

# Index

## The Apache Directory™ Project

### Project Vision

We strive to increase LDAP awareness, comfort and adoption to bring forth what we call the Modern LDAP Renaissance. Learn more about our vision [here](#).

### Directory Sub-Projects

The Apache Directory Project provides directory solutions entirely written in Java. These include a directory server, which has been certified as LDAP v3 compliant by the Open Group (ApacheDS), and Eclipse-based directory tools (Apache Directory Studio).

#### ApacheDS™

ApacheDS is an extensible and embeddable directory server entirely written in Java, which has been certified LDAPv3 compatible by the Open Group. Besides LDAP it supports Kerberos 5 and the Change Password Protocol. It has been designed to introduce triggers, stored procedures, queues and views to the world of LDAP which has lacked these rich constructs.

#### Apache Directory Studio™

Apache Directory Studio is a complete directory tooling platform intended to be used with any LDAP server however it is particularly designed for use with ApacheDS. It is an Eclipse RCP application, composed of several Eclipse (OSGi) plugins, that can be easily upgraded with additional ones. These plugins can even run within Eclipse itself.

### News



[ApacheDS 2.0.0-M8 released](#)

[Emmanuel Lécharny](#) posted on Oct 25, 2012

The Apache Directory team is pleased to announce the release of ApacheDS 2.0.0-M8, the eighth milestone toward a 2.0 version.

ApacheDS is an extensible and embeddable directory server entirely written in Java, which has been certified LDAPv3 compatible by the Open Group. Besides LDAP it supports Kerberos 5 and the Change Password Protocol. It has been designed to introduce triggers, stored procedures, queues and views to the world of LDAP which has lacked these rich constructs.

Here is the release note for Apache Directory ApacheDS 2.0.0-M8:

DIRSERVER-1458 - Cursor API generic usage is totally wrong  
 DIRSERVER-1624 - Index are not created when added after the server has been started  
 DIRSERVER-1655 - Possible incorrect insertion of modifications in the consumer log  
 DIRSERVER-1659 - the apacheds.sh/bat files contains a hard coded revision. This is not good  
 DIRSERVER-1663 - NPE when doing add/delete and search at the same time on the same entries  
 DIRSERVER-1677 - Dependencies cleanup  
 DIRSERVER-1689 - testNoSearchByNonAdmin does not throw an LdapNoPermissionException, as expected  
 DIRSERVER-1706 - be sure we close the cursors when the session expires and if we have paged searches or persistent search going on  
 DIRSERVER-1709 - Adding an index does not create the index if the server is already started  
 DIRSERVER-1710 - The memory default (128M) is not enough in most case  
 DIRSERVER-1715 - Implement backward browse for DescendantCursor and ChildrenCursor  
 DIRSERVER-1718 - Problems when adding a schema containing one or more uppercased letters  
 DIRSERVER-1722 - The PagedSearchIT.testPagedSearchWrongCookie() test blocks randomly the build  
 DIRSERVER-1723 - Potential LRUCache exhaustion with searches  
 DIRSERVER-1726 - DefaultPasswordValidator always throws PasswordPolicyException when consecutive non-letter chars are in RDN  
 DIRSERVER-1727 - LDAP Searches against boolean attributes with booleanMatch equality never return matches  
 DIRSERVER-1732 - ERR\_04131 The value is expected to be a String  
 DIRSERVER-1735 - When ads-pwdmaxage attribute is set to more than 2147483, then all user passwords are expirer forever.  
 DIRSERVER-1737 - ApacheDS should be able to start even when one of its indexed attributes can't be found in the schema manager  
 DIRSERVER-1738 - Can't restart ApacheDS after setting a value superior to Integer.MAX\_VALUE in an AT with Integer syntax  
 DIRSERVER-1739 - LDAP Searches Slow  
 DIRSERVER-1744 - Complex LDAP search filters returning unmatched objects  
 DIRSERVER-1747 - Presence index is not up to date when the server is started  
 DIRSERVER-1748 - EqualityEvaluator does not work correctly

Note that this is a milestone, and some parts of the API or configuration can change before the 2.0 GA. We don't have any defined time frame for the 2.0-GA release, we do expect to release a few more milestones before reaching the 2.0-GA.

Downloads are available at <http://directory.apache.org/apacheds/2.0/downloads.html>



ApacheDS 2.0.0-M7 released

Emmanuel Lécharny posted on May 21, 2012

The Apache Directory team is pleased to announce the release of ApacheDS 2.0.0-M7, the seventh milestone toward a 2.0 version.

ApacheDS is an extensible and embeddable directory server entirely written in Java, which has been certified LDAPv3 compatible by the Open Group. Besides LDAP it supports Kerberos 5 and the Change Password Protocol. It has been designed to introduce triggers, stored procedures, queues and views to the world of LDAP which has lacked these rich constructs.

Here is the release note for Apache Directory ApacheDS 2.0.0-M7:

DIRSERVER-1093 - the ResourceRecordEncoder and QuestionRecordEncoder have bug for empty domainName  
 DIRSERVER-1697 - Creation of new syntax fails due to ERR\_277 Attribute m-obsolete not declared in objectClasses of entry  
 DIRSERVER-1698 - Search on entries with multiple AVA in RDN does not work correctly if the initial RDN order is not used  
 DIRSERVER-1702 - Adding an index through annotation does not work  
 DIRSERVER-1712 - If the index are created using their alias, they are deleted immediately  
 DIRSERVER-1711 - Index initialization is taking way too much time  
 DIRSERVER-1713 - Error on console with first start of clean system

Note that this is a milestone, and some parts of the API or configuration can change before the 2.0 GA. We don't have any defined time frame for the 2.0-G1 release, we do expect to release a few more milestones before reaching the 2.0-GA.

Downloads are available at <http://directory.apache.org/apacheds/2.0/downloads.html>



Apache Directory LDAP API 1.0.0-M12 released

Emmanuel Lécharny posted on May 11, 2012

The Apache Directory Team is proud to announce the availability of the 1.0.0-M12 version of the Apache Directory LDAP API.

The Apache Directory LDAP client API is an ongoing effort to provide an enhanced LDAP API, as a replacement for JNDI and the existing LDAP API (jLdap and Mozilla LDAP API).

This is a schema aware API, with some convenient ways to access a LDAP server. This API is not only targeting the Apache Directory Server, but should work pristine with any LDAP server.

It's also an extensible API : new Controls, schema elements and network layer could be added or used in the near future. It's also OSGi capable.

In this milestone, we have fixed some issues, some of them being critical:

Here is the release note for Apache Directory LDAP API 1.0.0-M12:

Bugs :

- DIRAPI-82 Loading class file as stream under Windows bugged
- DIRAPI-83 - Debug logging causes never ending loop when decoding messages
- DIRAPI-84 - API fails to preserve the UP name of the attribute in a normalized DN
- DIRSHARED-53 - Review RequestID processing

- [DIRSHARED-134](#) - Missing artifact org.apache.directory.jdbm:apacheds-jdbm2:bundle:2.0.0-M1 when depending on apacheds-server-jndi

Improvement :

- [DIRSHARED-128](#) - Update the samba schema with samba version 3 elements

Feel free to experiment, we highly appreciate your feedback !

Web site :

<http://directory.apache.org/api/>

Download :

<http://directory.apache.org/api/downloads.html>User

Guide : <http://directory.apache.org/api/user-guide.html>



#### Apache Directory Studio 2.0 M3 released

Pierre-Arnaud Marcelot posted on Feb 29, 2012

The Apache Directory Team is pleased to announce the release of Apache Directory Studio 2.0 M3, the third milestone release of the version 2.0 of its Eclipse based LDAP Browser and Directory client.

You can download Apache Directory Studio 2.0 M3 as a standalone RCP application for Mac OS X, Linux and Windows here: <http://directory.apache.org/studio/2.0/download>

You can install it directly in Eclipse using this update site: <http://directory.apache.org/studio/update/2.x/>

Here is the release note for Apache Directory Studio 2.0 M3:

Bug

- [DIRSTUDIO-764](#) - Image Editor does not work correctly
- [DIRSTUDIO-765](#) - Can not export DSML
- [DIRSTUDIO-767](#) - All attribute names are lowercase when using Apache Directory LDAP Client API
- [DIRSTUDIO-768](#) - Error while searching using a filter on a binary attribute
- [DIRSTUDIO-769](#) - Alt-S shortcutkey does not work in Search Dialog
- [DIRSTUDIO-770](#) - Typos in french translation
- [DIRSTUDIO-771](#) - Searches are not saved when closing Studio 2.0 M1/M2
- [DIRSTUDIO-772](#) - Entry UUID Editor can't display eDirectory GUID
- [DIRSTUDIO-773](#) - IllegalArgumentException thrown when copying the RootDSE
- [DIRSTUDIO-776](#) - Misleading title for action "Open 'Search Result'/'Bookmark'/'Entry' in DIT" in LDAP Browser view context menu
- [DIRSTUDIO-777](#) - Renaming entry fails when using Apache Directory LDAP API
- [DIRSTUDIO-778](#) - NullPointerException when refreshing a TableEntryEditor
- [DIRSTUDIO-779](#) - Label for folded attributes in TableEntryEditor is not updated when quick filter is used
- [DIRSTUDIO-783](#) - The 'Rename Entry' dialog doesn't resize automatically when adding or removing RDN parts

Improvement

- [DIRSTUDIO-713](#) - Improve the 'Show in' sub-menu of the TableEntryEditor
- [DIRSTUDIO-780](#) - Allow Apache Directory Studio to be pinned to Windows 7's taskbar
- [DIRSTUDIO-782](#) - Improve Windows installer with JRE detection and creation of 'Apache Directory Studio.ini' file
- [DIRSTUDIO-784](#) - Add the ability to sort searches in the LDAP Browser view
- [DIRSTUDIO-785](#) - Add the ability to sort bookmarks in the LDAP Browser view

Click here to view the full [Release Notes](#).



#### ApacheDS 2.0.0-M6 released

Pierre-Arnaud Marcelot posted on Feb 29, 2012

The Apache Directory team is pleased to announce the release of ApacheDS 2.0.0-M6, the sixth milestone toward a 2.0 version.

ApacheDS is an extensible and embeddable directory server entirely written in Java, which has been certified LDAPv3 compatible by the Open Group. Besides LDAP it supports Kerberos 5 and the Change Password Protocol. It has been designed to introduce triggers, stored procedures, queues and views to the world of LDAP which has lacked these rich constructs.

Here is the release note for Apache Directory ApacheDS 2.0.0-M6:

- [DIRSERVER-1644](#) - User provided value is not retained during rename operation
- [DIRSERVER-1681](#) - adding entries with attribute userCertificate;binary fails with "No such attribute"
- [DIRSERVER-1692](#) - Unable to add a JPEG image to an entry due to an 'Invalid Attribute Syntax' error
- [DIRSERVER-1693](#) - Renaming an entry when the RDN uses a case insensitive AT should be possible
- [DIRSERVER-1694](#) - Renaming an existing entry with a DN containing upper cased chars will not store the CN as provided
- [DIRSERVER-1696](#) - Creation of an entry like cn=test1+cn=test2, ou=system should not be allowed
- [DIRSERVER-1699](#) - DN/RDN handling is incorrect when there are some escaped values into them
- [DIRSERVER-1700](#) - Version in Root DSE is reported as '\$pom.version'

Note that this is a milestone, and some parts of the API or configuration can change before the 2.0 GA. We don't have any defined time frame for the 2.0-G1 release, we do expect to release a few more milestones before reaching the 2.0-GA.

Downloads are available at <http://directory.apache.org/apacheds/2.0/downloads.html>