

Spring LDAP

Spring LDAP Component

Available since Camel 2.11

The **spring-ldap**: component provides a Camel wrapper for [Spring LDAP](#).

Maven users will need to add the following dependency to their `pom.xml` for this component:

```
<dependency>
    <groupId>org.apache.camel</groupId>
    <artifactId>camel-spring-ldap</artifactId>
    <version>x.x.x</version>
    <!-- use the same version as your Camel core version -->
</dependency>
```

URI format

```
spring-ldap:springLdapTemplate[?options]
```

Where **springLdapTemplate** is the name of the [Spring LDAP Template bean](#). In this bean, you configure the URL and the credentials for your LDAP access.

Options

Name	Type	Description
operation	String	The LDAP operation to be performed. Must be one of <code>search</code> , <code>bind</code> , or <code>unbind</code> .
scope	String	The scope of the search operation. Must be one of <code>object</code> , <code>onelevel</code> , or <code>subtree</code> , see also http://en.wikipedia.org/wiki/Lightweight_Directory_Access_Protocol#Search_and_Compare

If an unsupported value is specified for some option, the component throws an `UnsupportedOperationException`.

Usage

The component supports producer endpoint only. An attempt to create a consumer endpoint will result in an `UnsupportedOperationException`. The body of the message must be a map (an instance of `java.util.Map`). This map must contain at least an entry with the key `dn` that specifies the root node for the LDAP operation to be performed. Other entries of the map are operation-specific (see below).

The body of the message remains unchanged for the `bind` and `unbind` operations. For the `search` operation, the body is set to the result of the search, see <http://static.springsource.org/spring-ldap/site/apidocs/org/springframework/ldap/core/LdapTemplate.html#search%28java.lang.String,%20java.lang.String,%20int,%20org.springframework.ldap.core.AttributesMapper%29>.

Search

The message body must have an entry with the key `filter`. The value must be a String representing a valid LDAP filter, see http://en.wikipedia.org/wiki/Lightweight_Directory_Access_Protocol#Search_and_Compare.

Bind

The message body must have an entry with the key `attributes`. The value must be an instance of `javax.naming.directory.Attributes` This entry specifies the LDAP node to be created.

Unbind

No further entries necessary, the node with the specified `dn` is deleted.

Key definitions

In order to avoid spelling errors, the following constants are defined in `org.apache.camel.springldap.SpringLdapProducer`:

- public static final String DN = "dn"
- public static final String FILTER = "filter"

- public static final String ATTRIBUTES = "attributes"