

Re: templates, C++, and LNK2019

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vc/2004-11/0425.html>

From: Jeff F (*not_at_anywhere.com*)

Date: 11/17/04

Date: Wed, 17 Nov 2004 11:18:09 -0500

"Bo Persson" <bop@gmb.dk> wrote in message
news:%23C17y9LzEHA.3908@TK2MSFTNGP12.phx.gbl...

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>
> "Chris Burrger via .NET 247" <anonymous@dotnet247.com> skrev i
> meddelandet news:%23KcL3TizEHA.1412@tk2msftngp13.phx.gbl...
>> I've found some other posts that deal with this linker error, but none
>> of those solutions work for me. I just got VS.NET 2003 and I wanted
>> to try it out with some basic algorithms. I am trying to make a singly
>> linked list, using templates.
>> I'll post my code and then the error message at the end.
>> //////////Node.h
>> #ifndef __CSL_NODE
>> #define __CSL_NODE
>> namespace CSL {
>> template<typename T> class Node {
>> public:
>> Node( T nm );
>> Node( T nm, Node* n );
>> ~Node();
>> public:
>> T name; Node* next;
>> };
>> }
>> #endif
>>
>> //////////Node.cpp
>> #include "Node.h"
>> namespace CSL {
>> template<typename T>
>> Node<T>::Node( T nm ) {
>> name = nm; next = 0;
>> }
>> template<typename T>
>> Node<T>::Node( T nm, Node* n ) {
>> name = nm; next = n;
>> }
```

```
> > template<typename T>  
> > Node<T>::~~Node() {  
> > }  
> > }  
>  
>  
> Separate compilation of template implementations are not supported by  
> the compiler.  
>  
> Even if it was, you should have indicated that by using "export  
> template" in the header file.  
>  
> As things are now, you just have to include the implementation in the  
> header file!
```

Or you can explicitly instantiate for each of the desired types in the .cpp file.

Jeff F