

Question

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Time and space complexity for SDA parsing using object deserialization and xml xpath

InterSystems documentation says not to hold entire SDA as object in In-memory.

<http://localhost:57772/csp/documatic/%25CSP.Documatic.cls?LIBRARY=registry&CLASSNAME=HS.SDA3.Container&MEMBER=&CSPCHD=001000000000x1zyO3kkajy0iljpi2dxUJUnwFSYpz7jtbNV&CSPSHARE=1>

```
// Serialize Object to XML
```

```
Set object = ##class(User.NewClass1).%New()
s object.Property1="one"
s object.Property2="two"
s object.Property3="three"
s object.Property4="four"
Set w=##class(%XML.Writer).%New()
set w.Charset="UTF-8"
Set w.Indent=1
set status=w.OutputToString()
set status=w.StartDocument()
Set status=w.RootObject(object,"Vivek")
set status=w.EndDocument()
If $$$ISERR(status) Do $system.OBJ.DisplayError(status) Quit
set xmlstring = w.GetXMLString()
```

```
// Serialize XML to Object
```

```
Set obj = ##class(User.NewClass1).%New()
Set reader = ##class(%XML.Reader).%New()
Set status =reader.OpenString(xmlstring)
Do reader.CorrelateRoot("User.NewClass1")
Do reader.Next(.obj,.status)
Write "Property1 " _obj.Property1
```

[#Object Data Model](#) [#ObjectScript](#) [#Performance](#) [#XML](#) [#HealthShare](#)

Source

URL:<https://community.intersystems.com/post/time-and-space-complexity-sda-parsing-using-object-deserialization-and-xml-xpath>