



## Neo4j Bloom

# The Fastest Path to Graph Data Visualization

Visualizing your data allows you to better understand relationships and their meanings. Neo4j Bloom gives both 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 for sharing the innovative work of their graph development and analytics teams.

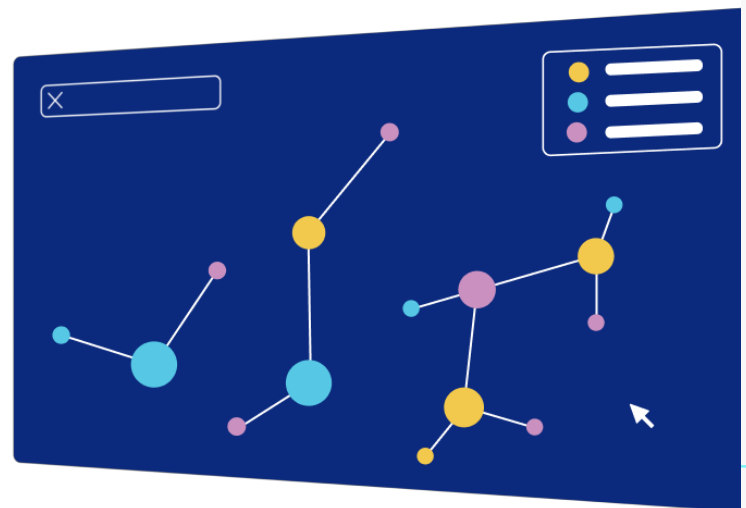
## Key Benefits of Neo4j Bloom

### Enhanced Exploration

- Look for nodes, 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.

### Search

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



“For me, utilizing this type of technology was a no-brainer. Neo4j really stood out as something that made sense to me, both from a logical standpoint and a visual standpoint. It made it really easy for our end users to visualize data, see connections, find out how the data was being impacted, and find information much more quickly.”

David Meza

Chief Knowledge Architect, NASA

### 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.
- Share results as a CSV file, empowering other teams to take action in their own applications.
- Create deep links to bring others into the exact context of your visualization, empowering them to see what you see.

### 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](https://neo4j.com/bloom).

The screenshot displays the Neo4j Bloom interface with several key components highlighted by blue callouts:

- Search suggestions and patterns:** A search bar at the top left with a dropdown menu showing search results.
- Stylize your data:** A panel on the left showing filters for 'All 341', 'Nodes 198', and 'Relationships 143'.
- Visualize, explore and discover:** The central graph visualization showing nodes and relationships.
- Pan, zoom and select:** A toolbar on the left side of the graph.
- Property browser and editor:** A panel on the right showing a list of properties for a selected node, including 'CashOut', 'Client', 'Email', and 'Merchant'.

The graph shows a central node 'Tyler Barlow' connected to various other nodes, including 'Evelyn Craig' and 'Miguelas Consulting'. The property browser shows details for a 'CashOut' transaction, a 'Client' (Lily Beck), an 'Email' (tyler.barlow16@gmail.com), and a 'Merchant' (Miguelas Consulting).

Neo4j is the world's leading graph data platform. We help organizations – including Comcast, ICIJ, NASA, UBS, and Volvo Cars – capture the rich context of the real world that exists in their data to solve challenges of any size and scale. Our customers transform their industries by curbing financial fraud and cybercrime, optimizing global networks, accelerating breakthrough research, and providing better recommendations. Neo4j delivers real-time transaction processing, advanced AI/ML, intuitive data visualization, and more. Find us at [neo4j.com](https://neo4j.com) and follow us at [@Neo4j](https://twitter.com/Neo4j).

## Questions about Neo4j?

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