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Creating #AT Statements The Easy Way

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Writing templates can be tricky, especially when it comes to creating #AT statements that correspond to ABC virtual method embeds. Here's a template that makes that task easy (available for download at the end of the article). I based this code on something Lee White wrote for Clarion4 (used with permission - thanks, Lee!).

The template is in a TPW, so you'll need to add the statement #INCLUDE('EMBEDS.TPW') to an appropriate TPL file. Once you've done this, open any application, go to embed view, locate the embed you want to generate an #AT statement for, and choose the Embed_Info code template, as shown in Figure 1.
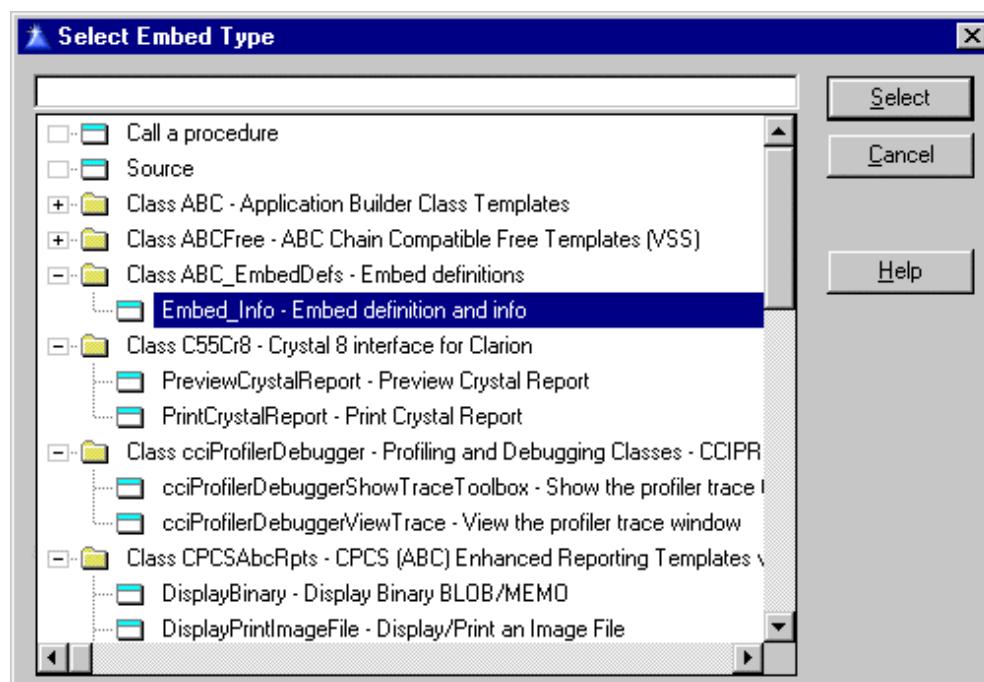
Figure 1. Selecting the Embed_Info code template.
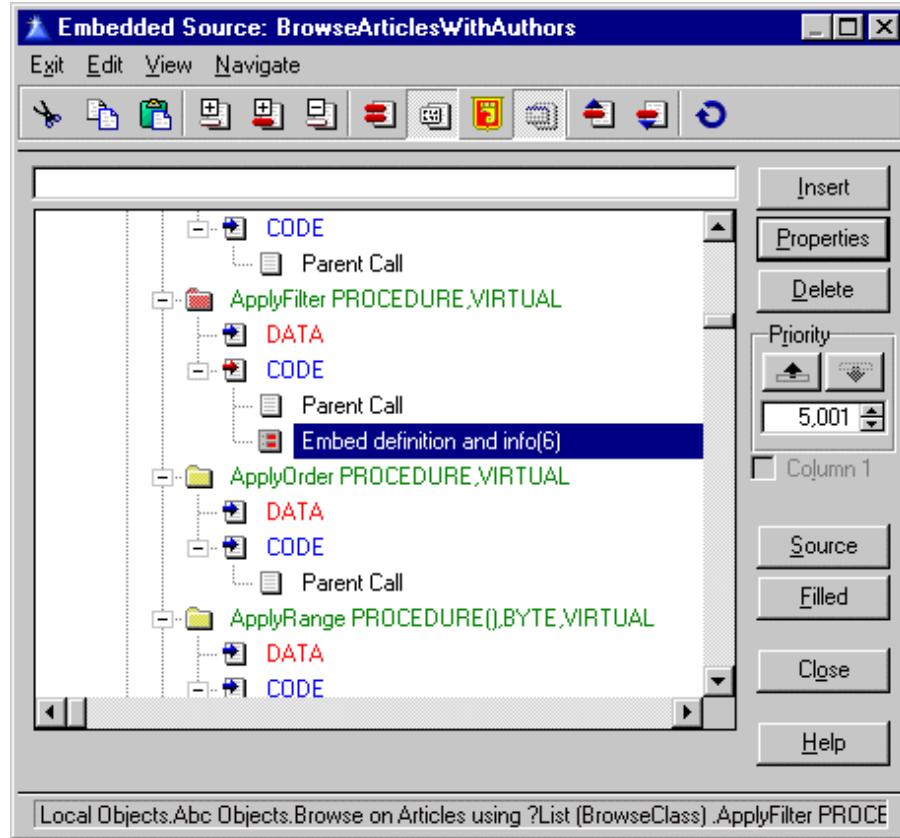
Figure 2. The Embed_Info code template in the embed point.

Once you've inserted the template, go to Source View (the easiest way is to click the Source button on the Embeds window). In the example shown in Figures 1 and 2, the template generates the following code (line break added):

```
!>> #AT(%BrowserMethodCodeSection,'1','ApplyFilter',↵
        '()'),PRIORITY( ???? )
!>> !! What follows is debugging info
!>> EmbedID.......... = %BrowserMethodCodeSection
!>> EmbedParameters... = 1, ApplyFilter, ()
!>> Description....... = Browser Method Code Section
!>> Process.......... = ProcessClass
!>> Object........... = BRW1
!>> TwoParams ........ = 2
!>> ThreeParams....... = 15
```

Just copy and paste the generated #AT statement for use in your own templates. The template source looks like this (line breaks added):

```
#!
#!TEMPLATE(ABC_EmbedDefs,'Embed definitions')↵
     ,FAMILY('ABC')
#!--------------------------------------------
#CODE(Embed_Info,'Embed definition and info')
#!--------------------------------------------
#DECLARE(%TwoParams,LONG)
```

```
#DECLARE(%ThirdParams,LONG)
#DECLARE(%ParamString,STRING)
#IF(%EmbedParameters)
#CLEAR(%TwoParams)
#SET(%TwoParams,INSTRING(',',%EmbedParameters,1,1))
#IF(%TwoParams)
#IF(SUB(%EmbedParameters,(%TwoParams+2),1) <> '(')
#SET(%ThirdParams,INSTRING(',',↵
     %EmbedParameters,1,%TwoParams+2))
#SET(%ParamString,'''' & SUB(%EmbedParameters,1,↵
     (%TwoParams-1)) & ''','''' & SUB(%EmbedParameters,↵
     (%TwoParams+2),((%ThirdParams) - (%TwoParams+2))) ↵
     & ''','''' & SUB(%EmbedParameters,(%ThirdParams+2)↵
     ,LEN(%EmbedParameters)) & '''')
#ELSE
#SET(%ParamString,'''' & SUB(%EmbedParameters,1,↵
     (%TwoParams-1)) & ''','''' & SUB(%EmbedParameters,↵
     (%TwoParams+2),LEN(%EmbedParameters)) & '''')
#END
!>> #AT(%EmbedID,%ParamString),PRIORITY( ???? )
#ELSE
!>> #AT(%EmbedID,'%EmbedParameters'),PRIORITY( ???? )
#ENDIF
#ELSE
!>> #AT(%EmbedID),PRIORITY( ???? )
#ENDIF
!>> !! What follows is debugging info
!>> EmbedID........... = %EmbedID
!>> EmbedParameters... = %EmbedParameters
!>> Description....... = %EmbedDescription
!>> Process........... = %ProcessType
!>> Object............ = %ThisObjectName
!>> TwoParams ........ = %TwoParams
!>> ThreeParams....... = %ThirdParams
```

You can also download the template [here](#).

Andrew Guidroz II, when he isn't handfeeding the tufted titmouse, writes software for all facets of the insurance industry. His famous Cajun cookouts have become a central feature of Clarion conferences throughout the U.S. Andrew's Cajun website is www.coonass.com.