

**NAME**

ldap\_start\_tls, ldap\_start\_tls\_s, ldap\_tls\_inplace, ldap\_install\_tls - LDAP TLS initialization routines

**LIBRARY**

OpenLDAP LDAP (libldap, -lldap)

**SYNOPSIS**

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

```
int ldap_start_tls(LDAP *ld);
```

```
int ldap_start_tls_s(LDAP *ld, LDAPControl **serverctrls, LDAPControl **clientctrls);
```

```
int ldap_tls_inplace(LDAP *ld);
```

```
int ldap_install_tls(LDAP *ld);
```

**DESCRIPTION**

These routines are used to initiate TLS processing on an LDAP session. **ldap\_start\_tls\_s()** sends a StartTLS request to a server, waits for the reply, and then installs TLS handlers on the session if the request succeeded. The routine returns **LDAP\_SUCCESS** if everything succeeded, otherwise it returns an LDAP error code. **ldap\_start\_tls()** sends a StartTLS request to a server and does nothing else. It returns **LDAP\_SUCCESS** if the request was sent successfully. **ldap\_tls\_inplace()** returns 1 if TLS handlers have been installed on the specified session, 0 otherwise. **ldap\_install\_tls()** installs the TLS handlers on the given session. It returns **LDAP\_LOCAL\_ERROR** if TLS is already installed.

**SEE ALSO**

**ldap(3)**, **ldap\_error(3)**

**ACKNOWLEDGEMENTS**

**OpenLDAP Software** is developed and maintained by The OpenLDAP Project <<http://www.openldap.org/>>. **OpenLDAP Software** is derived from the University of Michigan LDAP 3.3 Release.