

C

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Chapter 1

Class Index

1.1 Class List

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

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Chapter 2

File Index

2.1 File List

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

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C API / user	16
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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(* **peekn**)(u64 list_ptr, u64 nelements)
- u64(* **pop**)(u64 list_ptr)
- u64(* **popn**)(u64 list_ptr, u64 nelements)
- void(* **push**)(u64 list_ptr, u64 ptr)
- u64(* **size**)(u64 ptr)
- void(* **release**)(u64 ptr)

3.5.1 Member Data Documentation

3.5.1.1 peekn

```
u64(* list_methods::peekn) (u64 list_ptr, u64 nelements)
```

returns a list of picked items

Parameters

<i>list_ptr</i>	a list to get items from
<i>nelements</i>	number of elements to peek from the list

Returns

returns new list which contains n elements from the list in reverse order

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(* **getenv**)(u64 name)
- 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(* **strchr**)(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)`
- `u64(* strcmp)(u64 src, u64 dest)`

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

Public Attributes

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

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`

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](#)

Variables

- const struct [data_methods](#) **data_methods_definition**

4.1.1 Detailed Description

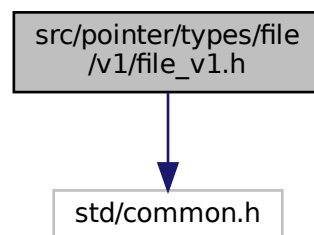
C API / data.

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

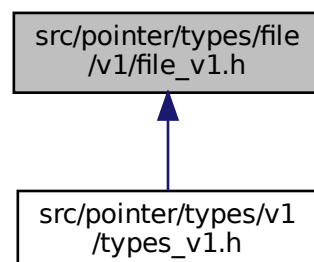
C API / file.

```
#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](#)

Variables

- const struct [file_methods](#) [file_methods_definition](#)

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);  
};
```

4.2.2 Variable Documentation

4.2.2.1 file_methods_definition

```
const struct file_methods file_methods_definition [extern]
```

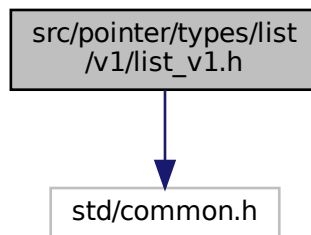
definition (initialization) of [file_methods](#) structure

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

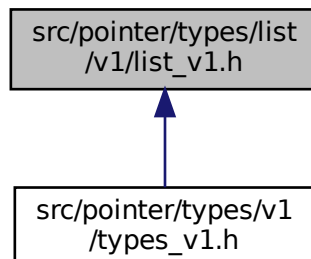
C API / list.

```
#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](#)

Variables

- const struct [list_methods](#) [list_methods_definition](#)

4.3.1 Detailed Description

C API / list.

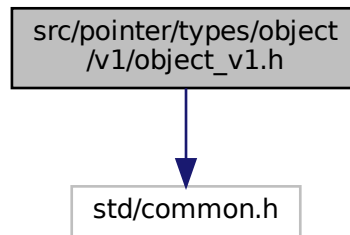
structure for organizing [list_methods](#) functions

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

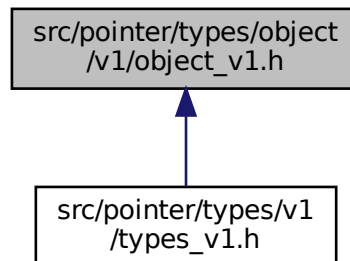
C API / object.

```
#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](#)

Variables

- const struct [object_methods](#) [object_methods_definition](#)

4.4.1 Detailed Description

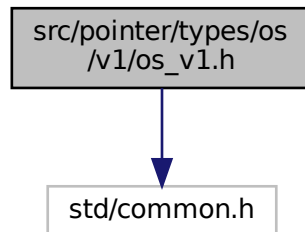
C API / object.

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](#)

Variables

- const struct [os_methods](#) [os_methods_definition](#)

4.5.1 Detailed Description

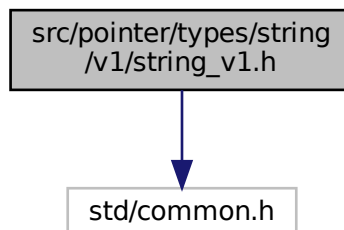
C API / os.

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

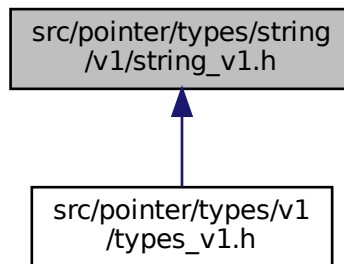
C API / string.

```
#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](#)

Variables

- const struct [string_methods](#) [string_methods_definition](#)

4.6.1 Detailed Description

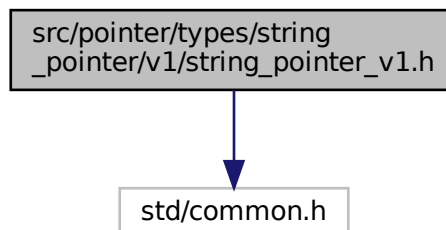
C API / string.

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

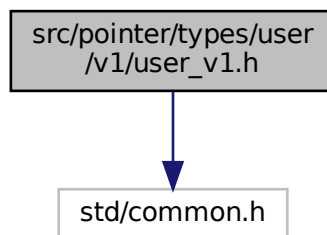
C API / string pointer.

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

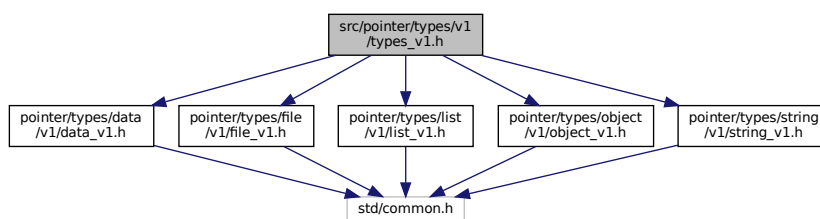
C API / user.

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.

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