

**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)`

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