

NAME

ares_free_data – Free data allocated by several c-ares functions

SYNOPSIS

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

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

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. **ares_parse_uri_reply(3)** When used to free the data returned by *ares_parse_uri_reply(3)* this will free list of *ares_uri_reply* structures, along with any additional storage associated with those structure.

RETURN VALUE

The *ares_free_data(3)* 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)