GeoRepository – LDAP Proposal
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Ing. Alessio Fabiani

GeoSolutions S.A.S.

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Contents

GeoSolutions S.A.S

Via Carignoni 51
55041 Camaiore (LU) Italy
Tel: +390584983027 Fax: +390584983027
http://www.geo-.solutions.it
info@geo-solutions.it

E-GEOS
GeoRepository

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Introduction

This document aims to be a proposal for an LDAP tree or schema to be used by GeoRepository.

We would like here to give an high level idea on the way GeoRepository will use LDAP backends in order to acquire information on users' credentials and rights.

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GeoRepository concept model

Filter Profiles

GeoRepository allows an administrator to explicitly define the filters and services a SGU user has been enabled to use/access on GeoServer or Web-GIS instances.

Since those filters are very specific for the single application instances (like GeoServer and Web-GIS) and only the GeoReposiroty administrator knows exactly what kind the functionalities those instances implement, is not very useful to store the filter on the LDAP tree. Therefore the idea would be to store on LDAP only users credentials and theirs roles or profiles.

Such structure allows to:

- SGU Manager to assign a generic profile to a certain user (for instance Basic, Analysis, Advanced …)
- GeoRepository Administrator to:
    o Define basic filters and properties for a certain profile
    o In case of need refine the users' security by adding more filters or properties to the specific user.

LDAP Structure

Staying on what described in the senetence above, we envisage a very simple LDAP structure like the following:

Base DN

- Groups
    o Basic
    o Analysis
    o Advanced
- Users
    o User-1
    o User-2
    o …
    o User-N

Each "**Group**" will contain a *multivalue* attribute "**member**" listing the users belonging to the former.

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