Re: Retry on certain exceptions?

Source:

<http://www.tech-archive.net/Archive/BizTalk/microsoft.public.biztalk.general/2006-06/msg00316.html>

- *From:* "Jeremy Chapman" <please@Idontlikespam>
 - *Date:* Tue, 20 Jun 2006 13:27:46 -0700
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That's an interesting solution to try. Thanks. If the web service fails because of a sql exception, I'll end up getting a bunch of suspended messages in the messagebox for each retry though right? And if i get my custom exception I'll end up with 1 suspended message. My ideal scenario would be no suspended messages if the web service throws my custom exception (a handled error), and 1 suspended message if it's a sql error (or unhandled exception).

"Matt Meleski" <MattMeleski@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:13AF24B4-1345-476E-8FDD-80A9DA0CCCA4@xxxxxxxxxxxxxxxxxxxx>

A way to approach this is to build your own Retry Pattern in your orchestration to call the Web Service. Therefore:

- 1) for you Soap Send port set the Retry property to zero.
- 2) In your orchestration, then add a loop shape. Within that loop shape, add your existing shapes to call the Web Service -> with the Exception blocks.

Your Expression for you loop shape would be something like

```
intCounter <= intAllowedRetryAttempts && blnContinueLoop
```

Before your loop shape you would initialize your variables to something like:

```
intCounter = 1;  
intAllowedRetryAttempts = 3;  
blnContinueLoop = true;
```

In the loop shape, after successfully calling your Web Service, you would set :

```
blnContinueLoop = false;
```

In your custom exception block set :

```
blnContinueLoop = false;
```

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In your sql Exception block:

```
intAllowedRetryAttempts = intAllowedRetryAttempts + 1;
```

You could also use a delay shape to delay a certain interval between the next retry.

Matt

"Jeremy Chapman" wrote:

I have an orchestration which calls a web service. The send port is set to retry 3 times, once every 1 minute. I've got a scope with a catch around the send shape for additional workflow if the web service call fails. My web service parses the some text and makes some sql calls. If the sql calls fail I want the orchestration to continue retrying which is the default behaviour, but I also have parsing logic in the web service which throws some custom exception if the data can't be parsed. If these custome exceptions are thrown, I don't want the orchestration to retry the send port. Is this possible to do?