U++ - Bug #2042
Core: Fix build for uppsrc/Core/Cpu.cpp on FreeBSD (after 14570 revision)

06/13/2020 02:48 AM - Sender Ghost

Status:	Approved		**Start date:**	06/13/2020
Priority:	Normal		**Due date:**	
Assignee:	Miroslav Fidler		**% Done:**	0%
Category:	Core		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

There is following compiler error on FreeBSD after 14570 revision:

> <..>/uppsrc/Core/Cpu.cpp:182:20: error: variable has incomplete type 'struct vmtotal'
>   struct vmtotal vmt;
>   ^
> <..>/uppsrc/Core/Cpu.cpp:182:12: note: forward declaration of 'vmtotal'
>   struct vmtotal vmt;
>   ^
> 1 error generated.

I found, that "struct vmtotal" defined in sys/vmmeter.h file.

Patch attached.

History

#1 - 06/13/2020 10:22 AM - Sender Ghost

- File deleted (uppsrc_Core_r14581.diff)

#2 - 06/13/2020 10:23 AM - Sender Ghost

- File uppsrc_Core_r14583.diff added

- Assignee set to Miroslav Fidler

Updated after 14583 revision changes.

#3 - 06/15/2020 01:59 PM - Miroslav Fidler

Thanks, applied. Could you please also verify that GetSystemMemoryStatus works in FreeBSD? "available" is not really precisely defined, but it should correspond to memory load somehow...

Mirek

#4 - 06/15/2020 01:59 PM - Miroslav Fidler

- Assignee changed from Miroslav Fidler to Sender Ghost

#5 - 06/15/2020 07:56 PM - Sender Ghost

- Assignee changed from Sender Ghost to Miroslav Fidler

Thanks for commit.

Miroslav Fidler wrote:

> *Could you please also verify that GetSystemMemoryStatus works in FreeBSD? "available" is not really precisly defined, but it should correspond to memory load somehow...*

The [upptst/MemoryStatus](#) returned quite large values, compared to total/available memory. Posted some results on U++ slack.

#6 - 06/15/2020 09:16 PM - Sender Ghost

- Status changed from Patch ready to Approved

Approved, because build issue was fixed.

#7 - 06/16/2020 01:01 PM - Miroslav Fidler

- Status changed from Approved to In Progress

Not approved, because it does not work :) Still a problem to solve.

#8 - 06/22/2020 02:05 AM - Sender Ghost

- File uppsrc_Core_r14616.diff added

Attached new patch.

Based on some [answer](#) from [How to get available memory C++/g++](#) topic on [Stack Overflow](#) site. Overall, this was because of used types.

#9 - 06/22/2020 08:38 AM - Miroslav Fidler

- Status changed from In Progress to Approved

Thank you!

Files

uppsrc_Core_r14583.diff	272 Bytes	06/13/2020	Sender Ghost
uppsrc_Core_r14616.diff	747 Bytes	06/22/2020	Sender Ghost