



# SpoolFactory - Spool Converter Pro

Spool Conversion Software for i5/iSeries/AS400

**XML Format**



## The power of XML Format

- The distribution of information by electronic means has become something habitual and necessary
- The evolution has gone from paper to electronic formats like e-mail and publication on the Web
- Spool Converter Pro can help to export the content of the reports by mean of spool to XML conversion



**1** Software Description

**2** Software Architecture

**3** Available XML Formats

**4** Sample Conversions

**5** References



- **Spool Converter Pro converts \*SCS spool files to XML format**
  - The same procedure is valid for Excel conversion (XML for Excel 2003)
- **All the conversion is performed in native mode**
  - No external servers required
- **Two available modes**
  - User mode – Spool Manager
  - Command Mode – for Software Integration
- **Advanced features (only for XML, not for Excel)**
  - Multi record processing
  - Nesting allowed



## Fast software installation

- Save file available for downloading
- Restore the objects and start to use the software

## Easy learning

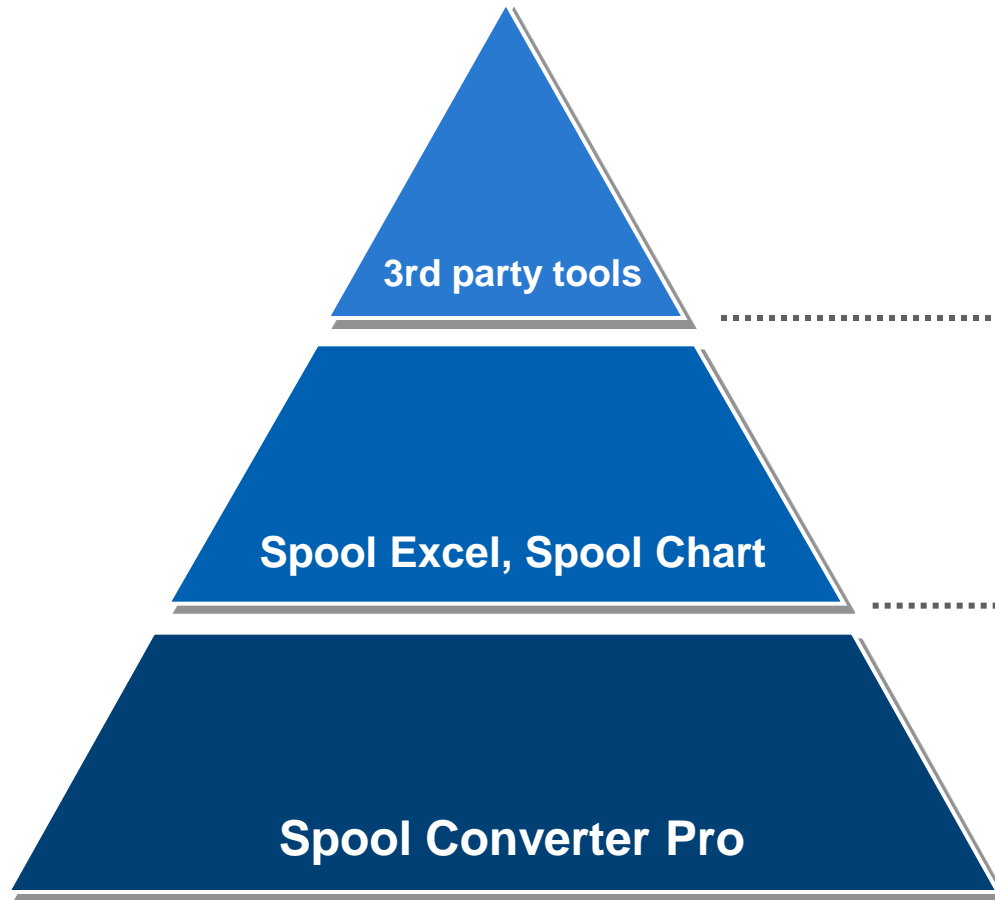
- For non-technical users, Spool Manager is the interface to convert the spool files

## OS400 or i5/OS

- The whole conversion process is entirely done in native mode
  - Images can be added to the image catalogue in the System i environment with a supplied and easy to use tool

## Command mode for developers

- Command mode allows to call the converter from CL programs
  - After spool conversion, it is possible to call a user program to execute other actions with the generated file

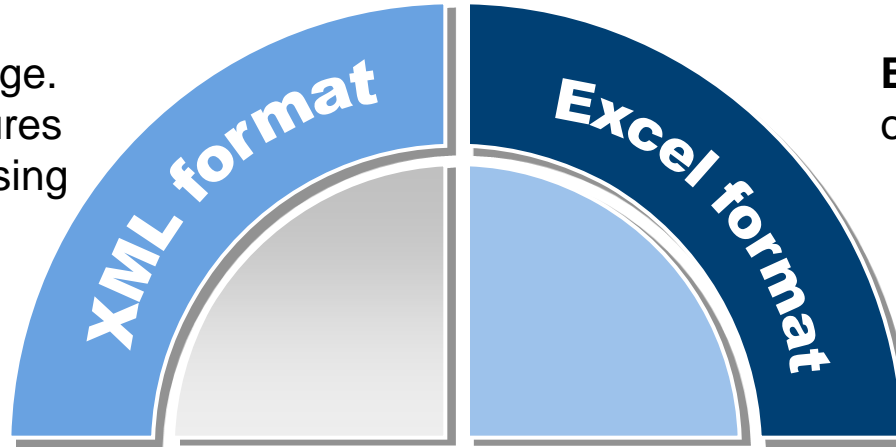


- Integration with other vendor tools
- Command implementations based on features of Spool Converter Pro
- The conversion suite developed natively for OS400

# Available XML Formats



For information exchange.  
Include advanced features  
for multi-record processing



**Excel** format is based  
on XML for Excel 2003



Sample Conversions

Simple XML Conversion

# Simple XML Conversion



## iSeries Spool Content

\*...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8

Invoice Number: 2009-109932

Customer Name: Peter Wilson Jackson

Date	Item Reference	Description	Amount	Price/Unit	Total Price
02/02/09	2112-12234-112	Software Nbr 1	2	1,000.00	2,000.00
02/12/09	4232-14783-143	Software Nbr 2	1	500.00	500.00
02/15/09	1212-33443-253	Software Nbr 3	3	600.00	1,800.00
02/16/09	1442-25463-683	Software Nbr 4	1	800.00	800.00
02/18/09	6512-13533-843	Software Nbr 5	3	500.00	1,500.00
02/20/09	1532-14353-167	Software Nbr 6	1	2,500.00	2,500.00
02/25/09	3712-14353-226	Software Nbr 7	1	3,000.00	3,000.00
02/26/09	1382-25433-842	Software Nbr 8	1	300.00	300.00
				Total	12,400.00

Payment Instructions: North Tree Mercant Bank - Account 555-AHT-1P25Q

Selected in color the lines (records) we are going to process



## Title of the Report (Optional) - Tag <title> rule

```
SpoolFactory.com                Spool Manager
  Sppafacr09                    Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 1

Action . . . . . : 9 Tag <title>
Active . . . . . : Y (Y/N) Order # :

Title . . . . . : Sales Report

                        Only for Excel
          At Row . . . . . :          At Column . . . . . :
Empty rows after title . . . . :
Size of Font . . . . 12          Color of text          (F4=Select) Black (Default)
Bold . . : N (Y/N) Italic . . : N (Y/N) Underline: N (Y/N) Alignment: C (C/L/R)

                        Only for XML
First XML level . . . . . :          (By default: document)

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Title identification is optional. If it is specified, then it will appear at the <document title> XML tag



## Identify the records to process - Tag <record> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr10              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 2

Action . . . . . : 10 Tag <record>
Active . . . . . : Y (Y/N) Order # :

Initial Position . : 63 Final Position: 64
Text to Localize . : *NUMERIC

Description . . . . : Sales Detail

Record Name . . . . : Only for XML Multi Record Processing
  It belongs to record: (Optional - Maximum five nesting level)

F3=Exit                                     F23=Delete
```

We identify the records to process, by selecting records containing numeric value for decimal part of Price/Unit field.  
Other options: decimal point of Price/Unit field, slash of date, other numeric values, or \*NUMEDIT function for numeric fields containing symbols and blanks spaces.

**Important:** If we use the Total Price field to identify the record, then we will process the Total record.

**Note:** The Description field will appear as record identification in the XML file, at this case <SalesDetail>



## Select the fields to retrieve (Date) - Tag <data> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 3

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                Tag Record Associated

Apply to Positions : 3 (From) Until : 10

Description . . . . : Date

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic   Y/N      Apply Right to Left (Hebrew/Arabic): Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

We define the positions from/until where the field is located in the record, at this case positions 3 to 10 for Date

**Note:** we have defined the name Date for the field, and it matches with the header description in the record, but we can specify any name we want for this field. It is the name which appears in the XML file. If we define a name with several words, the converter will merge the words by eliminating the spaces.



## Select the fields to retrieve (Item Reference) - Tag <data> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 4

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 13 (From) Until : 26

Description . . . . : Reference

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field
Size of Font . . . . 12          Color of text          (F4=Select) Black (Default)
Bold . . : N Y/N          Italic : N Y/N          Underline: N Y/N          Alignment: C C/L/R
Force to Alphabetic N Y/N          Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Definition of Reference field to retrieve



## Select the fields to retrieve (Description) - Tag <data> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 5

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 29 (From) Until : 44

Description . . . . : Description

                        Only for Excel
                        Width of Column . . :
Empty columns previous to this field . . : Width of empty columns . . . . :
                        Format of Header Field

Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Definition of Description field to retrieve



## Select the fields to retrieve (Amount) - Tag <data> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 6

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                Tag Record Associated

Apply to Positions : 46 (From) Until : 50

Description . . . . : Amount

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Definition of Amount field to retrieve



## Select the fields to retrieve (Unit Price) - Tag <data> rule

```
SpoolFactory.com          Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 7

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 54 (From) Until : 64

Description . . . . : Unit Price

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Definition of Unit Price field to retrieve



## Select the fields to retrieve (Total Price) - Tag <data> rule

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 8

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 68 (From) Until : 79

Description . . . . : Total Price

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field
Size of Font . . . . 12          Color of text          (F4=Select) Black (Default)
Bold . . : N Y/N          Italic : N Y/N          Underline: N Y/N          Alignment: C C/L/R
Force to Alphabetic N Y/N          Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Definition of Total Price field to retrieve



## XLM Final Result

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<document title="Sales Report">
  <SalesDetail>
    <Date>02/02/09</Date>
    <Reference>2112-12234-112</Reference>
    <Description>Software Nbr 1 </Description>
    <Amount> 2</Amount>
    <UnitPrice> 1,000.00</UnitPrice>
    <TotalPrice> 2,000.00</TotalPrice>
  </SalesDetail>
  <SalesDetail>
    <Date>02/12/09</Date>
    <Reference>4232-14783-143</Reference>
    <Description>Software Nbr 2 </Description>
    <Amount> 1</Amount>
    <UnitPrice> 500.00</UnitPrice>
    <TotalPrice> 500.00</TotalPrice>
  </SalesDetail>
  .
  .
  .
  .
</document>
```

Result obtained when the converter applies the previously defined rules

# Simple XML Conversion



## Final Result in Firefox

```
- <document title="Sales Report">
- <SalesDetail>
  <Date>02/02/09</Date>
  <Reference>2112-12234-112</Reference>
  <Description>Software Nbr 1 </Description>
  <Amount> 2</Amount>
  <UnitPrice> 1,000.00</UnitPrice>
  <TotalPrice> 2,000.00</TotalPrice>
</SalesDetail>
- <SalesDetail>
  <Date>02/12/09</Date>
  <Reference>4232-14783-143</Reference>
  <Description>Software Nbr 2 </Description>
  <Amount> 1</Amount>
  <UnitPrice> 500.00</UnitPrice>
  <TotalPrice> 500.00</TotalPrice>
</SalesDetail>
```

## Final Result in Internet Explorer

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
- <document title="Sales Report">
- <SalesDetail>
  <Date>02/02/09</Date>
  <Reference>2112-12234-112</Reference>
  <Description>Software Nbr 1</Description>
  <Amount>2</Amount>
  <UnitPrice>1,000.00</UnitPrice>
  <TotalPrice>2,000.00</TotalPrice>
</SalesDetail>
- <SalesDetail>
  <Date>02/12/09</Date>
  <Reference>4232-14783-143</Reference>
  <Description>Software Nbr 2</Description>
  <Amount>1</Amount>
  <UnitPrice>500.00</UnitPrice>
  <TotalPrice>500.00</TotalPrice>
</SalesDetail>
```



Sample Conversions

XML with Multi Record Processing

# Simple XML Conversion



## iSeries Spool Content

\*...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8

Invoice Number: 2009-109932

Customer Name: **Peter Wilson Jackson**

Date	Item Reference	Description	Amount	Price/Unit	Total Price
02/02/09	2112-12234-112	Software Nbr 1	2	1,000.00	2,000.00
02/12/09	4232-14783-143	Software Nbr 2	1	500.00	500.00
02/15/09	1212-33443-253	Software Nbr 3	3	600.00	1,800.00
02/16/09	1442-25463-683	Software Nbr 4	1	800.00	800.00
02/18/09	6512-13533-843	Software Nbr 5	3	500.00	1,500.00
02/20/09	1532-14353-167	Software Nbr 6	1	2,500.00	2,500.00
02/25/09	3712-14353-226	Software Nbr 7	1	3,000.00	3,000.00
02/26/09	1382-25433-842	Software Nbr 8	1	300.00	300.00
				Total	12,400.00

Payment Instructions: North Tree Mercant Bank - Account 555-AHT-1P25Q

Multi record processing allows to retrieve additional information than the retrieved with the main pattern.  
In red color is marked the data to retrieve in addition to the information retrieved using the previous example.



## Identify the records to process

```
SpoolFactory.com           Spool Manager
  Sppafacr10              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 2

Action . . . . . : 10 Tag <record>
Active . . . . . : Y (Y/N) Order # :

Initial Position . : 63 Final Position: 64
Text to Localize . : *NUMERIC

Description . . . : Sales Detail

Record Name . . . : SALESREC Only for XML Multi Record Processing
  It belongs to record: (Optional - Maximum five nesting level)

F3=Exit                                                    F23=Delete
```

As we are going to have several records, we have to associate a name to each record.

In our case, we give the name SALESREC to the previously created record.



## Select the fields to retrieve (Date)

```
SpoolFactory.com           Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 3

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated
Apply to Positions : 3 (From) Until : 10      SALESREC

Description . . . . : Date

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field
Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

And next step is to associate SALESREC record to all the previously created fields to retrieve.

In this example, we perform this action to the field Date but we have to do the same for the rest of fields.



## New identificaton of records to process

```
SpoolFactory.com           Spool Manager
  Sppafacr10              Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 9

Action . . . . . : 10 Tag <record>
Active . . . . . : Y (Y/N) Order # :

Initial Position . : 3 Final Position: 15
Text to Localize . : Customer Name

Description . . . . : Customer

Record Name . . . . : CUSTOMREC Only for XML Multi Record Processing
It belongs to record: (Optional - Maximum five nesting level)
```

F3=Exit

F23=Delete

Now we are going to define a new record for Customer and we give the name CUSTOMREC

This is the part of the spool we want to process:

```
*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...8
Customer Name: Peter Wilson Jackson
```



## New field to retrieve

```
SpoolFactory.com          Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 83 XMLFORMAT
Rules Number . . . . : 10

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated
Apply to Positions : 20 (From) Until : 50      CUSTOMREC

Description . . . . : Name

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field
Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

And next step is to define the field (Name) to retrieve, associating this field to the new record CUSTOMREC



## XLM Final Result

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<document title="Sales Report">
  <Customer>
    <Name>Peter Wilson Jackson      </Name>
  </Customer>
  <SalesDetail>
    <Date>02/02/09</Date>
    <Reference>2112-12234-112</Reference>
    <Description>Software Nbr 1  </Description>
    <Amount>    2</Amount>
    <UnitPrice>    1,000.00</UnitPrice>
    <TotalPrice>    2,000.00</TotalPrice>
  </SalesDetail>
  <SalesDetail>
    <Date>02/12/09</Date>
    <Reference>4232-14783-143</Reference>
    <Description>Software Nbr 2  </Description>
    <Amount>    1</Amount>
    <UnitPrice>    500.00</UnitPrice>
    <TotalPrice>    500.00</TotalPrice>
  </SalesDetail>
  .
  .
  .
  .
</document>
```

And this is the result obtained with the new rules



## Sample Conversions

XML with Nested Levels



## New identificaton of records to process

```
SpoolFactory.com           Spool Manager
  Sppafacr10              Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT3
Rules Number . . . . : 11

Action . . . . . : 10 Tag <record>
Active . . . . . : Y (Y/N) Order # : 25

Initial Position . : 63 Final Position: 64
Text to Localize . : *NUMERIC

Description . . . . : Date

Record Name . . . . : DATEREC      Only for XML Multi Record Processing
  It belongs to record: SALESREC    (Optional - Maximum five nesting level)

      Is the content of DATEREC      in the same line that SALESREC ? Y
F3=Exit                                     F23=Delete
```

The obtained XML result could not solve our requirements at the case we need to organize the information in levels. When there are nested levels, for each lower level (record) we have to specify to which level (record) belongs. And we are requested to indicate if the data to retrieve are in the same line that the record to which belongs.

At this case we are going to create the record Date to group the fields Day, Month and Year.



## New field to retrieve

```
SpoolFactory.com          Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT
Rules Number . . . . : 12

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 3 (From) Until : 4          DATEREC

Description . . . . : Day

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12          Color of text          (F4=Select) Black (Default)
Bold . . : N Y/N          Italic : N Y/N          Underline: N Y/N          Alignment: C C/L/R
Force to Alphabetic N Y/N          Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

This field is to define the field Day inside of DATEREC record.



## New field to retrieve

```
SpoolFactory.com           Spool Manager
  Sppafacr11              Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT
Rules Number . . . . : 13

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 6 (From) Until : 7          DATEREC

Description . . . . : Month

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12          Color of text          (F4=Select) Black (Default)
Bold . . : N Y/N          Italic : N Y/N          Underline: N Y/N          Alignment: C C/L/R
Force to Alphabetic N Y/N          Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006) F23=Delete
```

This field is to define the field Month inside of DATEREC record.



## New field to retrieve

```
SpoolFactory.com          Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT
Rules Number . . . . : 14

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                    Tag Record Associated

Apply to Positions : 9 (From) Until : 10      DATEREC

Description . . . . : Year

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field

Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

This field is to define the field Year inside of DATEREC record.



## New identificaton of records to process

```
SpoolFactory.com           Spool Manager
  Sppafacr10              Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT
Rules Number . . . . : 11

Action . . . . . : 10 Tag <record>
Active . . . . . : Y (Y/N) Order # :

Initial Position . : 63 Final Position: 64
Text to Localize . : *NUMERIC

Description . . . . : Rest Of Data

Record Name . . . . : RESTREC Only for XML Multi Record Processing
  It belongs to record: SALESREC (Optional - Maximum five nesting level)

      Is the content of DATEREC in the same line that SALESREC ? Y
F3=Exit                                                    F23=Delete
```

We create the new record RESTREC, belonging to SALESREC, to group the rest of the fields.



## Rest of fields to retrieve – Assign to the new record type

```
SpoolFactory.com           Spool Manager
  Sppafacr11             Rules Groups Maintenance

Rules Group . . . . : 85 XMLFORMAT
Rules Number . . . . : 4

Action . . . . . : 11 Tag <data>
Active . . . . . : Y (Y/N) Order # :           Only for XML Multi Record
                                                Tag Record Associated
Apply to Positions : 13 (From) Until : 26      RESTREC

Description . . . . : Reference

                                Only for Excel
                                Width of Column . . :
Empty columns previous to this field . : Width of empty columns . . . . :
                                Format of Header Field
Size of Font . . . . 12      Color of text      (F4=Select) Black (Default)
Bold . . : N Y/N      Italic : N Y/N      Underline: N Y/N      Alignment: C C/L/R
Force to Alphabetic N Y/N      Apply Right to Left (Hebrew/Arabic): N Y/N

F3=Exit  F10=View SplF QPRINT 007689/SPLFACDEV/QPADEV000B (0006)      F23=Delete
```

Now we associate the rest of the fields to the new record RESTREC.

In this screen as example we associate the field Reference, and we have to do the same with the rest of fields.



## XLM Final Result

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<document title="Sales Report">
  <Customer>
    <Name>Peter Wilson Jackson      </Name>
  </Customer>
  <SalesDetail>
    <Date>
      <Day>02</Day>
      <Month>02</Month>
      <Year>09</Year>
    </Date>
    <RestOfData>
      <Reference>2112-12234-112</Reference>
      <Description>Software Nbr 1 </Description>
      <Amount>      2</Amount>
      <UnitPrice>    1,000.00</UnitPrice>
      <TotalPrice>   2,000.00</TotalPrice>
    </RestOfData>
  </SalesDetail>
  .
  .
  .
  .
</document>
```

And this is the XML result organized with nested levels



# References

Company	Country
JVC USA	United States
Acum	Israel
Instec Software Solutions Inc.	Canada
Grupo Andreani	Argentina
Kuhn Holding	The Netherlands
Factory 2-U	United States
Conte of Florence	Italy
Golden West	United Kingdom
Globalsoft	Turkey
Jan Dupont	Belgium



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