

NAME

`ares_parse_srv_reply` – Parse a reply to a DNS query of type SRV

SYNOPSIS

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

```
int ares_parse_srv_reply(const unsigned char* abuf, int alen,
                        struct ares_srv_reply** srv_out);
```

DESCRIPTION

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

The structure *ares_srv_reply* contains the following fields:

```
struct ares_srv_reply {
    struct ares_srv_reply *next;
    unsigned short weight;
    unsigned short priority;
    unsigned short port;
    char *host;
};
```

RETURN VALUES

`ares_parse_srv_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 1.7.0.

SEE ALSO

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