

NAME

`ares_free_data` – Free data allocated by several c-ares functions

SYNOPSIS

```
#include <ares.h>
```

```
void ares_free_data(void *dataptr)
```

```
cc file.c -lc-ares
```

DESCRIPTION

The `ares_free_data(3)` function frees one or more data structures allocated and returned by several c-ares functions. Specifically the data returned by the following list of functions must be deallocated using this function.

`ares_get_servers(3)`

When used to free the data returned by `ares_get_servers(3)` this will free the whole linked list of `ares_addr_node` structures returned by `ares_get_servers(3)`.

`ares_parse_srv_reply(3)`

When used to free the data returned by `ares_parse_srv_reply(3)` this will free the whole linked list of `ares_srv_reply` structures returned by `ares_parse_srv_reply(3)`, along with any additional storage associated with those structures.

`ares_parse_mx_reply(3)`

When used to free the data returned by `ares_parse_mx_reply(3)` this will free the whole linked list of `ares_mx_reply` structures returned by `ares_parse_mx_reply(3)`, along with any additional storage associated with those structures.

`ares_parse_txt_reply(3)`

When used to free the data returned by `ares_parse_txt_reply(3)` this will free the whole linked list of `ares_txt_reply` structures returned by `ares_parse_txt_reply(3)`, along with any additional storage associated with those structures.

`ares_parse_soa_reply(3)`

When used to free the data returned by `ares_parse_soa_reply(3)` this will free the `ares_soa_reply` structure, along with any additional storage associated with those structure.

RETURN VALUE

The `ares_free_data()` function does not return a value.

AVAILABILITY

This function was first introduced in c-ares version 1.7.0.

SEE ALSO

`ares_get_servers(3)`, `ares_parse_srv_reply(3)`, `ares_parse_mx_reply(3)`, `ares_parse_txt_reply(3)`, `ares_parse_soa_reply(3)`

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