

Question

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Replace element value in %XML.XPATH.Document

Hi,

I have created a method than evaluates an XML expression using the EvaluateExpression method. I need to replace an element value by other string but I couldn't find the way of doing it.

To get that, first I have created the "%XML.XPATH.Document" object using an stream and then I have evaluated the XML expression with the "EvaluateExpression" method. Once I found the element I would like to replace, I got the value of the element using "do element.Read()" and "set cadena = element.Value" and then I realized some transformations like \$ZCVT. Finally, I tried to insert the new string in the element.value but the "set element.Value = nuevaResp" is not working.

This is the XML structure:

```
<SOAP-ENV:Envelope>
  <SOAP-ENV:Body>
    <ns1:getrequerimientoResponse>
      <return xsi:type="ns2:Map">
        <item>
          <key xsi:type="xsd:string">datos</key>
          <value xsi:type="ns2:Map">
            <item>
              <key xsi:type="xsd:string">comentariotramitador</key>
              <value xsi:type="xsd:string">&lt;br&gt;&lt;p align="justify"&gt;some text:&lt;p&gt;</value>
            </item>
          </value>
        </item>
      </return>
    </ns1:getrequerimientoResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

This is part of my code:

```
Set tSC=##class(%XML.XPATH.Document).CreateFromStream(auxStream,.tDoc, , , , "SOAP-ENV
http://schemas.xmlsoap.org/soap/envelope/, ns1 https://pre.es/ws/catalog")
If $$$ISERR(tSC) {Do $System.OBJ.DisplayError(tSC) Quit}

Set tSC=tDoc.EvaluateExpression("/SOAP-ENV:Envelope/SOAP-
ENV:Body/ns1:getrequerimientoResponse/return" ,"item",.tRes)
If $$$ISERR(tSC) Quit

set contador = tRes.Count()
set element = tRes.GetAt(1)
```

```
if (contador>0){
  for index=1:1:tRes.Count() {
    set element = tRes.GetAt(index)
    set aux = element.Read()

    set auxVar = 0

    while(element.Read()){

      if ((element.Name = "key") && (element.NodeType = "element")){

        do element.Read()
          set resultado=element.Value

        set auxVar = 1
      }
    }
    if (auxVar = 1){
      if ((element.Name = "value") && (element.NodeType = "element")){
        do element.Read()
        set cabeceraCDATA = "[CDATA["
        set cierreCDATA = "]"

        set nuevaResp=cabeceraCDATA_element.Value_cierreCDATA
        set nuevaResp = $ZCVT(nuevaResp, "I", "UTF8")

        set element.Value = nuevaResp

        set auxVar = 0
      }
    }
  }
}
```

The problem is in the line "set element.Value = nuevaResp" where I can't find the way of replace the old data in the element.Value, with the new "nuevaResp" data.

Thank you so much for your help.

[#XML](#) [#Ensemble](#)

Product version: Ensemble 2017.1

Source URL: <https://community.intersystems.com/post/replace-element-value-xmlxpathdocument>