### **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

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 malformatted.

### 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)
```

## **AUTHOR**

Written by Jakub Hrozek e/prozek@redhat.com, on behalf of Red Hat, Inc http://www.redhat.com