Subject: Re: theide Compilation Error - UPP ver 18167
Posted by deep on Sun, 14 Dec 2025 05:30:42 GMT
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Hi Mirek,

I could not chack this for couple of weeks.

I downloaded version 18235.

I am getting following errors

<pre>In file included from ./uppsrc/Core/Core.h:313,
                 from ./uppsrc/Esc/Esc.h:4,
                 from ./uppsrc/ide/Core/Core.h:4,
                 from ./uppsrc/ide/Builders/Builders.h:4,
                 from ./uppsrc/umk/umake.h:4,
                 from ./uppsrc/umk/Export.cpp:1:
./uppsrc/Core/SIMD_NEON.h: In function 'bool Upp::AllTrue(i16x8)':
./uppsrc/Core/SIMD_NEON.h:135:71: note: use '-flax-vector-conversions' to permit conversions between vectors with differing element types or numbers of subparts
  135 | force_inline bool   AllTrue(i16x8 a)   { return cmask16__(a.data) == cmask_all__; }
      | ~~~~~~~~~^~~~~~~~
./uppsrc/Core/SIMD_NEON.h:135:74: error: cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
  135 | force_inline bool   AllTrue(i16x8 a)   { return cmask16__(a.data) == cmask_all__; }
      | ~~^~~~
      | |
      | Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note: initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
    6 | uint64 cmask16__(uint16x8_t mask) {
      | ~~~~~~~~~~~~^~~~
./uppsrc/Core/SIMD_NEON.h: In function 'bool Upp::AnyTrue(i16x8)':
./uppsrc/Core/SIMD_NEON.h:136:74: error: cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
  136 | force_inline bool   AnyTrue(i16x8 a)   { return cmask16__(a.data); }
      | ~~^~~~
      | |

Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note: initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
6 | uint64 cmask16__(uint16x8_t mask) {
~~~~~~~~~~~^~~~
./uppsrc/Core/SIMD_NEON.h: In function 'int Upp::CountTrue(i16x8)':
./uppsrc/Core/SIMD_NEON.h:137:86: error: cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
137 | force_inline int CountTrue(i16x8 a) { return CountBits64(cmask16__(a.data)) >> 3; }
~~^~~~
|
Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note: initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
6 | uint64 cmask16__(uint16x8_t mask) {
~~~~~~~~~~~^~~~
./uppsrc/Core/SIMD_NEON.h: In function 'int Upp::FirstTrue(i16x8)':
./uppsrc/Core/SIMD_NEON.h:138:98: error: cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
138 | force_inline int FirstTrue(i16x8 a) { return CountTrailingZeroBits64(cmask16__(a.data)) >> 3; }
~~^~~~
|
Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note: initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
6 | uint64 cmask16__(uint16x8_t mask) {
~~~~~~~~~~~^~~~
./uppsrc/Core/SIMD_NEON.h: In function 'int Upp::FirstFalse(i16x8)':
./uppsrc/Core/SIMD_NEON.h:139:99: error: cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
139 | force_inline int FirstFalse(i16x8 a) { return CountTrailingZeroBits64(~cmask16__(a.data)) >> 3; }

<pre>
    | ~~^~~~
    | |
    | Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note:
initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
   6 | uint64 cmask16__(uint16x8_t mask) {
     | ~~~~~~~~~~~~^~~~
./uppsrc/Core/SIMD_NEON.h: In function 'bool Upp::IsTrue(i16x8, int)':
./uppsrc/Core/SIMD_NEON.h:140:74: error:
cannot convert 'Upp::int16x8_t' to 'Upp::uint16x8_t'
  140 | force_inline bool   IsTrue(i16x8 a, int i)   { return cmask16__(a.data) & ((uint64)1 << (i << 3)); }
      | ~~^~~~
      | |
      | Upp::int16x8_t
./uppsrc/Core/SIMD_NEON.h:6:29: note:
initializing argument 1 of 'Upp::uint64 Upp::cmask16__(uint16x8_t)'
   6 | uint64 cmask16__(uint16x8_t mask) {
     | ~~~~~~~~~~~~^~~~
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