NAME

ldap_control_create, ldap_control_find, ldap_control_dup, ldap_controls_dup, ldap_control_free, ldap_controls_free - LDAP control manipulation routines

LIBRARY

OpenLDAP LDAP (libldap, -lldap)

SYNOPSIS

#include <ldap.h>

int ldap_control_create(const char *oid**, int** iscritical**, struct berval ***value**, int** dupval**, LDAPControl ****ctrlp**);**

LDAPControl *ldap_control_find(const char *oid**, LDAPControl ****ctrls**, LDAPControl *****nextctrlp**);**

LDAPControl *ldap_control_dup(LDAPControl *ctrl**);**

LDAPControl **ldap_controls_dup(LDAPControl **ctrls**);**

void ldap_control_free(LDAPControl *ctrl**);**

void ldap_controls_free(LDAPControl **ctrls**);**

DESCRIPTION

These routines are used to manipulate structures used for LDAP controls.

ldap_control_create() creates a control with the specified *OID* using the contents of the *value* parameter for the control value, if any. The content of *value* is duplicated if *dupval* is non-zero. The *iscritical* parameter must be non-zero for a critical control. The created control is returned in the *ctrlp* parameter. The routine returns **LDAP_SUCCESS** on success or some other error code on failure. The content of *value*, for supported control types, can be prepared using helpers provided by this implementation of libldap, usually in the form **ldap_create_<control name>_control_value**(). Otherwise, it can be BER-encoded using the functionalities of liblber.

ldap_control_find() searches the NULL-terminated *ctrls* array for a control whose OID matches the *oid* parameter. The routine returns a pointer to the control if found, NULL otherwise. If the parameter *nextctrlp* is not NULL, on return it will point to the next control in the array, and can be passed to the **ldap_control_find**() routine for subsequent calls, to find further occurrences of the same control type. The use of this function is discouraged; the recommended way of handling controls in responses consists in going through the array of controls, dealing with each of them in the returned order, since it

could matter.

ldap_control_dup() duplicates an individual control structure, and **ldap_controls_dup**() duplicates a NULL-terminated array of controls.

ldap_control_free() frees an individual control structure, and **ldap_controls_free**() frees a NULL-terminated array of controls.

SEE ALSO
ldap(3), **ldap_error**(3)

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