

C

Generated by Doxygen 1.9.1

| | |
|--|-----------|
| 1 Class Index | 1 |
| 1.1 Class List | 1 |
| 2 File Index | 3 |
| 2.1 File List | 3 |
| 3 Class Documentation | 5 |
| 3.1 data_methods Struct Reference | 5 |
| 3.2 file_handler Struct Reference | 5 |
| 3.3 file_methods Struct Reference | 5 |
| 3.4 list_handler Struct Reference | 6 |
| 3.5 list_methods Struct Reference | 6 |
| 3.6 object_methods Struct Reference | 6 |
| 3.7 os_methods Struct Reference | 7 |
| 3.8 string_methods Struct Reference | 7 |
| 3.9 string_pointer_methods Struct Reference | 7 |
| 3.10 string_reference Struct Reference | 8 |
| 3.11 user_methods Struct Reference | 8 |
| 3.12 void_methods Struct Reference | 8 |
| 4 File Documentation | 9 |
| 4.1 src/pointer/types/data/v1/data_v1.h File Reference | 9 |
| 4.1.1 Detailed Description | 10 |
| 4.2 src/pointer/types/file/v1/file_v1.h File Reference | 10 |
| 4.2.1 Detailed Description | 11 |
| 4.3 src/pointer/types/list/v1/list_v1.h File Reference | 11 |
| 4.3.1 Detailed Description | 12 |
| 4.4 src/pointer/types/object/v1/object_v1.h File Reference | 12 |
| 4.4.1 Detailed Description | 13 |
| 4.5 src/pointer/types/os/v1/os_v1.h File Reference | 13 |
| 4.5.1 Detailed Description | 14 |
| 4.6 src/pointer/types/string/v1/string_v1.h File Reference | 14 |
| 4.6.1 Detailed Description | 14 |
| 4.7 src/pointer/types/string_pointer/v1/string_pointer_v1.h File Reference | 15 |
| 4.7.1 Detailed Description | 15 |
| 4.8 src/pointer/types/user/v1/user_v1.h File Reference | 15 |
| 4.8.1 Detailed Description | 16 |
| 4.9 src/pointer/types/v1/types_v1.h File Reference | 16 |
| 4.9.1 Detailed Description | 16 |
| 4.10 src/pointer/types/void/v1/void_v1.h File Reference | 16 |
| 4.10.1 Detailed Description | 17 |
| Index | 19 |

Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

| | |
|--|---|
| data_methods | 5 |
| file_handler | 5 |
| file_methods | 5 |
| list_handler | 6 |
| list_methods | 6 |
| object_methods | 6 |
| os_methods | 7 |
| string_methods | 7 |
| string_pointer_methods | 7 |
| string_reference | 8 |
| user_methods | 8 |
| void_methods | 8 |

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

| | |
|--|----|
| src/pointer/types/data/v1/ data_v1.h | |
| C API / data | 9 |
| src/pointer/types/file/v1/ file_v1.h | |
| C API / file | 10 |
| src/pointer/types/list/v1/ list_v1.h | |
| C API / list | 11 |
| src/pointer/types/object/v1/ object_v1.h | |
| C API / object | 12 |
| src/pointer/types/os/v1/ os_v1.h | |
| C API / os | 13 |
| src/pointer/types/string/v1/ string_v1.h | |
| C API / string | 14 |
| src/pointer/types/string_pointer/v1/ string_pointer_v1.h | |
| C API / string pointer | 15 |
| src/pointer/types/user/v1/ user_v1.h | |
| C API / user | 15 |
| src/pointer/types/v1/ types_v1.h | |
| C API / types | 16 |
| src/pointer/types/void/v1/ void_v1.h | |
| C API / void | 16 |

Chapter 3

Class Documentation

3.1 data_methods Struct Reference

Public Attributes

- u64(* **alloc**)(u64 size)
- void(* **free**)(u64 ptr)
- void(*(* **unsafe**)(u64 ptr)
- u64(* **size**)(u64 ptr)

The documentation for this struct was generated from the following file:

- src/pointer/types/data/v1/[data_v1.h](#)

3.2 file_handler Struct Reference

Public Attributes

- FILE * **file**

The documentation for this struct was generated from the following file:

- src/pointer/types/file/v1/[file_v1.c](#)

3.3 file_methods Struct Reference

Public Attributes

- u64(* **alloc**)(u64 file_path_ptr, u64 mode_ptr)
- void(* **free**)(u64 ptr)
- u64(* **data**)(u64 ptr)

The documentation for this struct was generated from the following file:

- src/pointer/types/file/v1/[file_v1.h](#)

3.4 list_handler Struct Reference

Public Attributes

- u64 **size**
- struct list_data * **list**

The documentation for this struct was generated from the following files:

- src/pointer/types/list/v1/list_v1.c
- src/pointer/types/string/v1/string_v1.c

3.5 list_methods Struct Reference

Public Attributes

- u64(* **alloc**)(void)
- void(* **free**)(u64 ptr)
- u64(* **peek**)(u64 list_ptr)
- u64(* **pop**)(u64 list_ptr)
- void(* **push**)(u64 list_ptr, u64 ptr)
- u64(* **size**)(u64 ptr)

The documentation for this struct was generated from the following file:

- src/pointer/types/list/v1/[list_v1.h](#)

3.6 object_methods Struct Reference

Public Attributes

- u64(* **alloc**)(u64 size)
- void(* **free**)(u64 ptr)
- void(* **unsafe**)(u64 ptr)
- u64(* **load**)(const void *data, u64 size)
- u64(* **size**)(u64 ptr)

The documentation for this struct was generated from the following file:

- src/pointer/types/object/v1/[object_v1.h](#)

3.7 os_methods Struct Reference

Public Attributes

- u64(* **getcwd**)(void)
- void(* **putc**)(u64 ptr)

The documentation for this struct was generated from the following file:

- src/pointer/types/os/v1/[os_v1.h](#)

3.8 string_methods Struct Reference

Public Attributes

- void(* **free**)(u64 ptr)
- u64(* **copy**)(u64 ptr)
- void(* **strcpy**)(u64 dest, u64 src)
- void(* **strcat**)(u64 dest, u64 src)
- u64(* **strrchr**)(u64 src_ptr, u64 match_ptr)
- u64(* **strchr**)(u64 src_ptr, u64 match_ptr)
- u64(* **match**)(u64 src_ptr, u64 match_ptr)
- u64(* **offset**)(u64 src_ptr, u64 match_ptr)
- u64(* **load**)(const char *data)
- void(* **put_char**)(u64 ptr, char value)
- char *(* **unsafe**)(u64 ptr)
- u64(* **size**)(u64 ptr)
- u64(* **lessthan**)(u64 src, u64 dest)
- u64(* **greaterthan**)(u64 src, u64 dest)
- u64(* **equals**)(u64 src, u64 dest)
- u64(* **compare**)(u64 src, u64 dest)
- u64(* **left**)(u64 src, u64 offset)
- u64(* **strncpy**)(u64 src, u64 nbytes)
- u64(* **left_strncpy**)(u64 src, u64 offset)
- u64(* **right**)(u64 src, u64 offset)
- u64(* **move_left**)(u64 src, u64 nbytes)
- u64(* **move_right**)(u64 src, u64 nbytes)

The documentation for this struct was generated from the following file:

- src/pointer/types/string/v1/[string_v1.h](#)

3.9 string_pointer_methods Struct Reference

The documentation for this struct was generated from the following file:

- src/pointer/types/string_pointer/v1/[string_pointer_v1.h](#)

3.10 string_reference Struct Reference

Public Attributes

- u64 **address**
- u64 **offset**

The documentation for this struct was generated from the following file:

- [src/pointer/types/string_pointer/v1/string_pointer_v1.h](#)

3.11 user_methods Struct Reference

Public Attributes

- u64(* **alloc**)(void)
- void(* **free**)(u64 ptr)

The documentation for this struct was generated from the following file:

- [src/pointer/types/user/v1/user_v1.h](#)

3.12 void_methods Struct Reference

Public Attributes

- u64(* **alloc**)(u64 size)
- void(* **free**)(u64 ptr)
- void *(* **unsafe**)(u64 ptr)

The documentation for this struct was generated from the following file:

- [src/pointer/types/void/v1/void_v1.h](#)

Chapter 4

File Documentation

4.1 src/pointer/types/data/v1/data_v1.h File Reference

C API / data.

```
#include "std/common.h"
```

Include dependency graph for data_v1.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct [data_methods](#)

4.1.1 Detailed Description

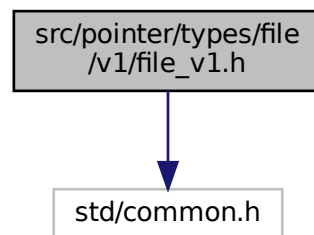
C API / data.

4.2 src/pointer/types/file/v1/file_v1.h File Reference

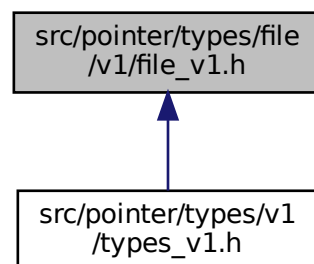
C API / file.

```
#include "std/common.h"
```

Include dependency graph for file_v1.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct [file_methods](#)

4.2.1 Detailed Description

C API / file.

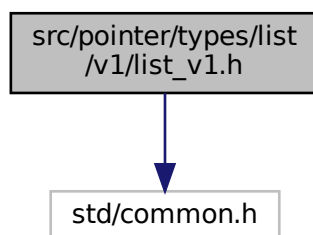


```
struct file_methods {  
    u64 (*alloc)(u64 file_path_ptr, u64 mode_ptr);  
    void (*free)(u64 ptr);  
    u64 (*data)(u64 ptr);  
};
```

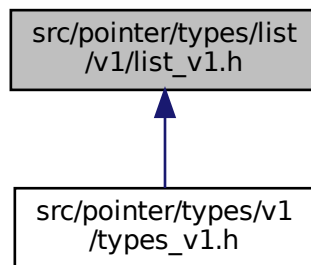
4.3 src/pointer/types/list/v1/list_v1.h File Reference

C API / list.

#include "std/common.h"
Include dependency graph for list_v1.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct [list_methods](#)

4.3.1 Detailed Description

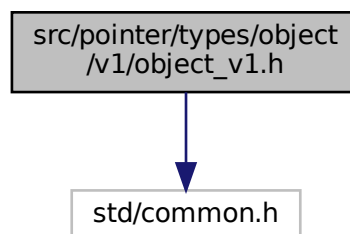
C API / list.

4.4 src/pointer/types/object/v1/object_v1.h File Reference

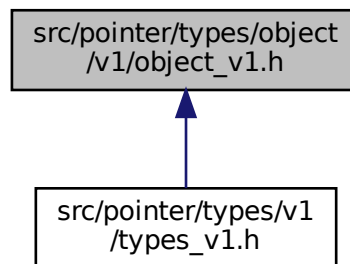
C API / object.

```
#include "std/common.h"
```

Include dependency graph for object_v1.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct [object_methods](#)

4.4.1 Detailed Description

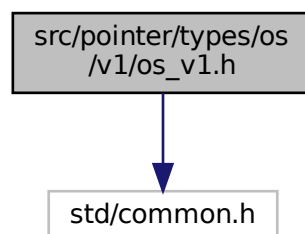
C API / object.

4.5 src/pointer/types/os/v1/os_v1.h File Reference

C API / os.

```
#include "std/common.h"
```

Include dependency graph for os_v1.h:



Classes

- struct [os_methods](#)

4.5.1 Detailed Description

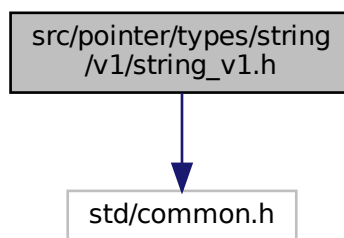
C API / os.

4.6 src/pointer/types/string/v1/string_v1.h File Reference

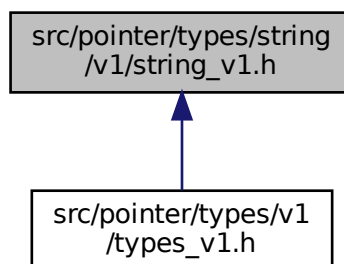
C API / string.

```
#include "std/common.h"
```

Include dependency graph for string_v1.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct [string_methods](#)

4.6.1 Detailed Description

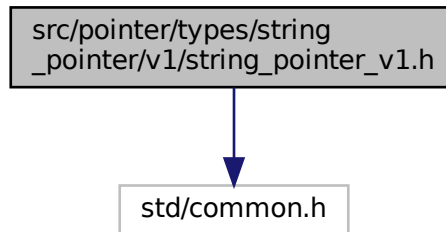
C API / string.

4.7 src/pointer/types/string_pointer/v1/string_pointer_v1.h File Reference

C API / string pointer.

```
#include "std/common.h"
```

Include dependency graph for string_pointer_v1.h:



Classes

- struct [string_pointer_methods](#)
- struct [string_reference](#)

4.7.1 Detailed Description

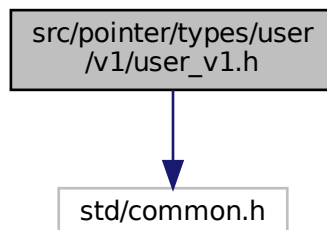
C API / string pointer.

4.8 src/pointer/types/user/v1/user_v1.h File Reference

C API / user.

```
#include "std/common.h"
```

Include dependency graph for user_v1.h:



Classes

- struct [user_methods](#)

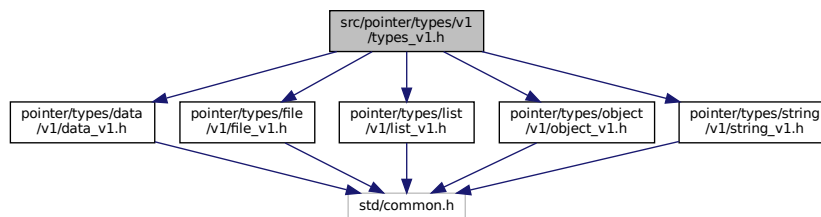
4.8.1 Detailed Description

C API / user.

4.9 src/pointer/types/v1/types_v1.h File Reference

C API / types.

```
#include "pointer/types/data/v1/data_v1.h"
#include "pointer/types/file/v1/file_v1.h"
#include "pointer/types/list/v1/list_v1.h"
#include "pointer/types/object/v1/object_v1.h"
#include "pointer/types/string/v1/string_v1.h"
Include dependency graph for types_v1.h:
```



4.9.1 Detailed Description

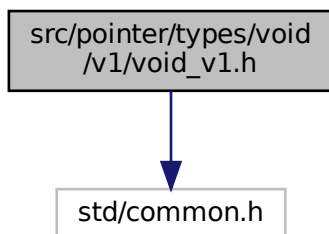
C API / types.

4.10 src/pointer/types/void/v1/void_v1.h File Reference

C API / void.

```
#include "std/common.h"
```

Include dependency graph for void_v1.h:



Classes

- struct [void_methods](#)

4.10.1 Detailed Description

C API / void.

Index

[data_methods](#), [5](#)

[file_handler](#), [5](#)

[file_methods](#), [5](#)

[list_handler](#), [6](#)

[list_methods](#), [6](#)

[object_methods](#), [6](#)

[os_methods](#), [7](#)

[src/pointer/types/data/v1/data_v1.h](#), [9](#)

[src/pointer/types/file/v1/file_v1.h](#), [10](#)

[src/pointer/types/list/v1/list_v1.h](#), [11](#)

[src/pointer/types/object/v1/object_v1.h](#), [12](#)

[src/pointer/types/os/v1/os_v1.h](#), [13](#)

[src/pointer/types/string/v1/string_v1.h](#), [14](#)

[src/pointer/types/string_pointer/v1/string_pointer_v1.h](#),
[15](#)

[src/pointer/types/user/v1/user_v1.h](#), [15](#)

[src/pointer/types/v1/types_v1.h](#), [16](#)

[src/pointer/types/void/v1/void_v1.h](#), [16](#)

[string_methods](#), [7](#)

[string_pointer_methods](#), [7](#)

[string_reference](#), [8](#)

[user_methods](#), [8](#)

[void_methods](#), [8](#)