

NAME

`ares_parse_mx_reply` – Parse a reply to a DNS query of type MX

SYNOPSIS

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

```
int ares_parse_mx_reply(const unsigned char* abuf, int alen,
struct ares_mx_reply** mx_out);
```

DESCRIPTION

The `ares_parse_mx_reply` function parses the response to a query of type MX into a linked list of *struct ares_mx_reply*. The parameters *abuf* and *alen* give the contents of the response. The result is stored in allocated memory and a pointer to it stored into the variable pointed to by *mx_out*. It is the caller's responsibility to free the resulting *mx_out* structure when it is no longer needed using the function `ares_free_data`.

The structure *ares_mx_reply* contains the following fields:

```
struct ares_mx_reply {
    struct ares_mx_reply *next;
    char *host;
    unsigned short priority;
};
```

RETURN VALUES

`ares_parse_mx_reply` can return any of the following values:

ARES_SUCCESS

The response was successfully parsed.

ARES_EBADRESP

The response was malformed.

ARES_ENODATA

The response did not contain an answer to the query.

ARES_ENOMEM

Memory was exhausted.

AVAILABILITY

This function was first introduced in c-ares version 1.7.2.

SEE ALSO

`ares_query(3)` `ares_free_data(3)`

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