Software reuse through free and open source: Developers Italia and the Italian strategy

Leonardo Favario
leonardo@teamdigitale.governo.it
@libreme
Software reuse: The Italian Law

2005
Public Administrations are required to share their software with other administrations upon request (direct reuse).

2012
Public Administrations are required to adopt open source over proprietary software.

2016
Public Administrations are required to release their own software as open source (reuse through open source).

Mandatory release of software within Public Administrations enables reuse through open source.
The new Guidelines

A **practical tool**, but with **legal effect**, to indicate to Administrations how to fulfill the legal obligation in the most convenient way for them.

Result of a collaboration between AgID and the Digital Transformation Team.
In brief, a PA:

➔ to acquire software, it **must make a comparative assessment** of the available solutions (*development, reuse, third party open source, SaaS, licensed or a combination*);

➔ when deciding to acquire software with a license or to develop a new one it must **motivate the reasons**;

➔ **must release as open source** all new commissioned or developed software.
Development Phase

1) The PA “A” decides to develop an “Imago” software from scratch and commissions it to a developer.

2) The PA acquires the ownership of the software.

3) The PA appoints the developer to publish the source code, with an open source license, during or at the end of the development, in a code hosting tool.

4) The software is “registered” in the Developers Italia catalog.
Reuse Phase

1) The PA “B” looks for a software on the catalog and finds “Imago”.

2) The PA downloads the software and evaluates it technically.

3) The PA appoints a developer to customize it, install it, maintain it and train the PA personnel.

4) If the software has been customized it must be published inside the national catalog.
Developers Italia

A **community** of nearly 5000 *developers* writing 100% **free and open source code** to help public administrations integrate the Italian enabling platforms: SPID, ANPR, PagoPA, CIE, etc.

Open, transparent and collaborative approach: all the code is open by design. **Anyone** can help.

Currently maintained by the Digital Transformation Department.

developers.italia.it
The Developers Italia catalog

In each software card:

- features & roadmap
- screenshots
- forks
- maintainers
- development activity

E-Recruitment
Management of Competition Calls

The system manages all the phases of a public call, from the publication, to the presentation of the application.

Published by:
Consiglio Nazionale della Ricerca - CNR

Technical contact:
Marco Spadalone

TECHNICAL DETAIL

Vitality:
76%

Development status:
STABLE

GO TO THE DOCUMENTATION →

GO TO THE CODE →
publiccode.yml

A metadata format to describe public software, in the process of international adoption

https://github.com/italia/publiccode.yml
# This repository adheres to the publiccode.YAML metadata file that makes public software.

**publiccode.YAML**

**Version:** 8.2
**Name:** django-ldap-academia-ou-manager
**Release Date:** 2019-02-18
**URL:** https://github.com/UniversitàDellaCalabria/django-ldap

**Repository URL:**
https://github.com/UniversitàDellaCalabria/django-ldap

**Application Suite:**

This key contains the name of the 'suite' to which the software belongs.

**Is Based On:**

A unique identifier for this software. This string must be a URL to the source code repository (e.g., Read more)

**License:** BSD-2-Clause
**Localisation:**
- **Available Languages:**
  - it
  - en
- **Country Extension Version:** 8.2
- **Country:**
  - IT
  - DD
  - CEE

**Maintenance:**
- **Type:** community
- **Contacts:**
  - **Name:** Giuseppe De Marco
  - **Email:** giuseppe.demarco@unical.it
  - **Affiliation:** unicai.it

**Legal:**
- **License:** BSD-2-Clause

**Description:**

- **Generic Name:** Django LDAP manager
- **Description:**
  - diario admin LDAP manager

**Development Status:**
- Stable
**Repository URL:**
https://github.com/UniversitàDellaCalabria/django-ldap
Beyond “just release”...

What about starting the development with an open-by-design approach?