

# 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/msg00401.html>

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- *From:* Pankaj <[Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 23 Jun 2006 15:04:02 -0700
- 

Fantastic. Worked in first shot. Thanks a bunch.

"Matt Milner" wrote:

Right before your typedxmldocument 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@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Pankaj@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:B5E90851-D1FC-46AF-8FC2-230F7C399064@xxxxxxxxxxxxxxxxxx](mailto:news:B5E90851-D1FC-46AF-8FC2-230F7C399064@xxxxxxxxxxxxxxxxxx)

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

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

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  
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 ();
```

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```
policy = null;  
return "PASS";
```

```
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```