

VBA: List SDE Layers With Metadata Source

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This script works on a selected set of SDE feature datasets and feature classes within ArcCatalog.

It reports the layers and their 'source' as identified in the metadata citation section

```
Public Sub listallwithsource()
    Open "C:\temp\sgidtest\listall.txt" For Output As #2
    Dim pGxApp As IGxApplication
    Dim pSelGxObject As IGxObject
    Dim pGxSel As IGxSelection
    Dim pEnumGxObjSel As IEnumGxObject
    Dim pGxDataset As IGxDataset
    Dim pMetadata As IMetadata
    Dim pPropertySet As IPropertySet

    Dim pGxObjContainer As IGxObjectContainer
    Dim pEnumGxObj As IEnumGxObject
    Dim pCurrGxObject As IGxObject

    Dim vName As String
    Dim vValue As Variant
    Dim V As Variant

    Set pGxApp = Application
    Set pGxSel = pGxApp.Selection
    Set pEnumGxObjSel = pGxSel.SelectedObjects
    pEnumGxObjSel.Reset
    Set pSelGxObject = pEnumGxObjSel.Next
    Dim fcCnt As Long
    Do Until pSelGxObject Is Nothing
        If pSelGxObject.Category = "SDE Feature Class" Then
            fcCnt = fcCnt + 1
            Debug.Print " .. " & pSelGxObject.BaseName
            Print #2, " .. " & pSelGxObject.BaseName
        ElseIf pSelGxObject.Category = "SDE Feature Dataset" Then

            Debug.Print pSelGxObject.BaseName & " (FDS)"
            Print #2, ""
            Print #2, pSelGxObject.BaseName & " (Category)"

            Set pGxObjContainer = pSelGxObject
            If pGxObjContainer.HasChildren Then
                Set pEnumGxObj = pGxObjContainer.Children
                If Not pEnumGxObj Is Nothing Then
                    Set pCurrGxObject = pEnumGxObj.Next
                    Do Until pCurrGxObject Is Nothing
                        If pCurrGxObject.Category = "SDE Feature Class" Then
                            fcCnt = fcCnt + 1
                            If TypeOf pCurrGxObject Is IGxDataset Then
                                Set pGxDataset = pCurrGxObject

                                Set pMetadata = pGxDataset 'QI
                                Set pPropertySet = pMetadata.Metadata

                                vName = "idinfo/citation/citeinfo/origin"
                                vValue = pPropertySet.GetProperty(vName)
                                Dim sstr As String
                                sstr = ""
                            End If
                        End If
                    Loop
                End If
            End If
        End If
    Loop
End Sub
```

```
If Not IsEmpty(vValue) Then
  For Each V In vValue
    sstr = sstr & CVar(V) & " "

  Next

  If InStr(sstr, "REQUIRED") > 0 Then
    sstr = ""
  End If
End If

  Debug.Print " .. " & pCurrGxObject.BaseName & " (src: " & sstr & ")"
  Print #2, " .. " & pCurrGxObject.BaseName & " (src: " & sstr & ")"
End If
End If
Set pCurrGxObject = pEnumGxObj.Next
Loop
End If
End If
End If
Set pSelGxObject = pEnumGxObjSel.Next
Loop
Close #2
End Sub
```