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Function

BNNSGraphCompileOptionsSetTargetSingleThread(_:_:)

Sets the option for the compiled graph to execute on a single thread.

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

```
func BNNSGraphCompileOptionsSetTargetSingleThread(
    _ options: bnns_graph_compile_options_t,
    _ value: Bool
)
```

Parameters

options

The compilation options object.

value

If `true`, the options specify single-threaded execution; otherwise, the options specify multi-threaded execution.

Discussion

The default option is execution on multiple threads.

See Also

Specifying and querying compilation options

```
struct bnns_graph_compile_options_t
```

The compilation options that BNNS uses when compiling a source mlmodelc file to a graph object.

```
func BNNSGraphCompileOptionsMakeDefault() -> bnns_graph_compile_options_t
```

Returns an allocated compilation options object with default values.

```
func BNNSGraphCompileOptionsDestroy(bnns_graph_compile_options_t)
```

Destroys the specified compilation options object.

```
func BNNSGraphCompileOptionsSetOutputPath(bnns_graph_compile_options_t, UnsafePointer<CChar>?)
```

Sets the option for graph compilation to generate the graph object directly to the specified file.

```
func BNNSGraphCompileOptionsGetOutputPath(bnns_graph_compile_options_t) -> UnsafePointer<CChar>?
```

Returns the option for the compiled graph's output path.

```
func BNNSGraphCompileOptionsSetOutputFD(bnns_graph_compile_options_t, Int32)
```

Sets the option for graph compilation to generate the graph object directly to the specified file descriptor.

```
func BNNSGraphCompileOptionsGetOutputFD(bnns_graph_compile_options_t) -> Int32
```

Returns the option for the compiled graph's output file descriptor.

```
func BNNSGraphCompileOptionsGetTargetSingleThread(bnns_graph_compile_options_t) -> Bool
```

Returns the option for the compiled graph to execute on a single thread.

```
func BNNSGraphCompileOptionsSetOptimizationPreference(bnns_graph_compile_options_t, BNNSGraphOptimizationPreference)
```

Sets the option for the compiled graph to optimize for either size or performance.

```
func BNNSGraphCompileOptionsGetOptimizationPreference(bnns_graph_compile_options_t) -> BNNSGraphOptimizationPreference
```

Returns the option for the compiled graph to optimize for either size or performance.

```
struct BNNSGraphOptimizationPreference
```

Constants that describe the compilation optimization preference.

```
func BNNSGraphCompileOptionsSetGenerateDebugInfo(bnns_graph_compile_options_t, Bool)
```

Sets the option for the compiled graph to include debugging information.

```
func BNNSGraphCompileOptionsGetGenerateDebugInfo(bnns_graph_compile_options_t) -> Bool
```

Returns the option for the compiled graph to include debugging information.

```
var BNNSTargetSystemGeneric: BNNSTargetSystem
```