#### **NAME**

ares\_parse\_aaaa\_reply - Parse a reply to a DNS query of type AAAA

## **SYNOPSIS**

#include <ares.h>

## DESCRIPTION

The ares\_parse\_aaaa\_reply function parses the response to a query of type AAAA into a **struct hostent** and/or an array of **struct ares\_addr6ttl**. 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 nonnull. 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\_addr6ttl** 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\_aaaa\_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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