

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

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DIPARTIMENTO
PER LA TRASFORMAZIONE
DIGITALE





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.

Developers Italia

**Docs Italia** beta
Public documents, made digital.

Guidelines on the acquisition and reuse of software for public administrations

Project: [Developers Italia](#)

Administration: [Italia](#)

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Guidelines on the acquisition and reuse of *software* for public administrations

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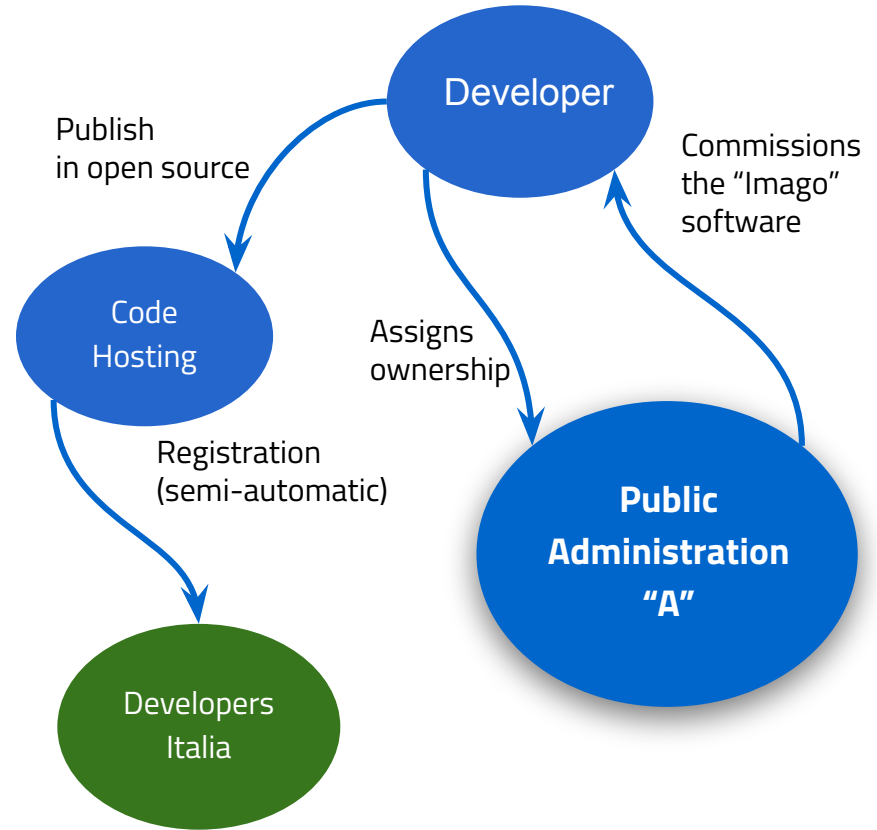


In brief, a PA:

- 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.

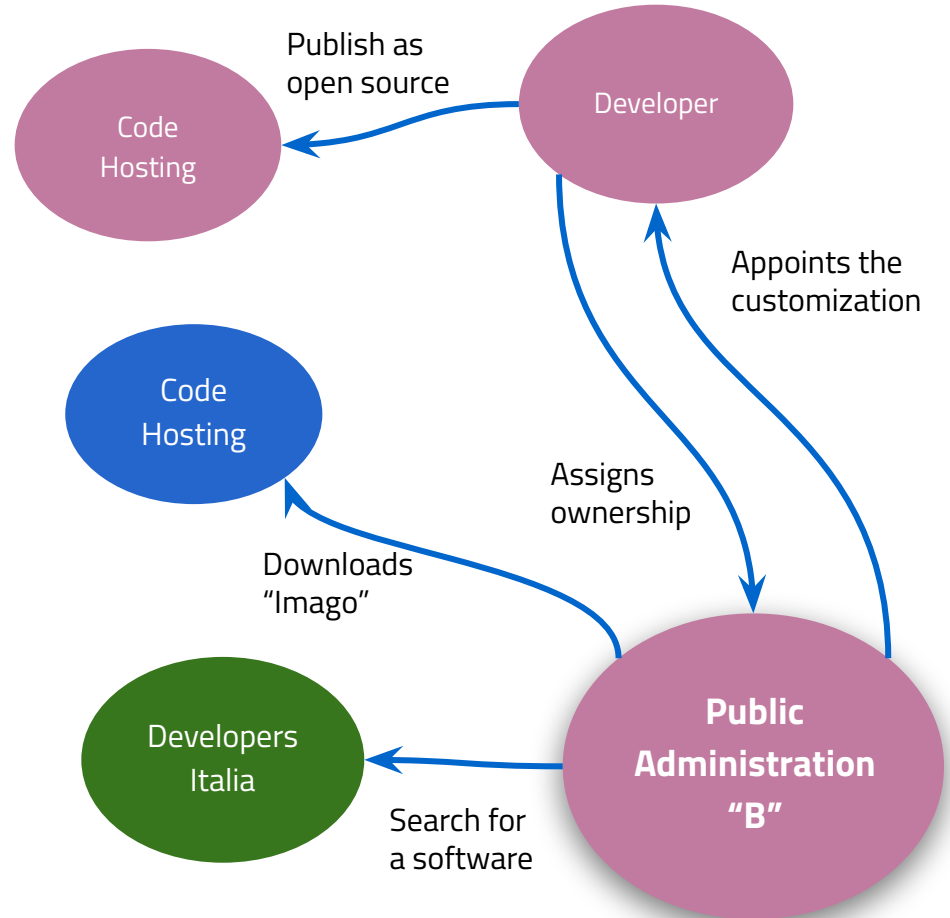
Development Phase

- 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.

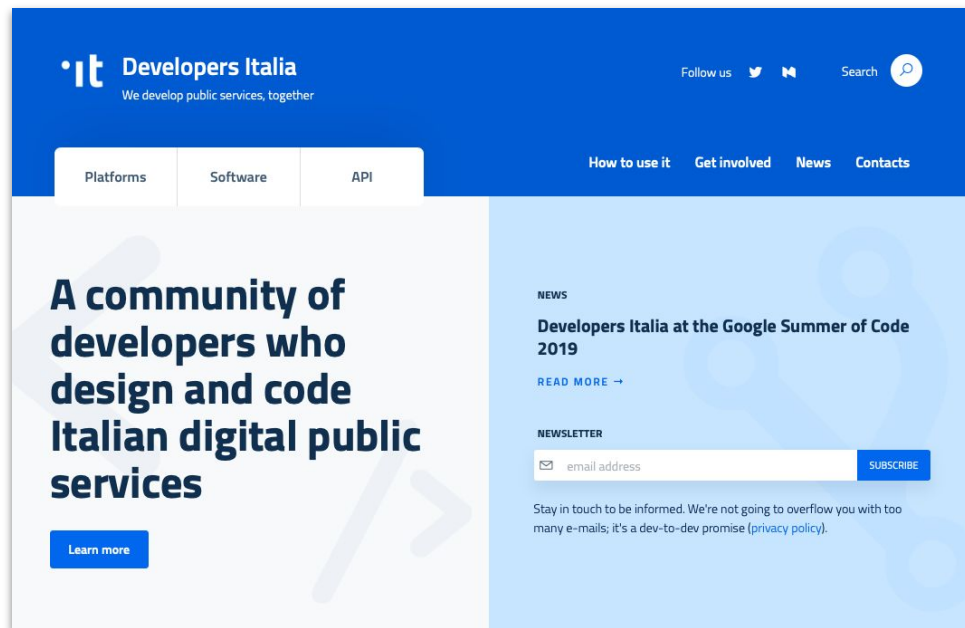


Developers Italia

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

/software



E-Recruitment

4.2.75

Management of Competition Calls

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

document management

Published by
Consiglio Nazionale delle Ricerche - CNR

Technical contact
Marco Spasiano

TECHNICAL DETAIL

Vitality:

76%

Development status:

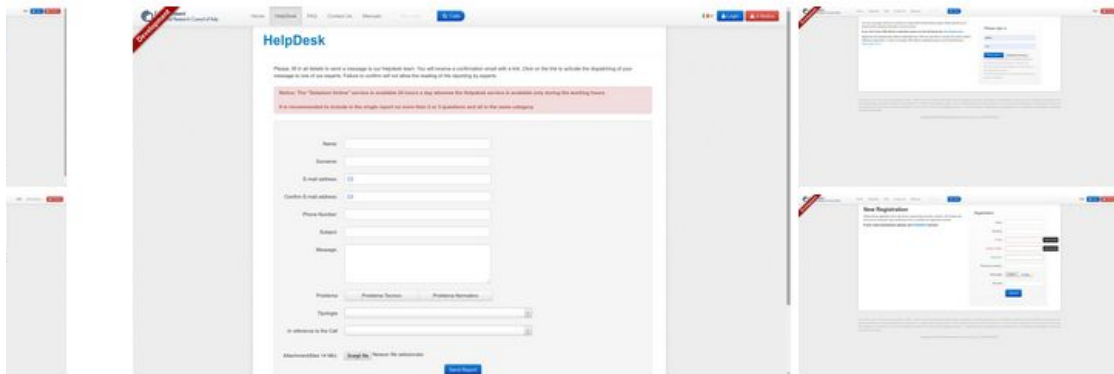
STABLE



[GO TO THE DOCUMENTATION →](#)



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CKAN for Italian Open Data

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VBG (Virtual Business Gate)

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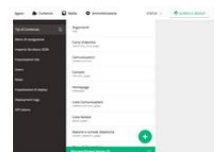
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del Territorio)

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Agave CMS

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publiccode.yml

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

<https://github.com/italia/publiccode.yml>

Developers Italia

```
name: Medusa
applicationSuite: MegaProductivitySuite
url: "https://example.com/italia/medusa.git"
landingURL: "https://example.com/italia/medusa"
```

```
isBasedOn: "https://github.com/italia/otello.git"
softwareVersion: "1.0"
releaseDate: "2017-04-15"
logo: img/logo.svg
monochromeLogo: img/logo-mono.svg
```

```
inputTypes:
  - text/plain
outputTypes:
  - text/plain
```

```
platforms:
  - android
  - ios
```

```
tags:
  - content-management
  - artificial-intelligence
  - museum
```

```
usedBy:
  - Comune di Firenze
  - Comune di Roma
```

```
roadmap: "https://example.com/italia/medusa/roadmap"
```

```
developmentStatus: development
```

```
softwareType: "standalone"
```

it ✕

[+ Add Language](#)

^ 1. Main information

Name of the software *

django-ldap-academia-ou-manager

This key contains the name of the software. It contains the (short) public name of the product, whi... [Read more](#)

Release Date *

2019-02-18

This key contains the date at which the latest version was released. This date is mandatory if the ... [Read more](#)

Repository URL *

https://github.com/UniversitaDellaCalabria/django-ldap

A unique identifier for this software. This string must be a URL to the source code repository (git... [Read more](#)

Application Suite

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

Is Based On

[Reset](#)[Validate](#)

File YAML

```
# This repository adheres to the publiccode
# metadata file that makes public software
# More info at https://github.com/italia/p
```

```
publiccodeYmlVersion: '0.2'
name: django-ldap-academia-ou-manager
releaseDate: '2019-02-18'
url: 'https://github.com/UniversitaDellaCa
developmentStatus: stable
landingURL: 'https://github.com/Universita
softwareType: standalone/web
platforms:
  - linux
categories:
  - accounting
maintenance:
  type: community
contacts:
  - name: Giuseppe De Marco
    email: giuseppe.demarco@unical.it
    affiliation: unical.it
legal:
  license: BSD-2-Clause
localisation:
  localisationReady: no
  availableLanguages:
    - it
it:
  countryExtensionVersion: '0.2'
riuso:
  codiceIPA: unical
description:
  it:
    genericName: Django admin LDAP manager
```



Beyond “just release”...

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



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Images from unsplash

