

GEOSPATIAL CONTENT MANAGEMENT, SHARING, AND DISCOVERY – A POWERFUL PLATFORM FOR GEOSPATIAL CONTENT AND APPLICATIONS

Boundless Exchange™ is a geospatial content management system for making and sharing maps, facilitating collaboration across your organization. An intuitive interface allows non-developers to easily facilitate collaboration with a powerful, web-enabled engine.



COLLABORATE ACROSS THE ORGANIZATION, AND BEYOND

Boundless Exchange is designed as a platform for collaboration. Users can get involved quickly and efficiently. Communal editing functions and standards-compliant services enablement allow users to crowdsource information in an online, powerful, distributed architecture with across environments.

Workflows using versioned or non-versioned data can bring the power of GIS tools to everyone who wants to contribute. You control the project and data, while your team—and the greater community—provides the knowledge.



INCREASE EFFICIENCY

View location data edits and submissions made from desktop, web, or the Boundless Anywhere mobile app, in real time, to make faster decisions for mapping, analysis, and reporting.

Building, managing, and sharing data collections, maps, and apps should be easy. Exchange is designed from the ground up with ease of use in mind – a living platform that evolves with your business. Managers and GIS analysts can now create and publish geospatial content without involving a developer. Quickly add communities, discussions, and collaboration as events change and priorities shift.



CUSTOMIZE

Our extensible architecture lets you integrate other business applications into your geospatial activities, using your own tools, applications, and brand. Integrating Exchange into existing applications is simple – yet dramatically increases productivity.



HARVESTING YOUR DATA

Exchange includes powerful capabilities to search and retrieve all geospatial services, and enables you to quickly find and connect to any geospatial data catalog anytime, anywhere. Exchange can be your search engine managing proprietary and standards-based service endpoints and more.



VISUALIZATION

Whether it's maps, charts, or reports, you decide how best to bring your data to life. Using Exchange, you can mash-up data sets and map layers, then analyze results to see trends and patterns. When changes are made, view critical data on an integrated, dynamic map as changes happen.



HYBRID ARCHITECTURES

Exchange, as part of a hybrid deployment strategy, allows you to migrate at your own pace, preserving existing resources. Exchange can catalog and display proprietary services alongside open source services. Exchange is built on the use of standards-compliant services, interoperability is built in as you migrate to open solutions and phase out closed, proprietary systems. This holds true at the database, application server, and user interface tiers. Exchange can act as the entryway, or portal, for your organization's geospatially enabled information.



BUILD YOUR LOCATION INTELLIGENCE DATABASE USING ANYWHERE

Use Boundless Anywhere, our iOS and Android application, to mobilize your workforce. Collect imagery and data to increase the availability, richness and value of your location data and make better business decisions. Build a base of data and imagery in Exchange to better manage field asset inventory, ground-truth an existing GIS dataset, or respond to changing conditions and events as they unfold.

FEATURES

Data upload and management

- Upload many different GIS file types including shapefiles, geojson, json, csv, geopackage, geotiff, kml, and jpeg2000
- Upload many non-GIS file types for location-linking and geospatial reference including images, spreadsheets, text documents, pdfs, presentations, and file archives
- Add and harvest existing proprietary and open standards-based GIS services to your Exchange search catalog
- Granularly control access and permissions for a specific user or with custom groups

Map rendering and styling

- Support for premium Mapbox basemaps
- Also support all XYZ, OSM, and MapServer basemaps
- WYSIWYG map and layer styling
- Create maps, grouping any layers and documents you choose from your search index

Authentication

- Login using your organization's existing authentication systems, including LDAP, Active Directory, or OAuth

Data Editing

- View and edit point, line, and polygon geometries and attributes
- Filter data sets with basic or advanced queries
- Create heatmaps from data sets with a single click
- Create maps from independent layers
- Spatially filter information within a layer with geometries from another layer

Data search and discovery

- Filter by text, category, type, host, keyword, service protocol, owner, date, and bounding box, by default
- Configurable filters for your organization-specific metadata

Tie non-GIS documents or information to a location

Integration

- Search-oriented web API to integrate existing applications and websites with your Exchange data
- CSW-compliant search endpoint and OGC-compliant service allow existing GIS tools and search utilities to access your data

ENTERPRISE APPLICATION SUPPORT

Boundless Exchange is a geospatial content management, sharing, and search solution. Use it as a foundational GIS platform for custom applications. Boundless engineering and professional services teams are available to help train your developers in GIS or to undertake the customizations based on your specific requirements.

Boundless Exchange is licensed as an annual subscription, which contains access and use of the software, support and upgrades.

Boundless customers also have access to Boundless Connect, our web portal designed to provide documentation, training, help, and user collaboration for our products and services.

RESOURCES

Availability

Boundless Exchange is available for on-premise or managed service use. For more information and details on pricing, email contact@boundlessgeo.com.

ABOUT BOUNDLESS

Boundless is the leader in open, scalable enterprise-grade GIS software. Boundless empowers state and local governments, federal agencies and commercial enterprises to control the development of their GIS ecosystems and unlock the value of their location-based data to make better decisions, answer location intelligence questions and more fully understand their world. The experts at Boundless reduce the cost and time of deploying, managing and enriching the use of geospatial software with scalable, open GIS solutions – including Server™, Exchange™, Offline Tile Server™, Anywhere™, Desktop™, and Connect™. Learn more at boundlessgeo.com. Follow Boundless @boundlessgeo.



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