Apache Directory Studio

A new Open Source LDAP & Directory Tooling Platform

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Agenda

- What is Apache Directory Studio ?
- Why Apache Directory Studio ?
- Apache Directory Studio Architecture
- Overview of Apache Directory Studio Plugins
- Future works
- Apache Directory Community
- Links
- Q/A

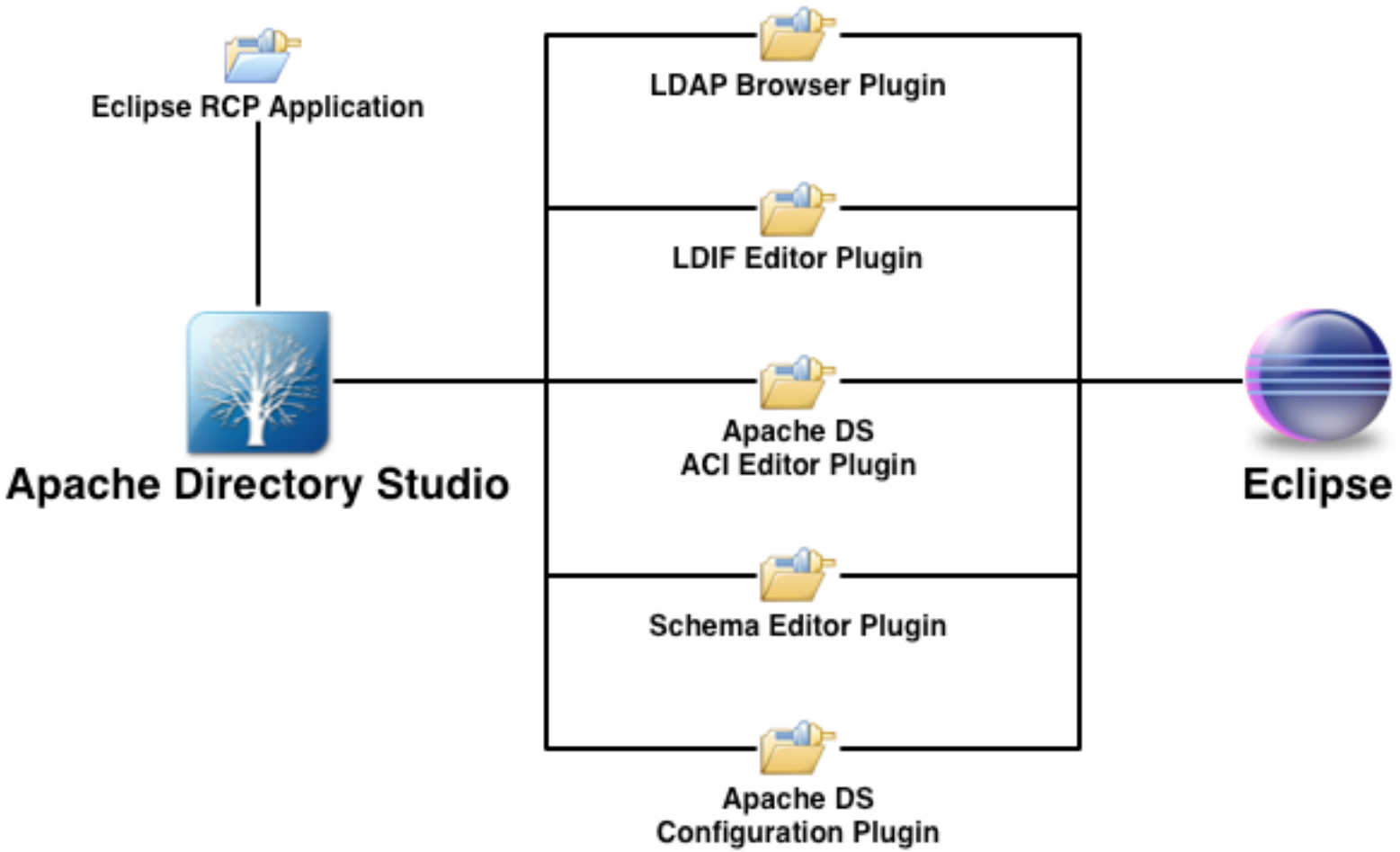
What is A. D. Studio ?

- Part of the Apache Directory Project at the Apache Software Foundation
- As the Server, it's written in Java
- A multi-plaform Eclipse RCP application
- Composed of several Eclipse plugins
- Runs as a standalone application or inside Eclipse

Why A. D. Studio ?

- Particularly designed to be used with Apache Directory Server
- Key features of Apache Directory Server needed tooling to be used easily
- Integrable inside an existing Eclipse installation
- An easily extensive Platform

A. D. Studio Architecture



LDAP Browser Plugin

- Multiple connections
- Tree based DIT browser
- Entry editor
- Value editors
- Search with search result editor
- Bookmarks
- LDIF and DSML v2 import/export
- Basic batch operations
- Schema browser

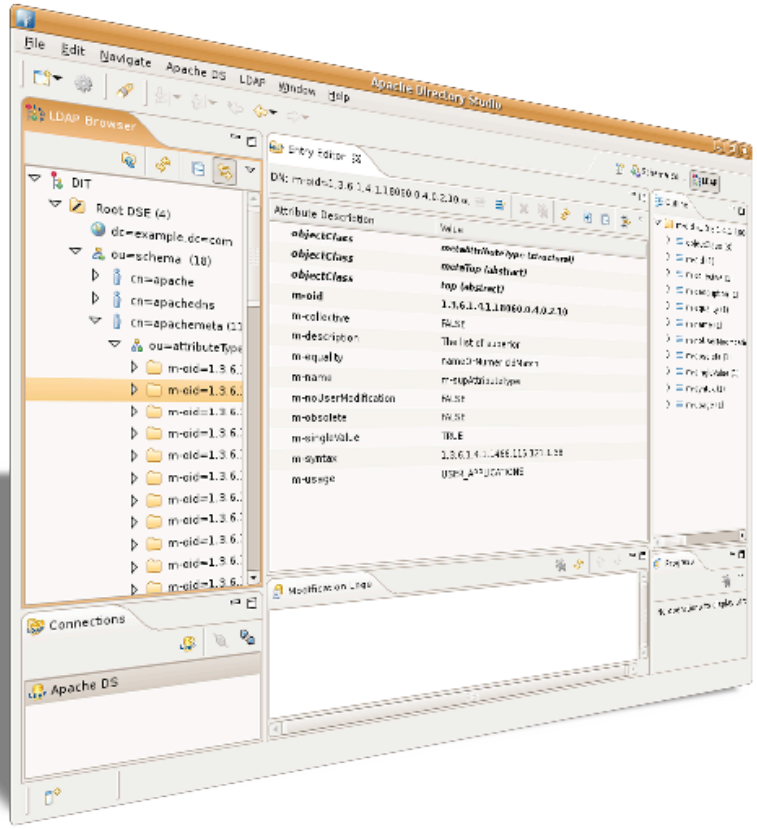
ACI Editor Plugin

- Edits ACI (Access Control Information) Item specification for Apache DS
- Specify ACI graphically or by source code
- Provides syntax coloring and code templates of ACI source code

LDAP Browser & ACI Editor Plugin

Apache Directory

Demo



LDIF Editor Plugin

- Supports content and changetype records
- Import into a directory server
- Syntax coloring, code templates, and auto-completion
- BASE-64 support
- Value editors for binary attributes

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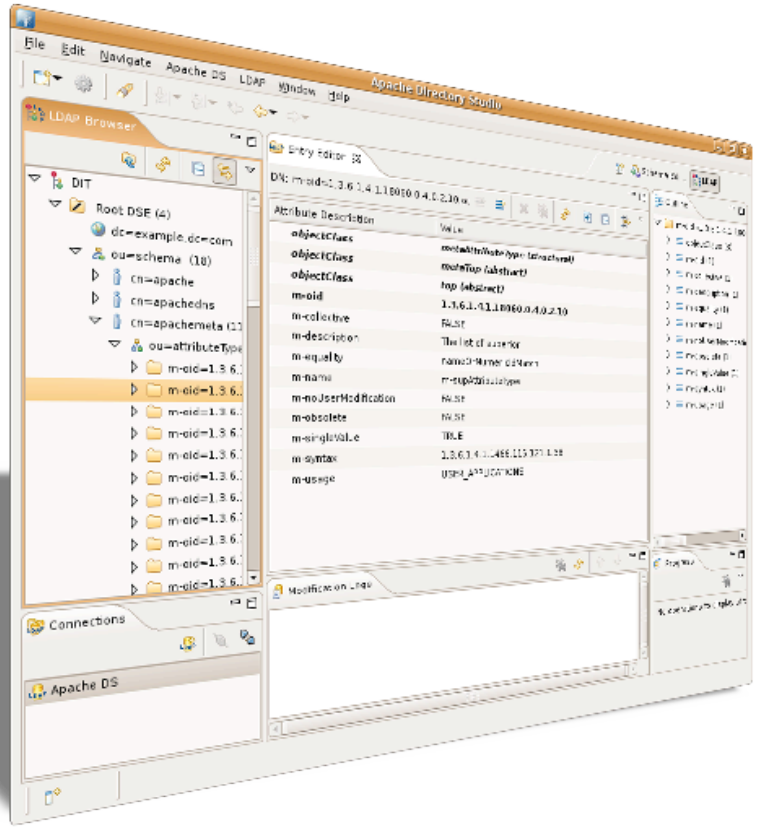
LDIF Editor Plugin

Demo



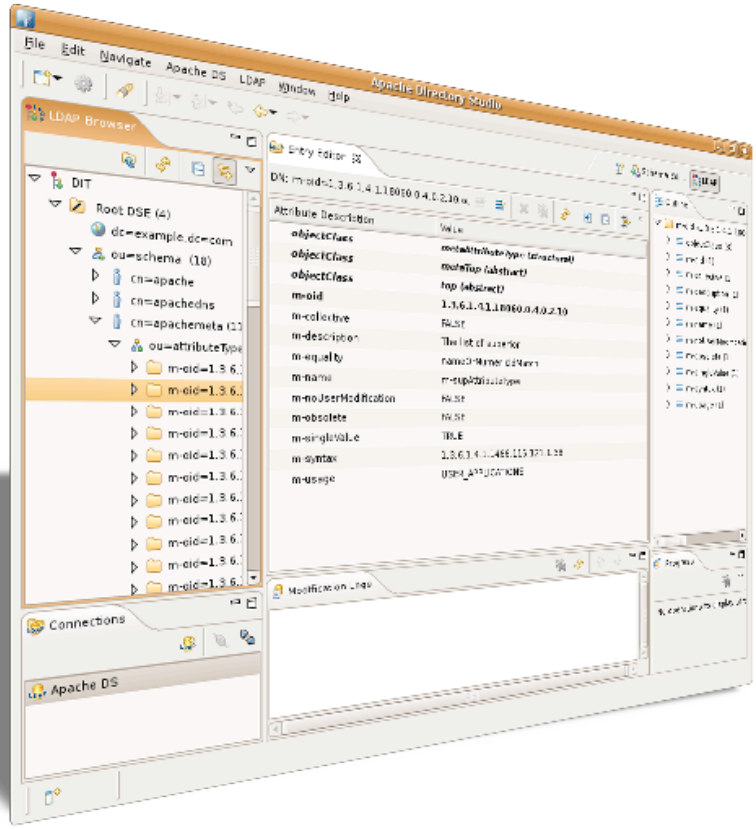
Apache DS Configuration Plugin

- Basic parameters edition
- Add, edit or delete Partitions
- Add, edit, delete or sort Interceptors
- Add, edit or delete Extended Operations

Apache DS Configuration Plugin

Apache Directory

Demo



Schema Editor Plugin

- Dynamically edits the Schema of an Apache Directory Server
- Edit offline Schema
- Opens/saves schemas in OpenLDAP Schema file format

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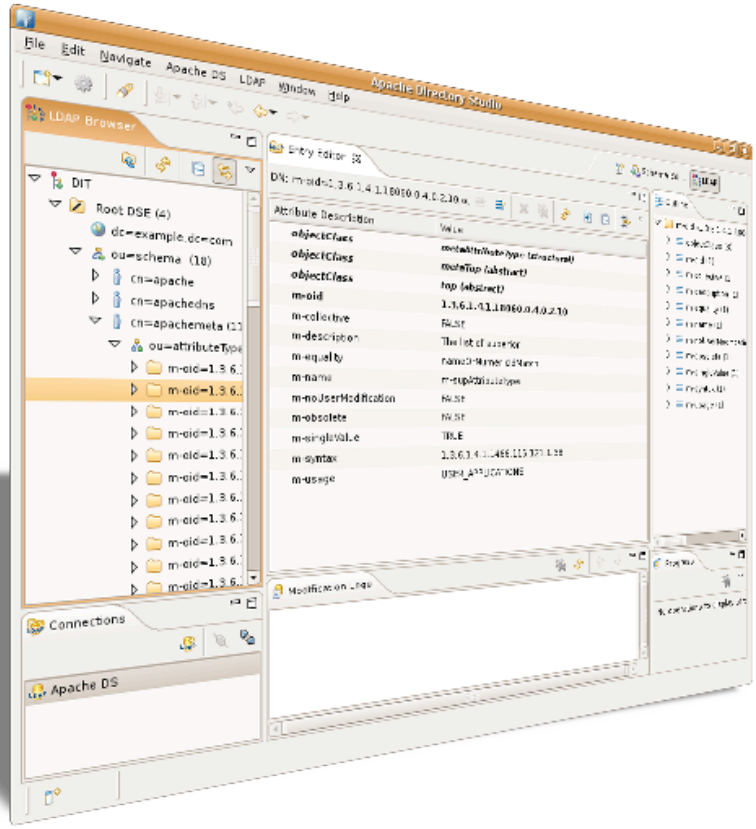
Schema Editor Plugin

Demo



Future works

- Improvements of existing plugins
- Plugable interface for Schema Editor to work with other directory servers
- Trigger Editor for Apache DS
- Stored Procedure Editor for Apache DS
- Queue Editor for Apache DS
- Metrics Plugin for Apache DS
- Etc.

Apache Directory Community

- Young and growing open community
- More than 13 active committers from all over the world (USA, Germany, France, Turkey, England, Korea, etc.)
- If you're interested in, get involved!

Links

- Website
  - http://directory.apache.org/studio/
- Download
  - http://directory.apache.org/studio/downloads.html
- Update Site for Eclipse
  - http://directory.apache.org/studio/update/1.x
- Mailing lists
  - Development mailing list: dev@directory.apache.org
  - Users mailing list: users@directory.apache.org
- Issue tracking
  - http://issues.apache.org/jira/browse/DIRSTUDIO

Questions

&

Answers