

## Chapter 7

# Integrating the OpenLDAP Directory Server

OpenLDAP is an open source directory provided with the SDX software as a convenience to demonstrate the capabilities of the product. We recommend that you use a more sophisticated directory server in a production environment. See the *SDX Release Notes* for information about the compatibility of this SDX release with versions of OpenLDAP.

The chapter contains the following sections:

- Overview of Integration with OpenLDAP Directory on page 71
- Installing the OpenLDAP Directory on page 72
- Operating the OpenLDAP Directory Server on page 72
- Backing Up the OpenLDAP Database on page 72
- Restoring the OpenLDAP Database on page 73

### Overview of Integration with OpenLDAP Directory

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The SDX software distribution includes the OpenLDAP directory server and prepackaged integration for OpenLDAP through an add-on package. The OpenLDAP add-on package contains the UMC schema. For information about OpenLDAP, see the OpenLDAP Web site at:

<http://www.openldap.org>

You can integrate the OpenLDAP directory server into your SDX environment by installing the OpenLDAP directory server and add-on packages. After you install the OpenLDAP software, you can use the OpenLDAP directory.

## Installing the OpenLDAP Directory

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You install the OpenLDAP directory server and add-on packages (UMColdap and UMColdapa) as components in the SDX software distribution. For information about installing the SDX software components, see *SDX Getting Started Guide, Chapter 5, Installing the SDX-300 Software*.



**NOTE:** The OpenLDAP directory and add-on packages do not require configuration beyond the initial installation.

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## Operating the OpenLDAP Directory Server

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After you have installed the OpenLDAP directory server and add-on packages, you can perform these tasks:

- Starting the OpenLDAP directory server
- Stopping the OpenLDAP directory server
- Monitoring the OpenLDAP directory server
- Loading the OpenLDAP sample data

For information about performing these tasks, see *SDX Getting Started Guide, Chapter 6, Defining an Initial Configuration*.

## Backing Up the OpenLDAP Database

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You can manually back up the database for any directory you have installed. For information about migrating a directory database to another host, see *SDX Getting Started Guide, Chapter 12, Upgrading the SDX-300 Software*.

To back up the OpenLDAP database:

1. Log in as root.
2. Stop the OpenLDAP server.

```
/opt/UMC/openldap/etc/ldap stop
```

3. Archive the database.

```
tar cfv /tmp/openldapdb.tar /opt/UMC/openldap/var/openldap-ldbm/
```

where *openldapdb.tar* is the filename of the archive to be stored in the */tmp* directory.

4. Start the OpenLDAP server.

```
/opt/UMC/openldap/etc/ldap start
```

## Restoring the OpenLDAP Database

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You can manually restore the database for any directory you have installed. For information about migrating a directory database to another host, see *SDX Getting Started Guide, Chapter 12, Upgrading the SDX-300 Software*.

To restore the OpenLDAP database:

1. Log in as root.
2. Stop the OpenLDAP server.

```
/opt/UMC/openldap/etc/ldap stop
```

3. Extract the archive.

```
tar xfv /tmp/openldapdb.tar
```

4. Start the OpenLDAP server.

```
/opt/UMC/openldap/etc/ldap start
```

