Subject: Tree container - compile error with Clang++
Posted by wimpie on Sun, 04 Oct 2020 19:21:10 GMT
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Hello,

Compiling package Bazaar/TreeTest is good with gcc, but clang++ gives the following error:

```
In file included from /home/tommie/Programming/ultimatepp/bazaar/TreeTest/main.cpp:1:
In file included from /home/tommie/Programming/ultimatepp/bazaar/TreeTest/TreeTest.h:11:
/home/tommie/Programming/ultimatepp/bazaar/Tree/Tree.h:112:11: error: dependent using
declaration resolved to type without 'typename'
        using B::ConstIterator;
              ^
/home/tommie/Programming/ultimatepp/bazaar/Tree/Tree.h:152:11: note: in instantiation of
template class 'Upp::Tree<Upp::Node<Upp::One<Element> > >' requested here
        : public Tree<Node<T> >
              ^
/home/tommie/Programming/ultimatepp/bazaar/TreeTest/TreeTest.h:31:22: note: in instantiation
of template class 'Upp::Node<Upp::One<Element> >' requested here
        Node<One<Element> > root;
                     ^
/home/tommie/Programming/ultimatepp/uppsrc/Core/Vcont.h:449:8: note: target of using
declaration
        class ConstIterator {
            ^
```

Same for "using B::Iterator;"

My knowledge of C++ is not that great so I am not really understanding what is the problem at hand.
From searching I get the idea it might not strictly correct C++ syntax although GCC accepts it.
Suggestions are that "using B::B" should be correct and when I change the 2 lines to that the test package actually happily compiles.

But I'm not very confident this is the solution..

regards

edit: well, actually removing those lines seems o.k. too...

Subject: Re: Tree container - compile error with Clang++
Posted by Klugier on Sun, 04 Oct 2020 19:49:29 GMT

Hello Wimpie,

Should be fixed on trunk by removing unnecessary using statements. Thanks! I also notified maintainer of this package, so maybe he will response. Right now we would like to make sure that the compilation of bazaar is stable.

For me the whole Test just displayed empty window, so the problem here might be bigger and require more time. If you have any suggestion please let me know.

Klugier