We’re witnessing an explosion in geospatial data collection from a massive range of sensors—and Radiant Solutions has developed a tool to optimize that data. BlueGround is a software foundation that facilitates the rapid production of customized, cloud-ready applications for GEOINT collection requirements management, collection feasibility and multivehicle scheduling. BlueGround natively supports many common phenomenologies (e.g. EO, SAR, OPIR) as well as multi-payload space and airborne platforms. A highly modular design allows for third-party customization without baseline modifications.

Features & Benefits

- **Utilizes FOSS and GOTS libraries and components**
  - No third-party license fees
  - IC white list compliant (for multiple agencies and security levels)
- **Platform and operating system-agnostic**
  - Runs on Java Virtual Machine (JVM)
  - Cloud enabled to take advantage of available services
- **Highly scalable**
  - Distributed “managers” (horizontal)
  - Aggressive parallel processing (vertical)
- **Extensible to meet particular mission constraints and sensor configurations**
- **Internally developed analytics libraries**
- **Interfaces with many existing IC systems (including**
  - GIMS, AFWA, M2C2 and various ephemeris services)
- **Over 50 existing web-based UI components**
- **Integrated 2D and 3D visualization**
ANALYTIC LIBRARIES

BlueGround provides various physics based analytics libraries, as well as common messaging, visualization, terrain analysis, weather and data persistence service components.

CONTINUOUS AGILE DEVELOPMENT

Radiant Solutions software developers utilize a customized agile development and continuous integration process to quickly and effectively produce standalone applications or integrate specific components into larger systems.

For more information about BlueGround, contact: capabilities@radiantsolutions.com