How the City of Paris committed to Open Source

Public administrations adapting to the OSS development culture

PARIS

A long-standing commitment to Open Source
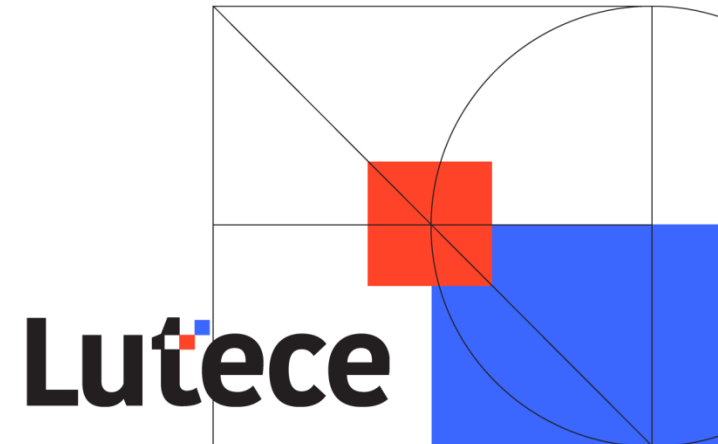
As far back as Lutece was built

The City of Paris has developped in house its signature city services engine since 2002

1. **A City Services Engine that provides**

   · A modular platform based on lightweight *core* features, on which we can add the needed functionalities through the use of plug-ins

   · A solution based on <u>real needs</u> over time, in constant evolution

   · 300+ city services, 500+ plug-ins offered with a normed development framework

2. **An Open Source Platform for Cities**

   · Made in Java EE, enabling quick deployment of city services based on standards

   · Secure, GDPR compliant

   · Offering solutions commonly needed in a municipal context

   - A Citizen Relationship Management System (also reused internally for civil servants)

   - A powerful workflow engine enabling specific actions for business apps

PARIS

An Open Source Policy

Brought and sponsored by Elected Officials

300+ digital services in Paris held with Lutece

1. **Make the e-administration easy**

   · Easily administrable content by non-techs (CMS)

   · Easy to reuse/adapt Form generator, Appointment booking system, tax simulator, etc.

   · « Tell us once » - Innovative ID management using France Connect (based on OpenIdConnect)

   · Single sign-on enabled with the CRM. The citizen data being protected by a provider

   · A centralized citizen dashboard that gathers all the digital administrative procedures and their states

2. **Help people get involved in the City**

   · Participatory Budget, public consultations, Street problems reporting system, submit or express ideas through a suggest platform…

   · Open Source as a way to enhance trust between the Citizens and the Administration

Benefits from Open Source identified and sustained

The City of Paris as an OS user, contributor and provider

1. **We foster the use of Open Source whenever possible**

   · Application servers, DBMS, authentication systems, ESB implementation…

2. **We contribute to Open Source projects when needed**

   · The city co-founded Open Source projects and contributes to their roadmaps

3. **We open all our developments made on the Lutece framework**

   · Lutece used in all operational departments of the City

      - Quick way to develop the elected officials engagements, used as onshelf apps

   · Reused by other cities and companies in France and across the borders

      - City of Lyon, and many other cities/institutions in France in many different ways…

      - St Francis Center, Baltimore – provides services for communities

      - Budapest, Hungary – Reuse and contributions to OpenPB (participatory budgeting)

The choice of a facilitated adoption

Key good practices to foster the reuse of Lutece

1. **A licence chosen to make it easy to reuse and hack, not to protect our codebase**

   · Public money should fund public code, right?

2. **A controlled quality of code**

   · The development framework defines naming and coding rules

   · A very useful plugin wizard

   · PR-based upstream commits, online documentation and MOOC

3. **A development culture deeply rooted in its application**

   · The culture of standardization in the architecture and development team

   · All functionalities added as plugins, modules, add-ons, or options

   · The core project streamlined as much as possible, while covering all recurring features

   · A modular architecture to easily set up a BO app, a FO portal, or a WS-based microportal

A long-term effort

Adopting a collaboration culture

1. **Awareness of Lutece more broadly**

   · Many awards won: OW2 Best project Community 2020, Best OS Strategy in 2018, Territoria, Free Digital Territory, Human Capital Leaders, OW2 mature project in 2016…

   · Lutece featured at John's Hopkins University « Hophacks fall 2018 » for 1st-time civic track

2. **An Open Source Policy to maintain**

   · Board member of the OW2 consortium, and member of French FOSS Associations

   · Participation in the OSPO++ workshops for more than a year

   · Open Source City Forums held in Paris

   · Expertise from the Bloomberg Associates

   · Working w/ MossLabs for external OS positioning and consulting

3. **A community management yet to be improved**

Thank you

Let's connect!

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Lutece

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