



[PALISCOPE]

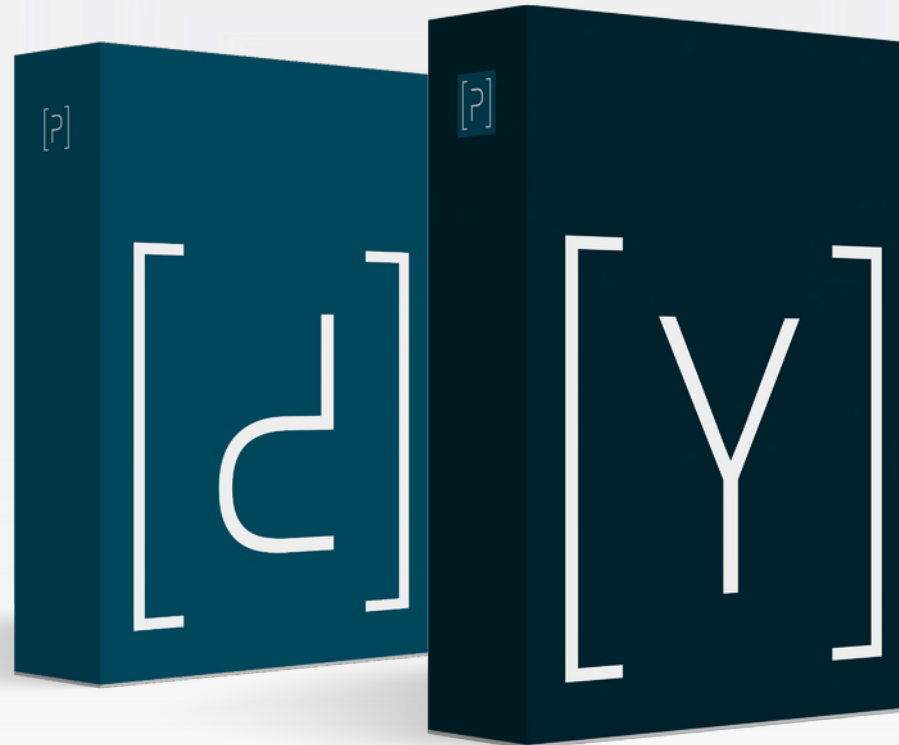


The Paliscope platform

One platform to collect and share intelligence between Investigators. The platform is developed using the latest web and AI technologies, ensuring a long future without a legacy of old technologies

Structure data and build your case

Discovery lets you quickly and effectively find, document and report any evidence in your investigation.



Search and find anything, anywhere

Think of **YOSE** as your own AI-powered search engine that crawls through your computer to find anything you are looking for.



Build your investigative
case with **Discovery**





**An end-to-end
investigation tool**



**Easy to use for the
large majority**



**Saves time and
improves quality of
your investigations**

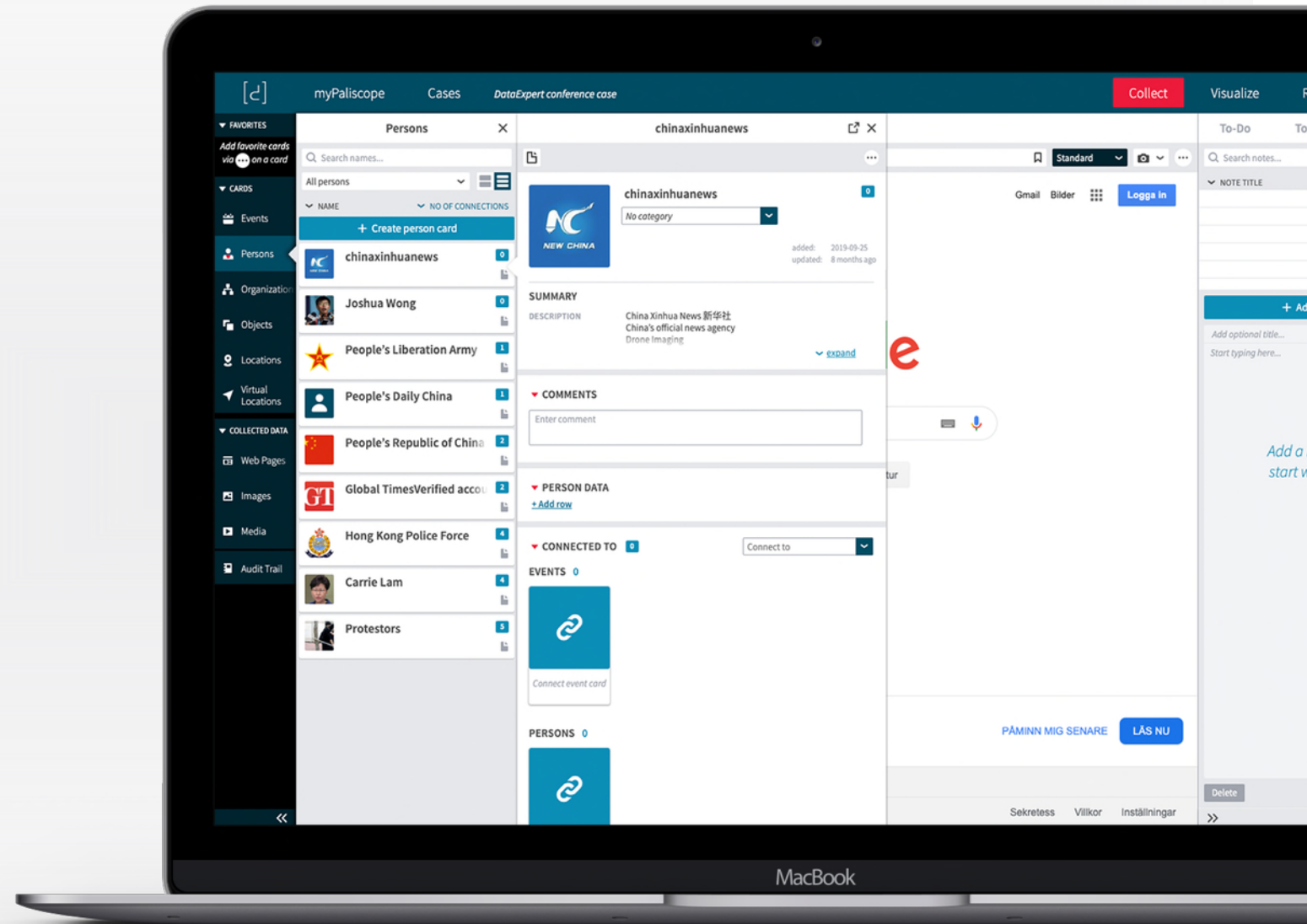
How it works

- Gather information online, offline or from third party services
- Use built in features to find intelligence faster
- Easily collect and structure the information by dragging and dropping it onto entities called "cards"
- Link cards together and see how your case is automatically visualized in a link graph
- As you are building your case a well-designed report is created in the background, ready to be exported at any time
- All your cases and data are stored locally on your computer

Selected features in **Discovery**

Collect information in cards

- Structure and collect information on entities called “cards”. (An entity can be a person of interest, object, organization etc.)
- Just drag and drop the relevant information onto a card or add data manually.
- Built in text-searchers will automatically check if the text data is found in an integrated services, i.e. WebIQ or YOSE
- Link Cards together and get a visual overview in the Visualize mode.



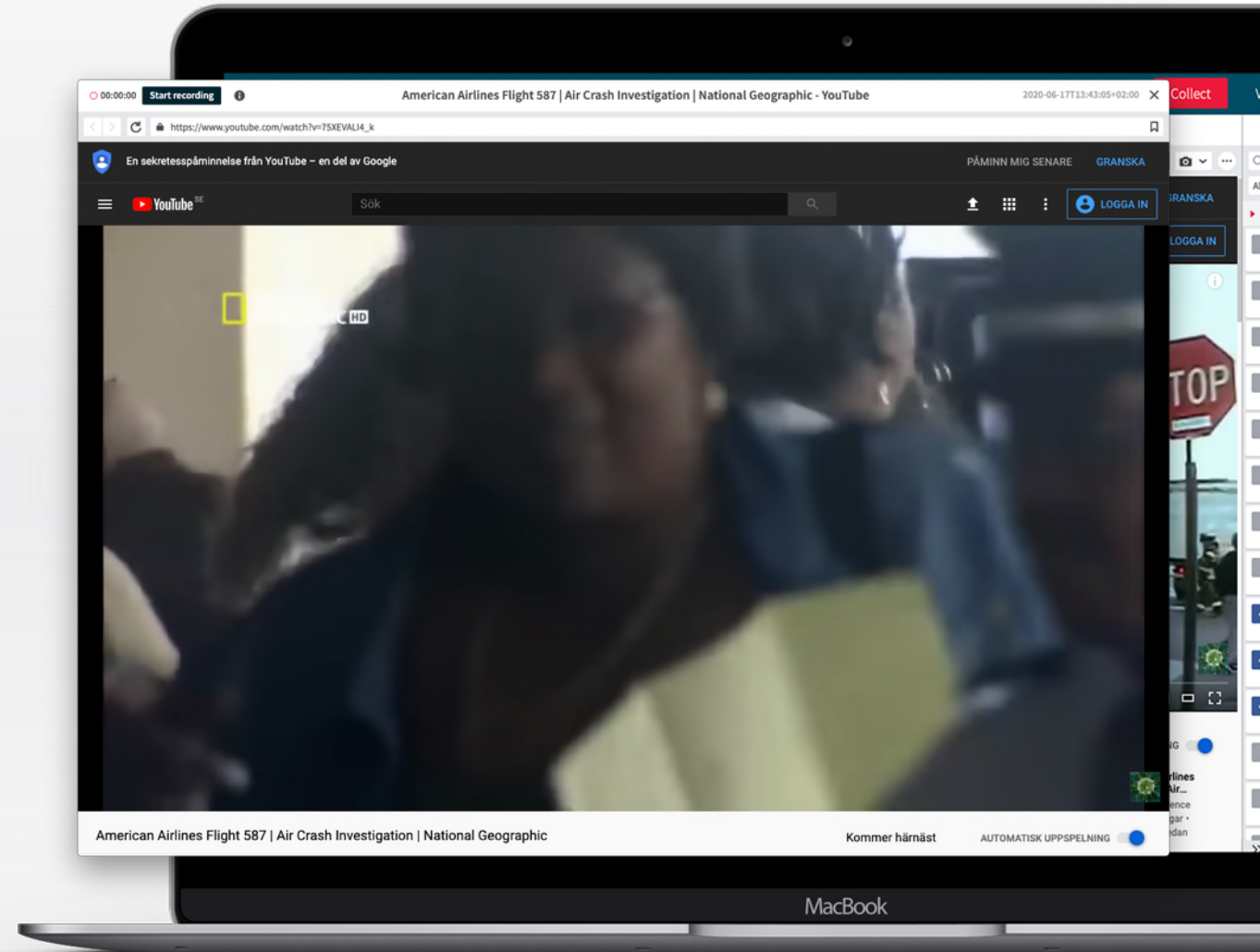
Collect websites

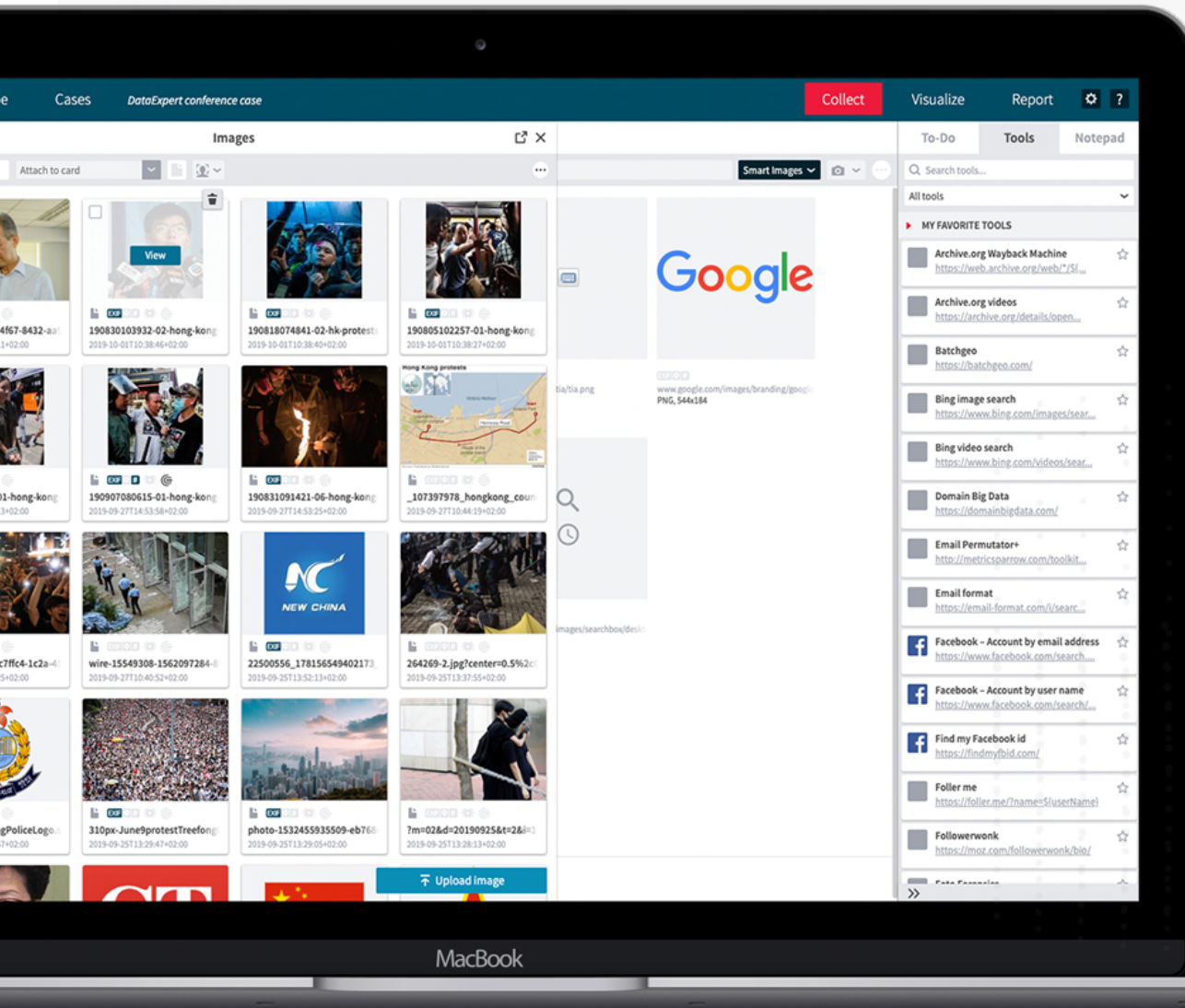
Discovery provides two ways to capture a web page:

- Collect an entire web page that both takes a screenshot of the entire site and downloads the complete web page with source code and images.
- Take a partial screenshot of a website.

Browser Tab Recording

- Record individual browser tab sessions (rather than full screens by default)
- Record multiple sessions simultaneously
- Prevent other applications from disturbing your recording
- UTC timestamps are automatically added to recorded video files
- Automatically logged in the Discovery audit trail





Smart Images

- Get an overview of all images in the browser as thumbnails
- See if there is any interesting meta data embedded in the image such as
 - Time stamps
 - GPS position
 - Camera info such as make, model & serial number
 - Software used
 - Etc.
- The investigator can view all available information just by viewing the image, and then evaluate whether or not it is of further interest.

Open for seamless integrations

- Discovery has integrations to the following of 3rd party services. Each services is seamlessly built into the software, easily accessible where you need it.
- Discovery will soon be able to connect to any 3rd party solution of your choosing



Visualize

- Visualize all the components of your case in a single view.
- View connections between your entities and collected data
- Filter what content you wish to see
- Export pictures
- Include in your report
- Navigate directly to the entity or data to learn more





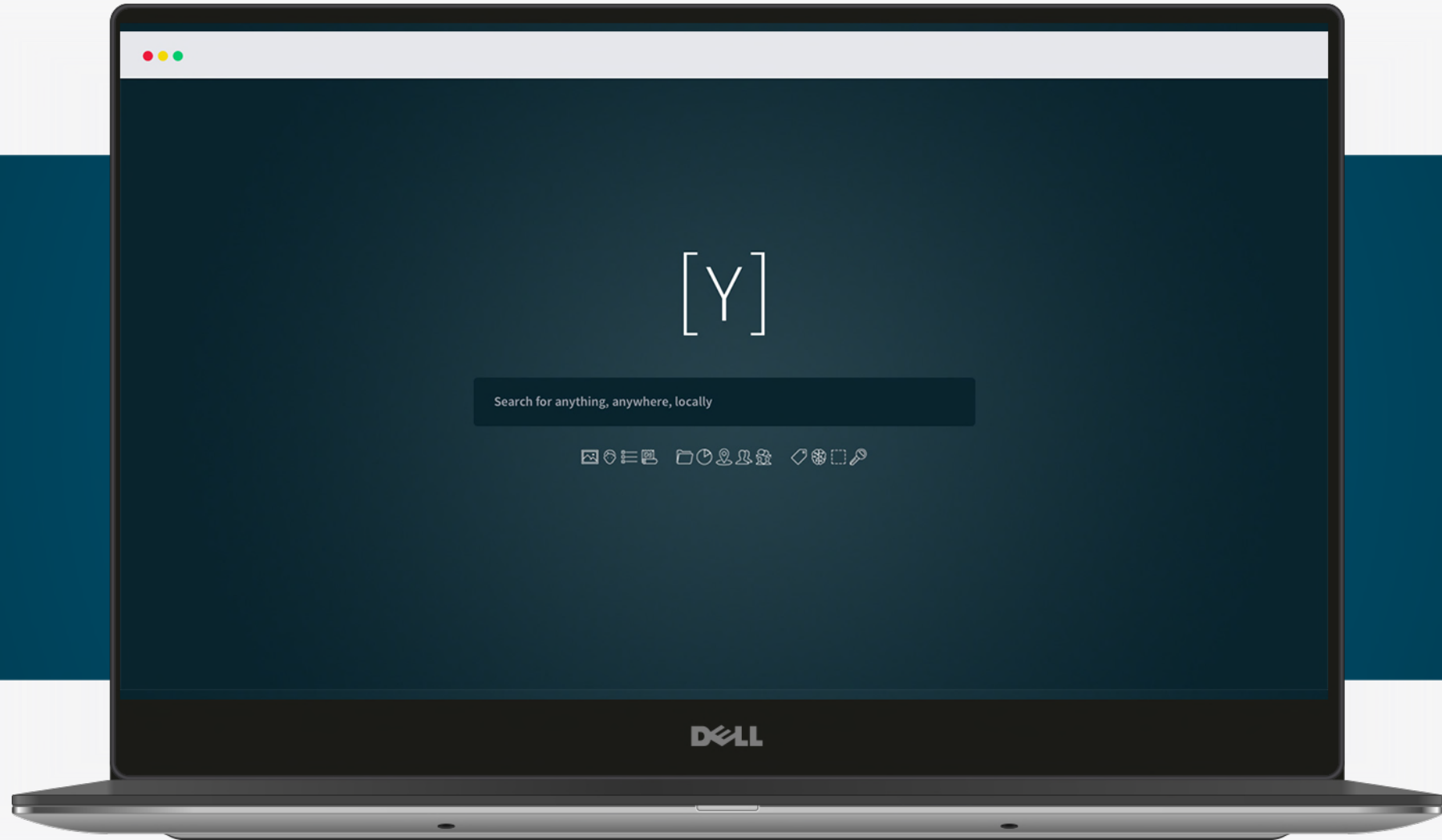
Automated Report

- As soon as a case is created, an automatic reporting engine generates a well-designed report.
- As the investigation progresses and more data is added, deleted or changed in the case, the report is automatically updated.
- Reports can be customized to include and exclude specific data, as well as changing headers and manually adding case summary and conclusions.
- The report can be exported in both HTML and PDF formats.



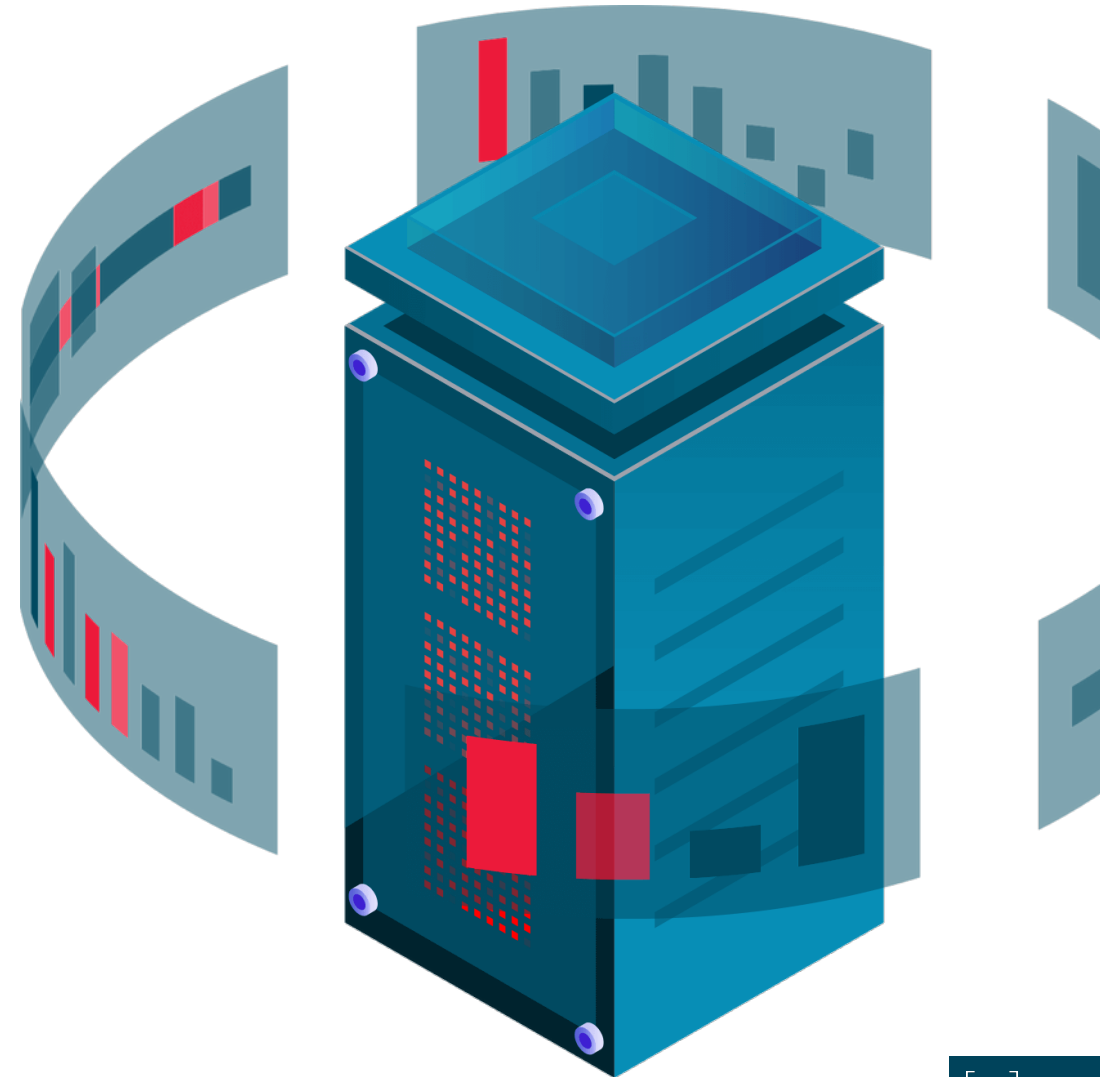
[Y]

Find anything, anywhere
with **YOSE**



Make everything searchable

YOSE indexes everything from invoices and screenshots to PDFs, images and videos. And it doesn't matter if the files are located on your desktop or even embedded within a document or email. It tracks down all data, regardless of where it is saved.

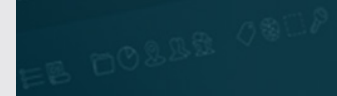


How it works

- YOSE indexes all documents, images, videos and Outlook mailboxes and extracts all accessible information.
- Choose how you want to access your data by either:
 - Searching broadly in the search field
 - Using the specific search features to perform face, image or bulk searches
 - Letting YOSE show you what intelligence you have
- Comment, tag, classify and redact your data to pinpoint relevant parts and add more data to the case
- Export anything you see on the screen

[Y]

where, locally



YOSE system overview

Core layer

A scalable back-end that indexes documents, messages, images and videos and makes it all searchable.

AI Intelligence layer

The latest AI technology extracts intelligence from all data indexed in the core layer and automatically structures it, to enable searching for persons, places, visual objects and textual data.

Visualization layer

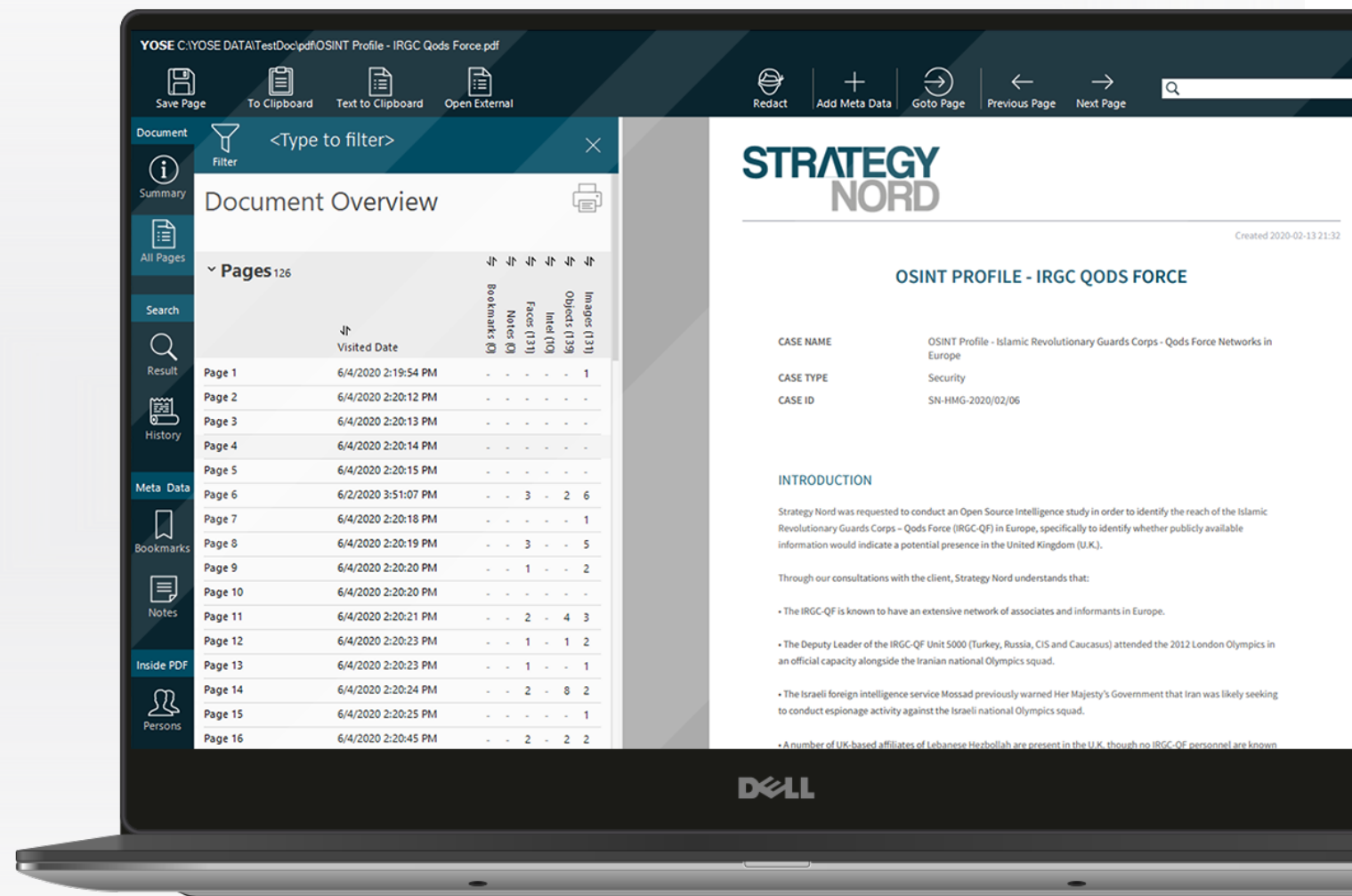
By combining extracted intelligence with the search capabilities YOSE presents numerous ways of viewing and analyzing the data.



Selected features in **YOSE**

PDF Viewer

- A super fast view mode for PDF documents
- Simplifies navigation through extensive documents containing a lot of information
- Gives you an overview of the included content to easily navigate to the relevant information
- Timestamps the pages you have viewed
- Tag, bookmark, comment and redact specific pages



Text Analytics

- Using advanced text analytics and Natural Language Processing, YOSE is able to extract intelligence from texts regardless if that is a document, email message or an OCR:ed image.
- YOSE automatically finds words referring to 100 different types of information, such as: Persons, usernames, places, events, dates, telephone numbers, flight codes, credit card numbers, bitcoin addresses etc. and gives you an overview of what you have in your dataset.
- YOSE also understands the context of text in i.e. emails and conversations. It can identify if a text is referring to criminal activities like extremism, drugs or weapons to let you quickly find relevant information.

Finding faces and detecting persons



YOSE identifies and matches persons of interest across images, videos and other types of documents using facial recognition



Upload a picture of a face and search through the entire dataset to see if you get a match



YOSE gathers all the identified faces and merges them into persons. Click on a person to see the related files or add more information

Visually Similar Images

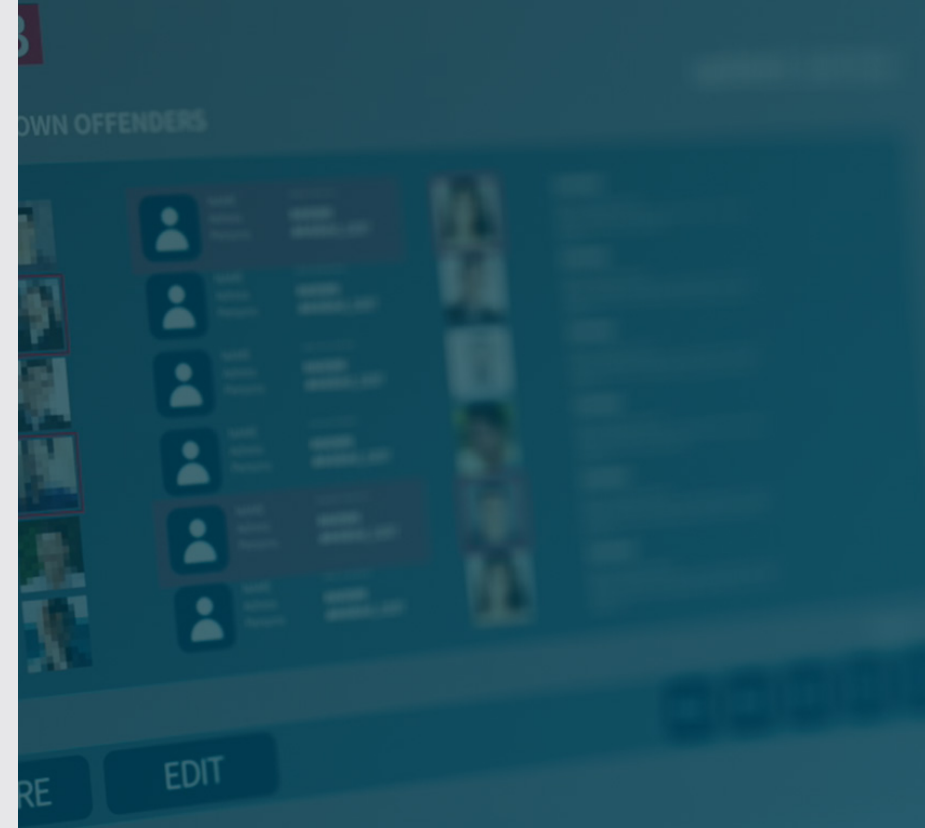
- YOSE has a built in functionality to find visually similar images, regardless if these comes from a document, frame in a video or as an image.
- YOSE can easily handle millions of images and return the result in a split of second of the most similar images to the user.
- In addition to returning visually similar images to the query image, YOSE also returns related images such as images taken at the same place or at the same time or have the same faces or have the same objects on them.



Evidence Image Classifier

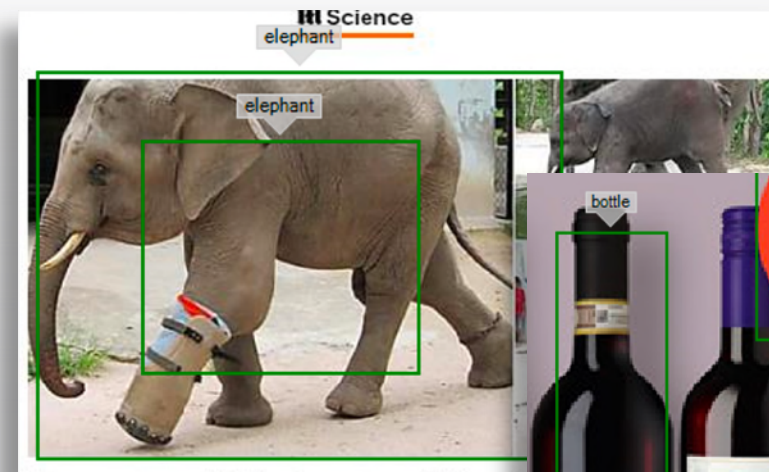
Investigators are usually interested in images containing information relevant to bring the investigation forward. YOSE identifies imagery and videos containing:

- Weapons
- Drugs
- Extremism
- Violence
- Gambling
- Currency
- Documents
- ID Cards
- Credit Cards
- Money
- Pornography



Detecting objects in images

YOSE can identify and locate 500 different objects in images, videos and documents using the YOLO network such as cars, license plates, vehicles, bicycles, bottles etc.



Used Car Prices in Arbil Might Surprise You
Used Cars | Search Ads

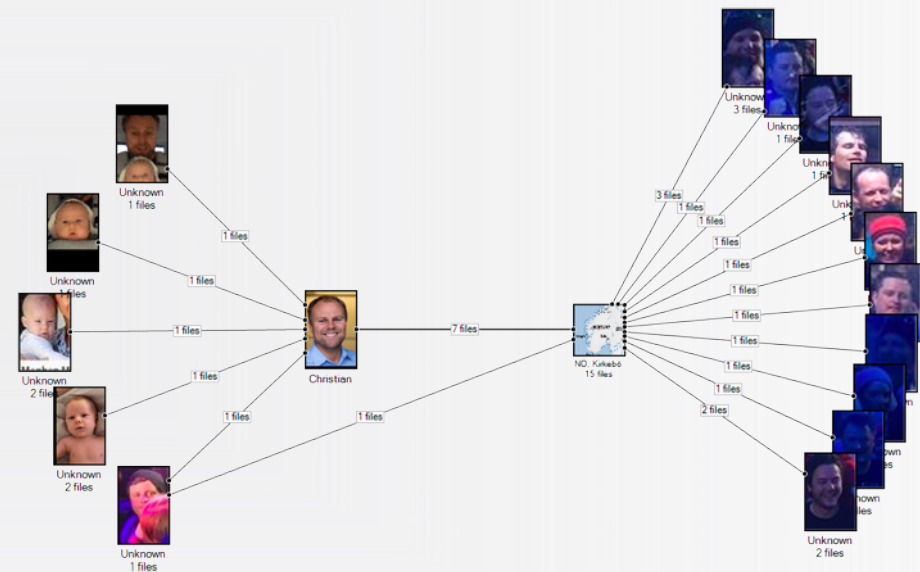


Bulk Search

- Search for multiple items at the same time
- Match lists of telephone numbers, names, bitcoin addresses etc. to your YOSE data and get the results instantly

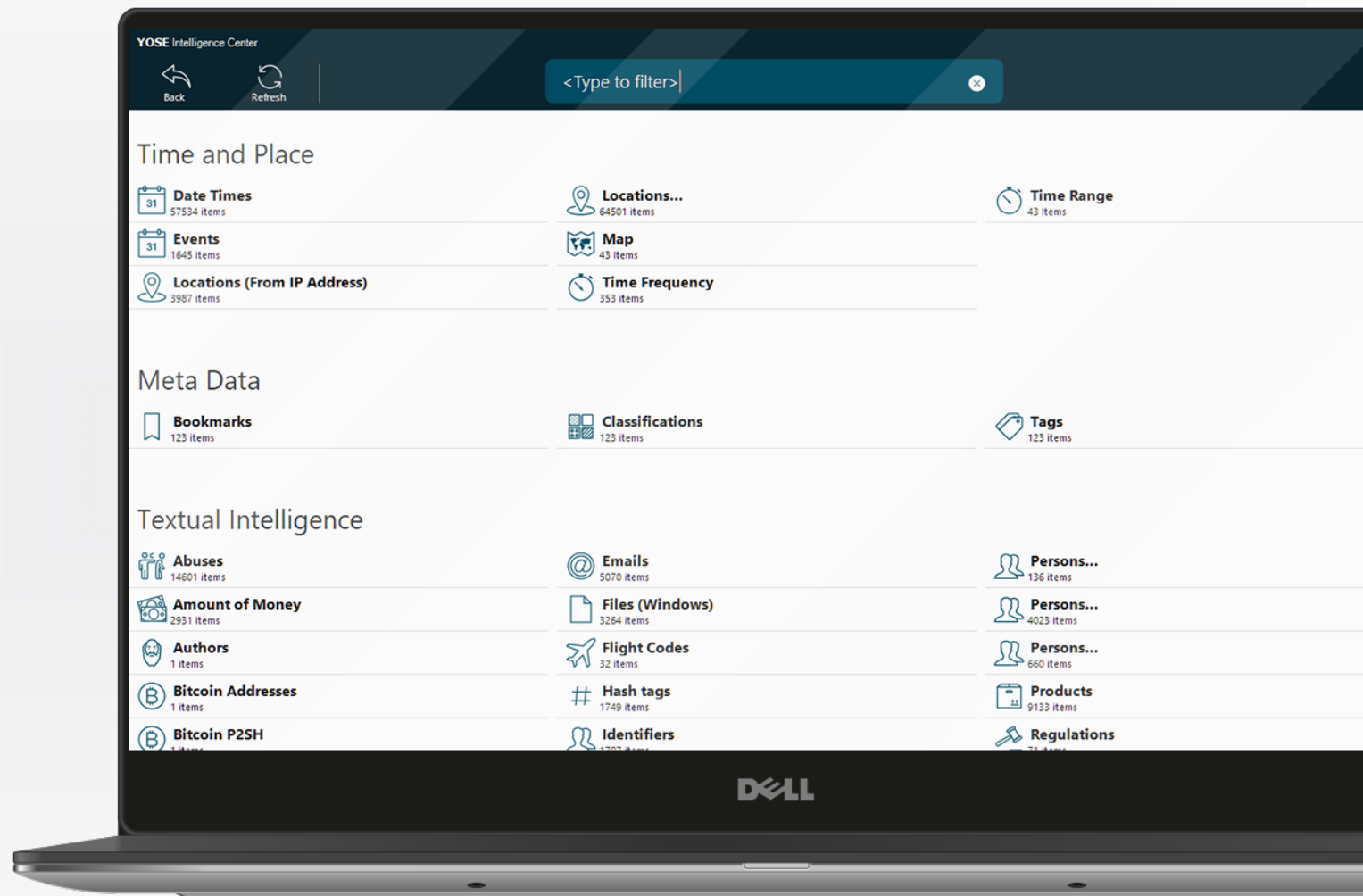
Linking together data

- YOSE automatically links data together and let the investigator quickly build link chart with all intelligence extracted from data.
- YOSE lets you expand the graph to dig deeper in the direction you choose to go to solve the case faster.
- The result can be exported to PDF or to Excel to be able to import into i2.
- The built-in functions let you organize all entities on the screen with single click on a button.



Intelligence Center

- YOSE gathers all the extracted intelligence it finds in a view called Intelligence Center
- Get an overview of all the textual, visual, geographical, date and time intelligence that you have in your dataset



The integration of **YOSE** in **Discovery**

(or other data solution)



Connect your YOSE to Discovery

The integration of YOSE in Discovery creates a powerful investigation platform enabling you to:

- Get fast search results from YOSE directly in Discovery.
- Easily access YOSE from a browser tab in Discovery, alongside your other favorite search engines.
- Automatically search on textual data added in entity cards.
- Quickly perform face searches against your local data to identify and match persons of interest across images, videos and other types of documents.
- Send collected data items to YOSE to extract all elements and make the entire content searchable and accessible for future cases
- Perform reverse image searches against YOSE on findings made in Discovery. It works the same as any other reverse images search, but for your locally saved data.
- Multiple Discovery users access one YOSE at the same time

Connect your data solution to Discovery

In the same way that YOSE is integrated in Discovery, any external services can be integrated.

- Internal solutions
- 3rd party services
- Big Data solutions
- etc.

Talk to your Paliscope contact to find out more



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