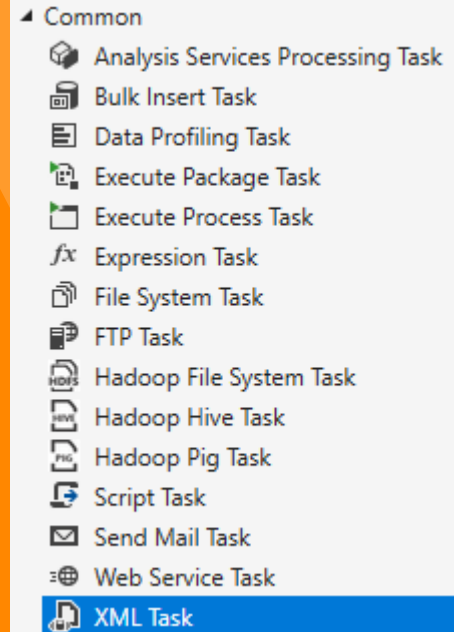


# UTILIZADO XML TASK PARTE 1

The background of the slide features a dark, moody photograph of a workspace. A laptop is partially visible in the upper left, its keyboard and screen area dimly lit. In the foreground, a black pen with the word 'PRECISE' and a logo is resting on a white, lined notebook. The notebook is placed on a dark wooden surface. The entire image is overlaid with large, semi-transparent geometric shapes: a dark grey triangle on the left and a bright orange triangle on the right, which meet at a diagonal line. A solid white horizontal bar is positioned at the bottom of the frame.

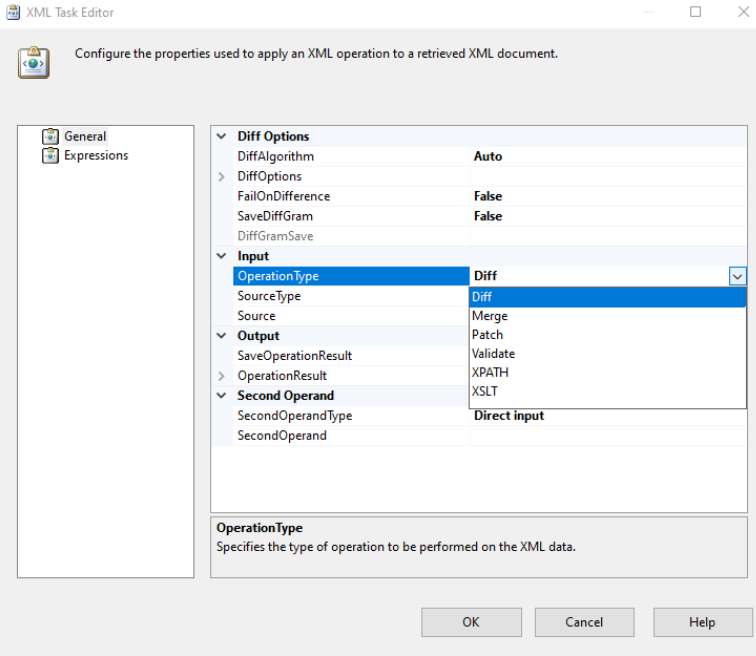
# XML TASK

Utilizamos XML Task para validar, comparar los documentos XML, aplicar diversas transformaciones. Utiliza transformaciones de lenguaje de hoja de estilo extensible (XSLT) para aplicar la transformación en los datos XML. También podemos fusionar documentos XML de varias fuentes y crear un documento XML completo.



# TIPO DE OPERACION

TIPO DE OPERACIÓN	DEFINICION
<b>Diff</b>	Podemos comparar dos documentos XML utilizando la operación diff. Utiliza el primer XML como fuente XML y lo compara con el siguiente XML especificado. En la salida, obtenemos un documento XML.
<b>Merge</b>	A veces necesitamos fusionar dos copias de documentos XML en un solo documento. Similar a la operación diff, utiliza el primer XML como documento base. Fusiona el segundo documento XML con el XML base.
<b>Patch</b>	Podemos usar el método Patch para crear un nuevo documento XML que incluya la salida del documento XML.



The screenshot shows the 'XML Task Editor' dialog box. The title bar reads 'XML Task Editor'. Below the title bar is a subtitle: 'Configure the properties used to apply an XML operation to a retrieved XML document.' The dialog is divided into two main sections: 'General' and 'Expressions'. The 'General' section is active and contains a tree view on the left with 'Diff Options', 'Input', 'Output', and 'Second Operand' expanded. The 'Input' section is currently selected, showing a list of operation types: 'Diff', 'Merge', 'Patch', 'Validate', 'XPath', and 'XSLT'. The 'Diff' option is selected. The 'Output' section shows 'SaveOperationResult' set to 'Validate'. The 'Second Operand' section shows 'SecondOperandType' set to 'Direct input'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Help'.

XML Task Editor	
Configure the properties used to apply an XML operation to a retrieved XML document.	
General	Expressions
Diff Options	DiffAlgorithm: Auto
DiffOptions	FailOnDifference: False
SaveDiffGram	False
DiffGramSave	
Input	OperationType: Diff
SourceType	Diff
Source	Merge
Output	SaveOperationResult: Validate
OperationResult	XPATH
Second Operand	XSLT
SecondOperandType	Direct input
SecondOperand	
OperationType Specifies the type of operation to be performed on the XML data.	
OK Cancel Help	

# EJERCICIO 1 – Diff

Se tiene dos documentos XML, mediante el “Tipo de Operación – DIFF” realizar la comparación de los 2 documentos XML y obtener como salida la diferencia de los registros faltantes.

```
<?xml version="1.0"?>
<catalog>
  <book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <genre>Computer</genre>
    <price>44.95</price>
    <publish_date>2000-10-01</publish_date>
    <description>An in-depth look at creating applications
    with XML.</description>
  </book>
  <book id="bk102">
    <author>Ralls, Kim</author>
    <title>Midnight Rain</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-12-16</publish_date>
    <description>A former architect battles corporate zombies,
    an evil sorceress, and her own childhood to become queen
    of the world.</description>
  </book>
  <book id="bk103">
    <author>Corets, Eva</author>
    <title>Maeve Ascendant</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-11-17</publish_date>
    <description>After the collapse of a nanotechnology
    society in England, the young survivors lay the
    foundation for a new society.</description>
  </book>
</catalog>
```

# EJERCICIO 2 – Merge

Se tiene dos documentos XML, mediante el “Tipo de Operación – MERGE” realizar la unión de los registros de los 2 archivos XML y obtener como salida un nuevo archivo con todos los registros de cada archivo XML.

```
<?xml version="1.0"?>
<catalog>
  <book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <genre>Computer</genre>
    <price>44.95</price>
    <publish_date>2000-10-01</publish_date>
    <description>An in-depth look at creating applications
    with XML.</description>
  </book>
  <book id="bk102">
    <author>Ralls, Kim</author>
    <title>Midnight Rain</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-12-16</publish_date>
    <description>A former architect battles corporate zombies,
    an evil sorceress, and her own childhood to become queen
    of the world.</description>
  </book>
  <book id="bk103">
    <author>Corets, Eva</author>
    <title>Maeve Ascendant</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-11-17</publish_date>
    <description>After the collapse of a nanotechnology
    society in England, the young survivors lay the
    foundation for a new society.</description>
  </book>
</catalog>
```

# EJERCICIO 3 - Patch

En el ejercicio 1 se obtuvo los registros diferentes en XML, lo que se requiere es que mediante el “Tipo de Operación – PATCH” se realice la unión del Resultado del archivo 1 con el archivo base del ejercicio 1.

```
<?xml version="1.0"?>
<catalog>
  <book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <genre>Computer</genre>
    <price>44.95</price>
    <publish_date>2000-10-01</publish_date>
    <description>An in-depth look at creating applications
      with XML.</description>
  </book>
  <book id="bk102">
    <author>Ralls, Kim</author>
    <title>Midnight Rain</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-12-16</publish_date>
    <description>A former architect battles corporate zombies,
      an evil sorceress, and her own childhood to become queen
      of the world.</description>
  </book>
  <book id="bk103">
    <author>Corets, Eva</author>
    <title>Maeve Ascendant</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-11-17</publish_date>
    <description>After the collapse of a nanotechnology
      society in England, the young survivors lay the
      foundation for a new society.</description>
  </book>
</catalog>
```