

Re: DTSSStepExecResult, DTSSStepExecStatus, and execute package task

Source: <http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.dts/2004-11/0384.html>

From: Kevin Lloyd (lloydk_at__nospam__quaero.com)

Date: 11/16/04

Date: Tue, 16 Nov 2004 15:52:32 -0500

Thanks, Darren, and you're right, it's not ideal. My expectaiton is it passes the error up the chain, but, again, DTS does something we can't do anything about. It's a step error within a package and not a package error. The problem here, though, is that a failure in the child *fails* the parent as well, which is *not* what I want.

Unfortunately, I think I'll need to resort to the following ActiveX script task in order to truly get the logic I want. Also unfortunate is I can't get a hold of GetExecutionErrorInfo through VBScript. This may not be the best solution, but I've been messing with a workaround long enough.

On a side note, do you know of a way to execute a specific function within an ActiveX Script Task or pass it variables? I can't think of any outside of writing VB code and creating custom functions.

Thanks, Kevin

```
*****  
' Visual Basic ActiveX Script  
*****
```

Option Explicit

Function Main()

```
    dim oPkg, errCode  
  
    set oPkg = createobject ("DTS.Package")  
  
    'could create an RS and loop all packages to execute  
    oPkg.LoadFromSQLServer "(local)", , , 256, , , "TIMSS STG_Order  
Extract"  
  
    oPkg.Execute  
    errCode = tracePackageError (oPkg)  
    if errCode <> "" then
```

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```
    set oPkg = nothing
    msgbox errCode
    DTSGlobalVariables.Parent.Steps("SendFailureMail").Execute
    Main = DTSTaskExecResult_Failure
else

    set oPkg = nothing
end if
' end loop here

Main = DTSTaskExecResult_Success
```

End Function

Function tracePackageError(oPackage)

```
Dim ErrorCode
Dim ErrorSource
Dim ErrorDescription
Dim ErrorHelpFile
Dim ErrorHelpContext
Dim ErrorIDofInterfaceWithError
Dim i
```

```
For i = 1 To oPackage.Steps.Count
If oPackage.Steps(i).ExecutionResult = DTSSStepExecResult_Failure Then
'oPackage.Steps(i).GetExecutionErrorInfo ErrorCode, ErrorSource,
ErrorDescription
tracePackageError = "Step """" & oPackage.Steps(i).Name & """" of package
"""" & oPackage.Name & """" failed."
End If
Next
```

End Function

"Darren Green" <darren.green@reply-to-newsgroup-sqldts.com> wrote in message
news:uKF5wTAzEHA.1296@TK2MSFTNGP10.phx.gbl...

```
> An execute package task will only fail through a child error if the
> *child*
> has fail on first error set to true.
>
> The exec package task worked, it executed the child package, so is a child
> failure a failure of the parent task? How does a child execution failure
> compare to a failure to even load the child? The answer is it can be both
> hence you need to set the option for what you want in the child. Not
> always
> ideal, but that is the way it works.
>
>
> --
> Darren Green
```

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> <http://www.sqldts.com>
>
>
> "Kevin Lloyd" <klloydsqldb@yaho.com> wrote in message
> news:6ed68e17.0411160901.4e6f46d7@posting.google.com...
>> I have a package with several steps (execute package tasks) which
>> execute other DTS packages. Attached to each step, I have an ActiveX
>> workflow script to check the execution of the previous step (the
>> ultimate purpose will be to act as a failure step and send mail).
>> This script, as expected, runs prior to the execution of the execute
>> package task.
>>
>> However, the DTSSStepExecResult value is not returning correctly based
>> on the execution of the previous step (the execute package task). The
>> previous step fails with the error "Column name 'column' was not
>> found." This is an expected error from the package. The
>> DTSSStepExecResult for the previous step returns 0
>> (DTSSStepExecResult_Success) and 4 (DTSSStepExecStat_Completed) for
>> status, so I know it has executed. It should be returning
>> DTSSStepExecResult_Failure.
>>
>> Both execute package steps (tasks) are set to execute on main thread
>> and fail package on error is false. I have also tried the setting
>> off, and it executes with the same issue. The ActiveX workflow for
>> the step after the failing step is as follows (normally an 'if'
>> statement would check and then DTSSStepScriptResult would be set
>> accordingly):
>>
>> Function Main()
>>
>> MsgBox DTSGlobalVariables.Parent.Steps("ExtractOrders").ExecutionResult
>> MsgBox DTSGlobalVariables.Parent.Steps("ExtractOrders").ExecutionStatus
>>
>> ' check all steps just to make sure
>> for each step in DTSGlobalVariables.Parent.Steps
>> MsgBox step.Name & ": " & step.ExecutionResult
>> next
>>
>> Main = DTSSStepScriptResult_DontExecuteTask
>> End Function
>>
>> If you have seen this or know what might be incorrect to fix it,
>> please let me know. Standard DTS package and not executing through VB
>> or VB.NET.
>>
>> Microsoft SQL Server 2000 – 8.00.760 (Intel X86)
>> Dec 17 2002 14:22:05
>> Copyright (c) 1988–2003 Microsoft Corporation
>> Standard Edition on Windows NT 5.0 (Build 2195: Service Pack 4)
>>
>> Thanks, Kevin

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