

NAME

`ares_parse_uri_reply` – Parse a reply to a DNS query of type URI

SYNOPSIS

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

```
int ares_parse_uri_reply(const unsigned char* abuf, int alen,  
                        struct ares_uri_reply** uri_out);
```

DESCRIPTION

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

The structure `ares_uri_reply` contains the following fields:

```
struct ares_uri_reply {  
    struct ares_uri_reply  *next;  
    unsigned short         weight;  
    unsigned short         priority;  
    char                   *uri;  
    int                    ttl;  
};
```

RETURN VALUES

`ares_parse_uri_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**SEE ALSO**

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