mSIS Core Product Description
Functions & Features

1. INTRODUCING mSIS CORE

mSIS Core is a Qwarie software solution, designed specifically for corporate investigators, for the research and reporting of intelligence and evidence.

Initially, mSIS might be deployed to gather intelligence located in restricted databases and from other proprietary sources of information.
As Intelligence is gathered from multiple different sources, the intel is stored in a structured manner so that leads for further investigation might be identified for research using mSIS, of Open Sources of intelligence.

mSIS is a multi-Source Investigation Solution with a suite of five products. More about the other mSIS products at www.msis.app.

mSIS provides for GDPR compliant research, so that privacy might not be compromised. Evidence is secured at the point of collection and the mSIS suite of applications, allows for the security of the evidence that is exported as a case bundle, to be preserved.
MSIS Edit allows for the preparation of a case for litigation and mSIS Read allows for a case bundle to be read when the case bundle is presented for litigation.

mSIS allows for managed disclosure, in compliance with the Civil Procedure Rules 1998 Part 31 – Disclosure and Inspection of Documents.

mSIS Core deploys an array of functions that provide for enhanced productivity, during both the research process and the reporting process, with styled and consistent presentation of evidence.

mSIS is a Mozilla Firefox extension, where Firefox might be deployed on a local desktop, from an Amazon Web Services workspace or Microsoft Azure platform.

2. THE GUIDED RESEARCH PROCESS & IDENTIFIERS

mSIS employs POLE structured investigations.

POLE is the standard data model used by law enforcement, and supports categorizes records in of People, Objects, Locations and Events (POLE).

A wide selection of "identifiers" are assigned to each POLE item, that also act as an 'aide-memoire' for the researcher, increasing the opportunity to locate evidence from publicly available sources.

With the POLE structure and the identifiers, mSIS guides investigators through the research process.

The guided research process provides a structure that allows for the orderly gathering and presentation of evidence.

The guided research process delivers significant value where the researcher might be an occasional practitioner, or not particularly experienced in OSINT. However, mSIS includes functions that even the most experienced researcher will find beneficial.

3. EXTENSIVE SEARCH

mSIS Core provides a simultaneous search of over six search engines and other searchable resources.

Also, words in a search string are re-ordered, increasing the opportunity to locate evidence.

The extensive search saves a lot of time and increases effectiveness.

4. OSINT SOURCES & RESOURCES

For each 'identifier', mSIS provides a list of on-line sources, that might be accessed by the researcher, to gather relevant material and locate evidence.

Resources are introduced with explanations how to get the best out of resource. All sources & resources display with their link & a short description. Methodologies are explained in the OSINT Research Assistant.

5. SOCIAL MEDIA ADVANCED TOOLS (SMAT)

- Facebook Advanced Search (FBAS) (contact Qwarie for details)
- Twitter Advanced Search
- Grab ID
- LinkedIn e-mail address grab

Coming soon to SMAT: Download Instagram account's Followers & Following lists.

6. THE RESEARCH ASSISTANT WITH SOURCES & RESOURCES

The Research Assistant contains tutorials with advice for locating evidence. Each chapter includes a list of relevant sources & resources. This is an alternative list display of on-line sources and resources, that are otherwise assigned to Identifiers. By default, the sources and resources are categorised by type and jurisdiction, with filtering options.

7. MULTI-SOURCE EVIDENCE GATHERING

Do you have other evidence on your desktop? This might be a contract, a letter, photographs, or evidence taken from a proprietary database, that is not open source.
All of this evidence can be imported into mSIS, so that it is logged and becomes a part of the secure evidence trail, that is hashed on export.

8. THE mSIS TOOLBOX

The toolbox contains several tools to expedite the research process and automatically transfer evidence into mSIS.

- Screenshot
- GrabID
- Domain search
- Web archive search
- Web Page Archive

- Add Attachments
- View/Apply Sources
- Apply to report
- SMAT
- View EXIF

9. SECURITY: THE AUDIT LOG & FILE HASHING

All research activity is recorded in the audit log and evidence is secured on export with hashes for each file. The Audit Log and the hashes log are both saved in the exported Case Bundle.
The audit log records the user-id, timestamp and file name of the evidence as assigned by mSIS, at the point of collection.
A copy of the hashes log is saved as an image, to make evidence tampering almost impossible.
Audit Logs and file hashes logs cannot be deleted.
mSIS has a hash conflict feature, that detects any file that had been modified outside of mSIS.

The auto-logging processes save time and ensure that no security feature is omitted.

10. THE CASE BUNDLE

The Case Bundle is exported out of mSIS and a Case Bundle can be imported into mSIS.
A Case Bundle contains all of the material gathered during the Research process, all of the logs, and the reports.
Where a file has been modified outside of mSIS, so that a new hash value is assigned to the modified file, the hash conflict shall be detected when a Case Bundle is imported into mSIS.
A Case Bundle can be distributed as required, so that any other mSIS user can import a case bundle. The original Case Bundle should be archived, for subsequent hashes verification, so that a copy is distributed.
mSIS encourages best practice and safe processes, so your evidence will not be successfully challenged by a defence counsel.

Each Case Bundle contains:
- All the material that has been gathered
- A Logs folder with the Decision Log, the Audit Log and the Case Notes
- A Reports Folder with the Research Report, the Research File
- A Hashes Folder, with hashes file for all material, saved on each export, including hash record images
- A Court Documents folder, that may be used to upload copies of completed documents, so that all documents relating to the case might reside in the case bundle.

Except for the "Court Documents" files, that are applied outside of mSIS and do not receive a hash value, all items in the Case Bundle are hashed and cannot be deleted.

11. REPORTS

The Research Report and the Research File
A Research Report is auto-generated by mSIS as a PDF, and can be edited within mSIS.
The Research File is auto-generated by mSIS as an MS Word file, and cannot be edited within mSIS.

The Research Report provides for optimal preservation of the evidence.

The Research File allows for easy copy/paste to another report. However, if you wish to preserve the security of the evidence, it is not advisable to use an external report.

The Research Reports edit features allow for all text provided by the report template to be edited. Also, images introduced into mSIS can be safely modified with no compromise of the evidence security.

Images may be cut and cropped. Overlays may be provided to obscure the faces of people or other identifiers that are not pertinent. Pointers, and other markers, can be quickly applied to indicate evidence in an image.

12. THE DECISION LOG & CASE NOTES

Any record made in the decision log or case notes is timestamped with the user id.

These log files are saved to the Case Bundle and are hashed on export.

13. DISCLOSURE

mSIS Core provides for compliant disclosure, where any part of the case bundle may be transferred to any other party, that might participate in the litigation process.

When a Case Bundle is exported out of mSIS, a disclosure reminder displays, with the option to record any disclosure action.

14. PRIVACY & COMPLIANCE

mSIS is GDPR compliant. This is why we avoid google chrome which leaks data to google.

mSIS prevents your researchers from archiving extended social media pages, which might not be a GDPR compliant activity, could compromise your case and incur an ICO sanction.

15. mSIS EXTENSIBILITY

A legal service might use mSIS Edit to prepare a case for litigation. The research report, that is output as a PDF, can be edited within mSIS Edit, so that the security of the evidence is preserved.

Likewise, defendant counsel my deploy mSIS Edit to prepare the defence. Where the defence counsel might wish to enter new evidence to a case, mSIS Core should be deployed.

A court service might deploy the free solution, mSIS Read to view the material presented with the security trail intact.

16. INDUCTION TRAINING

Many researchers find that mSIS is intuitive and easy to adopt. Others prefer to take a 1-day induction training to quickly increase their productivity.

17. DEVELOPMENT & UPDATES

Qwarie has a road map for the further development of mSIS. Customers may suggest new features and amendments.

Updates install automatically, where the Firefox browser setting, 'auto-update' is active for the mSIS extension.

The Changelog, within mSIS notifies users of the details of each update.

Qwarie is constantly updating and adding to the hundreds of on-line information sources. Customers should notify Qwarie of any information source or resource, they might like to have included in mSIS.

18. SUPPORT & COMMUNITY

How-to videos and manuals reduce the requirement for support. For corporate users, Qwarie provides a community where assistance might be received. Qwarie shall supply direct support under a separate contract.

19. ACCESS CONTROL & REPORTING

Each user is identified by a unique ID that might be non-attributable. Only customer admin and supervisor users have access to the credentials and access logs of users with their organisation.

The session of each user is recorded with login and logout date/time and session duration.

20. LICENCES

Each user shall be assigned an account with a separate licence. The organisation admin user has the rights to set-up and delete accounts, so that, in effect, accounts can be assigned to another person.

An organisation might procure multiple licences and administer the accounts as required.

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