NAME

ares_parse_soa_reply – Parse a reply to a DNS query of type SOA

SYNOPSIS

#include <ares.h>

int ares_parse_soa_reply(const unsigned char* *abuf***, int** *alen***,**
                                    struct ares_soa_reply** *soa_out***);**

DESCRIPTION

The **ares_parse_soa_reply** function parses the response to a query of type SOA into a *struct ares_soa_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 *soa_out*. It is the caller's responsibility to free the resulting *soa_out* structure when it is no longer needed using the function **ares_free_data**

The structure *ares_soa_reply* contains the following fields:

```
struct ares_soa_reply {
        char *nsname;
        char *hostmaster;
        unsigned int serial;
        unsigned int refresh;
        unsigned int retry;
        unsigned int expire;
        unsigned int minttl;
};
```

RETURN VALUES

ares_parse_soa_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.

AVAILABILITY

This function was first introduced in c-ares version 1.9.0.

SEE ALSO

ares_query(3) **ares_free_data**(3)