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How to apply DTL on XML String in Object Script

Requirement: Transform source XML message to target JSON.

step1: First create json equivalent xml from any online tool.

step2: use add in studio utility create persistent classes from json equivalent xml and compile it , now target persistent classes are ready

step3: Do the above step for source xml or xsd and generate persistent classes for source and compile it

step4: complete the DTL by selecting root node from source, target persistent classes and complete the mappings and compile it

step5: use the below code to apply Transformation on source XML string and create Target JSON

Assume you received xml string and stored in rsXML variable.

//to remove enter char , other formatting chars form string

```
set rsXML= $TR(rsXML,$c(13,10,9))
```

```
set reader=##class(%XML.Reader).%New()  
set status=reader.OpenString(rsXML)  
if $$$ISERR(status) {$$$TRACE("sc Error: "_status)}
```

```
// Here rootTagName ="ReportMsg" and equivalent Persistent class name is  
"org.prashanth.demo.source.ReportMsg"
```

```
do reader.Correlate("ReportMsg","org.prashanth.demo.source.ReportMsg")  
do reader.Next(.myobj,.status)  
quit:$$$ISERR(status) status
```

```
$$$LOGINFO("source xml Object: "_myobj)
```

```
//Here DTL name is "org.prashanth.demo.dtl.DemoDTL" and DTL result will be available in .pResDTLXml  
set tSC = ##class(org.prashanth.demo.dtl.DemoDTL).Transform(myobj,.pResDTLXml)
```

```
// To Create JSON Stream form DTL result
```

```
set tSC=##class(%ZEN.Auxiliary.jsonProvider).%WriteJSONStreamFromObject(.jsonMsg,  
pResDTLXml,,,1,"aeltw")
```

```
//to log JSON message from Stream  
$$$LOGINFO("JSON = " jsonMsg.Read())
```

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

