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 15
src/pointer/types/v1/types_v1.h
C API / types 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(* 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

list_ptr	a list to get items from
nelements	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(∗ **strrchr**)(u64 src_ptr, u64 match_prt)
- u64(∗ **strchr**)(u64 src_ptr, u64 match_prt)
- u64(∗ **match**)(u64 src_ptr, u64 match_prt)
- u64(∗ **offset**)(u64 src_ptr, u64 match_prt)
- 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

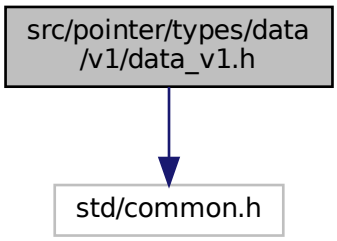
File Documentation

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

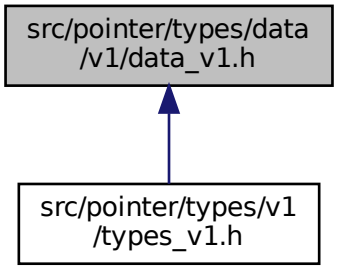
C API / data.

```
#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

4.1.1 Detailed Description

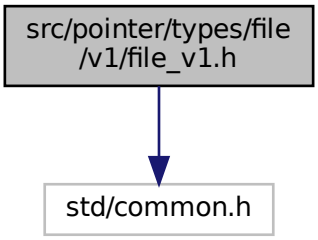
C API / data.

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

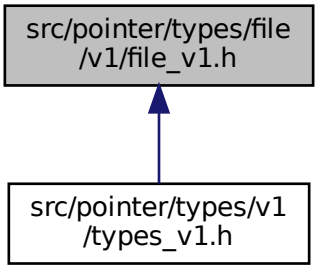
C API / file.

```
#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.

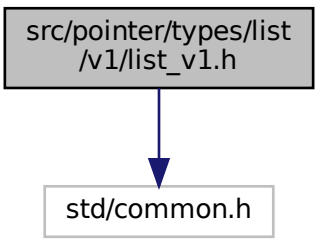
```
struct file_methods {
    u64 (*alloc)(u64 file_path_ptr, u64 mode_ptr);
    void (*free)(u64 ptr);
    u64 (*data)(u64 ptr);
};
```

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

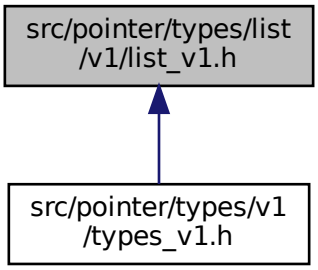
C API / list.

```
#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.

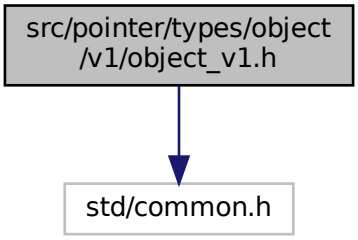
structure for organizing list_methods functions

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

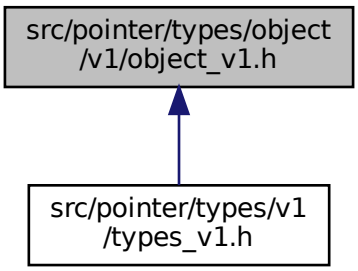
C API / object.

```
#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

4.4.1 Detailed Description

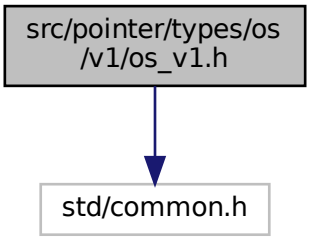
C API / object.

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

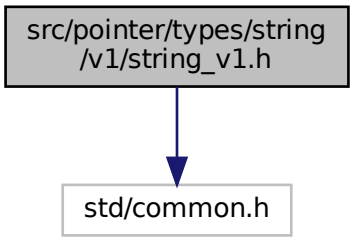
C API / os.

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

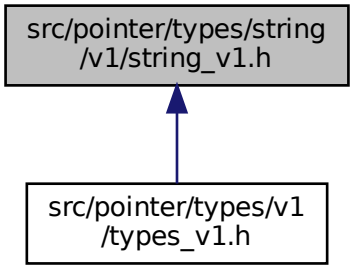
C API / string.

```
#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

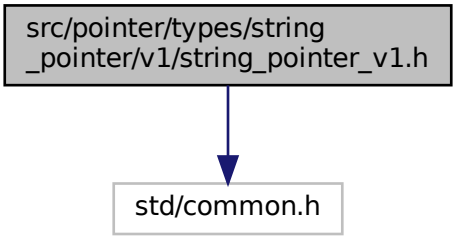
C API / string.

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

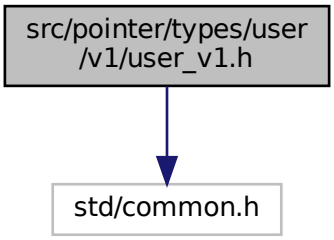
C API / string pointer.

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

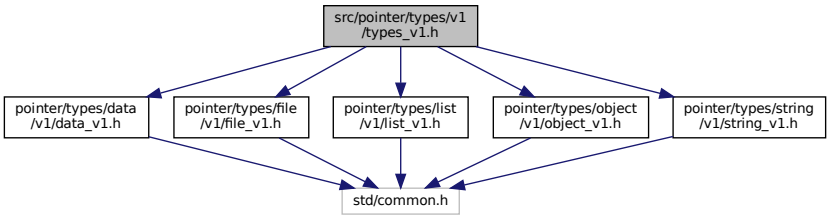
C API / user.

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.

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