

XML常用语法

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```
DECLARE @sXml xml, @docHandle int
SET @sXml='<DocumentElement>
<Info sTableName="saUser" sInsertIden="" sDeleteIden="2"/>
<saUser sName="aaa">
  <ilden>1</ilden>
  <sUserNo>caizh1</sUserNo>
</saUser>
<saUser>
  <ilden>3</ilden>
  <sUserNo>zhouf3</sUserNo>
</saUser>
</DocumentElement>'
```

```
SELECT sName=A.Node.value('@sName','nvarchar(100)')
,ilden=A.Node.value('(/ilden)[1]','int')
,sUserNO=A.Node.value('(/sUserNo)[1]','nvarchar(100)')
FROM @sXml.nodes('//saUser') A(Node)
```

```
EXEC sp_xml_preparedocument @docHandle OUTPUT, @sXml
SELECT *
FROM OPENXML(@docHandle, N'/DocumentElement/saUser')
WITH(ilden INT './ilden/text()'
,sUserNo NVARCHAR(50) './sUserNo/text()'
,sName NVARCHAR(100)
)
```

```
EXEC sp_xml_removedocument @docHandle
```

```
SELECT @sxml.value('(/DocumentElement/saUser/ilden/text())[1]','INT')
SELECT @sxml.value('(/DocumentElement/saUser/ilden/text())[2]','INT')
SELECT @sxml.value('(/DocumentElement/Info/@sTableName)[1]','NVARCHAR(MAX)')
select @sxml.query('(/DocumentElement/saUser/ilden/text())[1]')
select @sxml.query('(/DocumentElement/saUser/ilden/text())[2]')
```

```
SELECT [@ilden]=ilden,sUserName
FROM dbo.saUser FOR XML PATH('user')
```

```
IF @x.exist(N'/a/@id')=1
  print 100
IF @x.exist(N'/a/@id[.=1]')=1
  print 200
IF @x.exist(N'/a/@id[contains(., "1")]')=1
  print 300
IF @x.exist(N'/a/text()[.="yy"]')=1
  print 400
```

```

//取节点的下属属性
SELECT sControlName=B.Node.value('@Name','NVARCHAR(50)')
      ,sLayout=CONVERT(NVARCHAR(MAX),dbo.fnpbStringDecompress(B.Node.value('(./Layout/text()
[1]','NVARCHAR(MAX)'))))
      INTO #Layout_16360
      FROM dbo.dvForm A(NOLOCK)
      CROSS APPLY A.sUILayout.nodes('//Control') B(Node)
      WHERE A.ildn=@iFormId

//UILayout.XML还原
SET @sXML=(SELECT [@Name]=A.sControlName,Layout=dbo.fnpbStringCompress(A.sLayout)
              FROM #Layout_16360 A
              FOR XML PATH('Control'),ROOT('UILayout')
              )

//遍历XML节点
DECLARE @xml xml='
<CustomAttributesConfig xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Attributes>
    <Attribute sName="bAutoRetriveAfterSave" sValue="true" bInherited="false" sIF="" />
    <Attribute sName="bAutoSetContainerVisible" sValue="true" bInherited="false" sIF="" />
    <Attribute sName="bSaveByExecCacheOnly" sValue="true" bInherited="false" sIF=":sUserNo=caizh" />
    <Attribute sName="iBillTypeld" sValue="128" bInherited="false" sIF="1=2" />
    <Attribute sName="sInItCondition" sValue="1=1" bInherited="false" sIF="1=1" />
    <Attribute sName="sUIConfigGroup" sValue="Layout,Control" bInherited="false" sIF="" />
  </Attributes>
</CustomAttributesConfig>'
DECLARE @sXML NVARCHAR(MAX)=CONVERT(NVARCHAR(MAX),@xml)
DECLARE @i INT=1
DECLARE @childs XML=@xml.query('/CustomAttributesConfig/Attributes/Attribute[@sIF!=""]')
SELECT @childs
DECLARE @iCount INT=@childs.value('count(/Attribute)','INT')
SELECT @iCount
DECLARE @child XML
DECLARE @sIF NVARCHAR(100)="",@s NVARCHAR(MAX)=""
WHILE @i <= @iCount
BEGIN
  SELECT @child=@childs.query('/Attribute[position()=sql:variable("@i")]')
  SET @sIF=@child.value('/Attribute/@sIF[1]','nvarchar(100)')
  --SELECT @i,@sIF

  SET @sxml=REPLACE(@sxml,@sIF,'0')

  SET @i+=1
END
SET @xml=@sXML
set @xml.modify('delete /CustomAttributesConfig/Attributes/Attribute[@sIF="0"]')
SELECT @xml

```

```
--按条件查找取单个值
DECLARE @xml XML=<'<OutParam>
  <Field sName="iUserId" sValue="1055" />
</OutParam>'
SELECT @xml.query('/OutParam/Field)[./@sName="iUserId"]')
       .value('/Field/@sValue[1]', 'NVARCHAR(MAX)')
```