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...