Specs

CUBO iQ

Desktop (PC)

Integrate, prepare and match your data intelligently from any possible source. Our software allows you code-free profiling, cleanup, data quality scoring, preparation, and master data management

Overview

Globalization and the emergence of new applications within complex data stacks now a day demand precise correlations between systems, records, tables, warehouses, datalakes etc. which consist of different schema, formats, fields an attributes cause a headache and a need to either create a team or look into a tool to govern your most precious asset, your DATA. In a private entity, the unique view of your customer is fundamental for business intelligence (BI) and more. Identity resolution is also used in data quality-related applications such as customer data management (CDM) and master data management(MDM).

With CUBO iQ Fuzzy Data Matching speeds time to insight and screens for security checks with our amazing conflict resolution center making it po sible to identify dangerous profiles, through screening for patterns, providing visible matches in batch or real time with our API; in the case of financial se vices it can identify customers associated with illicit activities such as terrorism, money laundering and fraud (background checks), most developed countries require a Know Your Customer (KYC), Politically Exposed Person (PEP) and Office of   oreign Assets Control (OFAC) check; and for the healthcare sector it allows you to build a complete picture of the information associated with patients.Automated identity resolution capabilities are accurate, fast and scalable that specifically addres these and other entity matching requirements

The challenges in entity matching

Regarding names, several challenges arise due to the effect of transliterations (phonetic and spelling errors), here are some examples:

- Differences in the transliteration norm (Sammy / Sami)
- Variants in the order of names (Scott Radcliffe / Radcliffe Scott M.)
- Missing names (Mary Jane Towers / Mary Towers)

- Nicknames (Michael / Mike)
- Variants and misspellings (Charlie Dallas / Charlie Dalaz)
- Initials (Manuel Fernando Soto Montenegro / Manuel F. Soto M.)

CUBO iQ® extends the ability to identify matches based on additional attributes in the record such as:

- Personal such as place and date of birth, address...
- Organizational such as nationality, affiliated persons, locatio ...
- Location in terms of whether it is rural, urban...
- Vehicle data such as make, model...
- Product and its characteristics price, series, description...

Have the ability to identify the relative importance of each attribute, when matching a specific entity, while keeping an eye on misnames fo more precision.

The new challenges of entity comparison, with large amounts of data in real time, can be accomplished through a collection of matching rules, applied to obtain efficient, complete, and accurate results. CUBOiQ® Desk op (PC) uses a scalable and intuitive search and indexing engine.

Some of the key advantages over other approaches

- **Accuracy:** Using probabilistic and business rules of matching entities derived from real data on a large scale through machine learning
- **Fast:** speed when comparing between tens and millions of records
- **Scalable:** accommodates hundreds of millions of entity records
- **Flexible:** Reduces the need for data cleansing
- **Customizable:** Allows you to set custom rules, dictionaries and parameters

System caracteristics

- Provides multi-threaded search and indexing
- Entity search results are ranked based on confidence score
- A web-based graphical user interface is provided to:
    - Easy mapping of customer entity data
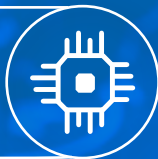   - Display search results at any index

Technical specification

- **Server Platforms:** Windows
- **Supported entity types:** Person, Organization, Place, Nationality, Address, Vehicle, Date, Email, Phone, and other numeric data types.
- **Supported scripts:** Latin, Arabic, Persian, Chinese, Hangul, Korean, Cyrillic and more.
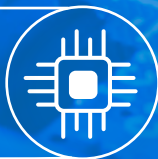
Minimum system requirements:

2 CORES

8 GB Ram

100 GB of flash storage (SSD or NVMe)

System Recommendations:

4 CORES

16 GB Ram

100 GB of flash storage (SSD or NVMe)

Our software has been designed for use on Windows systems. In order to give you the best results, it is pertinent to adapt the hardware to the job at hand.

Integration with your existing tools:

XML **CSV** **TXT**

X **A** **ODBC**

Microsoft SQL Server **OLE DB**

teradata. **ORACLE**

MySQL **IBM** **salesforce**

JSON **DBF** **IBM DB2**

CUBO iQ

Data cleaning and preparation
represents about 80% of the work

Data Cleansing to your liking!

With our business rules and intelligent glossaries, pattern recognition to cleanse and standardize your data at scale, you will no longer see the complexity in performing these processes. You can visualize how your data changes with each cleaning adjustment with our instant data view feature with CUBOiQ® Desktop (PC).

Are you ready to be a data quality leader?

Completely transform the way you view your data! Take your data quality initiative to another level today! Freemium version available.

Download Software