

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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