
Subject: Re: Moveable classes with virtual functions/Documentation error

Posted by [mirek](#) on Mon, 17 Apr 2006 17:03:33 GMT

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hans wrote on Sun, 16 April 2006 17:05Hi,
documentation states in srcdoc/Core/Moveable:

All of the following requirements should be fulfilled for moveable types:

- It does not have any virtual method nor virtual base class.

This is imho incorrect, as U++ itself uses moveable classes with virtual methods, e.g. class Value.

Don't know what's the case with virtual base classes

First of all, no, Value does not have virtual methods (it stores a pointer to heap object with virtual methods, but that is something else).

Second, technically, it is true that there are no technical reasons for "normal" C++ implementation why polymorphic classes should not be moveable (while virtual base classes are not quite often AFAIK).

However, whole Moveable concept is walking on the thin ice. In practice, you really need just concrete types to be moveable; therefore virtual methods are not required. By excluding them, we might be making that ice little bit less thin, making "moveable" types closer to PODs, with no real disadvantage.

Mirek
