

MAXIMIZE VALUE. MINIMIZE COST. ACHIEVE MORE. BOUNDLESS SERVER ENTERPRISE™

Introducing Boundless Server Enterprise™ (BSE), the first cloud-native geospatial server designed to maximize the value of geospatial data in elastic and cloud environments. BSE enables server GIS deployments that scale efficiently and quickly to respond to increases and spikes in usage. Match resource curve to load curve, move closer to perfect efficiency, and get the lowest operational cost to meet demand. The result? Big savings for your PaaS infrastructure costs.

SOLID FOUNDATION. EXPERT SUPPORT.

Boundless has always supported GeoServer, the premier open source geospatial server project, which sets the standard in publishing geospatial data as OGC web services. Now, Boundless offers BSE to support the visualization and analysis of data streams, and to provide high-availability and clustering in modern, elastic architectures. BSE builds its core on GeoServer, and provides a foundation of statelessness, simplicity, and scalability.

Boundless offers commercial support and maintenance for BSE, including helpdesk access for technical support. Contracts also include access to free resources such as tutorial datasets, workshops and how-to videos, and access to learning resources inside of the Boundless Connect community.

ASSURANCE YOU COUNT ON. SIMPLICITY YOU NEED.

Traditionally, failover is handled and supported by configuring duplicate server architectures and keeping those derivatives in sync in case one goes offline. With BSE, failover can be configured across nodes in a matter of seconds, not minutes or hours – meaning true failover to provide the redundancy and assurance your enterprise needs.

BSE embraces simplicity: easier to deploy, scale, configure, and maintain. Delivered as a single, self-contained executable file, complete with common extensions bundled together, BSE can scale up or out to meet performance demands or support an unanticipated spike in user requests. The result is a geospatial server that can support millions of layers at explosive speed.

THE RESULTS

Deployments that scale efficiently can better respond to spikes in usage, resulting in big savings on your cloud provider bill. Scale up and out to thousands of server containers that are highly performant and meeting demand, providing redundancy and failover, without paying for duplicate server licenses typical of proprietary software.



BOUNDLESS SERVER ENTERPRISE PROVIDES:

CLOUD DEPLOYMENT: Use the cloud service provider of your choice for a cost-effective PaaS

FLEXIBLE ARCHITECTURE: Not limited to a single node, BSE can have multiple nodes clustered for performance and customized for specific purposes (read, write, admin, etc)

IMPROVED DATA CATALOG: Abstracts and stores the catalog in memory using Redis so multiple nodes can access it

SCALABILITY: Dynamically add worker nodes to the compute pool to accommodate increased demand

ELASTICITY: Scales in real-time based on current load to handle spikes in requests

AVAILABILITY: Easily configure redundancy to provide failover protection

SIMPLICITY: Easily deploy and configure using containerized executables with an admin service

STORAGE OPTIONS: Use the cloud for increased raster and vector data storage



BSE is available as an annual subscription, which includes use of the software assets, access to commercial premium technical support, inline upgrades during the subscription term, software patches and bug fixes, installation documentation and best practices, and basic implementation assistance. BSE is licensed on a per-configuration basis based on the size of the support instance and is not priced or limited by the number of servers or cores, meaning scaling up or out is far less costly than traditional server/core-based usage models.