

## Re: Biztalk 2004: How to pass database facts from C# code?

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*Source:*

<http://www.tech-archive.net/Archive/BizTalk/microsoft.public.biztalk.general/2006-06/msg00391.html>

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- *From:* "Matt Milner" <[matt.milner@m3technologypartners.com](mailto:matt.milner@m3technologypartners.com)>
  - *Date:* Fri, 23 Jun 2006 09:08:46 -0500
- 

Right before your typedxml document line, add this (making the appropriate replacements for the strings):

```
DataConnection dc = new DataConnection("mydatabasename", "mytablename", new  
SqlConnection("myconnectionstring"));
```

then, make your short term facts array have a length of two so you can add this line right after you add your typed xml document.

```
shortTermFacts[1] = dc;
```

Matt

"Pankaj" <[Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:B5E90851-D1FC-46AF-8FC2-230F7C399064@xxxxxxxxxxxxxxxxxxxx](mailto:news:B5E90851-D1FC-46AF-8FC2-230F7C399064@xxxxxxxxxxxxxxxxxxxx)

Thanks for the response Matt. Do you have any code sample links for doing this? That would really help me.

"Matt Milner" wrote:

You can fill up a datatable and then wrap that in a TypedDataTable and pass it as a fact. Or, you can create a SQL connection and wrap it in the DataConnection class. The one you choose will depend on how your rule properties are configured. By default, they will expect the connection. Highlight the database fact in the business rule editor and check the properties to be sure. Be sure the string parameters you use to create the typeddatatable or the dataconnection match those in your rules.

Matt

"Pankaj" <[Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:FC4CDFAE-7A86-41F5-A155-167FDC818C02@xxxxxxxxxxxxxxxxxxxx](mailto:news:FC4CDFAE-7A86-41F5-A155-167FDC818C02@xxxxxxxxxxxxxxxxxxxx)

Re: Biztalk 2004: How to pass database facts from C# code?

Hi

Tools: C#, .NET 1.1 and Biztalk 2004

I want to execute a policy rule which gets fired based on some input xml and database facts. I am able to pass the input xml facts but how to I pass the database facts information before executing policy. Basically, by passing "Role" information, I want to get "Salary" values which are stored in a database table.

Following is the code snippet:

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Input XML:

```
<ns0:EmpInfo xmlns:ns0="http://EmployeeInfo.EmpInfo">
  <Emp>
    <Salary></Salary>
    <Role>Manager</Role>
  </Emp>
  <Emp>
    <Salary></Salary>
    <Role>CIO</Role>
  </Emp>
</ns0:EmpInfo>
```

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```
public string Execute(string sRequestXML, out string
sResponseXML, out
string sErrorMsg)
{
  sResponseXML = string.Empty;
  sErrorMsg = string.Empty;
  DebugTrackingInterceptor dti = new
  DebugTrackingInterceptor(@"C:\Biztalk\projects\EmployeeInfo\XSDs\jit.txt");

  //create an instance of the XML object
  XmlDocument xd1 = new XmlDocument();
  xd1.Load(@"C:\Biztalk\projects\EmployeeInfo\XSDs\Copy
of
```

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```
EmpInfo_output.xml");  
  
TypedXmlDocument doc1 = new  
TypedXmlDocument("EmpInfo",xd1);  
// create the array of short-term facts  
object[] shortTermFacts = new object[1];  
shortTermFacts[0] = doc1;  
  
Policy policy = null;  
// now execute to see what happens  
try  
{  
  
//Console.WriteLine("Grabbing the policy ...");  
policy = new Policy("EmpInfo");  
policy.Execute(shortTermFacts, dti);  
  
FileInfo finfo = new  
FileInfo(@"C:\Biztalk\projects\EmployeeInfo\XSDs\ProcessedRFP.xml");  
StreamWriter writer = finfo.CreateText();  
writer.Write(doc1.Document.OuterXml);  
writer.Close();  
  
}  
catch (Exception ex)  
{  
FileInfo finfoError = new  
FileInfo(@"C:\Biztalk\projects\EmployeeInfo\XSDs\Error.xml");  
StreamWriter writerError = finfoError.CreateText();  
writerError.Write(ex.Message);  
writerError.Close();  
}  
  
dti.CloseTraceFile ();  
  
policy = null;  
return "PASS";  
  
}
```