

NAME

`ares_parse_naptr_reply` – Parse a reply to a DNS query of type NAPTR

SYNOPSIS

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

```
int ares_parse_naptr_reply(const unsigned char* abuf, int alen,  
                          struct ares_naptr_reply** naptr_out);
```

DESCRIPTION

The **`ares_parse_naptr_reply`** function parses the response to a query of type NAPTR into a linked list of *struct ares_naptr_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 *naptr_out*. It is the caller's responsibility to free the resulting *naptr_out* structure when it is no longer needed using the function **`ares_free_data(3)`**.

The structure *ares_naptr_reply* contains the following fields:

```
struct ares_naptr_reply {  
    struct ares_naptr_reply *next;  
    unsigned char *flags;  
    unsigned char *service;  
    unsigned char *regexp;  
    char *replacement;  
    unsigned short order;  
    unsigned short preference;  
};
```

RETURN VALUES

`ares_parse_naptr_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 1.7.6.

SEE ALSO

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