

NAME

`ares_parse_ptr_reply` – Parse a reply to a DNS query of type PTR into a hostent

SYNOPSIS

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

```
int ares_parse_ptr_reply(const unsigned char *abuf, int alen,  
                        const void *addr, int addrlen,  
                        int family, struct hostent **host);
```

DESCRIPTION

The **`ares_parse_ptr_reply`** function parses the response to a query of type PTR into a **`struct hostent`**. The parameters *abuf* and *alen* give the contents of the response. The parameters *addr*, *addrlen*, and *family* specify which address was queried for; they are not used to verify the response, merely used to fill in the address of the **`struct hostent`**. The resulting **`struct hostent`** is stored in allocated memory and a pointer to it stored into the variable pointed to by *host*. It is the caller's responsibility to free the resulting host structure using **`ares_free_hostent(3)`** when it is no longer needed.

RETURN VALUES

`ares_parse_ptr_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.

SEE ALSO

`ares_gethostbyaddr(3)`, **`ares_free_hostent(3)`**