

Question

[Con Skordis](#) · Aug 9, 2021

Dynamically create tables in ZEN PDF report

Dear Developers,

I have a complex ZEN PDF report that has multiple tables that essentially are the same but are populated by different global definitions. The code has hardcoded groups for these tables but I would like the number of tables to be variable as many as there are global levels for a particular report.

Is there any way that I could build a report from a variable source of data rather than hardcoding 10 or more exact sections like the code below ?

The code below is for table 2 in my report

```
<container ifexpression="%report.TestProfileFlag(2)=1">
<pagebreak ifexpression="%report.PageBeforeTestProfile(2)=1"></pagebreak>
<table orient="col" class="borderless" width="#($g(^||Page("TotalRowWidth")))#in' group="TestTable2">
<table orient="row" caption="#(..Header("TestProfile",2))#" style=
'(..Style("TestProfileHeader",2))#" width="#($g(^||Page("TotalRowWidth")))#in'>
<table orient="col" class="default" style=
'(..Style("TestProfileSubHeader",2))#" width="#($g(^||Page("TotalRowWidth")))#in' group="TestData">
<item field="TestColumn1" width="#(..TestColumnWidth(2,1))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra1" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,1))#/"></item>
<item field="TestColumn2" width="#(..TestColumnWidth(2,2))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra2" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,2))#/"></item>
<item field="TestColumn3" width="#(..TestColumnWidth(2,3))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra3" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,3))#/"></item>
<item field="TestColumn4" width="#(..TestColumnWidth(2,4))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra4" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,4))#/"></item>
<item field="TestColumn5" width="#(..TestColumnWidth(2,5))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra5" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,5))#/"></item>
<item field="TestColumn6" width="#(..TestColumnWidth(2,6))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra6" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,6))#/"></item>
<item field="TestColumn7" width="#(..TestColumnWidth(2,7))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra7" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,7))#/"></item>
<item field="TestColumn8" width="#(..TestColumnWidth(2,8))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra8" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,8))#/"></item>
<item field="TestColumn9" width="#(..TestColumnWidth(2,9))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra9" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,9))#/"></item>
<item field="TestColumn10" width="#(..TestColumnWidth(2,10))#" style=
'(..Style("TestProfileCell",2))#" stylecall="HighLight" styleparams="Zebra10" styleparamNames="Value"><
caption style="#(..Style("TestProfileCaption",2))#" value="#(..Caption("TestProfile",2,10))#/"></item>
<item field="TestColumn11" width="#(..TestColumnWidth(2,11))#" style=
```

```
'#(..Style("TestProfileCell",2))#' stylecall="HighLight" styleparams="Zebra11" styleparamNames="Value"><
caption style='#(..Style("TestProfileCaption",2))#' value='#(..Caption("TestProfile",2,11))#/'></item>
<item field="TestColumn12" width='#(..TestColumnWidth(2,12))#in' style=
'#(..Style("TestProfileCell",2))#' stylecall="HighLight" styleparams="Zebra12" styleparamNames="Value"><
caption style='#(..Style("TestProfileCaption",2))#' value='#(..Caption("TestProfile",2,12))#/'></item>
</table>
</table>
</table>
<container ifexpression="%report.TestProfileImage(2)=1">
<table orient="col" class="borderless" width='#($g(^||Page("TotalRowWidth")))#in' group="TestTable2">
<table orient="row" width='#($g(^||Page("TotalRowWidth")))#in'>
<table orient="col" class="default" width='#($g(^||Page("TotalRowWidth")))#in' group="TestData">
<block>
<img src='!Image' contentHeight='!ImageHeight' contentWidth='!ImageWidth' height='!ImageHeight' width=
'#(..TestColumnWidth(2,1))#in' style='#(..Style("TestImage"))#' includeColUnlessXPath=
'TestData[Image=""]'></img>
</block>
</table>
</table>
</table>
</table>
</container>
<pagebreak ifexpression="%report.PageAfterTestProfile(2)=1"></pagebreak>
</container>
```

[#Caché](#)

Product version: Caché 2018.1

Source URL: <https://community.intersystems.com/post/dynamically-create-tables-zen-pdf-report>