Subject: AsyncWork<Vector<T>> fails due to lack of copy-constructor Posted by piotr5 on Mon, 06 Jan 2020 14:38:13 GMT

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I created AsyncWork<Vector<char>> and when I make use of the Get() member compiler complains Vector only has move-constructor. is this a bug? CoWork.h reads:

```
template <class Ret>
class AsyncWork {
template <class Ret2>
struct Imp {
 CoWork co;
 Ret2 ret:
                                    { return ret; }
 const Ret2& Get()
};
Ret
         Get()
                                  { ASSERT(imp); imp->co.Finish(); return imp->Get(); }
it's strange there is a 2nd template parameter for this class inside of AsyncWork.
sounds more like it was meant to be:
 Ret ret:
                             { return ret; }
 Ret2 Get()
and then use "Imp<const Ret&> imp;" in case Ret has copy-constructor?
or maybe rewrite to use if constexpr?
is there a speed-gain from using the copy-constructor?
I doubt there is one for Vector as return-type...
or did I make a mistake and AsyncWork is not for this kind of usage?
```

should I rewrite my code to use Thread?