Using OSS to create an Open Accessible Digital Workspace

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Me – Sébastien Lemay

- FOSS User and Advocate
- Sysadmin, Developer, Strategic Partnerships
- @smellems
- DND, PCH, ..
Treasury Board of Canada Secretariat (TBS)

- Chief Information Officer (CIO) Branch
  - Set standards for GC IM-IT and Digital
  - Office of the Chief Technology Officer (CTO)
    - Digital Collaboration Division (Digital Workspace)
    - Enterprise Architecture
  - Open Government, OneGC, ..
- Minister of Digital Government
- CIO : Open by Default
DCD = GCTools

- Started 2008
- Interdepartmental Collaboration Tools
  - Colleagues, Groups, Blogs, Discussions, Pages, ...
- Enable internal communities
- GCpedia and GCconnex
  - MediaWiki and Elgg
- Work in the open - Agile dev and UX team
- Digital Collaboration Division

https://github.com/gctools-outilsgc
The GCTools

GCconnex
- Networking
- Collaborative workspace
- Groups
- Opportunities platform
- Information Sharing

GCpedia
- Knowledge sharing
- Collaboration and co-creation
- Subject matter experts across all of government

Gcintranet
- Authoritative, central communication channel to reach all public servants.

GCdirectory / GCannuaire
- Internal directory of all federal public servants

GCcollab
- Connecting public servants with academics and students from all Canadian universities and colleges
Based on GCconnex
Started 2016

Open (External to GC)
- Students & Academics
- Public Administrations
- Invitations

Part of new Open Accessible Digital Workspace
• Large internal communities (GCconnex)
  – 1000+ OSS Group members
• Data, Agile & DevOps
• Going External (Gccollab)
  – 30 000+ registered users
• Digital Collaboration Division
  – Open Accessible Digital Workspace
  – $$
Digital Government

• New (first) Minister of Digital Government
• Great government services
  – Any service; Any platform; Any device; Any partner
• Improve the lives of citizens.
  – User-centric design - shape services to their needs
  – Agility - try new things, to learn as you go
  – Working in the open - the more you share, the more you gain
What’s the problem?

The world is a network; government is a silo

- The world is changing faster than ever
- No single sector, organization or nation has the skills, knowledge and capacity to resolve today’s problems or opportunities
- By purchasing, building & working in silos, we waste resources, duplicate work and create barriers to working together

We need to do better
Imagine a future where we can

- Work and co-create across sectors
- Find, recruit & nurture talent
- Create an open, inclusive & diverse digital public space
- Build once and share the benefits
- Increase value and reduce costs
Open Accessible Digital Workspace

A public space for the digital age

- Suite of integrated, multilingual & accessible tools
- Based on FOSS and open standards, the workspace connects people to each other and the information they need to work better
- By funding & contributing to new & existing open source projects, we can raise the bar for everyone
- By building together, we can create a diverse and inclusive space for all voices
- Free to use, re-use and free of advertising, forever.
Existing Services

Concierge (account)
https://account.gccollab.ca

GCcollab (collaboration)
https://gccollab.ca

Wiki (knowledge)
https://wiki.gccollab.ca

Message (instant messaging)
https://message.gccollab.ca
Concierge

- https://github.com/Project-Meerkat/concierge
- Account Service - Simplified Sign-On
- Python Django Pyoidc
- Collaboration with the Netherlands (Pleio)
Message

- Instant Messaging Service
- JavaScript, using the [Meteor](https:// meteorjs.com) framework
- Mobile Apps (Android & iOS)
Open Source Software

- Elgg
- Mediawiki
- Etherpad
- Rocket.Chat
- Wekan
- LimeSurvey
- Matamo
- d3
- ...

- Docker
- Kubernetes
- Jenkins
- Python Django
- React
- GraphQL
- ...

- d3
- ...

- docker
-...

- matamoo
Our Roadmap

- 2018 - 2019
  - Services
    - Profile (your information)
    - Kanban (projects & tasks)
    - New Collab (collaboration)
  - Design System (UI & UX)
  - Protected B Cloud