



# THE FUSIONIAM INITIATIVE

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# Identity and Access Management

- Identity Management:
  - Account creation and deletion (lifecycle management)
  - Provisioning into Information System
  - User self services (account edition, password change, ...)
  - Identity reconciliation
- Access Management:
  - Give permissions to users
  - Apply authorizations
  - Audit access

# IAM market

Figure 1. Magic Quadrant for Access Management, Worldwide



Source: Gartner (June 2018)

- Market hold by big closed source editors
- Mostly american companies
- Sofwares with many features but often complex to install and administrate
- Licence fee per user

# IAM in Open Source

- A lot of Open Source products already exist but:
  - They cover only a subset of IAM features
  - They don't integrate easily each others, even if they respect standard protocols
- The FusionIAM initiative has choosen some of these products and propose to ship them as a unified platform

# FUSION IAM

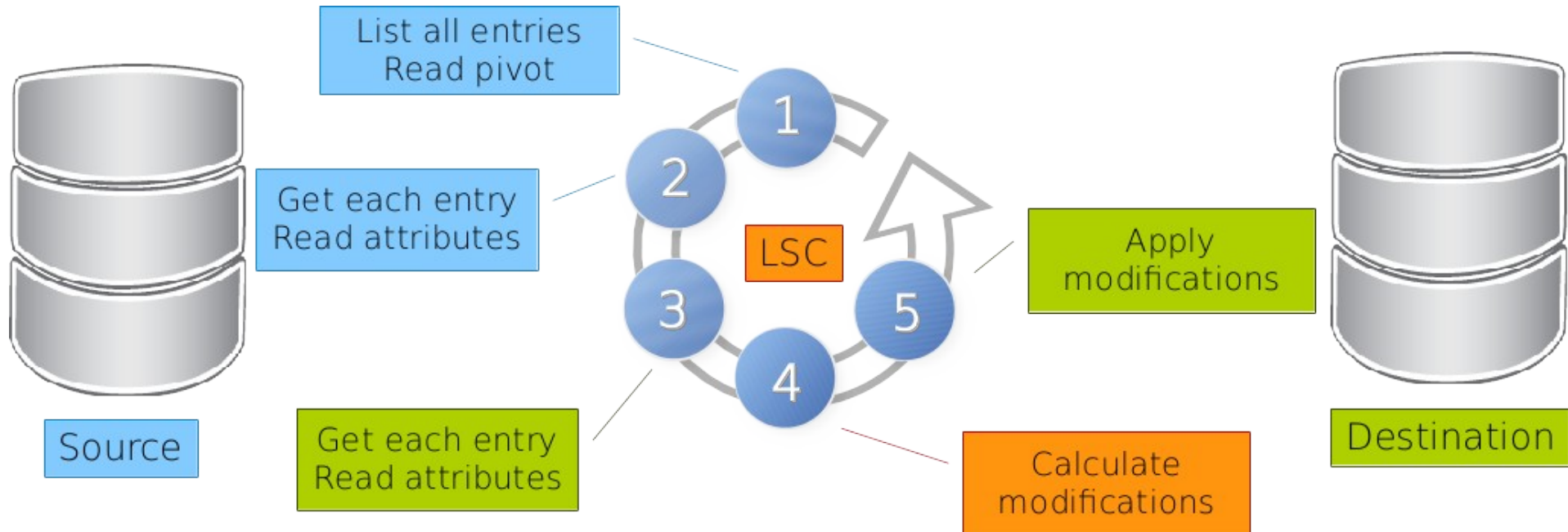


# LDAP Synchronization Connector



- BSD License
- Java
- RPM or Debian packages
- Data synchronization between:
  - LDAP directories
  - Active Directory
  - Databases
  - Flat files
  - API

# LDAP Synchronization Connector



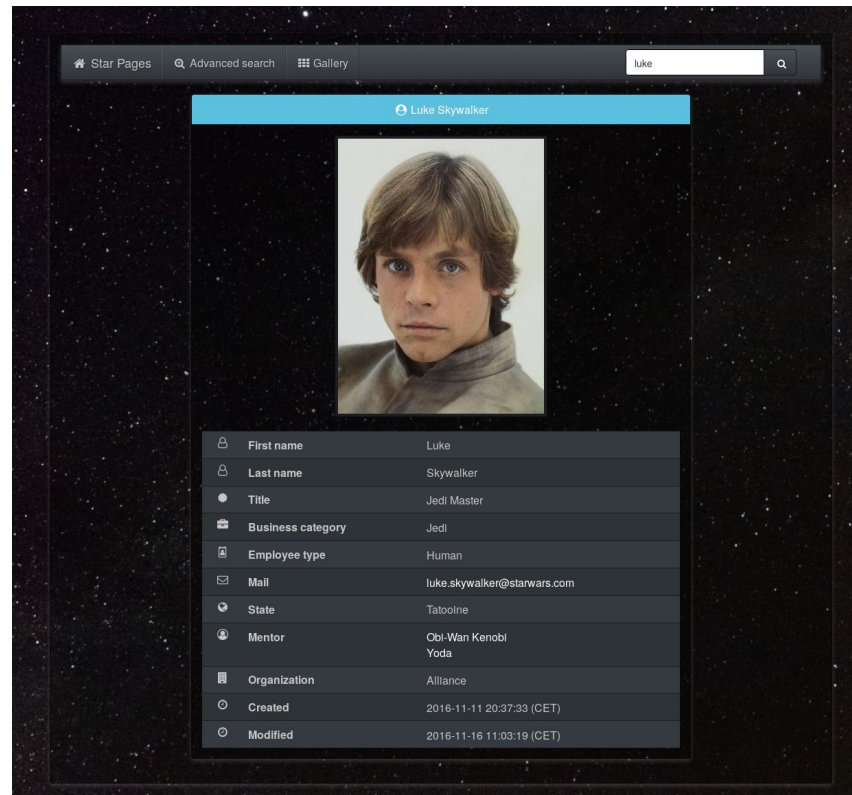
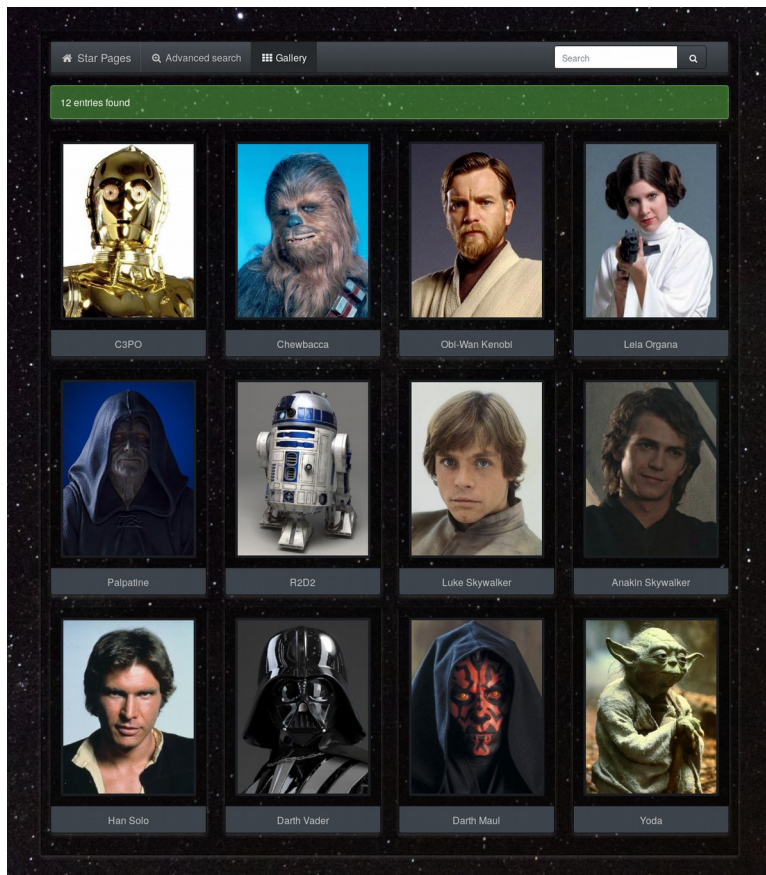
# LDAP Tool Box White Pages



- GPL License
- PHP
- RPM or Debian packages
- Read-only access to LDAP data (users and groups)
- Gallery and advanced search form



# LDAP Tool Box White Pages



# Fusion Directory



- GPL licence
- PHP
- RPM or Debian packages
- Manage LDAP entries:
  - Users
  - Groups
  - Devices
  - Service accounts
  - Organizations
  - Roles

# Fusion Directory

FUSION DIRECTORY [Main](#) [Sign out](#) Welcome dufour paul! Signed in: admin

- Users and groups**
  - Departments
  - Users
  - Groups and roles
  - NIS Netgroups
  - Aliases
  - ACL roles
  - ACL assignments
  - Supann structures
  - Sudo
  - EJBCA
  - DSA
  - Applications
- Systems**
  - Systems
  - DNS
  - Auto fs
  - FAI
  - Debconf
  - Repository management
  - OPSI
  - Deployment queue
  - Samba domains
  - SOGo
- Configuration**
  - Configuration
  - GPG server info
  - LDAP import/export
  - OPSI import
- Reporting**
  - Dashboard
  - Inventory objects
  - Audit
- My account**
  - User
  - Unix
  - Personal

**Users and groups**

- Departments
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**Systems**

- Systems
- DNS
- Auto fs
- FAI
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- Repository management
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- Deployment queue
- Samba domains
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**Configuration**

- Configuration
- GPG server info
- LDAP import/export
- OPSI import

**Reporting**

- Dashboard
- Inventory objects
- Audit

**My account**

- User
- Unix
- Personal
- Mail
- Samba

# OpenLDAP



- BSD License
- RPM and Debian packages from LDAP Tool Box project
- LDAPv3 compliance
- High performances
- Password policy
- Standard and virtual directories

# LemonLDAP:NG



- GPL License
- Perl/JS
- RPM or Debian packages
- Authentication portal
- Application Menu
- CAS/SAML/OpenID  
Connect protocols
- Access control based on  
rule engine  
(RBAC/OrBAC/ABAC)

# LemonLDAP:NG


The screenshot displays the LemonLDAP:NG user interface. At the top, a green bar indicates "User authenticated". Below this is a navigation bar with icons for "Your applications", "Password", "Login history", and "Logout", along with the text "Connected as coudot". The main content area is divided into two sections: "Sample applications" and "Documentation".

**Sample applications**

- Application Test 1**  
A simple application displaying authenticated user
- Application Test 2**  
The same simple application displaying authenticated user

**Documentation**

- Local documentation**  
Documentation supplied with LemonLDAP:NG
- Official Website**  
Official LemonLDAP:NG Website

Service provided by  LemonLDAP:NG free software covered by the GPL license.

# FusionIAM project status

- Website: <https://fusioniam.org/>
- Forge: <https://gitlab.ow2.org/fusioniam/fusioniam>
- Mailing lists:
  - <https://mail.ow2.org/wws/subscribe/fusioniam-users>
  - <https://mail.ow2.org/wws/subscribe/fusioniam-dev>
- Roadmap for version 1.0:  
<https://gitlab.ow2.org/fusioniam/fusioniam/-/milestones/1>






**THANKS FOR YOUR  
ATTENTION**

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