

NiamonX Graph

NiamonX Graph Docs

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What is NiamonX Graph?

NiamonX Graph is a new instrument in the NiamonX product line designed for large-scale data visualization, relationship analysis, and collaborative intelligence workflows.

It enables analysts, investigators, and security teams to transform massive structured and semi-structured datasets into interactive, dynamic graph environments – without complex setup or additional installations.

NiamonX Graph is fully integrated into the NiamonX ecosystem and can be accessed directly from your dashboard by creating a new Graph Workspace.

Core Capabilities

Large-Scale Data Visualization

NiamonX Graph is engineered to handle high-volume datasets and complex entity relationships. Whether working with breach intelligence, infostealer logs, domain intelligence, blockchain entities, or sanctions data – the system renders large graphs in a structured and performance-optimized environment.

Smart Relationship Engine

Thanks to an intelligent relationship mapping system, entities are automatically correlated and linked using contextual logic, cross-dataset references, and enrichment signals. This ensures that large data volumes are not just displayed – they are meaningfully connected.

The platform helps analysts:

- Detect hidden correlations
 - Identify pivot points
 - Discover indirect relationships
 - Analyze multi-layer entity chains
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50+ Enrichment Transformers

NiamonX Graph includes **50+ integrated transformers** that enrich and expand graph nodes with additional intelligence.

These transformers can:

- Resolve DNS records (A, AAAA, MX, NS, CAA, PTR)
- Enrich IP addresses and domains
- Expand email intelligence
- Analyze blockchain entities
- Detect linked credentials and breach overlaps
- Retrieve WHOIS and infrastructure metadata
- Cross-reference internal NiamonX datasets

Each transformer adds structured intelligence to the graph, enabling deeper analytical insights and faster investigation workflows.

Collaborative Intelligence

NiamonX Graph supports **collaborative workspaces**, allowing teams to:

- Work together on the same graph in real time
- Add annotations and investigation notes
- Save analytical states
- Track investigative progress

For controlled sharing, graphs can also be exported or shared publicly via secure links — making it easier to present findings to stakeholders, partners, or clients.

Built for Modern Threat Intelligence

As part of the NiamonX ecosystem, NiamonX Graph integrates seamlessly with:

- Public Breaches Search (PBS)
- ULP (Infostealer Logs)
- Sanction Atlas
- Infrastructure & DNS modules
- AI Audit and Graph Summary

This allows users to move from search results to structured graph analysis in seconds.

Why NiamonX Graph?

NiamonX Graph is not just a visualization tool - it is a high-performance intelligence environment designed to connect large datasets in the most meaningful way possible.

By combining:

- Scalable graph rendering
- Smart relationship logic
- 50+ enrichment transformers
- Real-time collaboration
- Public sharing capabilities

NiamonX Graph empowers investigators to see connections that would otherwise remain hidden in massive volumes of data.

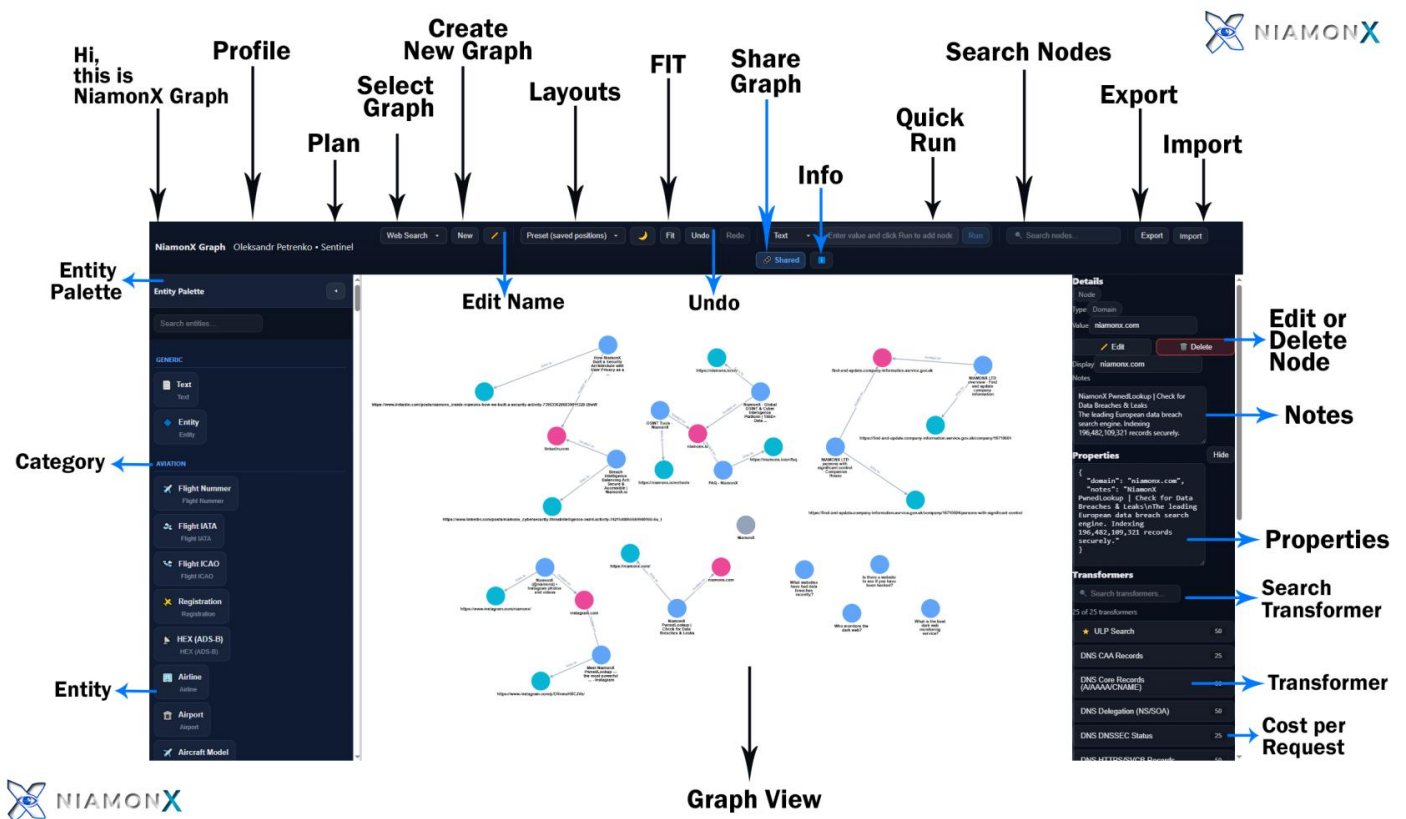
The screenshot displays the NiamonX Graph (Beta) dashboard. At the top, it shows the user's name 'Oleksandr Petrenko' and their 'Sentinel Plan'. A prominent blue button labeled '+ Create New Graph' is visible. Below this, the 'Saved Graphs' section features four cards, each representing a saved graph with a thumbnail, title, last edit time, expiration date, and node/edge counts. The graphs are: 'Test' (196 nodes, 199 edges), 'Web Search' (30 nodes, 20 edges), 'New Graph' (31 nodes, 20 edges), and another 'New Graph' (95 nodes, 139 edges). To the right, a 'Graphs Usage' widget shows '4/100 Graphs' and a 'Daily Coins' widget shows '2%' usage out of 100/5000. Below the saved graphs, the 'Free Transformers' section offers various data enrichment tools, each with a description and a cost in coins per request. These include: 'Find Flight' (100 coins/req), 'BlockChain Explorer' (50 coins/req), 'DNS CAA Records' (25 coins/req), 'DNS Core Records (A/AAAA/CNAME)' (50 coins/req), 'DNS Delegation (NS/SOA)' (50 coins/req), 'DNS DNSSEC Status', 'DNS HTTPS/SVCB Records', 'DNS Mail Exchange (MX)', 'DNS Mail Policy (SPF/DMARC/DKIM)', and 'DNS NAPTR Records'. A 'Node Types Reference' legend on the far right identifies colors for Email (blue), IP Address (orange), Domain (green), and Hash (purple).

Navigate the Graph (Web App) Interface

The **NiamonX Graph** interface is structured into three primary sections:

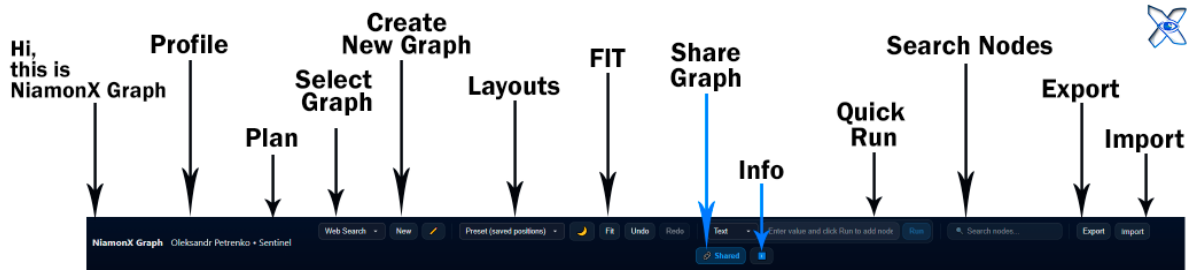
1. **Top Navigation Bar**
2. **Entity Palette (Left Sidebar)**
3. **Graph Workspace & Intelligence Panel (Center + Right Panel)**

Each section is designed to support large-scale graph investigations, enrichment workflows, and collaborative intelligence operations.



1. Top Navigation Bar

The top bar provides global controls for graph management, enrichment execution, collaboration, and navigation.



Identity & Workspace Area

- **NiamonX Graph**

Displays the active environment and current workspace.

- **Profile**

Shows the active user account and allows access to profile settings.

- **Plan**

Displays your current subscription tier and available capabilities.

Graph Management Controls

- **Select Graph**

Switch between saved graph workspaces.

- **Create New Graph**

Create a new blank investigation workspace.

- **Edit Name**

Rename the active graph workspace.

- **Layouts**

Apply automatic graph layout algorithms (e.g., force layout, hierarchical, radial) to optimize visualization.

- **FIT**

Automatically centers and scales the graph to fit the screen.

- **Undo / Redo**

Revert or reapply actions such as node creation, deletion, or transformer execution.

Intelligence Execution Controls

- **Quick Run (Text Input + Run)**

Enter a value (domain, email, IP, hash, etc.) and instantly create a node in the graph.

- **Info**

Displays contextual information about the current graph or selected node.

- **Share Graph**

Generate a secure public or restricted link to share your graph.

Supports:

- Public read-only sharing
 - Controlled collaboration
 - Stakeholder presentation links
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Search & Data Management

- **Search Nodes**

Search for nodes within the active graph.

- **Export**

Export graph data in supported formats (e.g., JSON, structured intelligence format).

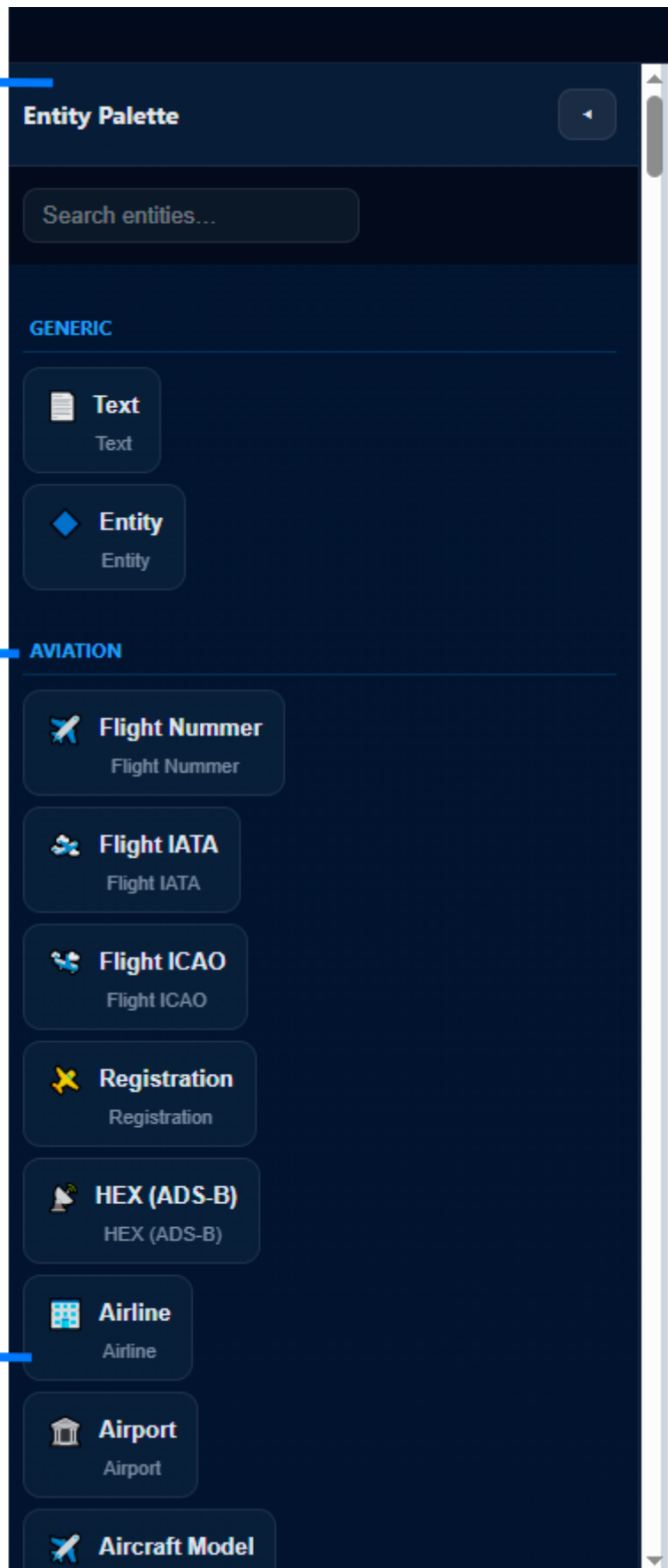
- **Import**

Import previously exported graphs or structured intelligence datasets.

2. Entity Palette (Left Sidebar)

The left sidebar is your entity creation and investigation entry point.

**Entity
Palette**



Category

Entity

Entity Palette

Contains all available entity types grouped by categories.

Search Entities

Quickly filter entity types.

Categories

Entities are grouped logically, for example:

- Generic
 - Aviation
 - Infrastructure
 - Credentials
 - Financial
 - OSINT
 - Custom entity groups
-

Entities

Each entity represents a structured data object.

Examples:

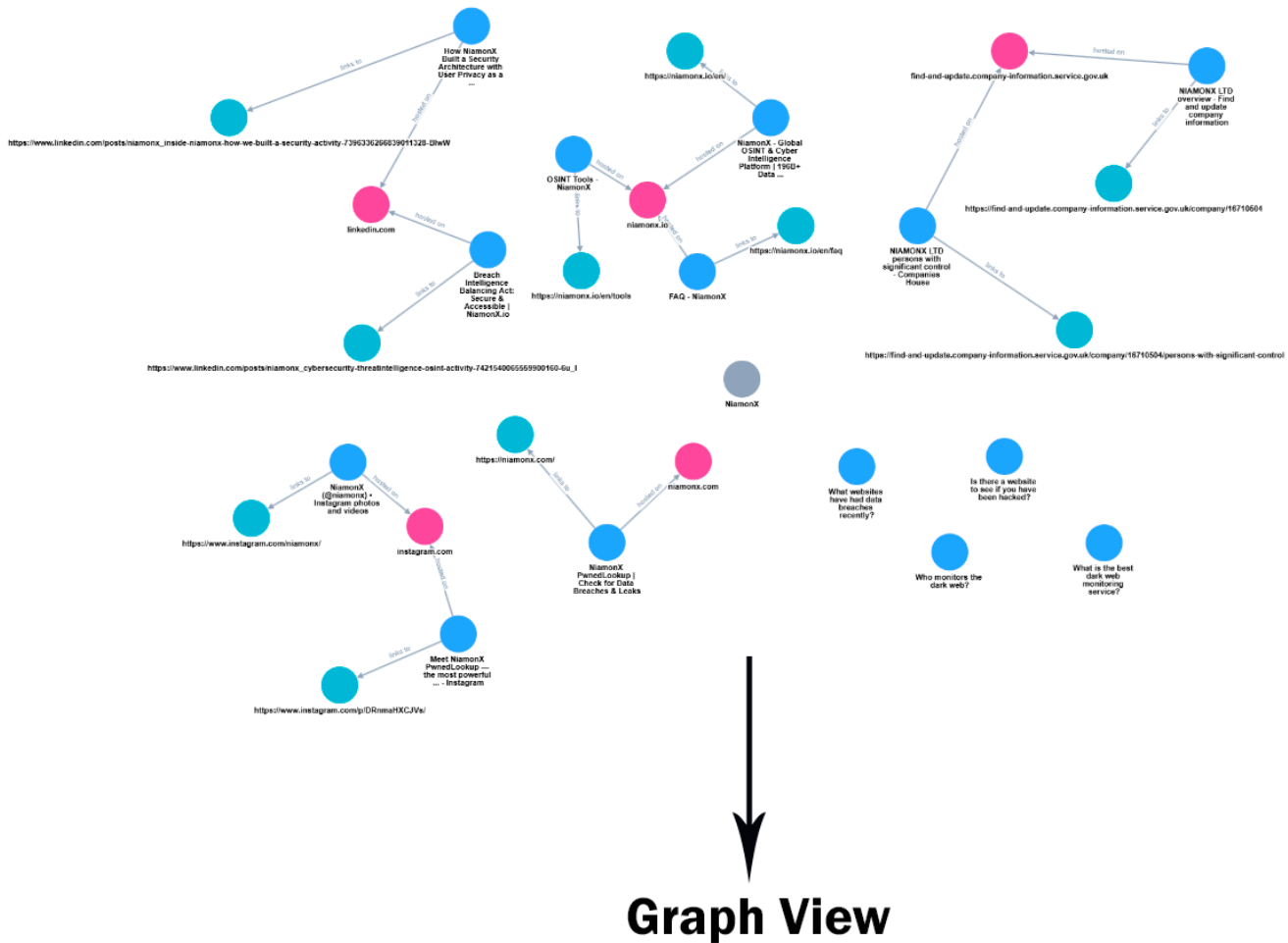
- Text
- Domain
- Email
- IP Address
- Flight Number
- Airline
- Aircraft Model
- Custom intelligence entities

To add an entity:

1. Drag it into the graph area
2. Or use Quick Run

3. Graph View (Center Workspace)

The central workspace is where investigation takes place.



Nodes

Each node represents an entity:

- Colored by type
- Clickable
- Expandable via transformers
- Editable

Connections (Edges)

Edges represent relationships between entities:

- Derived from enrichment transformers
 - Based on internal correlation logic
 - Smart relationship engine connects large datasets automatically
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Smart Relationship Engine

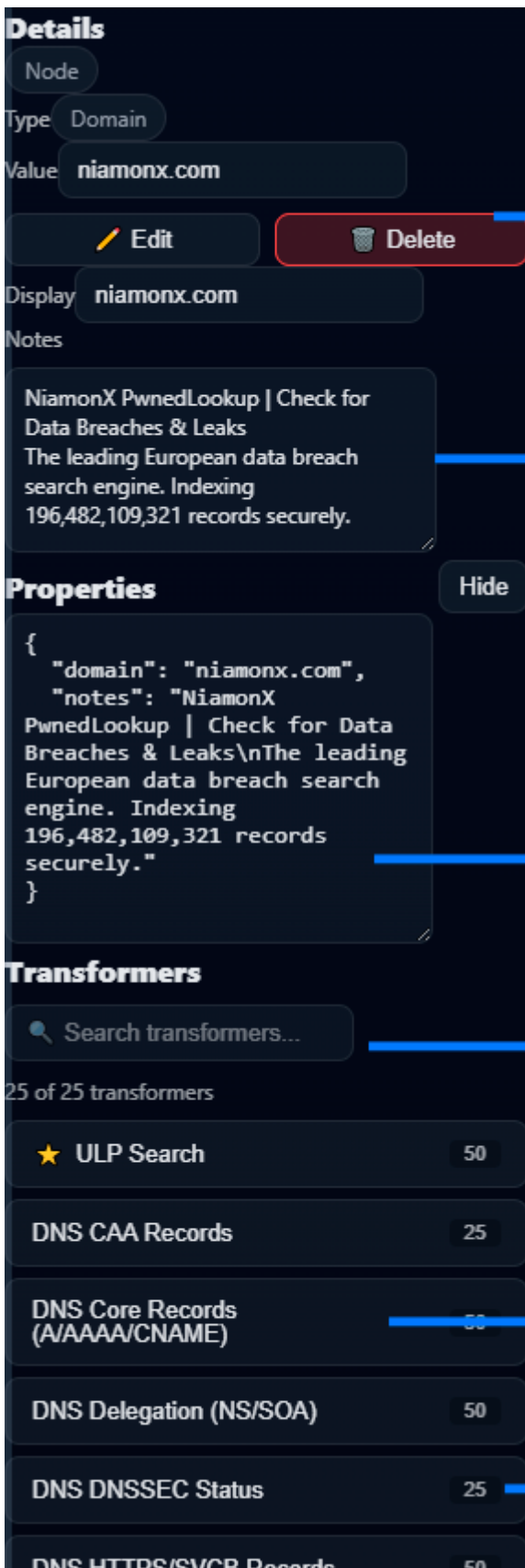
NiamonX Graph intelligently links entities across datasets using:

- Internal NiamonX intelligence sources
- Cross-record correlations
- Infrastructure relationships
- Credential overlaps
- DNS linkages
- Blockchain references

Large datasets are automatically structured to avoid clutter and maximize analytical clarity.

4. Intelligence & Node Panel (Right Sidebar)

When a node is selected, the right panel displays detailed intelligence.



Edit or Delete Node

Notes

Properties

Search Transformer

Transformer

Cost per Request

Node Details

Displays:

- Node Type
 - Value
 - Display Name
-

Edit / Delete Node

Modify or remove nodes from the graph.

Notes

Add investigation notes to a node:

- Observations
- Hypotheses
- Case references
- Internal comments

Useful for collaborative investigations.

Properties

Displays structured JSON-like metadata for the node, including:

- Domain data
 - Correlated breach references
 - Infrastructure attributes
 - Enrichment results
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Search Transformer

Search among 50+ available enrichment transformers.

Transformers

Transformers expand nodes with additional intelligence.

Examples:

- ULP Search
 - DNS Core Records (A/AAAA/CNAME)
 - DNS CAA Records
 - DNS Delegation (NS/SOA)
 - DNSSEC Status
 - PTR Reverse Lookup
 - Infrastructure resolution
 - Breach expansion
 - Email intelligence
-

Cost per Request

Each transformer displays resource cost per execution, allowing users to manage API credits efficiently.

Complete Workflow Example

1. Create a new graph.
 2. Add a Domain node using Quick Run.
 3. Run DNS transformers.
 4. Expand infrastructure nodes.
 5. Run breach enrichment.
 6. Analyze relationships.
 7. Add notes.
 8. Share the graph with stakeholders.
 9. Export structured intelligence if needed.
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Designed for Large-Scale Intelligence

The interface is optimized for:

- High-volume datasets
- Complex multi-hop investigations
- Real-time enrichment
- Collaborative workflows
- Controlled intelligence sharing

NiamonX Graph ensures that even massive interconnected datasets remain structured, readable, and actionable.

