Thinking Open: A Hybrid Approach to Implementing Open GIS

November 2017
• Maximize the value of your location data
• Designed for modern IT architectures
• No credits or named user accounts
• Work on-premise, or in the cloud
• Scale without penalty
• My background
  • GIS Technician / GIS Analyst (2000 – 2007)
  • Freelance web development, focused on mapping applications (2007-2011)
  • Project manager / jack-of-all – geospatial web applications built on open-source software (2011 – 2017)
  • Solutions at Boundless
Open Source
Open-source software (OSS) is computer software with its source code made available with a license in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose.

- Wikipedia, November 2017
[OSS] …generates an increasingly more diverse scope of design perspective than any one company is capable of developing and sustaining long term.

- Wikipedia, November 2017
Vibrant community
Fast development
Cutting-edge technology
Algorithmic transparency
Free...
Free…
as in puppy.
• Veterinarian
• Food
• Walking
• Attention

• Software updates
• Server health
• Training
• Bug fixes
• Lower total cost of ownership
  • No license fee
  • Internal expertise vs. paid support
Compatibility with modern cloud architectures and DevOps workflows
(hint: it’s all Linux-based)
Browser / Mobile
Clients

Desktop Clients

Map / Application
Servers

Database / Storage Servers

Big Data / Cloud
Servers

Boundless

Our World is Open

Open | Scalable | Flexible | Affordable

boundlessgeo.com
Boundless Encourages Hybrid Architectures

User Interface
- Desktop
  - Boundless Desktop
  - ArcGIS Desktop

Browser
- WebSDK
  - Leaflet

Mobile
- MobileSDK
  - ArcGIS Collector

Server/Cloud
- Boundless Server

Database/Server
- Boundless Server

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Database
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Server
Big Data
Open Data
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Programming
So many more…
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