Subject: Re: Make THISFN simpler and more powerful
Posted by Didier on Tue, 08 Oct 2024 17:25:33 GMT

Hello Lance,

What compilers do with bit field is not covered by a standard and is implementation defined... so they do just about whatever they want.
BUT, something important is missing in you're code ! If you really want everything to be side by side, bit wise, you have to specify PACKED option on you're structs
search the web : __attribute__((packed, aligned(X))) or __PACKED__
This will force the compiler to 'pack' all the bits together not waisting anything : so you will have a stable size.

Note : positionning of the inside the struct is implementation defined ... so some compilers put them in on order, and others the other way around ;)
==> you're code won't be very portable