

AC784xx\_DFP OSIF

13.1.0

Generated by Doxygen 1.8.13

# Contents

<b>1</b>	<b>File Index</b>	<b>1</b>
1.1	File List	1
<b>2</b>	<b>File Documentation</b>	<b>2</b>
2.1	AC784xx_API_Reference_Manual_OSIF.pdf File Reference	2
2.2	Oslf.c File Reference	2
2.2.1	Detailed Description	3
2.2.2	Macro Definition Documentation	3
2.2.2.1	OSIF_SEC_TO_MS	3
2.2.2.2	OSIF_SEC_TO_US	3
2.2.2.3	OSIF_SYSTICK_INTERVAL_MS	3
2.2.3	Function Documentation	4
2.2.3.1	Oslf_Deinit()	4
2.2.3.2	Oslf_GetCoreId()	4
2.2.3.3	Oslf_GetCounter()	5
2.2.3.4	Oslf_GetElapsed()	5
2.2.3.5	Oslf_Init()	5
2.2.3.6	Oslf_InternalMicrosToTicks()	6
2.2.3.7	Oslf_MicrosToTicks()	6
2.2.3.8	Oslf_UDelay()	7
2.2.3.9	SysTick_DeInit()	7
2.2.3.10	SysTick_GetCurrTicks()	8
2.2.4	Variable Documentation	8
2.2.4.1	Oslf_CriticalNesting	8
2.2.4.2	Oslf_PriMaskValue	8

2.3	Oslf.h File Reference	8
2.3.1	Detailed Description	9
2.3.2	Macro Definition Documentation	9
2.3.2.1	OS_PLATFORM	9
2.3.2.2	OSIF_BAREMETAL	9
2.3.2.3	OSIF_OS	10
2.3.2.4	OSIF_SW_MAJOR_VERSION	10
2.3.2.5	OSIF_SW_MINOR_VERSION	10
2.3.2.6	OSIF_SW_PATCH_VERSION	10
2.3.3	Function Documentation	10
2.3.3.1	Oslf_Deinit()	10
2.3.3.2	Oslf_GetCoreId()	11
2.3.3.3	Oslf_Init()	11
2.4	Oslf_Critical.c File Reference	11
2.4.1	Detailed Description	12
2.4.2	Macro Definition Documentation	12
2.4.2.1	CRITICAL_ENTER	12
2.4.2.2	CRITICAL_EXIT	12
2.5	Oslf_Irq.h File Reference	12
2.5.1	Detailed Description	13
2.5.2	Macro Definition Documentation	13
2.5.2.1	ISR	13
2.5.2.2	OSIF_IRQ_SW_MAJOR_VERSION	13
2.5.2.3	OSIF_IRQ_SW_MINOR_VERSION	14
2.5.2.4	OSIF_IRQ_SW_PATCH_VERSION	14
2.5.3	Function Documentation	14
2.5.3.1	Oslf_ResumeAllInterrupts()	14
2.5.3.2	Oslf_SuspendAllInterrupts()	14
2.5.4	Variable Documentation	15
2.5.4.1	Oslf_CriticalNesting	15
2.5.4.2	Oslf_PriMaskValue	15
2.6	Oslf_Time.h File Reference	15
2.6.1	Detailed Description	15
2.6.2	Macro Definition Documentation	16
2.6.2.1	OSIF_TIME_SW_MAJOR_VERSION	16
2.6.2.2	OSIF_TIME_SW_MINOR_VERSION	16
2.6.2.3	OSIF_TIME_SW_PATCH_VERSION	16
2.6.3	Function Documentation	16
2.6.3.1	Oslf_GetCounter()	16
2.6.3.2	Oslf_GetElapsed()	16
2.6.3.3	Oslf_MicrosToTicks()	17
2.6.3.4	Oslf_UDelay()	17

# Chapter 1

## File Index

### 1.1 File List

Here is a list of all files with brief descriptions:

<a href="#">AC784xx_API_Reference_Manual_OSIF.pdf</a> . . . . .	2
<a href="#">Oslf.c</a> . . . . .	
This file provides extern Oslf API implement . . . . .	2
<a href="#">Oslf.h</a> . . . . .	
This file provides extern Oslf API . . . . .	8
<a href="#">Oslf_Critical.c</a> . . . . .	
This file provides default Oslf critial API implement . . . . .	11
<a href="#">Oslf_Irq.h</a> . . . . .	
This file provides extern Oslf Irq API . . . . .	12
<a href="#">Oslf_Time.h</a> . . . . .	
This file provides Oslf Time API . . . . .	15

## Chapter 2

# File Documentation

### 2.1 AC784xx\_API\_Reference\_Manual\_OSIF.pdf File Reference

### 2.2 Oslf.c File Reference

This file provides extern Oslf API implement.

```
#include "OsIf.h"
#include "OsIf_Irq.h"
#include "OsIf_Time.h"
#include "Ckgen_Hal.h"
```

#### Macros

- #define [OSIF\\_SYSTICK\\_INTERVAL\\_MS](#) (50U)  
*systick irq period*
- #define [OSIF\\_SEC\\_TO\\_US](#) (1000000U)  
*one second is 1000000 us*
- #define [OSIF\\_SEC\\_TO\\_MS](#) (1000U)  
*one second is 1000 ms*

#### Functions

- LOCAL\_INLINE void [SysTick\\_DeInit](#) (void)  
*Deinitialize SysTick.*
- LOCAL\_INLINE uint32 [SysTick\\_GetCurrTicks](#) (void)  
*Get systick current value.*
- LOCAL\_INLINE uint32 [Oslf\\_InternalMicrosToTicks](#) (uint32 Micros)  
*Converts a value from microsecond units to ticks units.*
- void [Oslf\\_Init](#) (void)  
*Initialize osif.*
- void [Oslf\\_Deinit](#) (void)  
*Deinitialize osif.*
- uint32 [Oslf\\_GetCounter](#) (void)  
*Get the current value of the counter.*

- uint32 [Oslf\\_GetElapsed](#) (uint32 \*const CurrentRef)  
*Get the delta time in ticks compared to a reference, and updates the reference.*
- void [Oslf\\_UDelay](#) (uint32 Micros)  
*Microseconds delay.*
- uint32 [Oslf\\_MicrosToTicks](#) (uint32 Micros)  
*Converts a value from microsecond units to ticks units.*
- uint16 [Oslf\\_GetCoreId](#) (void)  
*get current cpu id*

## Variables

- volatile uint32 [Oslf\\_PriMaskValue](#) = 0U  
*primask value*
- volatile sint32 [Oslf\\_CriticalNesting](#) = 0  
*nested level value*

### 2.2.1 Detailed Description

This file provides extern Oslf API implement.

### 2.2.2 Macro Definition Documentation

#### 2.2.2.1 OSIF\_SEC\_TO\_MS

```
#define OSIF_SEC_TO_MS (1000U)
```

one second is 1000 ms

Definition at line 60 of file Oslf.c.

#### 2.2.2.2 OSIF\_SEC\_TO\_US

```
#define OSIF_SEC_TO_US (1000000U)
```

one second is 1000000 us

Definition at line 57 of file Oslf.c.

#### 2.2.2.3 OSIF\_SYSTICK\_INTERVAL\_MS

```
#define OSIF_SYSTICK_INTERVAL_MS (50U)
```

systick irq period

Definition at line 54 of file Oslf.c.

## 2.2.3 Function Documentation

### 2.2.3.1 Oslf\_Deinit()

```
void OsIf_Deinit (
    void )
```

Deinitialize osif.

Deinitialize SysTick.

#### Note

Function ID: DES\_OSIF\_API\_209

#### Returns

void

Definition at line 198 of file Oslf.c.

### 2.2.3.2 Oslf\_GetCoreId()

```
uint16 OsIf_GetCoreId (
    void )
```

get current cpu id

#### Note

Function ID: DES\_OSIF\_API\_201

#### Returns

uint16: current cpu id

Definition at line 288 of file Oslf.c.

### 2.2.3.3 Oslf\_GetCounter()

```
uint32 OsIf_GetCounter (
    void )
```

Get the current value of the counter.

#### Note

Function ID: DES\_OSIF\_API\_207

#### Returns

The current value of the counter

Definition at line 212 of file Oslf.c.

### 2.2.3.4 Oslf\_GetElapsed()

```
uint32 OsIf_GetElapsed (
    uint32 *const CurrentRef )
```

Get the delta time in ticks compared to a reference, and updates the reference.

#### Note

Function ID: DES\_OSIF\_API\_206

#### Parameters

in, out	<i>CurrentRef</i>	reference counter value, updated to current counter value
---------	-------------------	---

#### Returns

The elapsed time

Definition at line 230 of file Oslf.c.

### 2.2.3.5 Oslf\_Init()

```
void OsIf_Init (
    void )
```

Initialize osif.

Initialize SysTick.



**Note**

Function ID: DES\_OSIF\_API\_208

**Returns**

void

Definition at line 172 of file Oslf.c.

**2.2.3.6 Oslf\_InternalMicrosToTicks()**

```
LOCAL_INLINE uint32 OsIf_InternalMicrosToTicks (
    uint32 Micros )
```

Converts a value from microsecond units to ticks units.

**Note**

Function ID: DES\_OSIF\_API\_211

**Parameters**

in	<i>Micros</i>	microseconds value (multiple of 1000 can be convert to tick)
----	---------------	--

**Returns**

uint32: ticks value

Definition at line 134 of file Oslf.c.

**2.2.3.7 Oslf\_MicrosToTicks()**

```
uint32 OsIf_MicrosToTicks (
    uint32 Micros )
```

Converts a value from microsecond units to ticks units.

**Note**

Function ID: DES\_OSIF\_API\_204

**Parameters**

in	<i>Micros</i>	microseconds value (multiple of 1000 can be convert to tick)
----	---------------	--

**Returns**

uint32: ticks value

Definition at line 270 of file Oslf.c.

**2.2.3.8 Oslf\_UDelay()**

```
void Oslf_UDelay (
    uint32 Micros )
```

Microseconds delay.

**Note**

Function ID: DES\_OSIF\_API\_205

**Parameters**

in	<i>Micros</i>	microseconds value
----	---------------	--------------------

**Returns**

void

Definition at line 249 of file Oslf.c.

**2.2.3.9 SysTick\_DeInit()**

```
LOCAL_INLINE void SysTick_DeInit (
    void )
```

Deinitialize SysTick.

**Note**

Function ID: DES\_OSIF\_API\_213

**Returns**

void

Definition at line 102 of file Oslf.c.

### 2.2.3.10 SysTick\_GetCurrTicks()

```
LOCAL_INLINE uint32 SysTick_GetCurrTicks (  
    void )
```

Get systick current value.

#### Note

Function ID: DES\_OSIF\_API\_214

#### Returns

Systick current value

Definition at line 123 of file Oslf.c.

## 2.2.4 Variable Documentation

### 2.2.4.1 Oslf\_CriticalNesting

```
volatile sint32 OsIf_CriticalNesting = 0
```

nested level value

Definition at line 75 of file Oslf.c.

### 2.2.4.2 Oslf\_PriMaskValue

```
volatile uint32 OsIf_PriMaskValue = 0U
```

primask value

Definition at line 73 of file Oslf.c.

## 2.3 Oslf.h File Reference

This file provides extern Oslf API.

```
#include "Std_Types.h"
```

## Macros

- `#define OSIF_SW_MAJOR_VERSION (1U)`
- `#define OSIF_SW_MINOR_VERSION (0U)`
- `#define OSIF_SW_PATCH_VERSION (0U)`
- `#define OSIF_BAREMETAL 0U`  
*osif used in baremetal*
- `#define OSIF_OS 1U`  
*osif used in os*
- `#define OS_PLATFORM OSIF_BAREMETAL`  
*os use osif need define OS\_PLATFORM equal to OSIF\_OS, default used to baremetal*

## Functions

- `void Oslf_Init (void)`  
*Initialize SysTick.*
- `void Oslf_Deinit (void)`  
*Deinitialize SysTick.*
- `uint16 Oslf_GetCoreId (void)`  
*get current cpu id*

### 2.3.1 Detailed Description

This file provides extern Oslf API.

### 2.3.2 Macro Definition Documentation

#### 2.3.2.1 OS\_PLATFORM

```
#define OS_PLATFORM OSIF_BAREMETAL
```

os use osif need define OS\_PLATFORM equal to OSIF\_OS, default used to baremetal

Definition at line 67 of file Oslf.h.

#### 2.3.2.2 OSIF\_BAREMETAL

```
#define OSIF_BAREMETAL 0U
```

osif used in baremetal

Definition at line 60 of file Oslf.h.

### 2.3.2.3 OSIF\_OS

```
#define OSIF_OS 1U
```

osif used in os

Definition at line 63 of file Oslf.h.

### 2.3.2.4 OSIF\_SW\_MAJOR\_VERSION

```
#define OSIF_SW_MAJOR_VERSION (1U)
```

Definition at line 50 of file Oslf.h.

### 2.3.2.5 OSIF\_SW\_MINOR\_VERSION

```
#define OSIF_SW_MINOR_VERSION (0U)
```

Definition at line 51 of file Oslf.h.

### 2.3.2.6 OSIF\_SW\_PATCH\_VERSION

```
#define OSIF_SW_PATCH_VERSION (0U)
```

Definition at line 52 of file Oslf.h.

## 2.3.3 Function Documentation

### 2.3.3.1 Oslf\_Deinit()

```
void OsIf_Deinit (  
    void )
```

Deinitialize SysTick.

#### Note

Function ID: DES\_OSIF\_API\_209

#### Returns

void

Deinitialize SysTick.

#### Note

Function ID: DES\_OSIF\_API\_209

#### Returns

void

Definition at line 198 of file Oslf.c.

### 2.3.3.2 Oslf\_GetCoreId()

```
uint16 OsIf_GetCoreId (  
    void )
```

get current cpu id

#### Note

Function ID: DES\_OSIF\_API\_201

#### Returns

uint16: current cpu id

Definition at line 288 of file Oslf.c.

### 2.3.3.3 Oslf\_Init()

```
void OsIf_Init (  
    void )
```

Initialize SysTick.

#### Note

Function ID: DES\_OSIF\_API\_208

#### Returns

void

Initialize SysTick.

#### Note

Function ID: DES\_OSIF\_API\_208

#### Returns

void

Definition at line 172 of file Oslf.c.

## 2.4 Oslf\_Critical.c File Reference

This file provides default Oslf critical API implement.

```
#include "OsIf_Critical.h"  
#include "OsIf_Irq.h"  
#include "Perf.h"
```

## Macros

- #define [CRITICAL\\_ENTER](#)(AREA\_ID)
- #define [CRITICAL\\_EXIT](#)(AREA\_ID)

### 2.4.1 Detailed Description

This file provides default Oslf critical API implement.

### 2.4.2 Macro Definition Documentation

#### 2.4.2.1 CRITICAL\_ENTER

```
#define CRITICAL_ENTER(  
    AREA_ID )
```

##### Value:

```
void __attribute__((weak)) SchM_Enter_##AREA_ID##_ProtectDataArea(const char ch[]) \  
{ \  
    OsIf_SuspendAllInterrupts(); \  
    Perf_Reset(); \  
    PERF_START(); \  
}
```

Definition at line 56 of file Oslf\_Critical.c.

#### 2.4.2.2 CRITICAL\_EXIT

```
#define CRITICAL_EXIT(  
    AREA_ID )
```

##### Value:

```
void __attribute__((weak)) SchM_Exit_##AREA_ID##_ProtectDataArea(const char ch[]) \  
{ \  
    PERF_END(ch); \  
    OsIf_ResumeAllInterrupts(); \  
}
```

Definition at line 62 of file Oslf\_Critical.c.

## 2.5 Oslf\_Irq.h File Reference

This file provides extern Oslf Irq API.

```
#include "Std_Types.h"  
#include "Device_Register.h"
```

## Macros

- `#define OSIF_IRQ_SW_MAJOR_VERSION (1U)`
- `#define OSIF_IRQ_SW_MINOR_VERSION (0U)`
- `#define OSIF_IRQ_SW_PATCH_VERSION (1U)`
- `#define ISR(IsrName) INTERRUPT_FUNC void IsrName(void)`  
*used to define irq handler*

## Functions

- `LOCAL_INLINE void Oslf_SuspendAllInterrupts (void)`  
*Resume all interrupts of system.*
- `LOCAL_INLINE void Oslf_ResumeAllInterrupts (void)`  
*Resume all interrupts of system.*

## Variables

- `volatile uint32 Oslf_PriMaskValue`  
*primask value*
- `volatile sint32 Oslf_CriticalNesting`  
*nested level value*

### 2.5.1 Detailed Description

This file provides extern Oslf Irq API.

### 2.5.2 Macro Definition Documentation

#### 2.5.2.1 ISR

```
#define ISR(  
    IsrName ) INTERRUPT_FUNC void IsrName(void)
```

used to define irq handler

Definition at line 61 of file Oslf\_Irq.h.

#### 2.5.2.2 OSIF\_IRQ\_SW\_MAJOR\_VERSION

```
#define OSIF_IRQ_SW_MAJOR_VERSION (1U)
```

Definition at line 51 of file Oslf\_Irq.h.



### 2.5.2.3 OSIF\_IRQ\_SW\_MINOR\_VERSION

```
#define OSIF_IRQ_SW_MINOR_VERSION (0U)
```

Definition at line 52 of file Oslf\_Irq.h.

### 2.5.2.4 OSIF\_IRQ\_SW\_PATCH\_VERSION

```
#define OSIF_IRQ_SW_PATCH_VERSION (1U)
```

Definition at line 53 of file Oslf\_Irq.h.

## 2.5.3 Function Documentation

### 2.5.3.1 Oslf\_ResumeAllInterrupts()

```
LOCAL_INLINE void OsIf_ResumeAllInterrupts (  
    void )
```

Resume all interrupts of system.

#### Note

Function ID: DES\_OSIF\_API\_202

#### Returns

void

Definition at line 96 of file Oslf\_Irq.h.

### 2.5.3.2 Oslf\_SuspendAllInterrupts()

```
LOCAL_INLINE void OsIf_SuspendAllInterrupts (  
    void )
```

Resume all interrupts of system.

#### Note

Function ID: DES\_OSIF\_API\_203

#### Returns

void

Definition at line 77 of file Oslf\_Irq.h.

## 2.5.4 Variable Documentation

### 2.5.4.1 Oslf\_CriticalNesting

```
volatile sint32 OsIf_CriticalNesting
```

nested level value

Definition at line 75 of file Oslf.c.

### 2.5.4.2 Oslf\_PriMaskValue

```
volatile uint32 OsIf_PriMaskValue
```

primask value

Definition at line 73 of file Oslf.c.

## 2.6 Oslf\_Time.h File Reference

This file provides Oslf Time API.

```
#include "Std_Types.h"
```

### Macros

- `#define OSIF_TIME_SW_MAJOR_VERSION` (1U)
- `#define OSIF_TIME_SW_MINOR_VERSION` (0U)
- `#define OSIF_TIME_SW_PATCH_VERSION` (0U)

### Functions

- `uint32 Oslf_GetCounter` (void)  
*Get the current value of the counter.*
- `uint32 Oslf_GetElapsed` (uint32 \*const CurrentRef)  
*Get the delta time in ticks compared to a reference, and updates the reference.*
- `uint32 Oslf_MicrosToTicks` (uint32 Micros)  
*Converts a value from microsecond units to ticks units.*
- `void Oslf_UDelay` (uint32 Micros)  
*Microseconds delay.*

### 2.6.1 Detailed Description

This file provides Oslf Time API.

## 2.6.2 Macro Definition Documentation

### 2.6.2.1 OSIF\_TIME\_SW\_MAJOR\_VERSION

```
#define OSIF_TIME_SW_MAJOR_VERSION (1U)
```

Definition at line 50 of file Oslf\_Time.h.

### 2.6.2.2 OSIF\_TIME\_SW\_MINOR\_VERSION

```
#define OSIF_TIME_SW_MINOR_VERSION (0U)
```

Definition at line 51 of file Oslf\_Time.h.

### 2.6.2.3 OSIF\_TIME\_SW\_PATCH\_VERSION

```
#define OSIF_TIME_SW_PATCH_VERSION (0U)
```

Definition at line 52 of file Oslf\_Time.h.

## 2.6.3 Function Documentation

### 2.6.3.1 Oslf\_GetCounter()

```
uint32 OsIf_GetCounter (  
    void )
```

Get the current value of the counter.

#### Note

Function ID: DES\_OSIF\_API\_207

#### Returns

The current value of the counter

Definition at line 212 of file Oslf.c.

### 2.6.3.2 Oslf\_GetElapsed()

```
uint32 OsIf_GetElapsed (  
    uint32 *const CurrentRef )
```

Get the delta time in ticks compared to a reference, and updates the reference.

#### Note

Function ID: DES\_OSIF\_API\_206

**Parameters**

<i>in, out</i>	<i>CurrentRef</i>	reference counter value, updated to current counter value
----------------	-------------------	---

**Returns**

The elapsed time

Definition at line 230 of file Oslf.c.

**2.6.3.3 Oslf\_MicrosToTicks()**

```
uint32 OsIf_MicrosToTicks (  
    uint32 Micros )
```

Converts a value from microsecond units to ticks units.

**Note**

Function ID: DES\_OSIF\_API\_204

**Parameters**

<i>in</i>	<i>Micros</i>	microseconds value (multiple of 1000 can be convert to tick)
-----------	---------------	--

**Returns**

uint32: ticks value

Definition at line 270 of file Oslf.c.

**2.6.3.4 Oslf\_UDelay()**

```
void OsIf_UDelay (  
    uint32 Micros )
```

Microseconds delay.

**Note**

Function ID: DES\_OSIF\_API\_205

**Parameters**

<i>in</i>	<i>Micros</i>	microseconds value
-----------	---------------	--------------------

### Returns

void

Definition at line 249 of file Oslf.c.

# Index

AC784xx\_API\_Reference\_Manual\_OSIF.pdf, [2](#)

CRITICAL\_ENTER

[Oslf\\_Critical.c, 12](#)

CRITICAL\_EXIT

[Oslf\\_Critical.c, 12](#)

ISR

[Oslf\\_Irq.h, 13](#)

OS\_PLATFORM

[Oslf.h, 9](#)

OSIF\_BAREMETAL

[Oslf.h, 9](#)

OSIF\_IRQ\_SW\_MAJOR\_VERSION

[Oslf\\_Irq.h, 13](#)

OSIF\_IRQ\_SW\_MINOR\_VERSION

[Oslf\\_Irq.h, 13](#)

OSIF\_IRQ\_SW\_PATCH\_VERSION

[Oslf\\_Irq.h, 14](#)

OSIF\_OS

[Oslf.h, 9](#)

OSIF\_SEC\_TO\_MS

[Oslf.c, 3](#)

OSIF\_SEC\_TO\_US

[Oslf.c, 3](#)

OSIF\_SW\_MAJOR\_VERSION

[Oslf.h, 10](#)

OSIF\_SW\_MINOR\_VERSION

[Oslf.h, 10](#)

OSIF\_SW\_PATCH\_VERSION

[Oslf.h, 10](#)

OSIF\_SYSTICK\_INTERVAL\_MS

[Oslf.c, 3](#)

OSIF\_TIME\_SW\_MAJOR\_VERSION

[Oslf\\_Time.h, 16](#)

OSIF\_TIME\_SW\_MINOR\_VERSION

[Oslf\\_Time.h, 16](#)

OSIF\_TIME\_SW\_PATCH\_VERSION

[Oslf\\_Time.h, 16](#)

Oslf.c, [2](#)

[OSIF\\_SEC\\_TO\\_MS, 3](#)

[OSIF\\_SEC\\_TO\\_US, 3](#)

[OSIF\\_SYSTICK\\_INTERVAL\\_MS, 3](#)

[Oslf\\_CriticalNesting, 8](#)

[Oslf\\_Deinit, 4](#)

[Oslf\\_GetCoreId, 4](#)

[Oslf\\_GetCounter, 4](#)

[Oslf\\_GetElapsed, 5](#)

[Oslf\\_Init, 5](#)

[Oslf\\_InternalMicrosToTicks, 6](#)

[Oslf\\_MicrosToTicks, 6](#)

[Oslf\\_PriMaskValue, 8](#)

[Oslf\\_UDelay, 7](#)

[SysTick\\_DeInit, 7](#)

[SysTick\\_GetCurrTicks, 7](#)

Oslf.h, [8](#)

[OS\\_PLATFORM, 9](#)

[OSIF\\_BAREMETAL, 9](#)

[OSIF\\_OS, 9](#)

[OSIF\\_SW\\_MAJOR\\_VERSION, 10](#)

[OSIF\\_SW\\_MINOR\\_VERSION, 10](#)

[OSIF\\_SW\\_PATCH\\_VERSION, 10](#)

[Oslf\\_Deinit, 10](#)

[Oslf\\_GetCoreId, 10](#)

[Oslf\\_Init, 11](#)

[Oslf\\_Critical.c, 11](#)

[CRITICAL\\_ENTER, 12](#)

[CRITICAL\\_EXIT, 12](#)

[Oslf\\_CriticalNesting](#)

[Oslf.c, 8](#)

[Oslf\\_Irq.h, 15](#)

[Oslf\\_Deinit](#)

[Oslf.c, 4](#)

[Oslf.h, 10](#)

[Oslf\\_GetCoreId](#)

[Oslf.c, 4](#)

[Oslf.h, 10](#)

[Oslf\\_GetCounter](#)

[Oslf.c, 4](#)

[Oslf\\_Time.h, 16](#)

[Oslf\\_GetElapsed](#)

[Oslf.c, 5](#)

[Oslf\\_Time.h, 16](#)

[Oslf\\_Init](#)

[Oslf.c, 5](#)

[Oslf.h, 11](#)

[Oslf\\_InternalMicrosToTicks](#)

[Oslf.c, 6](#)

[Oslf\\_Irq.h, 12](#)

[ISR, 13](#)

[OSIF\\_IRQ\\_SW\\_MAJOR\\_VERSION, 13](#)

[OSIF\\_IRQ\\_SW\\_MINOR\\_VERSION, 13](#)

[OSIF\\_IRQ\\_SW\\_PATCH\\_VERSION, 14](#)

[Oslf\\_CriticalNesting, 15](#)

[Oslf\\_PriMaskValue, 15](#)

[Oslf\\_ResumeAllInterrupts, 14](#)

[Oslf\\_SuspendAllInterrupts, 14](#)

[Oslf\\_MicrosToTicks](#)

[Oslf.c, 6](#)

[Oslf\\_Time.h, 17](#)

[Oslf\\_PriMaskValue](#)

[Oslf.c, 8](#)

[Oslf\\_Irq.h, 15](#)

[Oslf\\_ResumeAllInterrupts](#)

- [Oslf\\_Irq.h](#), [14](#)
- [Oslf\\_SuspendAllInterrupts](#)
  - [Oslf\\_Irq.h](#), [14](#)
- [Oslf\\_Time.h](#), [15](#)
  - [OSIF\\_TIME\\_SW\\_MAJOR\\_VERSION](#), [16](#)
  - [OSIF\\_TIME\\_SW\\_MINOR\\_VERSION](#), [16](#)
  - [OSIF\\_TIME\\_SW\\_PATCH\\_VERSION](#), [16](#)
  - [Oslf\\_GetCounter](#), [16](#)
  - [Oslf\\_GetElapsed](#), [16](#)
  - [Oslf\\_MicrosToTicks](#), [17](#)
  - [Oslf\\_UDelay](#), [17](#)
- [Oslf\\_UDelay](#)
  - [Oslf.c](#), [7](#)
  - [Oslf\\_Time.h](#), [17](#)
- [SysTick\\_DeInit](#)
  - [Oslf.c](#), [7](#)
- [SysTick\\_GetCurrTicks](#)
  - [Oslf.c](#), [7](#)