Subject: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Sun, 21 May 2023 19:48:54 GMT
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```
procedure TChatForm.btn1Click(Sender: TObject);
begin
 qryFireEvents.SQL.Clear;

 if qryFireEvents.Connection.ConnectionMetaDataIntf.EventSupported then begin
  qryFireEvents.Connection.ExecSQL('delete from dbo.Test');
  qryFireEvents.Connection.ExecSQL('insert into dbo.Test values (1, ''Test1'')');

  qryFireEvents.Connection.ExecSQL('delete from dbo.Test2');
  qryFireEvents.Connection.ExecSQL('insert into dbo.Test2 values (1, ''Test2'')');

 end;
end;

procedure TChatForm.ea1Alert(ASender: TFDCustomEventAlerter;
  const AEventName: string; const AArgument: Variant);
var
 i: Integer;
 sArgs: String;
begin
 if VarIsArray(AArgument) then
  begin
  sArgs := '';
  for i := VarArrayLowBound(AArgument, 1) to VarArrayHighBound(AArgument, 1) do
    begin
   if sArgs <> '' then
    sArgs := sArgs + ', ';
   sArgs := sArgs + VarToStr(AArgument[i]);
  end;
 end
 else if VarIsNull(AArgument) then sArgs := '<NULL>'
 else if VarIsEmpty(AArgument) then sArgs := '<UNASSIGNED>'
 else sArgs := VarToStr(AArgument);
 Mem1.Lines.Add('Event - [' + AEventName + '] - [' + sArgs + ']');

end;

procedure TChatForm.FormClose(Sender: TObject; var Action: TCloseAction);
begin
```

```
 if not ea1.Active then Exit;
 ea1.Unregister;
end;

procedure TChatForm.FormCreate(Sender: TObject);
begin
 if ea1.Active then  Exit;

 ea1.Names.Clear;

 ea1.Names.Add('QUEUE=?');
 ea1.Names.Add('SERVICE=?');
 ea1.Names.Add('CHANGE1=ev1;select id, name from dbo.Test');
 ea1.Names.Add('CHANGE2=ev2;select id, name from dbo.Test2');
 ea1.Options.Synchronize := True;
 ea1.Register;
end;
```

Project warehouse.exe raised exception class EFDException with message '[FireDAC][Phys][MSSQL]-326. Cannot perform the action, because the previous action is in progress'.

ODBC 18, MS SQL 2022 Developer

Subject: Re: MS SQL+Alerts+FireDAC
Posted by on Mon, 22 May 2023 09:17:27 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by VladF on Mon, 22 May 2023 11:45:27 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by on Mon, 22 May 2023 12:14:10 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by VladF on Mon, 22 May 2023 14:04:21 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by on Mon, 22 May 2023 14:56:03 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Mon, 22 May 2023 18:06:50 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by SD on Mon, 22 May 2023 21:29:00 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by VladF on Tue, 23 May 2023 06:44:47 GMT
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Microsoft SQL Server QueryNotifies (*) The Query Update Notification service is used. The TFDEventAlerter.Names content should have one of the following formats:

CHANGE<index>=<message>;<SELECT query>. The event is fired when the data returned by the SELECT query is be updated and the <message> is returned as the event name. To fire an event, an UPDATE statement against the selected data must be executed.
<message>. FireDAC creates the _FD_EVENTS table. The event is fired when the VALUE of the NAME=<message> row is updated. To fire an event, an UPDATE statement must be performed.

Additionally, these parameters can be specified in the Names:

SERVICE=<name>. The name of the service to use. '?' means creating a uniquely-named service and dropping it after usage.
QUEUE=<name>. The name of the message queue to use. '?' means creating a uniquely-named queue and dropping it after usage.

Note: To enable the query notification, execute the following command:

ALTER DATABASE <your db name> SET ENABLE_BROKER

Subject: Re: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Tue, 23 May 2023 19:37:53 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by VladF on Wed, 24 May 2023 07:27:47 GMT
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https://stackoverflow.com/questions/44648052/unable-to-get-the-delphi-eventalerter-sample-working-with-sql-server-2012

Subject: Re: MS SQL+Alerts+FireDAC
Posted by shigor on Thu, 25 May 2023 14:45:47 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Fri, 26 May 2023 21:30:02 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by SD on Sat, 27 May 2023 11:26:18 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Sat, 27 May 2023 15:05:21 GMT
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Subject: Re: MS SQL+Alerts+FireDAC
Posted by BlackEric on Sat, 27 May 2023 16:07:37 GMT
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Tutorial: Real-time chat with SignalR 2

Subject: Re: MS SQL+Alerts+FireDAC
Posted by GrigoryFomin on Sun, 28 May 2023 11:08:33 GMT
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