



Open Data & Graph Analytics for AML/KYC

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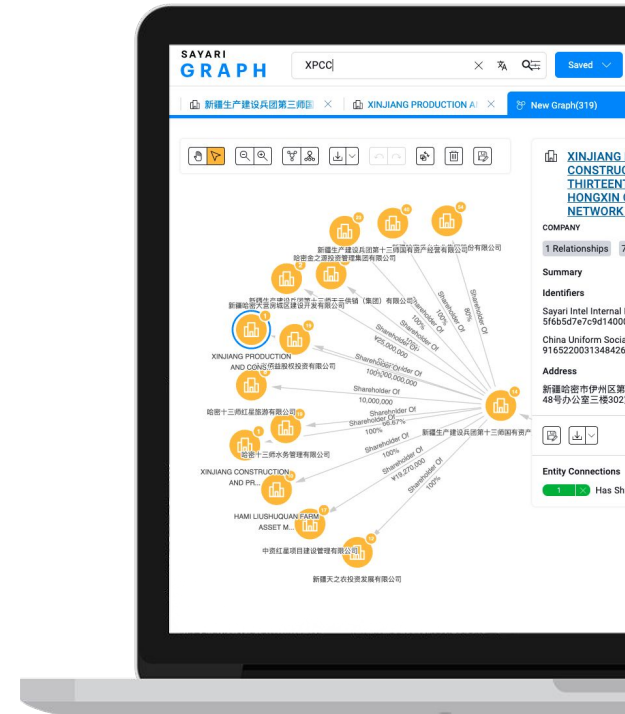
Graphs for AML/KYC

Why graphs for AML/KYC?

Purpose-built for answering questions about connectivity between entities

- Who are my customers connected to? (e.g. owned by?)
- How strong are those connections? (e.g. majority?)
- Are the connections meaningful? (e.g. anything risky?)

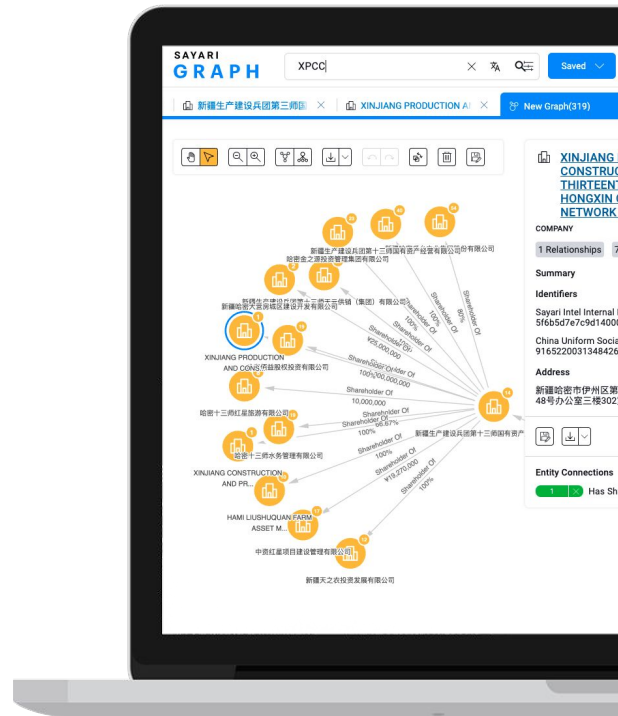
Beneficial Ownership is one example



Why TigerGraph specifically for AML/KYC?

Supports larger graphs, and deeper analytics, with more responsive querying

- 926 million people and companies globally
- 715 million relationships between them
- Load this data in minutes or hours
- 10+ layer deep graph traversals in seconds



Graphs + Data for AML/KYC: Case Study

A typical beneficial ownership problem



Who really owns Chengdu West?

SAYARI GRAPH Search Entities and Records

成都西部金沙鹭岛房地产开 New Graph(8)

Chengdu West Jinsha Ludao Real Estate Development Co., Ltd.

Translated to English Show Original Clear

Identifier
China Uniform Social Credit Code - 91510105797836939D
China TIN - 510105797836939
China Registration Number - 510105000069748
China Organization Code - 797836939

Address
No. 7 Jinsha Ruins Road, Qingyang District, Chengdu

Contact
cdxbjsld@163.com

Sources
China NECIPS (1)
China SAIC (4)

Add to Graph

Relationships (5)

- All Relationships (5)
- Has Manager (1)
- Shareholder Of (1)
- Has Shareholder (1)
- Has Director (1)
- Has Supervisor (1)
- Has Legal Representative (2)

Attributes

All Relationships

Showing all relationships for entity 成都西部金沙鹭岛房地产开发有限责任公司

Relationship	Entity	First Observed	Last Observed
Has Shareholder	100% Sichuan Jinsha Sunshine Real Estate Development Co., Ltd.	2018-07-11	2020-05-21
Shareholder Of	¥8,000,000 Chengdu Zhongdi Sands Real Estate Co., Ltd.	2018-07-11	2018-07-18
Has Legal Representative	Li Wengqing		2018-07-23
Has Director	executive director Li Wengqing	2018-07-11	2020-05-21

A typical beneficial ownership problem

The screenshot displays the SAYARI GRAPH web application. The interface includes a search bar at the top with the text "Search Entities and Records". Below the search bar, there are navigation tabs for "成都西部金沙鹭岛房地产开" and "New Graph(8)". A toolbar with various icons for navigation and editing is located below the tabs. The main area shows a hierarchical graph structure with nodes representing entities and edges representing relationships. On the right side, a detailed view of a selected entity is shown, titled "State-owned Assets Supervision and Administration Commission of the State Council". This view includes a "COMPANY" label, "97 Relationships", and "35 Attributes". A "Summary" section is also visible. Below the summary, there are "Entity Connections" listed as "Expand All (97)", "Shareholder Of (91)", and "Owner Of (6)".

Graphs get us answers, with a click

- 📄 The previous investigation, in a click
- 📄 Follow only specific link types in specific directions
- 📄 6+ layers deep
- 📄 Terminate with ultimate owners

The screenshot displays the SAYARI GRAPH web application. At the top, there is a search bar labeled 'Search Entities and Records' and navigation buttons for 'Saved', 'Translate', and 'FM'. The browser tabs show '成都西部金沙群岛房地产开' and 'New Graph(8)'. The main interface is divided into a left sidebar and a main content area. The sidebar contains sections for 'Relationships (5)', 'Attributes', 'References (5)', and 'Explore'. The 'Explore' section is active, showing a list of relationship types: 'All Relationships', 'Beneficial Ownership', 'Downstream Holdings', 'Watchlist/PEP', and 'Possibly Same As'. The main content area is titled 'Beneficial Ownership' and includes a subtitle 'Explore networks by relationship or ownership'. It features several filter buttons: 'Relationships (5)', 'Country', and 'Entity Type'. There are also checkboxes for 'Watchlist/PEP' and 'Possibly Same As'. A search input field is present, and a dropdown menu is open, listing various relationship types such as 'Subsidiary Of', 'Has Shareholder', 'Has Owner', 'Has Beneficial Owner', 'Branch Of', 'Auditor Of', 'Beneficial Owner Of', 'Director Of', and 'Employee Of'. The graph area shows a network of nodes and edges, with a 'State Council' node and a 'State-owned Assets Superv...' node visible. A 'Results Per Page' dropdown is set to '10', and there are 'CLEAR' and 'SUBMIT' buttons.

Thanks + Questions