# Open Source Intelligence Suite

The Open Source Intelligence Suite (OSINT Suite) is a tool to find, acquire and analyse data from the Internet. By providing automatic means for downloading and processing it empowers users to gather intelligence from open available sources by removing the need to search manually through vast data sets.

Overview

OSINT Suite provides tools to support several phases of the intelligence gathering process:

Documents can be acquired from the public internet as well as from local sources. A built-in entity extraction engine identifies person and organisation names, locations and address details. The extracted information is presented in an easy accessible way. This way, the analysis of the human analyst is supported.

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Acquire Documents
        ↓
Extract Information
        ↓
   Analyse Data
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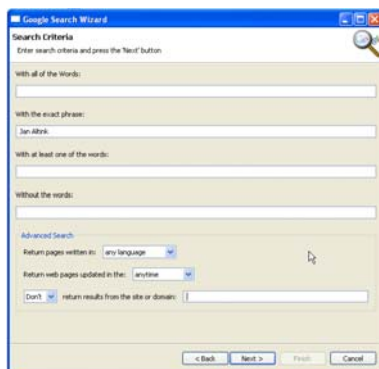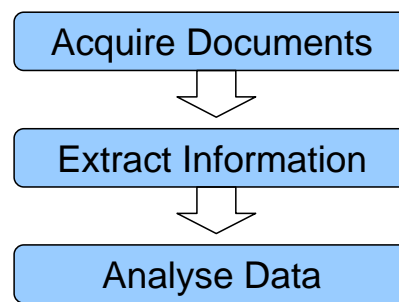
Acquire Documents

OSINT Suite allows to download documents from the public internet or to import them from local disk. All downloaded documents are stored in a normalized format for further processing.

The internet search wizard helps to construct queries which are then run against internet search engines. The found web pages can then be downloaded at once for local analysis. In addition to the search wizard, OSINT Suite contains a crawler component. This component can be used to acquire the content of already known sites. The crawler follows the link structure of a targeted website and downloads relevant pages to local disk. An import wizard complements the acquisition tools. It allows to import locally stored text documents for analysis.

Extract Information

OSINT Suite provides an entity extraction engine (see [1] for background publications) to identify important information automatically. The engine identifies the following entity types:

- Person Names
- Organisation and Company Names
- Locations
- Contact details (phone number, email addresses, etc.)

The text locations of the found entities are marked up. Thus, the review of large document sets by the human analyst is made more efficient.
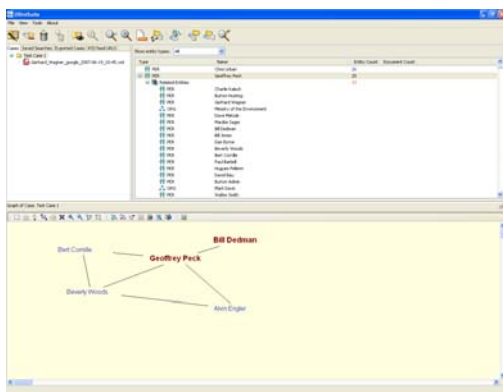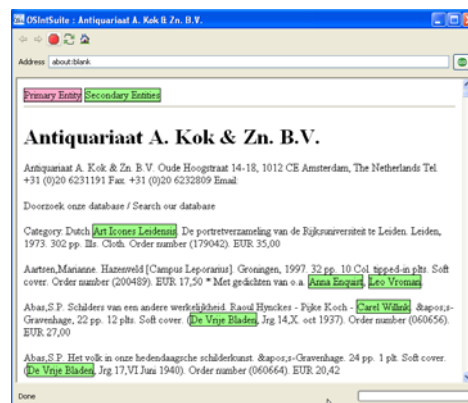
Analyse Data

The extracted entities are presented in a straightforward way as a list of names with links to related entities and to the underlying documents.

Furthermore, a graphical viewer allows to chart found entities and relationships between them. Entities such as persons or organisations are shown as nodes. The relationships between entities which are based on co-occurrence in the underlying documents are shown as links between the nodes. The presentation of entities and their relationships as a graph allows to derive intelligence about those entities and their relationships which may otherwise not be directly obvious from the original documents.

System Requirements

OSINT Suite requires the following system requirements:

- Microsoft Windows XP/Vista
- Fast CPU (Pentium IV or better)
- Min. 1 GB of Main Memory
- 40 GB of Disk Space
- Broadband internet connection (T1 or better)

References

[1] Language Technology Publications List, IPSC SES, http://langtech.jrc.it

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