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Function

BNNSGraphCompileOptionsSetMessageLogCallback(_:_:_:)

Specifies a customized callback function that reports compile-time messages.

iOS 18.0+ | iPadOS 18.0+ | Mac Catalyst 18.0+ | macOS 15.0+ | tvOS 18.0+ | visionOS 2.0+ | watchOS 11.0+

```
func BNNSGraphCompileOptionsSetMessageLogCallback(  
    _ options: bnns_graph_compile_options_t,  
    _ log_callback: bnns_graph_compile_message_fn_t,  
    _ additional_logging_arguments: UnsafeMutablePointer<bnns_user_message_data  
_t>?  
)
```

Parameters

options

The compilation options object.

log_callback

The message-logging callback function.

additional_logging_arguments

Additional data for the message-logging functions that BNNS passes unaltered to the callback function.

Discussion

If you don't specify this callback, default callback functions log messages to `os_log`.

The following code adds a custom graph compile message callback function that prints `BNNSGraphMessageLevelInfo` level messages to the console:

```
let options = BNNSGraphCompileOptionsMakeDefault()
defer {
    BNNSGraphCompileOptionsDestroy(options)
}

BNNSGraphCompileOptionsSetMessageLogMask(options, BNNSGraphMessageLevelInfo(rawValue))
BNNSGraphCompileOptionsSetMessageLogCallback(options, messageLogCallback, nil)

func messageLogCallback(msg_level: BNNSGraphMessageLevel,
                       error_msg: UnsafePointer<CChar>,
                       source_location: UnsafePointer<CChar>?,
                       user_message_data_t:UnsafeMutablePointer<user_message_data_t>)
{
    print(NSString(cString: error_msg, encoding: NSUTF8StringEncoding) ?? "")
    if let source_location = source_location {
        print(NSString(cString: source_location, encoding: NSUTF8StringEncoding) ?? "")
    }
}
```

See Also

Specifying a graph's compile-time message callback

```
func BNNSGraphCompileOptionsSetMessageLogMask(bnns_graph_compile_options_t, UInt32)
```

Sets the mask for compile-time messages.

```
func BNNSGraphContextSetMessageLogMask(bnns_graph_context_t, UInt32) -> Int32
```

Sets mask for log messages that are logged (either via `os_log` or the user specified callback)

```
struct BNNSGraphMessageLevel
```

Constants that specify the mask for compile-time messages.

```
typealias bnns_graph_compile_message_fn_t
```

The graph compile-message logging callback function.

```
struct bnns_user_message_data_t
```

Additional user-defined logging argument for message-logging callbacks.