Dim sPro,sDsn,sSer,sCon,conn'链接wincc数据库

Dim oRs,oCom,sSql

Dim start\_time,end\_time

Dim start\_time1,end\_time1

Dim ii

Dim mysreadsheet,columcount,addheader,myindex'spreadsheet connection

Dim data\_type,data\_base'searching data base

Dim data\_range, tops'searching data range

sPro = "Provider=WinCCOLEDBProvider.1;"'设置OLE DB程序提供的名称

sDsn = "Catalog=" & HMIRuntime.tags("@DatasourceNameRT").Read& ";"'设置wincc数据库名称

sSer="Data Source=.\WinCC"'设置服务器名称

sCon = sPro + sDsn + sSer

Msgbox sCon

start\_time = Dateadd("h",-8,ScreenItems(".NET 控件1").value)'查询起始时间，东八区和格林威治时间差8小时

end\_time = Dateadd("h",-8,ScreenItems(".NET 控件2").value)'查询结束时间，东八区和格林威治时间差8小时

start\_time1=Year(start\_time)&"-"&Month(start\_time)&"-"&Day(start\_time)&" "& Hour(start\_time)&":"&Minute(start\_time)&":"&Second(start\_time)

end\_time1=Year(end\_time)&"-"&Month(end\_time)&"-"&Day(end\_time)&" "& Hour(end\_time)&":"&Minute(end\_time)&":"&Second(end\_time)

Set conn=Createobject("ADODB.Connection")'设置对象

 conn.ConnectionString=sCon'设置数据连接的ConnectionString属性

 conn.CursorLocation=3

 conn.open'打开数据库，也可以不设置ConnectionString，直接使用conn.open sCon方式

 sSql = "Tag\_EX:R,('strs\str1';'strs\str2'),'"&start\_time1&"','"&end\_time1&","'查询语句

Msgbox sSql

Set oRs = CreateObject("ADODB.Recordset")'创建记录集对象

Set oCom = CreateObject("ADODB.Command")'创建查询对象

 oCom.CommandType = 1'设置Command类型 1：按命令或者存储过程调用的文本定义计算CommandText

Set oCom.ActiveConnection = conn'设置定义连接

 oCom.CommandText = sSql'设置包含提供者(provider)命令的字符串值默认值为""(零长度字符串)

Set oRs=oCom.Execute

 columcount=oRs.RecordCount

Set mysreadsheet=ScreenItems("控件1")

 mysreadsheet.Columns(1).ColumnWidth=20

 'mysreadsheet.Columns(2).ColumnWidth=250

 columcount=oRs.fields.count

 mysreadsheet.Range("a1:z2000").Clear

 mysreadsheet.Range("a1:z2000").HorizontalAlignment= -4108

 For addheader=1 To columcount

 mysreadsheet.rows(1).Cells(addheader)=CStr(oRs.fields(addheader-1).name)

 Next

 oRs.MoveFirst

 myindex=1

 While Not oRs.eof

 myindex=myindex+1

 For ii=1 To columcount

 If CStr(oRs.fields(ii-1).name)="Timestamp"Then

 mysreadsheet.rows(myindex).Cells(ii).value=FormatDatetime(oRs.fields(ii-1).value,2)&" "&Dateadd("h",+8,FormatDatetime(oRs.fields(ii-1).value,3))

 Else

 mysreadsheet.rows(myindex).Cells(ii).Value=oRs.fields(ii-1).value'名称和IP

 End If

 ' mysreadsheet.rows(myindex).Cells(ii)=CStr(objrecordset.fields(ii-1).name)

 Next

 oRs.MoveNext

 Wend

 Msgbox "Searching Is Over",0,"alert"

 'mysreadsheet.activesheet.Export("e:\\export\"&Year(Now)&"\_"&Month(Now)&"\_"&Day(Now)&"\_"& Hour(Now)&"\_"&Minute(Now)&"\_"&Second(Now)&"\_data.xls")

 oRs.Close

 conn.close

 Set oRs=Nothing

 Set oCom=Nothing

 Set conn=Nothing

以上脚本是读取字符串变量的值，如果要读取数值变量则上面的代码中：

sSql = "Tag\_EX:R,('strs\str1';'strs\str2'),

改成

sSql = "Tag:R,('strs\data1';'strs\data2'),