
Question

[Scott Roth](#) · Mar 23, 2021

Using ChildCount from EnsLib.HL7.Message to get repeatable fields

A while back I asked the developer community for a way to loop through repeatable HL7 segments and check them against a Data Lookup table within a Business Rule.

The example I got was the following...

```
ClassMethod GroupIDExists(pHL7Msg As EnsLib.HL7.Message, pSegment As %String, pField
As %String, pLookupTable As %String) As %Boolean
{
    #dim tSeg as EnsLib.HL7.Segment
    set tSegCount = pHL7Msg.SegCountGet()
    set i = 1
    Set tFound = 0
    //get new values
    set tval=""
    while ((i <= tSegCount) && (tval="")) {
        set tSeg = pHL7Msg.GetSegmentAt(i)
        if (tSeg.Name = pSegment) {
            set tID = tSeg.GetValueAt(pField)
            set tval= ..Lookup(pLookupTable, tID)
        }
        set i = i + 1
    }
    if (tval '= "")
    {
        Q 1
    }
    quit 0
}
```

While this works perfect when you have RGSgrp or a OBXgrp because it is using SegCountGet(), our team is looking to take that a bit further. What if we wanted to loop through OBR.4() and compare it to a Data Lookup table within a Business Rule.

- Could I go about doing this by using ChildCount() in EnsLib.HL7.Message?
- Or how would I go about getting the count of a Field within a segment to loop through?

Thanks

Scott

[#Business Rules](#) [#ObjectScript](#) [#Caché](#) [#HealthShare](#)

Product version: HealthShare 2018.1

\$ZV: Cache for UNIX (IBM AIX for System Power System-64) 2018.1.3 (Build 414U) Mon Oct 28 2019 11:24:02 EDT

Source URL: <https://community.intersystems.com/post/using-childcount-enslibhl7message-get-repeatable-fields>