



LDAP SYNCHRONIZATION CONNECTOR

CW2 online '20



LDAP Synchronization Connector

Identity Management

Identity Lifecycle

Account
creation



Account
deletion



Information
update



LDAP Synchronization Connector

Free Software



- Written in Java
- License BSD
- OW2 project since 2019
- Code: <https://github.com/lsc-project/>
- Site: <https://lsc-project.org>
- Component of FusionIAM project: <https://fusioniam.org/>

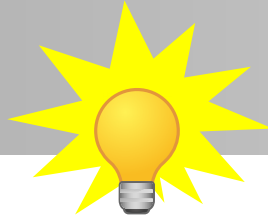


Main features



- Data synchronization between Identity Warehouses
- Connections to LDAP directories and SQL databases
- Special functions for Active Directory
- Plugins engine, for example: executable plugin (run scripts)
- Scripting engine for rules (javascript, groovy)
- Dry run mode
- Planned or real time synchronization

Real use case examples



- Synchronize HR database with enterprise LDAP directory
- Synchronize OpenLDAP and Active Directory accounts and groups
- Transform dynamic groups into static groups
- Synchronize internal identities with cloud API

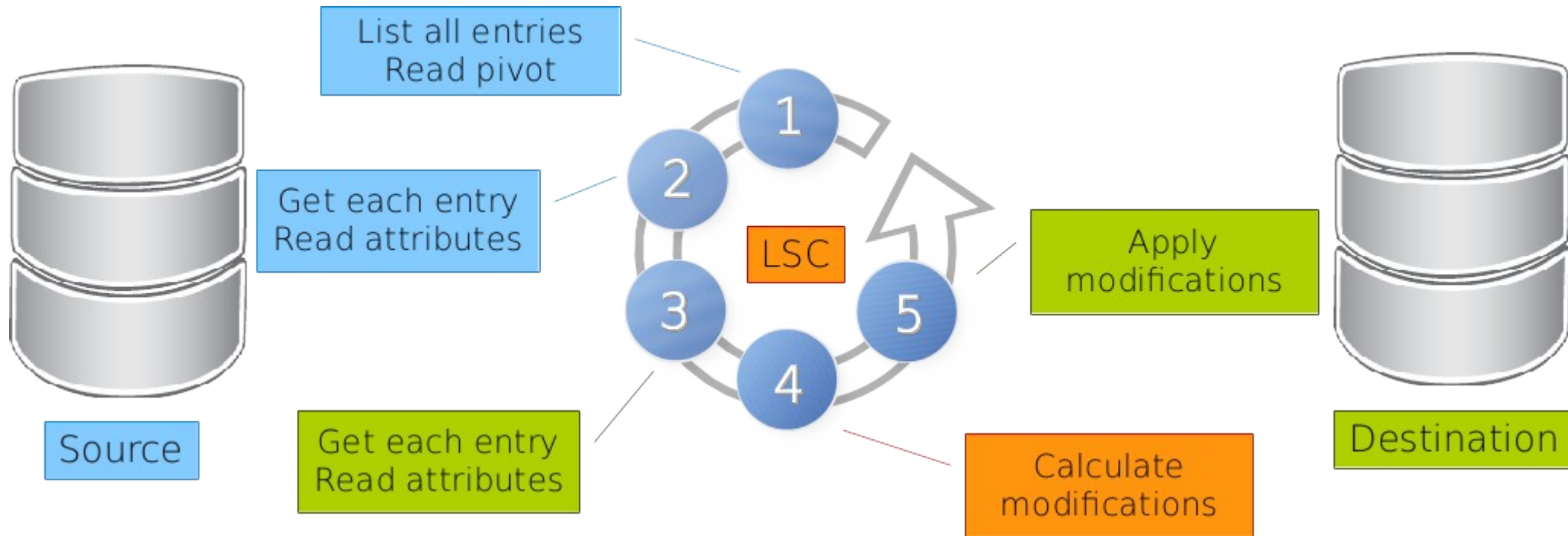
How it works

Configuration

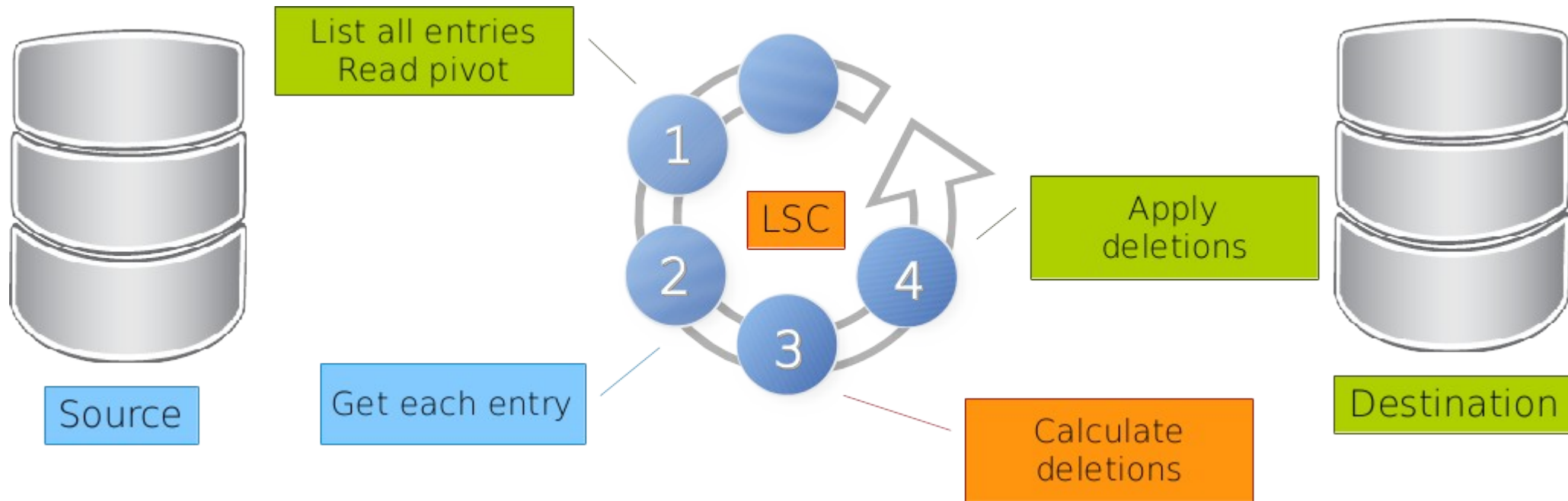


- Main configuration: lsc.xml
 - Connections
 - Tasks
 - Synchronization rules (datasets)
- Log configuration: logback.xml
- Database queries configuration: iBatis SQL map files

Sync phase



Clean phase



Sample dataset script

```
<dataset>
  <name>member</name>
  <policy>FORCE</policy>
  <forceValues>
    <string>
      <![CDATA[rjs:
        var membersSrcUid = srcBean.getDatasetValuesById("memberUid");
        var membersDstDn = new java.util.ArrayList();
        for (var i=0; i<membersSrcUid.size(); i++) {
          var memberSrcUid = membersSrcUid.get(i);
          var dn = "uid=" + memberSrcUid + ",ou=users,dc=example,dc=com";
          membersDstDn.add(dn);
        }
        membersDstDn
      ]]>
    </string>
  </forceValues>
</dataset>
```

Want more?

Useful links



- Online documentation:
<https://lsc-project.org/documentation/latest/start>
- Tutorials:
<https://lsc-project.org/documentation/start#tutorial>
- OW2 project page:
<https://projects.ow2.org/view/lsc/>
- Source code:
<https://github.com/lsc-project/>
<https://gitlab.ow2.org/lsc>



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