

Advanced SQL To XML Query

Product Information Page:

http://www.advancedreliablesoftware.com/advanced_sql_to_xml_query.html

Advanced SQL To XML Query is a relational database client utility that allows execution of SQL (Structured Query Language) statements on Microsoft SQL Server databases. Resultsets returned by select statements are automatically converted to XML files and persisted to a directory of your choice.

Step 1 – Database Type

Select database type: Microsoft SQL Server.

Step 1 - Database Type

Microsoft SQL Server

Step 2 – Database Connection Settings

Provide database connection details:

Step 2 - Database Connection Settings

Microsoft SQL Server Authentication Windows Authentication

Database Server: Login:

Database Name: Password:

Step 3 – Define Root Node

Assign name to the root element of your XML data structure:

Step 3 - Define Root Node

Root Node:

Step 4 – SQL Statement

Enter select SQL statement to be executed on the target database. Use table order in the “from” clause to indicate parent / child relationships in output XML. Use table aliases in the “from” clause to assign element names in output XML. Use column aliases to assign attribute or child element names in output XML.

Convert columns to XML elements – Select this option to convert column names to child XML elements.

Step 4 - Structured Query Language (SQL) Statement

Convert columns to XML elements Convert columns to XML attributes

```
select FirstName + ' ' + LastName as 'EmployeeName', Title as 'EmployeeTitle', City
as 'EmployeeCity'
from Employees as Employee
```

Corresponding output XML:

```
<?xml version="1.0" encoding="UTF-8" ?>
- <Employees>
- <Employee>
  <EmployeeName>Nancy Davolio</EmployeeName>
  <EmployeeTitle>Sales Representative</EmployeeTitle>
  <EmployeeCity>Seattle</EmployeeCity>
</Employee>
- <Employee>
  <EmployeeName>Andrew Fuller</EmployeeName>
  <EmployeeTitle>Vice President, Sales</EmployeeTitle>
  <EmployeeCity>Tacoma</EmployeeCity>
</Employee>
- <Employee>
  <EmployeeName>Janet Leverling</EmployeeName>
  <EmployeeTitle>Sales Representative</EmployeeTitle>
  <EmployeeCity>Kirkland</EmployeeCity>
</Employee>
- <Employee>
  <EmployeeName>Margaret Peacock</EmployeeName>
```

Convert columns to XML attributes - Select this option to convert column names to XML attributes.

Step 4 - Structured Query Language (SQL) Statement

Convert columns to XML elements Convert columns to XML attributes

```
select FirstName + ' ' + LastName as 'EmployeeName', Title as 'EmployeeTitle', City
as 'EmployeeCity'
from Employees as Employee
```

Corresponding output XML:

```
<?xml version="1.0" encoding="UTF-8" ?>
<Employees>
  <Employee EmployeeName="Nancy Davolio" EmployeeTitle="Sales Representative" EmployeeCity="Seattle" />
  <Employee EmployeeName="Andrew Fuller" EmployeeTitle="Vice President, Sales" EmployeeCity="Tacoma" />
  <Employee EmployeeName="Janet Leverling" EmployeeTitle="Sales Representative" EmployeeCity="Kirkland" />
  <Employee EmployeeName="Margaret Peacock" EmployeeTitle="Sales Representative" EmployeeCity="Redmond" />
  <Employee EmployeeName="Steven Buchanan" EmployeeTitle="Sales Manager" EmployeeCity="London" />
  <Employee EmployeeName="Michael Suyama" EmployeeTitle="Sales Representative" EmployeeCity="London" />
  <Employee EmployeeName="Robert King" EmployeeTitle="Sales Representative" EmployeeCity="London" />
  <Employee EmployeeName="Laura Callahan" EmployeeTitle="Inside Sales Coordinator" EmployeeCity="Seattle" />
  <Employee EmployeeName="Anne Dodsworth" EmployeeTitle="Sales Representative" EmployeeCity="London" />
</Employees>
```

Step 5 – Output Directory

Click the “Select Output Directory” button to assign XML output directory path. The application will automatically persist your most recently used XML output directory path.

Step 5 - Output Directory

Select Output Directory

C:\Documents and Settings\Administrator\My Documents

Step 6 (Optional) – Output XML Document Name

Assign custom name for your XML document.

Step 6 (Optional) - Output XML Document Name

XML Document Name:

Step 7 – Generate XML Output

Click the “Generate XML Output” button to execute your select SQL statement and generate an XML document. Your XML document will be created in the directory defined in Step 5.

Step 7 - Generate XML Output

Generate XML Output

