

# EMM OSINT Suite Release I (Version 2.3.1)

## ***Description***

The EMM OSINT Suite is a desktop software package which consists of various tools based on the JRC's research in open source text analysis and mining.

The software consists of the following core modules:

### Data Acquisition

- Search – a component to extract search results from online search engines
- Crawler – a HTTP crawler module to harvest data from targeted web sites (“crawling”)
- Grabber – a HTTP client module to download text based or binary documents from web sites for further processing

### Data Processing

- Text Extraction – extracts texts from different text based and binary formats (XML, TXT, PDF, MS Word, MS Excel, MS PowerPoint, Open Office)
- Entity Extraction – a set of modules to extract named entities from raw text. Entity types are people, organisations, locations, address information, VAT numbers and user defined custom types
- Category Matching – categorises text according to key word based category definitions

### Data Analysis

- Reporting – a component to create reports for end users of for further external processing of extraction results
- Local Search – a local search index to provide full text search of downloaded artefacts
- Entity Browser – an analysis component to aggregate found entity data and allows browsing through the results.

The different tools are made available with a graphical user interface based on the Eclipse Rich Client Platform which is an open source toolkit for desktop applications.

## **Release Notes**

The 2014 release contains the following improvements and bug fixes:

### **Improvements**

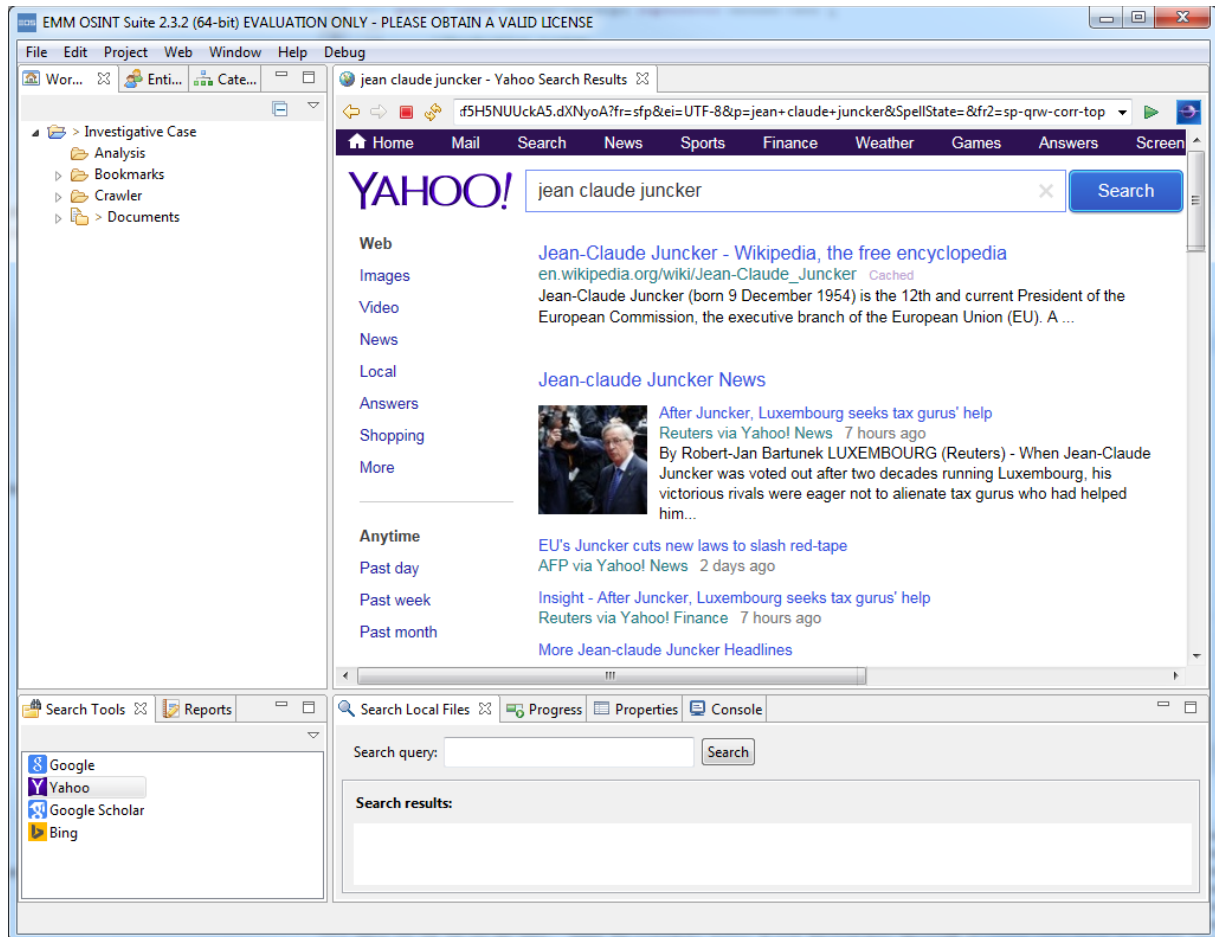
- **New Category Matching module**
  - Find documents which match a specific keyword pattern
  - Pattern language editor to define custom patterns
- Internal analysis data model
  - Complete revision with substantial performance improvements and much less memory consumption
  - Faster load up of data for larger document sets
  - Fixed issues:
    - #OSINT-23 Improve algorithm to calculate Entity-Entity relations in the analysis data model
- Entity Browser
  - Filtering of entity types (#OSINT-52)
  - Show frequency of entities (how often an entity occurs across document set)
  - Show number of related documents
  - Sort alphabetic or by frequency
- Workspace
  - #OSINT-97 Show active workspace path and (active name variant db in title bar)
  - The workspace path is shown in the status bar (bottom of window) if a project is selected
- Entity Extraction
  - Added pattern to extract Croatian VAT Numbers
  - Revision of regular expression based patterns
  - Easier editing of regular expression by splitting into separate files for each custom entity type
- System Basis
  - Faster start-up time
  - Latest Java Run Time

### **Bug Fixes:**

- #OSINT-91 Deletion of Project does not clear graph view
- #OSINT-93 Failure to load icons of search engines
- #OSINT-93 EntityBrowser not refreshed correctly
- Removed obsolete preference pages

# Screenshots

## Data Acquisition



# Analysis

EMM OSINT Suite 2.3.2 (64-bit) EVALUATION ONLY - PLEASE OBTAIN A VALID LICENSE

File Edit Project Web Window Help Debug

Wor... Enti... Cate...

Select Project: Investigative Case

Search

All entities of project

Entities	fr...
Jean-Claude Juncker	117
Juncker	45
Cameron	25
David Cameron	14
Angela Merkel	7
Christian Social	7
Gideon Rachman	6
José Manuel Barroso	4
Jacques Santer	4
Nigel Farage	3
Merkel	3
Chris Morris	3
Boris Johnson	3
Bruno Waterfield	2
Abu Muhammed al-M	2
Ollie Peart	2

Profile: EU's Jean-Claude Juncker. Tory MEP Syed Kamall and UKIP's Nigel Farage criticised Mr Juncker in the European Parliament. The former Luxembourg Prime Minister, Jean-Claude Juncker, has taken charge of the European Commission, despite UK opposition. He got a solid majority among MEPs in a secret ballot - 422 votes - and the support of 26 out of 28 EU governments. But British MEPs in particular - the UK Independence Party and the Conservatives - were vocal in their opposition to him. Mr Juncker, 59, based his claim to the EU's top job on being the Spitzenkandidat (lead candidate) of the centre-right European People's Party, which won the May elections. His election is seen as a triumph for the European Parliament, which pioneered the Spitzenkandidat procedure. It was an effort to make the European elections more relevant to voters and give the EU more of a "human face". But UK Prime Minister David Cameron said the parliament had usurped the right of government leaders to choose the EU's top executive. In the past that choice was made behind closed doors, and by unanimity, without a formal vote. Mr Juncker is a controversial figure, as a leading advocate of deeper EU integration, and is often called a "federalist". A veteran of Brussels deal-making, he headed the powerful Eurogroup - the eurozone finance ministers - at the height of the eurozone crisis, when crucial decisions were taken about austerity and bailout conditions. Force behind euro. In a speech setting out his agenda for the EU on 15 July he stressed that the euro "protects Europe" and he praised former Commission president Jacques Delors, the man credited with launching the single currency. European Commission Drafts EU legislation and enforces compliance with EU treaties; 28 commissioners - one from each member state; Commission now has more powers to shape national budgets; Negotiates EU trade deals with global partners. Mr Juncker was prime minister of Luxembourg from 1995 to 2013 and one of the architects of the euro. But according to Pierre Leysers, financial editor of the daily Luxemburger Wort, it is misleading to call him a "federalist". "He wants deeper integration, but not a European superstate," he told the BBC. Mr Leysers argues that coming from a tiny country has enhanced Mr Juncker's influence in the EU, odd though that may seem to people unfamiliar with Brussels politics. Luxembourg was a founding member of the community which became the EU and, sandwiched between France and Germany, "it had no choice but to try to be on good terms with its neighbours", Mr Leysers said. "So some Luxembourg politicians were always good negotiators and diplomats, to get France and Germany together." The drive for post-war reconciliation shaped Mr Juncker's political views. Start Quote We all know what to do, we just don't know how to get re-elected after we've done it" End Quote Jean-Claude Juncker Ex-PM of Luxembourg. Early in his political career he worked for Prime Minister Pierre Werner, who helped to forge the Franco-German bond at the heart of the European project. Mr Werner came up with a plan for monetary union which was later developed by Jacques Delors. Mr Juncker went on to become one of the world's longest-serving democratically elected leaders. Part of Brussels elite. But some of his past remarks have raised eyebrows, suggesting a less than firm commitment to democracy. Ahead of the French vote on the European Constitution in 2005 he said: "If it's a Yes, we will say 'on we go', and if it's a No we will say 'we continue'". And in 2011 he said "monetary policy is a serious issue - we should discuss this in secret, in the Eurogroup... I am for secret, dark debates". His greatest EU challenge has been shoring up the eurozone since the 2008 financial crash, when Greece's colossal debts, and those of other struggling eurozone countries, threatened the very survival of the single currency. The BBC's Ben Wright joined the former prime minister of Luxembourg on his campaign bus. In a high-profile TV debate on 15 May Mr Juncker said he had worked "night and

Text HTML Online

Search Tools Reports

Search Local Files Progress Properties Console Graph View

Google  
Yahoo  
Google Scholar  
Bing

David Cameron

Jean-Claude Juncker

Angela Merkel

# User Report

The screenshot displays the EMM OSINT Suite 2.3.2 interface. The main window shows a report titled "Entities found in project New Commission". The report lists various entities with their names, types, and associated pages. The entities include CSV party, Nigel Farage, Michel Rodange, Ukip party, BBC, Andorra, and Telegraph:Kimble.Texas.United States. The interface also shows a file explorer on the left, a search bar, and a console window at the bottom displaying system logs.

Entity Name	Type	Pages
CSV party	o	C:/work/debug/woi
http://www.britannica.com/EBchecked/topic/1016432/Jean-Claude-Junker-Year-In-Review-2014.	ur	C:/work/debug/woi
Nigel Farage	p	C:/work/debug/woi C:/work/debug/woi
Michel Rodange	p	C:/work/debug/woi
Ukip party	o	C:/work/debug/woi
BBC	o	C:/work/debug/woi C:/work/debug/woi C:/work/debug/woi C:/work/debug/woi
Andorra	t	C:/work/debug/woi
01-11-2014	dt	C:/work/debug/woi
11-01-2014	dt	C:/work/debug/woi
Telegraph:Kimble.Texas.United States	t	C:/work/debug/woi C:/work/debug/woi

```
{ "topic": "osint/workspace/resourceDeleted", "projectName": "New Commission", "resourceIds": ["77b9112a-8d6-..."] }
{ "topic": "osint/search/bookmarksChanged" }
{ "topic": "osint/analysis/datamodelChanged", "ProjectId": "ccb33e16-875e-4f95-99dc-6b060c2ca633" }
{ "topic": "osint/report/reportGenerated", "Report": "AllEntities.ort_2014-12-18_19-48.html" }
Report generated and saved to /New Commission/AllEntities.ort_2014-12-18_19-48.html
{ "topic": "osint/workspace/resourceAdded", "projectName": "New Commission", "resourceIds": ["64f47df6-65c3-..."] }
{ "topic": "osint/search/bookmarksChanged" }
```