



# **OpenDJ LDAP SDK Release Notes**

Version 2.6.11

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## Abstract

Notes covering OpenDJ LDAP SDK software requirements, fixes, known issues. The OpenDJ project offers open source LDAP directory services in Java.



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# Preface

OpenDJ LDAP SDK provides a set of modern, developer-friendly Java APIs as part of the OpenDJ product suite. The product suite includes the client SDK alongside command-line tools and sample code, a 100% pure Java directory server, and more. You can use OpenDJ LDAP SDK to create client applications for use with any server that complies with the *Lightweight Directory Access Protocol (LDAP): Technical Specification Road Map*, [RFC 4510](#).

OpenDJ LDAP SDK brings you easy-to-use connection management, connection pooling, load balancing, and all the standard LDAP operations to read and write directory entries. OpenDJ LDAP SDK also lets you build applications with capabilities defined in additional draft and experimental RFCs that are supported by modern LDAP servers.



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## Chapter 1

# Getting OpenDJ LDAP SDK

OpenDJ LDAP SDK is available from the ForgeRock repository, <http://maven.forgerock.org/repo/>.

To include OpenDJ LDAP SDK as a Maven dependency, include the ForgeRock repository in your list, and include the SDK as a dependency.

```
<repositories>
  <repository>
    <id>forgerock-staging-repository</id>
    <name>ForgeRock Release Repository</name>
    <url>http://maven.forgerock.org/repo/releases</url>
    <snapshots>
      <enabled>>false</enabled>
    </snapshots>
  </repository>
  <repository>
    <id>forgerock-snapshots-repository</id>
    <name>ForgeRock Snapshot Repository</name>
    <url>http://maven.forgerock.org/repo/snapshots</url>
    <releases>
      <enabled>>false</enabled>
    </releases>
  </repository>
</repositories>

<dependencies>
  <dependency>
    <groupId>org.forgerock.opendj</groupId>
    <artifactId>opendj-ldap-sdk</artifactId>
    <version>2.6.11</version>
  </dependency>
</dependencies>
```





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## Chapter 2

# What's New in OpenDJ LDAP SDK 2.6.11

OpenDJ LDAP SDK 2.6.11 is a maintenance release that resolves a number of issues. It is recommended that you update to this release to take advantage of important functional fixes. ForgeRock customers can contact support for help and further information.

Before you use the new release, read these release notes.

## 2.1 Product Enhancements

Compared to the OpenDJ LDAP SDK 2.6.9 release, OpenDJ LDAP SDK 2.6.11 provides these important enhancements.

- The `PersistentSearchChangeType` enum now allows the developer to obtain enum values from the int value representation in order to allow switching on values without having to redefine constants ([OPENDJ-2023](#)).
- OpenDJ LDAP SDK now provides a `TransactionIdControl` to pass a transaction ID for audit logging in LDAP requests ([OPENDJ-1926](#)).

## 2.2 OpenDJ LDAP SDK Documentation

You can read the following additional product documentation for OpenDJ LDAP SDK 2.6 online at ForgeRock [BackStage](#).

- *[OpenDJ 2.6.0 LDAP SDK Developer's Guide](#)*
- *[OpenDJ 2.6.11 LDAP SDK API Specification](#)*

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## Chapter 3

# Before You Install OpenDJ LDAP SDK Software

This chapter covers requirements to consider before you run OpenDJ LDAP SDK.



### Note

This chapter has not changed since 2.6.9.

## 3.1 Java Environment

OpenDJ LDAP SDK is a pure Java library. OpenDJ LDAP SDK therefore should run on any system with full Java support. OpenDJ software runs on a variety of operating systems, including but not limited to Solaris SPARC and x86, various Linux distributions, Microsoft Windows, and Apple Mac OS X.

OpenDJ software requires Java 6 or 7, specifically at least the Java Standard Edition runtime environment. To build applications with OpenDJ LDAP SDK, you need the corresponding Java SDK.

ForgeRock recommends that you keep your Java installation up to date with the latest security fixes.



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## Chapter 4

# Compatibility

This chapter covers major changes to existing APIs, and deprecated and removed APIs.



### Note

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This chapter has not changed since 2.6.9.

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## 4.1 Major Changes

This maintenance release is binary-compatible with OpenDJ LDAP SDK 2.6.9. It does not introduce major changes.

## 4.2 Deprecation

Deprecated APIs are listed in the API Specification, on the [Deprecated list](#) page.

Deprecated APIs are likely to be removed in a future release.

## 4.3 Removals

Nothing has been removed from the public APIs in this release.

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## Chapter 5

# OpenDJ LDAP SDK Fixes, Limitations, & Known Issues

This chapter covers the status of key issues and limitations for this version of OpenDJ LDAP SDK. For detailed information regarding a particular issue, see the [OpenDJ issue tracker](#).

## 5.1 Key Fixes

The following bugs were fixed in this release.

- [OPENDJ-2299](#): `ResultCode.valueOf` throw `java.lang.IndexOutOfBoundsException` if the value is not in `[0,16655[`
- [OPENDJ-2240](#): `AttributeTypes` parser mishandles characters after usage field
- [OPENDJ-1909](#): `diffEntries` implements an `add+delete` but should be `delete+add`
- [OPENDJ-1597](#): `newOffsetControl` passes 'offset' and 'contentCount' to the constructor in the incorrect order

## 5.2 Limitations

No limitations are noted for this release.

## 5.3 Known Issues

The following important issues remained open at the time this release became available.

- [OPENDJ-1276](#): ModifyDNRequest javadoc should describe deleteOldRDN default value
- [OPENDJ-1131](#): Rest2LDAP fails to start with GlassFish3.1
- [OPENDJ-514](#): OpenDJ SDK SASL integrity/confidentiality violates protocol
- [OPENDJ-155](#): Add support for OpenDJ extended matching rules and syntaxes



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## Chapter 6

# How to Report Problems & Provide Feedback

If you have questions regarding OpenDJ LDAP SDK that are not answered by the documentation, there is a mailing list which can be found at <https://lists.forgerock.org/mailman/listinfo/opensdj> where you are likely to find an answer.



### Note

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This chapter has not changed since 2.6.9.

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If you have found issues or reproducible bugs within this release of OpenDJ LDAP SDK, report them in the [OpenDJ issue tracker](#).

When requesting help with a problem, please include the following information:

- Description of the problem, including when the problem occurs and its impact on your operation
- Description of the environment, including the following information:
  - Machine type
  - Operating system & version

- 
- Storage type & version
  - Java version
  - OpenDJ LDAP SDK release version
  - Any patches or other software that might be affecting the problem
  - Steps to reproduce the problem
  - Any relevant access and error logs, and stack traces

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## Chapter 7

# Support

You can purchase OpenDJ LDAP SDK support subscriptions from ForgeRock and from consulting partners around the world and in your area.

To contact ForgeRock, send mail to [info@forgerock.com](mailto:info@forgerock.com).

To find a partner in your area, see <https://forgerock.com/>.

