

**NAME**

`ldap_first_entry`, `ldap_next_entry`, `ldap_count_entries` - LDAP result entry parsing and counting routines

**LIBRARY**

OpenLDAP LDAP (libldap, -lldap)

**SYNOPSIS**

```
#include <ldap.h>
```

```
int ldap_count_entries( LDAP *ld, LDAPMessage *result )
```

```
LDAPMessage *ldap_first_entry( LDAP *ld, LDAPMessage *result )
```

```
LDAPMessage *ldap_next_entry( LDAP *ld, LDAPMessage *entry )
```

**DESCRIPTION**

These routines are used to parse results received from `ldap_result(3)` or the synchronous LDAP search operation routines `ldap_search_s(3)` and `ldap_search_st(3)`.

The `ldap_first_entry()` routine is used to retrieve the first entry in a chain of search results. It takes the *result* as returned by a call to `ldap_result(3)` or `ldap_search_s(3)` or `ldap_search_st(3)` and returns a pointer to the first entry in the result.

This pointer should be supplied on a subsequent call to `ldap_next_entry()` to get the next entry, the result of which should be supplied to the next call to `ldap_next_entry()`, etc. `ldap_next_entry()` will return NULL when there are no more entries. The entries returned from these calls are used in calls to the routines described in `ldap_get_dn(3)`, `ldap_first_attribute(3)`, `ldap_get_values(3)`, etc.

A count of the number of entries in the search result can be obtained by calling `ldap_count_entries()`.

**ERRORS**

If an error occurs in `ldap_first_entry()` or `ldap_next_entry()`, NULL is returned and the `ld_errno` field in the *ld* parameter is set to indicate the error. If an error occurs in `ldap_count_entries()`, -1 is returned, and `ld_errno` is set appropriately. See `ldap_error(3)` for a description of possible error codes.

**SEE ALSO**

`ldap(3)`, `ldap_result(3)`, `ldap_search(3)`, `ldap_first_attribute(3)`, `ldap_get_values(3)`, `ldap_get_dn(3)`

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