

**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.

**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)

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