

Table 6.19 Plugin and Library Names for SASL-Based LDAP Authentication

Plugin or File	Plugin or File Name
Server-side plugin name	<code>authentication_ldap_sasl</code>
Client-side plugin name	<code>authentication_ldap_sasl_client</code>
Library file names	<code>authentication_ldap_sasl.so</code> , <code>authentication_ldap_sasl_client.so</code>

The library files include only the `authentication_ldap_XXX` authentication plugins. The client-side `mysql_clear_password` plugin is built into the `libmysqlclient` client library.

Each server-side LDAP plugin works with a specific client-side plugin:

- The server-side `authentication_ldap_simple` plugin performs simple LDAP authentication. For connections by accounts that use this plugin, client programs use the client-side `mysql_clear_password` plugin, which sends the password to the server as cleartext. No password hashing or encryption is used, so a secure connection between the MySQL client and server is recommended to prevent password exposure.
- The server-side `authentication_ldap_sasl` plugin performs SASL-based LDAP authentication. For connections by accounts that use this plugin, client programs use the client-side `authentication_ldap_sasl_client` plugin. The client-side and server-side SASL LDAP plugins use SASL messages for secure transmission of credentials within the LDAP protocol, to avoid sending the cleartext password between the MySQL client and server.

The following sections provide installation and usage information specific to LDAP pluggable authentication:

- [Prerequisites for LDAP Pluggable Authentication](#)
- [How LDAP Authentication of MySQL Users Works](#)
- [Installing LDAP Pluggable Authentication](#)
- [Uninstalling LDAP Pluggable Authentication](#)
- [LDAP Pluggable Authentication and `ldap.conf`](#)
- [Using LDAP Pluggable Authentication](#)
- [Simple LDAP Authentication](#)
- [SASL-Based LDAP Authentication](#)
- [LDAP Authentication with Proxying](#)
- [LDAP Authentication Group Preference and Mapping Specification](#)
- [LDAP Authentication User DN Suffixes](#)
- [LDAP Authentication Methods](#)
- [The GSSAPI/Kerberos Authentication Method](#)
- [LDAP Search Referral](#)

For general information about pluggable authentication in MySQL, see [Section 6.2.17, “Pluggable Authentication”](#). For information about the `mysql_clear_password` plugin, see [Section 6.4.1.4, “Client-Side Cleartext Pluggable Authentication”](#). For proxy user information, see [Section 6.2.18, “Proxy Users”](#).