Lumify

Open source alternative to proprietary data analysis platforms

Lumify aggregates your structured and unstructured data into a single graph-based model against which pre-built and custom-developed analytics enrich the data. Lumify's purpose-built web interface helps users analyze large quantities of data, refine the model, and collaborate on workspaces shared with colleagues in real time.

Lumify was designed with IC-ITE in mind. It works out of the box with the IC's Government Cloud and Amazon's AWS environment and can also run on most on-premise Hadoop stacks.
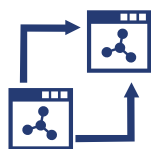
Open Source In addition to leveraging popular open source technologies like Hadoop and Accumulo, Lumify itself is also open source under the Apache 2.0 license.

Map Integration View your data geographically with map overlays. Pluggable map providers allow you to integrate your preferred GIS solution.

Graph Visualization Analyze relationships, automatically discover paths between entities, and establish new links in 2D or 3D.

Live, Shared Workspaces Organize your work into separate workspaces you can share with colleagues. Updates are pushed to everyone viewing the workspace in real-time.

Custom Ontology Use OWL to describe your data model and Lumify will tailor itself accordingly.

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