



Collaboration, Innovation and Resilience: Championing a Digital Generation

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Software as a Service and Web Editing for Fit-For-Purpose Land Administration

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What is Software as a Service (SaaS)?

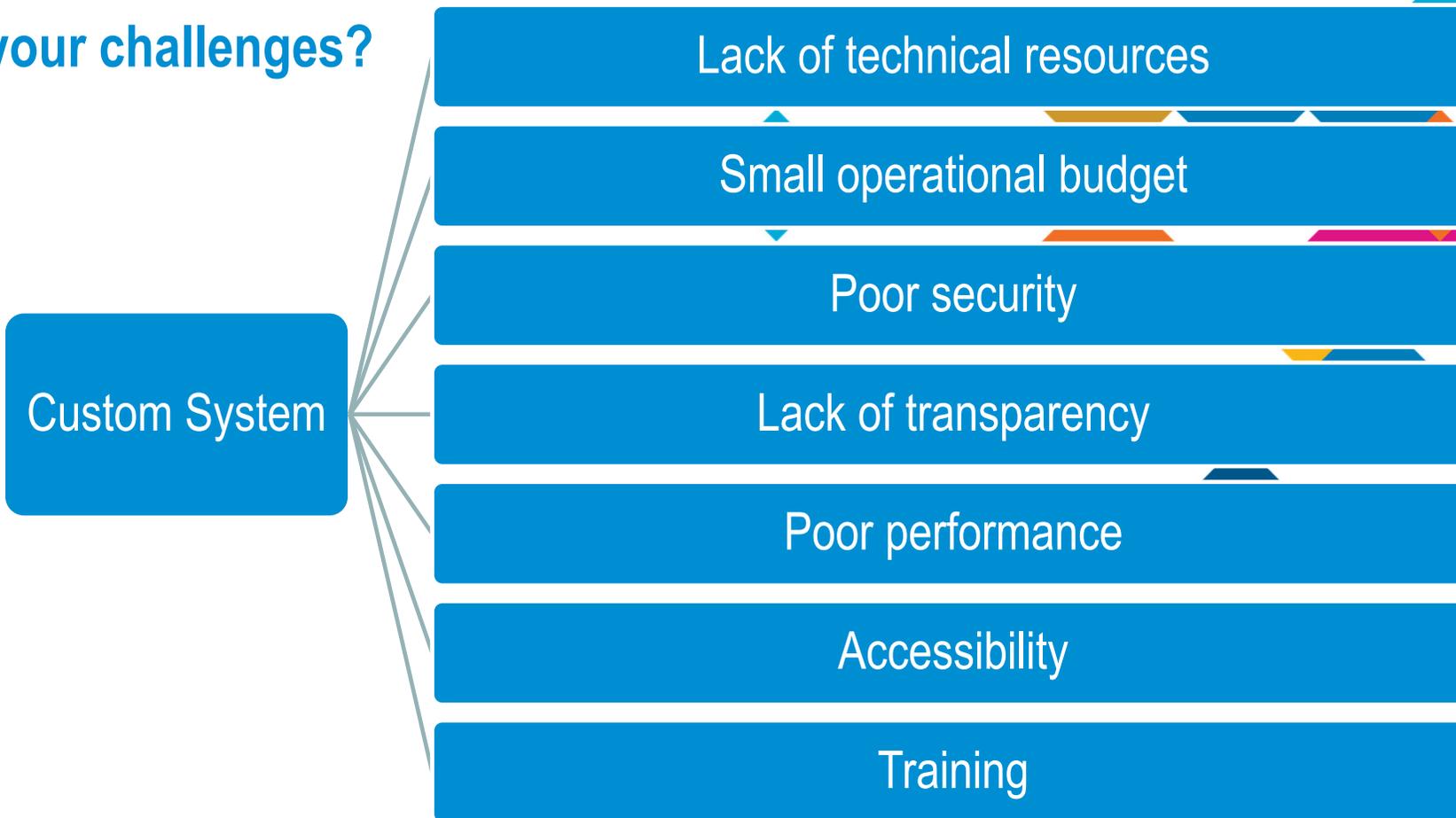
Cloud computing service model where the provider offers use of application software to a client and manages all needed physical and software resources



Why SaaS?

- **Accessibility:** Ability to run via an internet browser 24/7 from any device
- **Operational Management:** No installation, equipment updates or traditional licensing management
- **Cost Effective:** No upfront hardware costs and flexible payment methods such as pay-as-you-go models
- **Scalability:** Easily scale a solution to accommodate changing needs
- **Data Storage:** Data is routinely saved in the cloud
- **Analytics:** Access to data reporting and intelligence tools
- **Increase Security:** SaaS providers invest heavily in security technology and expertise

What are your challenges?



SaaS Web Editing for Parcels

A **LITE** deployment for users who want to edit parcels in the web but do not need the full set of enterprise geodatabase capabilities such as:

- No branch versioning
- No REST API
- No centralized topology management
- No 3D Cadastre capabilities (future)
- Not on Premise

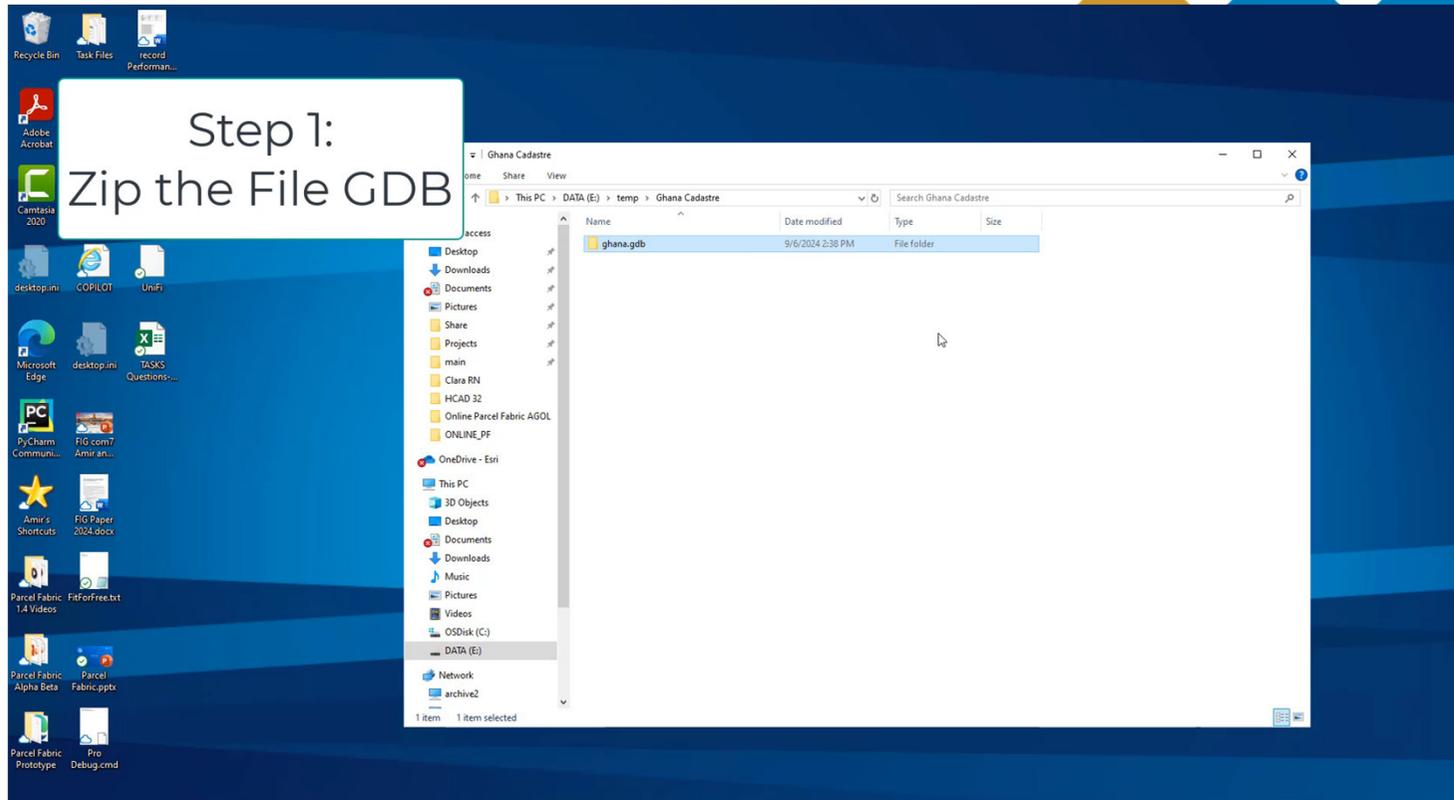


SaaS Web Editing for Parcels

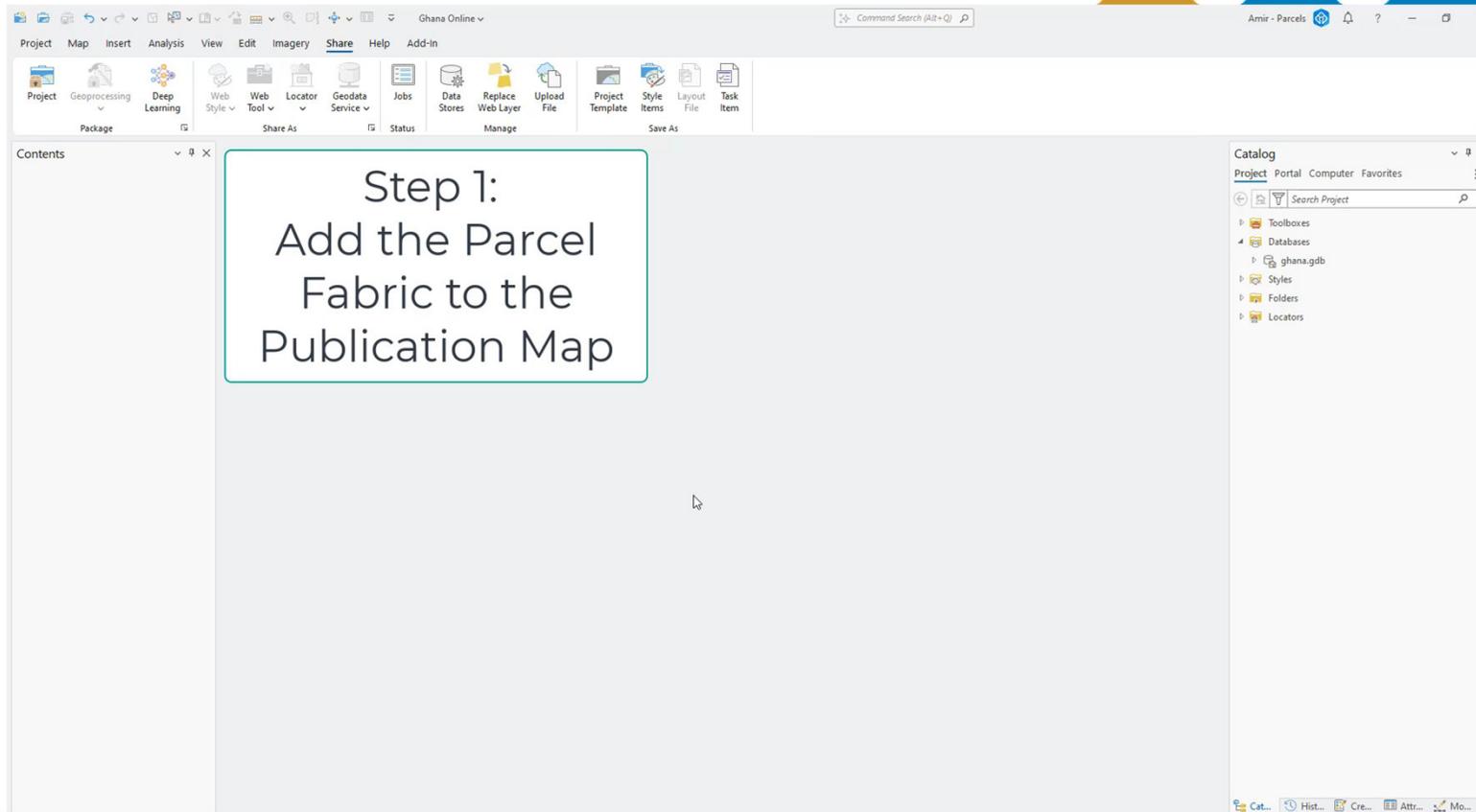
- SaaS
- Easy to deploy
- Uses smart clients to maintain topological integrity



SaaS Web Editing for Parcels

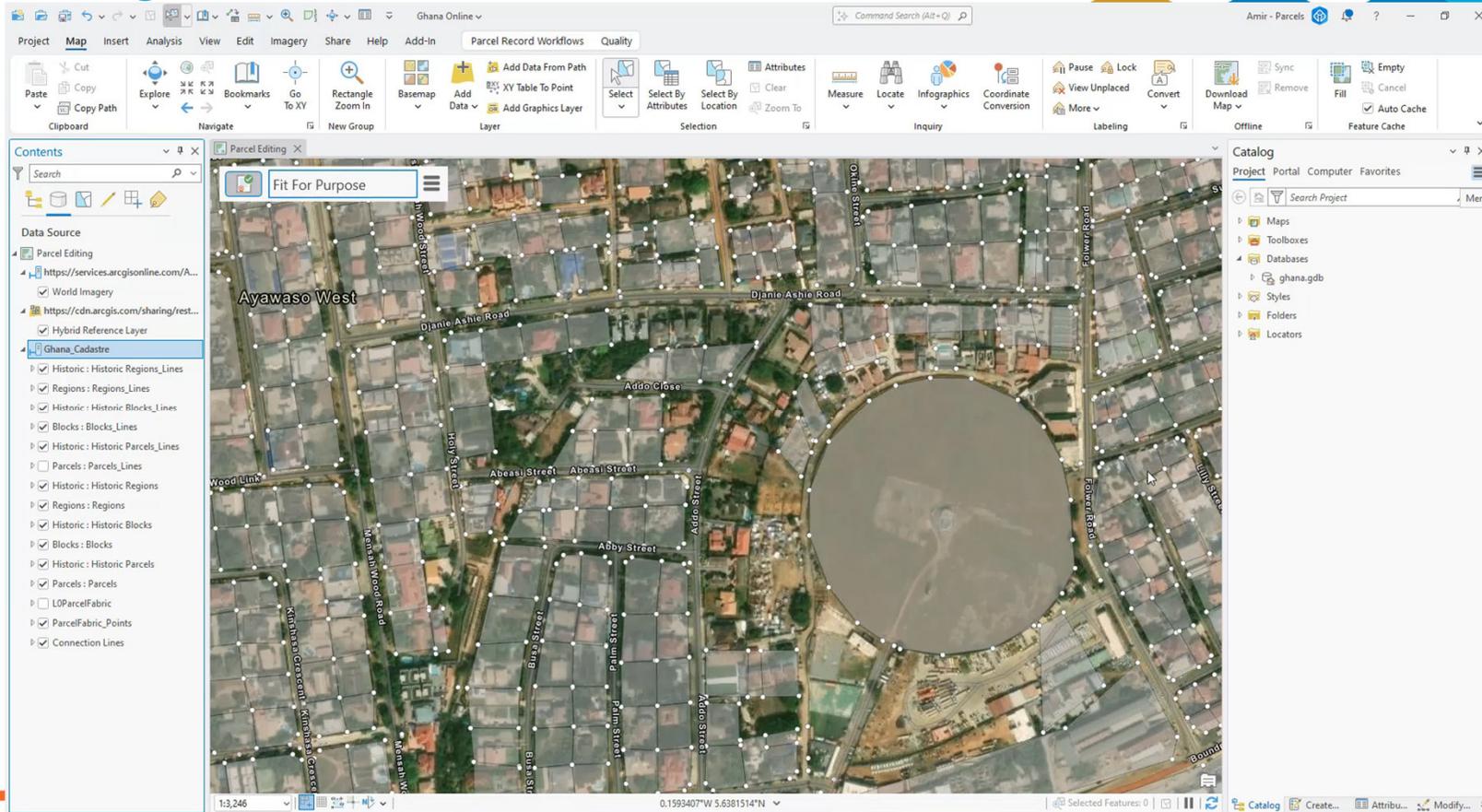


SaaS Web Editing for Parcels



The screenshot displays the ArcGIS Online web interface. A central text box with a green border contains the instruction: "Step 1: Add the Parcel Fabric to the Publication Map". The interface includes a top menu bar with options like Project, Map, Insert, Analysis, View, Edit, Imagery, Share, and Help. Below the menu is a toolbar with various icons for project management, data handling, and editing. On the right side, there is a 'Catalog' panel showing a tree view of project resources, including 'ghana.gdb', 'Styles', 'Folders', and 'Locators'. The main map area is currently blank.

SaaS Web Editing for Parcels



Who will not use this deployment?

- Need the full set of capabilities:
 - Branch versioning
 - Geodatabase topology
 - Attribute Rules
 - ...
- Require the cadastral data to be 'within' the country borders or 'on premise'
- Already have Enterprise GIS



The most relevant SDGs related to the presentation and theme of this session

1st relevant SDG



15 LIFE ON LAND

2nd relevant SDG



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

3rd relevant SDG



11 SUSTAINABLE CITIES AND COMMUNITIES

SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals