NAME

ares_parse_a_reply − Parse a reply to a DNS query of type A

SYNOPSIS

#include <ares.h>

int ares_parse_a_reply(const unsigned char ****abuf*, int** *alen***,**
struct hostent *****host*,**
struct ares_addrttl ****addrttls*, int ****naddrttls***);**

DESCRIPTION

The **ares_parse_a_reply** function parses the response to a query of type A into a **struct hostent** and/or an array of **struct ares_addrttls**. 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 *host*, if host is non-null. It is the caller's responsibility to free the resulting host structure using **ares_free_hostent**(3) when it is no longer needed.

If *addrttls* and *naddrttls* are both nonnull, then up to *naddrttls **struct ares_addrttl** records are stored in the array pointed to by addrttls, and then *naddrttls is set to the number of records so stored. Note that the memory for these records is supplied by the caller.

RETURN VALUES

ares_parse_a_reply can return any of the following values:

ARES_SUCCESS
The response was successfully parsed.

ARES_EBADRESP
The response was malformatted.

ARES_ENODATA
The response did not contain an answer to the query.

ARES_ENOMEM
Memory was exhausted.

SEE ALSO

ares_gethostbyname(3), **ares_free_hostent**(3)

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