Tovek Tools is a set of desktop applications for information retrieval and analysis and creating different kinds of overviews and summaries. It is suitable for processing even large volumes of unstructured data from miscellaneous information sources.

<table>
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<th>Description</th>
<th>Tovek Tools is based on a powerful technology for searching for information. It enables to search and analyse local information sources - file systems, e-mails or ODBC databases, as well as a special data such as speech-to-text transcriptions or data from mobile phones. It can be used as a Tovek Server client and work with its existing sources.</th>
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<td>Benefits and Advantages</td>
<td><strong>Accurate and complete search</strong> Tovek Tools uses powerful full-text technology ensuring easy, reliable and very powerful searching even in large volumes of data. Complex query language enables to precisely define a query. Advanced functions are continuously improved based on professional user requests and suggestions. <strong>Combination of several information sources</strong> Using Tovek Tools you can create custom sources as well as connect to remote Tovek Servers and search, analyse and combine search results to one output. <strong>Easy document search in different languages</strong> A fulltext query can consist of several sub-queries in different languages which are used on documents in the relevant language. The search results are combined into one common output for further work. <strong>Wide range of analysis</strong> The search results can be then analysed using context and content analyses and clearly visualised. The user can thus easily discover relationships or identify new trends and topics. Document content and structured sources can be also visualised in a chart form. <strong>It displays outputs in well-arranged form</strong> The search or analysis results can be displayed in the form of well-arranged output print-outs and stored in different formats for further use.</td>
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<td>Typical Areas of Use</td>
<td>Tovek Tools is typically used in intelligence, in R&amp;D departments when investigating and discovering fraud or mapping out the competitive environment. In the commercial sector it’s mainly used in media agencies, at the information providers or in the finance sector in banks and insurance companies. In the government sector it’s mainly used in government and public institutions, at ministries and in the law enforcement, defence and intelligence community.</td>
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Searching

Search of documents which comply with set query conditions. This functionality enables to use complex query language:
- evaluation of relevance to retrieved documents and their sorting
- multilingual search
- automatic document annotation generating
- using fragments of free-text in the query text
- search for similar documents

Search criteria definition - a query

Structured query in Query Editor

List of retrieved documents ordered according to relevance to the query

Document text with highlighted searched words and extracted entities

Query Editor

Query Editor is designed for well-arranged hierarchically structured queries. You can precisely specify search criteria and weights for each query part and so specify what is most important and affect the resulting retrieved document order.

Knowledge Base and Forms

Knowledge base is used for storing queries and other items (forms) and their easy sharing between Tovek Server users. Depending on license, local Knowledge Base used by one user and shared Knowledge Bases of particular Tovek Servers used by more users can be available. Work possibilities vary according to the settings. Work of more users during the actualisations and queries saving into the Knowledge Base is ensured. Some queries can be marked as topics and called by names in the queries.
Forms are intended for users who don’t need to know query language and query creation. It’s for users who fill in only specific details (for example name of person and its date of birth.)

Source Management
Source management enables connection to already existing sources. You can index different file types, database records and e-mails directly in the environment of Tovek Tools. Fast and reliable filters supporting all common data formats are used for indexing, including speech- to text recognition or data from mobile phones.

So the user can fast search information from different sources from one interface.

When indexing in Tovek Tools Analyst Pack, the entity extraction can be selected, i.e. automatic marking e.g., persons, telephone numbers, towns etc. in text, similarly to indexation by Tovek Server.

Summary
The Summary enables the creation of graphs according to document fields, e.g., according to date or found entities and so get complex overview of found document characteristics.
Projects

You can work with several queries at once in Tovek Tools. The queries can be saved in individual projects.

The following can also be saved to projects:
- lists of selected documents, e.g. for further export
- document texts to which the user has access even if he/she doesn’t have the source data available
- summary
- context analyses (InfoRating)
- charts

Exports

Tovek Tools offers several well-arranged output variants in several common formats (txt, html, xml) including summary and InfoRating for retrieved document delivery.

Smart Monitoring enables documents export in format in which the documents are thematically divided into categories. It is possible to switch between these categories.
Harvester

Harvester enables users to perform content analysis of unstructured texts especially in order to:

- determine topics automatically in analysed documents
- select documents describing similar topics
- identify new topics in document files

Topics are identified according to statistical analysis of appropriate word pair and trio occurrences. Varieties of them can be visualized.

InfoRating

InfoRating provides context analysis of retrieved documents which finds and displays relationships between document content and defined themes - queries. The result can be displayed in the form of a well-arranged cross matrix or a graph. Users can also use the InfoRating to identify relationships among defined themes or to create structured reports with cross references.
Visualisation

Based on entity extraction it’s possible to visualise content of selected documents in a chart form. It also enables creation of special structured sources where objects and relationships between them are defined directly. Both ways can be combined. Created charts can be modified and also exported according to the user needs.
It is also possible to find shortest path between visualised objects which can come from different sources. What’s more, it enables specifying type of the link between the objects in order to find shortest and most relevant path.

**Fulltext Plug-in for IBM i2 Analyst’s Notebook**

Using the module Fulltext Plug-in for IBM i2 Analyst’s Notebook users can visualize and analyse textual information in IBM i2 Analyst’s Notebook - the visual analysis software. Fulltext Plug-in offers active connection between IBM i2 Analyst’s Notebook chart items and information stored in text files. It also enables to use fulltext search methods within the IBM i2 Analyst’s Notebook environment.