
Question

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SQL Export Data with %SQL.ExportMgr

Hi Everyone,

I am trying the Export and Import application as per this link referred here: [ExImData](#)

I have the following sample class I am trying to import:

```
Class Persistent.PersonBackup Extends %Persistent
{ Property Name As %String; Storage Default
{
<Data name="PersonBackupDefaultData">
<Value name="1">
<Value>%%CLASSNAME</Value>
</Value>
<Value name="2">
<Value>Name</Value>
</Value>
</Data>
<DataLocation>^Persistent.PersonBackupD</DataLocation>
<DefaultData>PersonBackupDefaultData</DefaultData>
<IdLocation>^Persistent.PersonBackupD</IdLocation>
<IndexLocation>^Persistent.PersonBackupI</IndexLocation>
<StreamLocation>^Persistent.PersonBackupS</StreamLocation>
<Type>%Library.CacheStorage</Type>
}}
```

And the below is the SQL Representation:

```
SELECT
ID, Name
FROM Persistent.PersonBackup
```

Row count: 100 Performance: 0.003 seconds 133 global references 6756 lines executed 0 di

ID	Name
1	Quixote,Bart X.
2	Yancik,Dick J.
3	Quilty,Vincent J.
4	Eisenstien,William E.
5	Mara,Julie P.
6	Tweed,Debra D.
7	Geoffrion,Christine Q.
8	Roentgen,Roger A.
9	Faust,Mario Q.
10	Malkovich,Quentin M.
11	Townsend,Rob A.
12	Macrakis,Christine I.
13	Ihringer,Diane H.
14	Umansky,Norbert Z.
15	Bush,Tara D.
16	Kovalev,Emilio C.
17	Campos,Maria G.
18	Hertz,Richard Z.

When I try to Export this data using the %SQL.ExportMgr with the following code (as per example in the referred link)

```
/// do setupExportImport^uTask12440("Export","PERSISTENT","PERSONBACKUP")
setupExportImport(Wizard,SchemaName,TableName)
If Wizard = "Export" {
  set mgr = ##class(%SQL.Export.Mgr).%New()
```

```

}
Else { Set mgr = ##class(%SQL.Import.Mgr).%New() }
Set mobj = ##class(%SQL.Manager.API).%New()
Set ok = mobj.CheckIdentifier(.SchemaName)
Set ok = mobj.CheckIdentifier(.TableName)
Set classname = mobj.FindClassName(SchemaName_"_"_TableName)
Set mgr.FileName = "c:\intersystems\cache\pro\mgr\user\data.txt"
Set mgr.TableName = SchemaName_"_"_TableName
Set mgr.ClassName = classname
Set mgr.Delimiter = $(9) // tab
Set mgr.StringQuote = "" // double quotes
Set mgr.DateFormat = 1 // MM/DD/{YY}YY
Set mgr.TimeFormat = 1 // hh:mm:ss
Set mgr.TimestampFormat = 1 // ODBC format (Import only)
Set mgr.NoCheck = 1 // disable validation (Import only)
Set mgr.HasHeaders = 1 // import file contains column headers
Do mgr.ColumnNames.Insert("Name") // insert a column name
Do mgr.ColumnTypes.Insert("String") // insert a column datatype

```

```

if (Wizard="Export") do Export
quit

```

```

Export()
Set result = mgr.GenerateExportRoutine()
If result '= 1 Write !,"Error generating export routine: ",result Quit
Set sta = mgr.OpenExport()
If $$$ISERR(sta) {
    Set ErrMsg = "Unable to open export file"
} Else {
    Set sta = mgr.GetExportSize(.size)
    If size = 0 {
    } Else {
        Set tSC = $$$OK
        Do {
            Set tSC = mgr.ExportRows(.rows,.done)
            Set total = total + rows
            If $$$ISERR(tSC) Quit
        } While done = 0
        If $$$ISOK(tSC) {
            Set tmsg = "Completed at "_$ZDATETIME($HOROLOG)
        } Else {
            Set tmsg = "Error occurred during export."
        }
        Set statusmsg = "Exported: "_total_" rows"
        Write !,tmsg,!,statusmsg
    }
    Do mgr.CloseExport()
}
Do mgr.DeleteExportRoutine()
Quit

```

I keep getting the following error:

```

USER>do setupExportImport^uTask12440("Export","PERSISTENT","PERSONBACKUP")

<SUBSCRIPT>zGenerateExportRoutine+21^%SQL.Export.Mgr.1 ^rINDEXSQL("rv","")
USER 4e1>w

SchemaName="PERSISTENT"
TableName="PERSONBACKUP"
Wizard="Export"
classname="Persistent.PersonBackup"
cols=1
delim=" "
i=1
mgr=<OBJECT REFERENCE>[1@%SQL.Export.Mgr]
mobj=<OBJECT REFERENCE>[2@%SQL.Manager.API]
ok=1
rtn=<OBJECT REFERENCE>[5@%Library.Routine]
sample=0
sep=", "
USER 4e1>

```

I have no idea what is causing this error as this code is generated in the function:

```

// $ZDT($H,3) is a then generated code that writes sample data to a local variable.
Method GenerateExportRoutine(sample As %Integer = 0) As %Status
{
    New rtn,i,text,cols,delim,type,sc,name,colno,sep

    ; ignore skipped fields at the end
    For cols=..ColumnNames.Count()-1:0 Quit:..ColumnNames.GetAt(cols)=""

    If cols=0 Quit $$$ERROR($$$GeneralError,"2012 - Export: No columns to export.")
    Set delim=..Delimiter
    Set:delim="" "" delim="" "" ;double-quote |

    If ..FileName="" Quit $$$ERROR($$$GeneralError,"2013 - Export: Missing file name.")
    If ..TableName="" Quit $$$ERROR($$$GeneralError,"2014 - Export: Missing table name.")

    ; find unused routine name
    Set i=1
    For Quit:##class(%Routine).Exists(..#RTNPREFIX_i_".MAC") Set i=i+1

    ; create routine object
    Set rtn=##class(%Routine).%New(..#RTNPREFIX_i)

    ; generate export code
    Do rtn.WriteLine(rtn.Name_ " ; SQL Export routine generated on " $ZDT($H,3))
    Do:sample=0 rtn.WriteLine(" ; Export to file.")
    Do:sample=1 rtn.WriteLine(" ; Export sample to local variable.")

    Set sep=", "
    Set:sample=1 sep="_ "

    ; include files for this table's extent

```

Any input is highly appreciated.

[#Data Import and Export](#) [#SQL](#) [#Caché](#)

Product version: Caché 2017.1