

Product Brief

Neo4j Bloom

Explore Connections. Visualize the Value.

Visualizing your data allows you to better understand relationships and their meanings. [Neo4j Bloom](#) gives both graph novices and experts the power to visually investigate and explore their graph data from different business perspectives.

Bloom's illustrative, codeless search-to-visualization design makes it the ideal interface for fostering communication between peers, managers and executives, and share the innovative work of their graph development and analytics teams.

Neo4j Bloom's Intuitive User Interface

The screenshot displays the Neo4j Bloom interface. On the left, a search bar contains the text "High risk bank account holders". Below it, a list of nodes is shown, with "Blair Drohan" selected. The main area shows a graph visualization with nodes of various colors and sizes connected by edges. On the right, a "Fraud Investigator Perspective" panel shows a list of nodes and relationships. The bottom panel shows the "Neighbors" of the selected node, with a table of properties and relationships.

Search with type-ahead suggestions

Flexible Color, Size and Icon schemes

Visualize, Explore and Discover

Pan, Zoom and Select

Property Browser and editor

Enhanced Exploration

- Look for categories, labels relationships and graph patterns with a natural type-to-search interface.
- Inspect and edit data elements including properties, relationships and adjacent neighbors.
- Customize visualizations with millions of colors and property-based styles
- Identify influential nodes, relationships and neighbors using data-driven rules for styling.
- More easily traverse complicated graphs with user-controlled path expansion.

Powerful Collaboration

- Improve cross-team collaboration with codeless search-to-story design.
- Simplify complex queries using custom Cypher-based functions and parameter specifications.
- Define, save and share graph perspectives and assign role-based access to each one.
- Extract results to different formats, and share with other teams or use in another application.
- Host the Bloom web application on Neo4j's web server or your own.

Product Brief

The Power of Graph Visualization

DEVELOPERS

- Rapid Neo4j prototyping
- Graph visualization that's simple to get started
- Easy to demo concepts to analysts & IT managers

ANALYSTS/DATA SCIENTISTS

- Ad-hoc exploration and discovery
- Low dependency on others
- Easy point-and-click option
- Easy to explain results to other teams/business

BUSINESS IT MANAGEMENT

- Business perspective of data
- Off-the-shelf visualization
- Better collaboration among teams
- Self-service data exploration

Visualization is a critical tool for getting the most out of your Neo4j graphs; from empowering developers to quickly prototype to enabling data scientists to follow their intuition in exploring interesting patterns and algorithm results, Bloom streamlines conversations and projects across teams.

Key Capabilities

Search

- Near-natural language search helps find graph elements or look for graph patterns to find paths and sub-graphs. Case-insensitive value matching helps find results quickly.
- Search phrases in Bloom are used by developers to save frequently used Cypher queries that help end users search easily.

Explore and Inspect

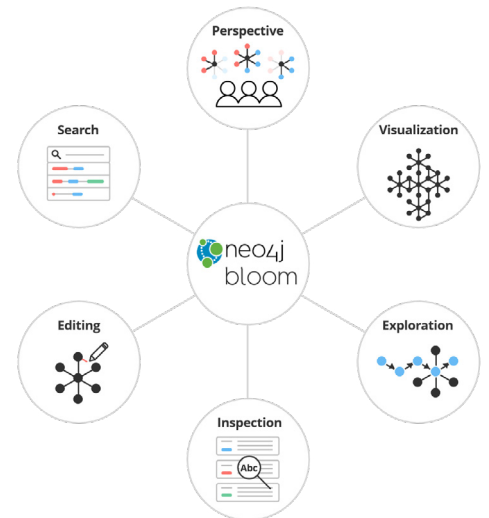
- Interact with one or many nodes on the scene and explore their connections further. Be selective about which relationships or neighbors to explore next so the graph visualization builds in a manageable and intelligible way.
- Keep, dismiss or inspect nodes or relationships as needed, and even make edits to add missing labels, make new connections and adjust relevant properties.

Style

- Bloom Perspectives allow the creation of business views that project the right logical view of the graph to the right audiences. Specify size and color styles for nodes and relationships based on their relative importance in the view.
- Choose data-driven styling to drive size and color styles from the data contained in the graph and make visualizations respond more dynamically to the queries you run.

Share

- Export results of an analysis as a set of comma separated values for both nodes and relationships, so the data can be used for further analysis or used in another system.



Learn more about Neo4j Bloom at neo4j.com/bloom.

Neo4j is the leading graph database platform that drives innovation and competitive advantage at Airbus, Comcast, eBay, NASA, UBS, and more.

Thousands of community deployments and more than 400 customers harness connected data with Neo4j to reveal how people, processes, locations and systems are interrelated. Using this relationships-first approach, applications built using Neo4j tackle connected data challenges including artificial intelligence, fraud detection, real-time recommendations and master data. Find out more at Neo4j.com.

Questions about Neo4j?

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