



Panoramic AI Intelligent Search and Discovery

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G-Cloud- 15 Service Definition

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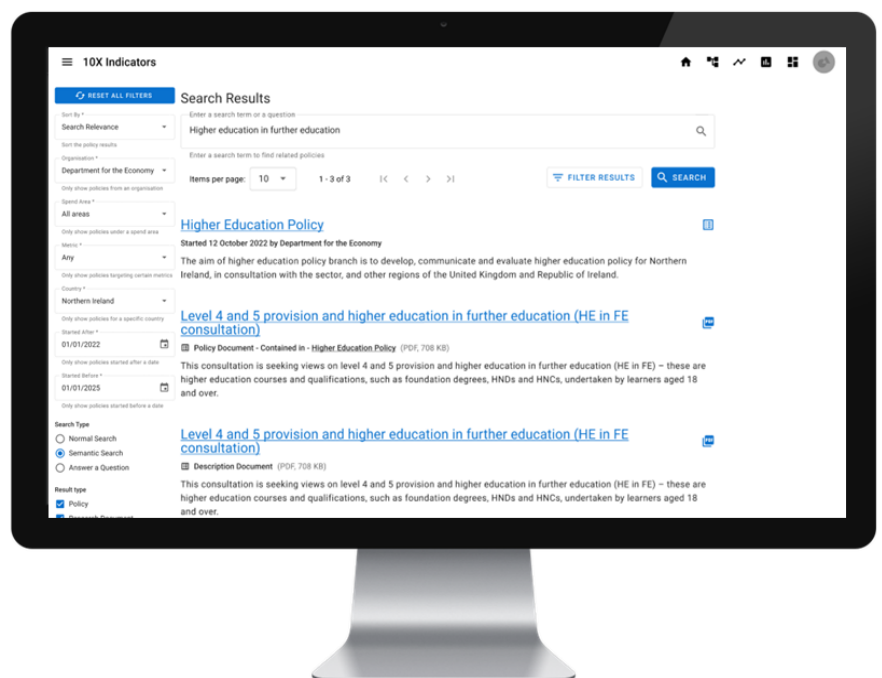
Intelligent Data Enrichment, Matching & Exploration

Solution Overview

Utilising data enrichments, data matching and knowledge graph technologies, Panoramic AI Intelligent Search allows organisations to improve data quality, connect siloed datasets to surface relationships, search and interrogate the data in new ways, and gain enhanced insights across data estates. Panoramic AI Intelligent Search and Discovery provides no-code interfaces for query & analysis or APIs integrating with other software & services.

Exploiting Large Language Models (LLMs), Small Language Models (SLMs), and Generative AI, Panoramic AI Intelligent Search and Discovery is able to go beyond standard keyword and wildcard searches. By utilising LLM embeddings, the solution allows user to search across their data for semantically similar content. In addition, using LLMs and retrieval augmented generation techniques, Panoramic AI Intelligent Search and Discovery allows users to ask questions in natural language and get back not only natural language responses, but also links to the source content.

Employing text analytics, machine learning, and AI techniques, source data can be enriched (e.g. extracting locations, named entities, dates, metrics, topics, etc.) which allows searching and filtering by these data attributes. This enables further refinement of users' searches enabling rapid retrieval of information.

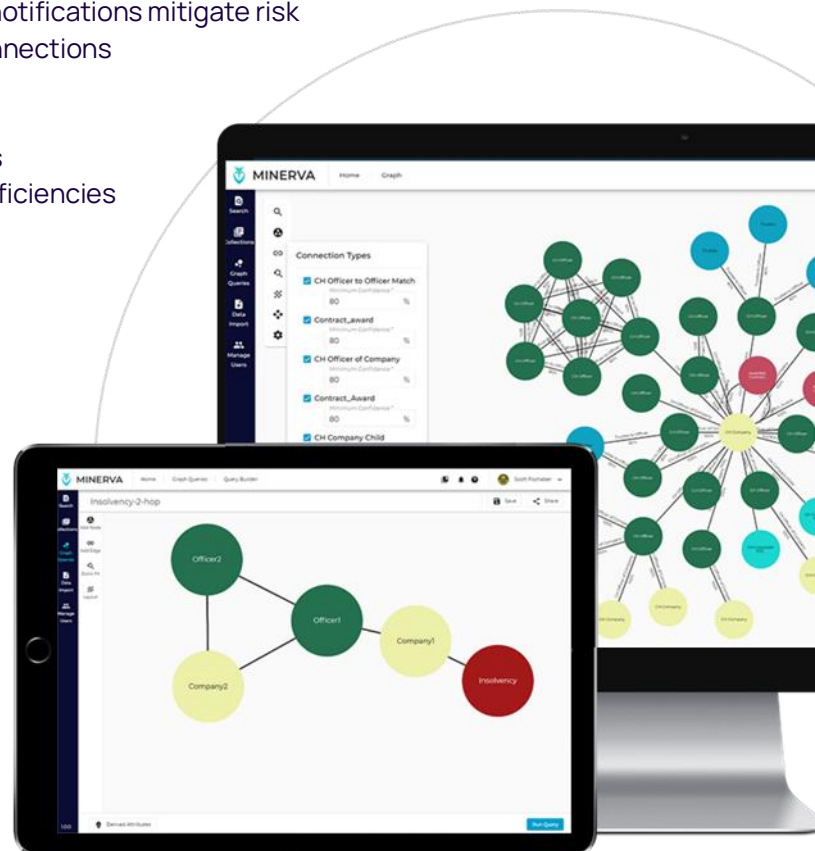


Service Features

- Automate extract, transform, load, (ETL), profiling, validation, and deduplication
- Graph, text, structured, unstructured, location, natural language processing analytics
- Automated knowledge/information graph creation (record linkage/linked data) and management
- Filter data by keyword, text semantics, location, time, connections
- Customisable rules for monitoring and automatic notifications
- Customisable UI for search, data upload/update, and rule/alert creation
- Machine/deep learning (NLP/SLM/LLM/Generative AI, semantic understanding) and Natural language search
- Connectors/integration with 3rd party data sources, Data warehouses, BI tools.
- Geographic mapping, trend analysis and data dashboarding for reporting
- Customisable fuzzy matching including phrases for copy paste detection

Service Benefits

- Integrated/connected data provides comprehensive organisation and single customer view
- Automation of data ingestion and preparation delivers time efficiencies
- Natural language and intuitive interfaces reduces training time/specialist knowledge
- Automatically highlights deeply hidden/obfuscated connections for enhanced insights
- Actionable insights into organisations, people, documents, and event relationships
- Continuous monitoring and automatic notifications mitigate risk
- Knowledge graphs used to visualise connections and investigate relationships
- Phrase/text matching to check for plagiarism/duplication or resubmissions
- Deduplicating legacy datasets drives efficiencies and improves data quality
- Entity/identity resolution providing single unified view of data



Our Mission

To enable forward-thinking organisations to **unlock value** through Data & AI.



Analytics Engines offer end-to-end guidance, consultation and support in response to your **data challenge**.



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