

**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)`

**AUTHOR**

Greg Hudson, MIT Information Systems

Copyright 1998 by the Massachusetts Institute of Technology.