

Re: Can you update/process AS2005 cube with AMO and SQL authentication

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.olap/2006-09/msg00161.html>

- *From:* "Jéjé" <willgart_A_@xxxxxxxxxxxxxxxx>
 - *Date:* Mon, 11 Sep 2006 11:15:24 -0400
-

well...

create an SQL login without a password on the server and use it to access the database instead of a secured access.
this is not safe but could easily solve the issue.

I don't understand why you don't want to force the client to use Windows Authentication while its required to access the AS server! (so you currently use this windows authenticaion)
your users must have administrator access to the AS database to do these changes, so you are able to give them access to the source database too using the windows authentication.

but I hope this workaround will help you.

<aabdell@xxxxxxxx> wrote in message
<news:1157985591.319664.153230@xx>
Because we do not want to force the client to use Windows Authentication.

Abdel

Jéjé wrote:

so, why you don't use the NT authentication method but based on the service account (not the user account or a SQL login)?

<aabdell@xxxxxxxx> wrote in message
<news:1157980775.731991.9660@xx>

As an example, an attribute can be added to a dimension:
Dimension dim;
DimensionAttribute attr;
dim = db.Dimensions.GetByName("Product");

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```
attr = dim.Attributes.Add("Weight");
attr.KeyColumns.Add(CreateDataItem(db.DataSourceViews[0],
"DimProduct",
"Weight"));
attr.AttributeHierarchyEnabled = false;
db.Update(UpdateOption.ExpandFull);
db.Process(ProcessType.ProcessFull);
```

if you have Connection to the datasource as the following using SQL Server Authentication:

```
db.DataSources(0).ConnectionString "Provider=SQLNCLI.1;Data
Source=MyServerNamedInstance;Persist Security Info=True;User
ID=sa;Initial Catalog=AdventureWorksDW" String
```

The following exception will be returned trying to process the database:

```
+ ex { "OLE DB error: OLE DB or ODBC error: Login failed for user
'sa'.; 28000.
' Errors in the high-level relational engine. A connection
could not be made to the data source with the DataSourceID of
'AdventureWorksDW', Name of 'AdventureWorksDW'.
' Errors in the OLAP storage engine: An error occurred while
the dimension, with the ID of 'Product', Name of 'Product' was being
processed.
' Errors in the OLAP storage engine: An error occurred while
the 'Category' attribute of the 'Product' dimension from the
'AmoAdventureWorks' database was being processed.
' OLE DB error: OLE DB or ODBC error: Login failed for user
'sa'.; 28000.
' Errors in the high-level relational engine. A connection
could not be made to the data source with the DataSourceID of
'AdventureWorksDW', Name of 'AdventureWorksDW'.
' Errors in the OLAP storage engine: An error occurred while
the dimension, with the ID of 'Product', Name of 'Product' was being
processed.
' Errors in the OLAP storage engine: An error occurred while
the 'Product Line' attribute of the 'Product' dimension from the
'AmoAdventureWorks' database was being processed.
' OLE DB error: OLE DB or ODBC error: Login failed for user
'sa'.; 28000.
' Errors in the high-level relational engine. A connection
could not be made to the data source with the DataSourceID of
'AdventureWorksDW', Name of 'AdventureWorksDW'.
' Errors in the OLAP storage engine: An error occurred while
the dimension, with the ID of 'Product', Name of 'Product' was being
processed.
' Errors in the OLAP storage engine: An error occurred while
the 'List Price' attribute of the 'Product' dimension from the
'AmoAdventureWorks' database was being processed.
' " } System.Exception
```

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Jeje wrote:

cube metadata vs access to source data are 2 different things when you say "We have an application that updates cube metadata programmatically" do you talk about an application that add dimension, cubes, measures etc... in an OLAP Database? This type of access only use Windows authentication, there is no SQL Server login because its SSAS not SQL Server.

Can you describe what is your issue, where and when you suffer a limitation?

"Stan Kondrat"

<StanKondrat@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

news:8CEA8915-22EC-4610-9275-ADE61934F419@xxxxxxxxxxxxxxxxxxxx

I have seen a few post on this before. If you use SQL Server user and password in Data Source connection string, the password is never returned to the AMO client. If you're doing any updates to the cube (and call AMO Update method) the subsequent Process method will fail because the cube was updated with an incomplete connection string.

Is there any way out of this mess? Are we forced to use Windows authentication to perform this kind of operations? Did Microsoft overdo something with security here?

We have an application that updates cube metadata programmatically

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and
cannot prompt the user for the password.

Stan