# Sensitive Data Discovery

**Structured & Unstructured Data**

**Simon Davey 2018**

# Who are Ground Labs?

- Global software vendor

- Recognised experts in Sensitive Data

- Offices in Australia, Ireland, North America, Singapore (HQ)

- Trusted by over 2,500 companies in 85 countries

# Product Briefing Overview

- Architecture
- Sensitive Data
- Target Types
- Remediation
- Management Interface

**ENTERPRISE RECON**

# Architecture

Enterprise Recon is designed to **identify**, **remediate**, and then **monitor** your organization's sensitive data from a single platform.

Using in-built automation and real-time alert features, keeping your data secure will become just another one of your Business-As-Usual practices.

# Architecture

- **Master Server Virtual Appliance**
  - ISO deployable on bare metal or in a virtual machine
  - On premise
  - Built-in high performance database for centralised report storage
  - Appliance is pre-configured and locked down
  - Engineered to support beyond 50,000 concurrent endpoints
  - Deployable in 15 minutes

- **Web Management Interface**
  - Locked down and hosted on the virtual appliance
  - Integrated with Active Directory for centralised user management
  - Offers both administration and all sensitive data management features
  - No configuration or specialist knowledge required

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# Architecture (cont'd)

- **Scanning is performed locally on the endpoint**
  - Leverages Ground Labs leading sensitive data detection algorithm
  - Lightweight and low impact – designed for live production systems
  - Native Support for 7 platforms + EBCDIC for mainframe data



- **Agentless Scanning + Device Discovery**
  - Master Server discovers new systems and devices on the network
  - Deploy agentless scans directly from management console via existing agents
  - Agentless scans use WMI for Windows and SSH for UNIX and macOS
  - Mixed configuration options available – local agent, agentless, remote scan

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# Sensitive Data Support

As the scope of data continually expands, organisations face increasing difficulty identifying and controlling all sensitive data handling points across an entire enterprise network.

Enterprise Recon enables sensitive data discovery across a broad variety of corporate data repository types whist inspecting all accessible data where sensitive information may be stored.

# Sensitive Data Support

- **PCI DSS – Cardholder Data**
  - Uses algorithm from our leading QSA discovery capabilities
  - Incorporates all PCI DSS card types and more
  - Detect Track 1/Track 2 magnetic stripe prohibited data

- **Privacy and Personally Identifiable Information (PII)**
  - Designed for compliance with global data protection laws
  - Detects over 200 types of PII from over 50 countries
  - Includes national ID cards, HIPAA, personal and financial data

- **Custom Data Types**
  - Design any data based on a consistent pattern using a simple GUI or Ground Labs' built-in scripting language
  - Find evidence of employee fraud, data theft, intellectual property, or combinations of any existing data type.
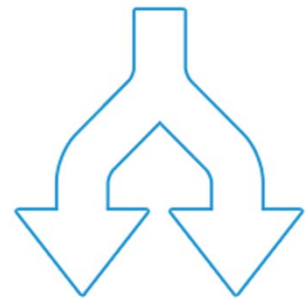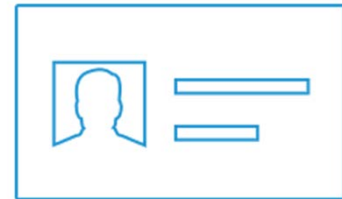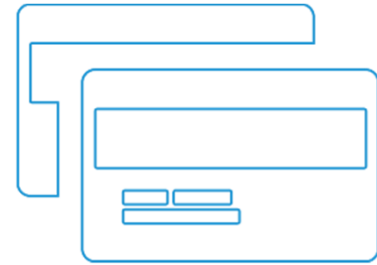
# Sensitive Data Support (cont'd)

- **Financial Data Types**
  - Cardholder Data (PCI DSS)
  - Bank Accounts, SWIFT and IBAN details
  - National Insurance Numbers
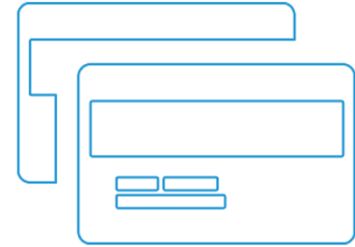
- **Personal Data and Medical Records**
  - Mailing Address / Drivers Licence / Telephone number
  - Health and Care #, NHS Number, Health Insurance Claim
  - European EHIC, Generic License, Passport
  - Personal Name, DOB, Email Address, Login Credentials
  - Additional data types added in each release
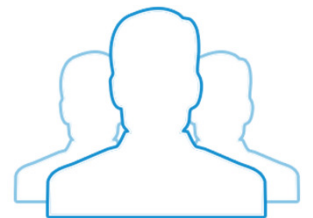
# Target Types

**Enterprise Recon** is built to search both **Structured** and **Unstructured Data** including Local Storage, Network Storage, Deleted Files, Email Servers, Cloud Storage, Databases and more.

# Target Types



## er Data Files

- Any type or source
- Compressed archives
- Files in-use

## Shadow Files

- Temporary Files
- Recovery files
- Shadow volumes

## Deleted Files

- Recycle bin
- File slack space
- Unallocated sectors
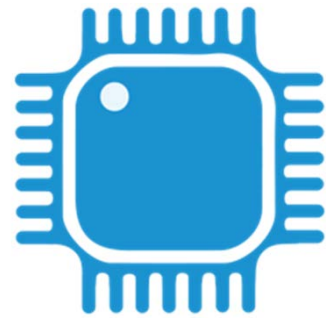
## Data in Memor

- By design
- Poor coding
- Uncontrollable

# Target Types (cont'd)

- **Live Database Support**



- **Scanned Image Suport**
  - Identify sensitive data within faxes and scanned images (150 DPI+)
  - Supports a variety of image file formats

- **Recorded Audio Support**
  - Identify DTMF data in recorded audio (call centres)

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# Target Types (cont'd)

- **Live Email Server Support**
  - Exchange, Office365, Gmail, Lotus Notes, and general IMAP
  - Search all user mailboxes , emails, attachments
  - Delete remediation for Exchange / Office365
  - Additional file-based email on workstations and servers
  - Multiple mail client storage formats supported



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# Target Types (cont'd)

- **Cloud Storage Support**
  - Google Drive, Calendar and Tasks
  - Amazon (AWS) S3 Storage
  - Microsoft Azure Storage
  - Dropbox, Box.net and Microsoft OneDrive for Office 365

- **Websites and SharePoint**
  - SharePoint 2013, 2016, and Online
  - Additional support for generic portals / sites

- **Network Scanning**
  - Scan large SAN / NAS devices
  - SSH based scanning for legacy devices

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# Remediation & Integration Features

**Enterprise Recon** takes its capabilities beyond simply identifying your data storage risks by empowering you with remediation options to take affirmative action on sensitive data.

Combine this with **Enterprise Recon's** centralised user framework for delegation of security issues by triggering immediate alerts directly to the right person to avoid data storage risks from recurring in the future.

# File Remediation

- **Mask In Place**
  - Overwrites sensitive data within existing documents

- **Permanent Delete**
  - Deletes files permanently using secure erase methods
  - Renders data unrecoverable by undelete tools

- **Secure Quarantine**
  - Relocate files to a secure location of your choice
  - Securely overwrites existing location

- **Encrypt**
  - Secure a file within its existing location
  - Moves the file into a AES encrypted zip file

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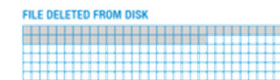
# Enterprise Integration

- **Real-time Alerting**
  - Generate instantaneous alerts when findings identified
  - Supports large number of event types to alert on
  - Set scan-specific alerts and host/group specific alerts

- **SIEM Integration – Syslog**
  - System level events sent to SIEM for correlation
  - Integrate with centralized operational controls

- **Active Directory / LDAP Integration**
  - Central authentication based on AD user credentials
  - Greater control of user-level permissions

Alert! Cardholder data found.

SYSLOG

Windows Server
Active Directory
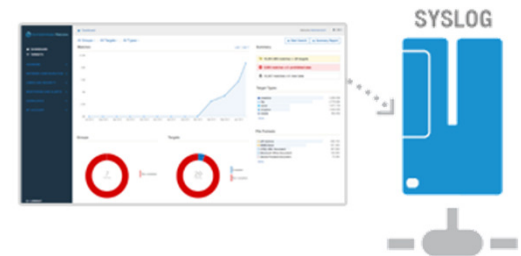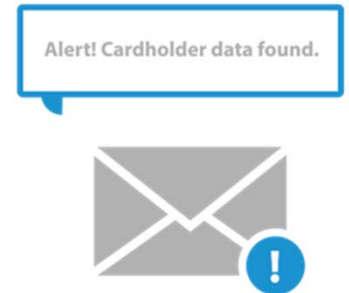
# Management Interface

**Powerful software is of little value if people find it hard to use.**

Ground Labs have invested significant time designing an interface for Enterprise Recon v2.0 that is powerful yet simple, delivering the information you need in a clear and concise manner whilst offering the ability to quickly drill down into your organisation to view the exact detail of issues that represent the highest risk.

ENTERPRISE RECON

Enter Your Username

Enter Your Password

Remember me      Forgot password?

**LOGIN**

ERPRISE RECON

**All Groups ▾** / **All Targets ▾** / **All Types ▾**

🔍 Start Search | ⬇ Summary

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**Matches**                                     Last 10 years ▾

25M

20M

15M

10M

5M

0M
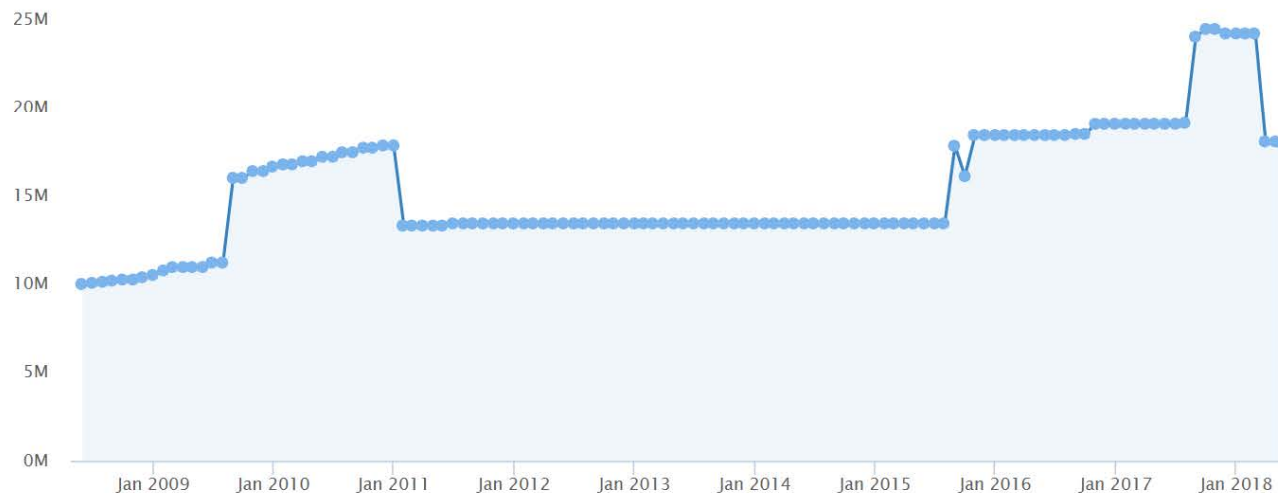        Jan 2009  Jan 2010  Jan 2011  Jan 2012  Jan 2013  Jan 2014  Jan 2015  Jan 2016  Jan 2017  Jan 2018

**Summary**

☁ **17,611,990 matches** in **11 targets**

⛔ **319,941 matches** with **prohibited data**

🧪 **261,600 matches** with **test data**

**Target Types**

🖴 file
☁ dropbox
📁 office365
🗂 awss
🖵 memory

**Groups**

6
TOTAL

▮ Not Scanned
▮ Non-compliant
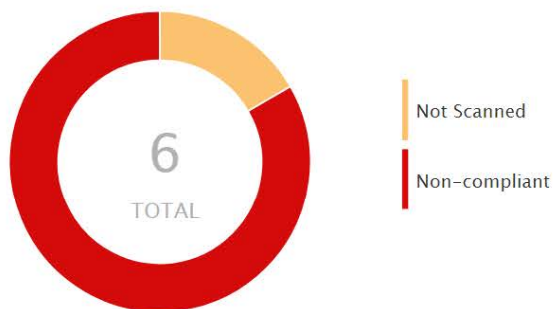
| | |
|---|---|
| CLOUD STORAGE | 7,640,122 |
| POC-LIVE-SCAN | 4,760,074 |
| CALLCENTRE | 4,297,042 |
| DB SERVERS | 659,375 |
| TECHNOLOGY TEAM | 0 |

**Targets**

11
TOTAL

▮ Compliant
▮ Not Scanned
▮ Non-compliant
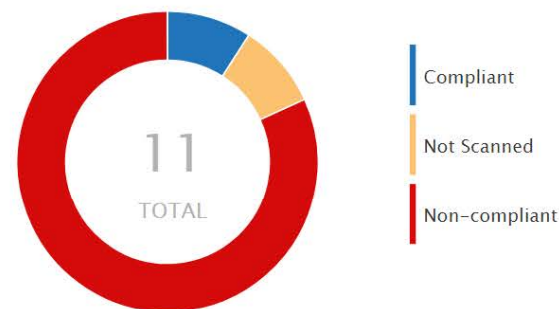
| | |
|---|---|
| DROPBOX:STAFF2@GROUNDLABS.... | 4,916,079 |
| IP-172-31-30-250 | 4,760,074 |
| WKS-001 | 4,297,042 |
| DROPBOX:STAFF3@GROUNDLABS.... | 2,440,026 |
| OFFICE365:GROUNDLABS.ONMICR... | 575,318 |
| AWSS3:GL-STORE4SCAN | 229,751 |

**File Formats**

📄 **Microsoft Office Document**
📄 ZIP Archive
🗄 Microsoft Access Database
📄 UNIX Tape Archive
✉ Microsoft Exchange Database
📕 Adobe Portable Document
📄 7zip Archive
🗄 Lotus Notes Database
📄 RAR Archive
📄 GZip Archive
🖼 Outlook Mail Database
📄 UTF16 Encoded Text
🗄 SQLite Database
🗄 Microsoft SQL Server Database
🖼 JPG Image
🔊 WAV Media

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Targets

All Groups ▾ / All Targets ▾ / All Types ▾

🔍 Start Search   ⬇ Target Group R

| ☐ Targets | Comments | Searched ⬍ | Matches |
|---|---|---|---|
| ☐ ▼ **POC-LIVE-SCAN** | | | ⊖ 32 Prohibited 🔖 4,760,042 Matches 🔖 1,556 Test |
| ☐ ▶ 🐧 IP-172-31-30-250 | | 25 weeks ago | ⊖ 32 Prohibited 🔖 4,760,042 Matches 🔖 1,556 Test |
| ☐ ▼ **EMAIL SERVERS** | | | ⊖ 12 Prohibited 🔖 575,306 Matches 🔖 248,665 Test |
| ☐ ▶ ☁ OFFICE365:GROUNDLABS.ONMICROSOFT.COM | | 5 weeks ago | ⊖ 12 Prohibited 🔖 575,306 Matches 🔖 248,665 Test |
| ☐ ▼ **TECHNOLOGY TEAM** | | Not searched | ❗ Not searched |
| ☐ ▶ 🐧 PWC-TESTAGENT | | Never | ❗ Not searched |
| ☐ ▼ **CALLCENTRE** | | | ⊖ 319,862 Prohibited 🔖 3,977,180 Matches 🔖 11,233 Test |
| ☐ ▶ ⊞ WKS-001 | | 4 weeks ago | ⊖ 319,862 Prohibited 🔖 3,977,180 Matches 🔖 11,233 Test |
| ☐ ▼ **CLOUD STORAGE** | | | ⊖ 35 Prohibited 🔖 7,640,087 Matches 🔖 146 Test |
| ☐ ▶ ☁ AWSS3:GL-STORE4SCAN | | 2 weeks ago | ⊖ 32 Prohibited 🔖 229,719 Matches 🔖 88 Test |
| ☐ ▶ ☁ DROPBOX:STAFF2@GROUNDLABS.COM | | 4 weeks ago | ⊖ 3 Prohibited 🔖 4,916,076 Matches 🔖 54 Test |
| ☐ ▶ ☁ DROPBOX:STAFF3@GROUNDLABS.COM | | 5 weeks ago | 🔖 2,440,026 Matches |
| ☐ ▶ ☁ DROPBOX:STAFF1@GROUNDLABS.COM | | 12 weeks ago | 🔖 54,266 Matches 🔖 4 Test |
| ☐ ▼ **DB SERVERS** | | | 🔖 659,375 Matches |
| ☐ ▶ 🐧 DBLINUX3 | | 1 weeks ago | 🔖 319,194 Matches |
| ☐ ▶ 🐧 DBLINUX2 | | Never | ❗ Not searched |
| ☐ ▶ 🐧 DBLINUX1 | | 14 weeks ago | 🔖 340,181 Matches |

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🖊 **Remediate** ▾   ⊖ Stop Remediation

▼ **Filter**   Search Location 🔍   📤 **Targe**

| Filter | 🏷 Clear All | | | | | |
|---|---|---|---|---|---|---|
| | | ☐ **Location** | ⇕ | **Owner** | ⇕ **Types** | ⇕ **Status** |
| ☐ ▶ | Cardholder Data (54046) | ☐ 📄 2007 records/httpd.log | | | ☁ 13,324 Matches | |
| ☐ ▶ | Test Data (4) | ☐ ▶ 📄 2007 records/testdata.zip | | | ☁ 13,612 Matches | |
| ☐ ▶ | Personal Details (57) | ☐ 📄 2007 records/txn_engine.log | | | ☁ 83 Matches | |
| ☐ ▶ | Financial Data (19) | ☐ ▶ 📄 2008 records/document/2009 class.docx | | | ☁ 1 Match | |
| ☐ ▶ | National ID (99) | ☐ ▶ 📄 2008 records/document/manual-entries-12_December_2010.xls | | | ☁ 1 Match | |
| ☐ ▶ | Patient Health Data (29) | ☐ ▶ 📄 ABC/Declaration of Consent form.pdf | | | ☁ 2 Matches | |
| ☐ ▶ | Other Data (16) | ☐ ▶ 📄 ABC/Easter 2017 Booking Form.pdf | | | ☁ 2 Matches | |
| | | ☐ ▼ 📄 ABC/Employee Summary - Rose Woods.docx | | | ☁ 9 Matches | |
| | | ☐      📄 document | | | ☁ 9 Matches | |
| | | ☐ ▶ 📄 ABC/Fraudulent Members.docx | | | ☁ 4 Matches | |
| | | ☐ ▶ 📄 ABC/Fraudulent Members.pdf | | | ☁ 4 Matches | |
| | | ☐ ▶ 📄 ABC/Transactions to Investigate.pdf | | | ☁ 5 Matches | |

☁ 9 Matches

▼ Patient Health Data (1)
🇬🇧 47######56
▼ Financial Data (1)
☁ GB29 NWBK ############2
▼ Personal Details (5)
☁ Ro######ds
☁ 17######83
🇬🇧 018####33 338
☁ Dan### Woods
🇬🇧 019####84 246

**Country of origin** : United Kingdom
**Document created** : Nov, 15 2017 08:18
**Document creator** : Administrator

▼ View all info

```
Employee Summary Form
Name: Ro######ds
Gender: Female
DOB: 17######83
Salary: £24,000
Religion: Orthodox
Address: 5 Bakers Wood, Denham, Uxbridge, Buckinghamshire
Phone: 018####33 338
Bank Account: GB29 NWBK ###########268 19
NHS Number: 47######56
```

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**✳ Remediate ▾**    **⊖ Stop Remediation**    **▼ Filter**    Search Location    🔍    **⬇ Target**

| ☑ Location | Owner | Types |
|---|---|---|
| ☐ ▶ ▤ 2009 records/accounts-2009-07-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2009 records/accounts-2009-08-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2009 records/accounts-2009-09-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2010 records/accounts-2010-01-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2010 records/accounts-2010-02-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2010 records/accounts-2010-03-01.xls | | 🔵 63,794 Matches |
| ☐ ▶ ▤ 2010 records/accounts-2010-04-01.xls | | 🔵 63,794 Matches |
| ☑ ▼ ▤ 2010 records/accounts-2010-05-01.xls | | 🔵 63,794 Matches |
| ☑      ▤ (ms excel) | | 🔵 63,794 Matches |

🔵 1,000 Matches

▼ Cardholder Data (961)

VISA 422858######6364
🟥 357983######0693
VISA 427977######1603
VISA 454942######5926
🔴 556510######8210
VISA 468060######4918
VISA 496973######5129
VISA 417779######238/

▤ (ms excel)

   ▼ View all info

Sina,Bustard,255 Pospishil Ln,Riley NC,**422858######6364**,1/11
Anika,Huhtasaari,393 Croom Ln,Horatio AR,**357983######0693**,2/12
Chiquita,Vlchek,416 Sadik Pl,Bethel Gospel Park OR,**427977######1603**,7/11
Justine,Carlino,372 Sauberan St,Bath SC,**454942######5926**,10/12
Nieves,Keaney,120 Sorg Rd,Medway NY,**556510######8210**,12/11
Sherrell,Mosby,346 Riese Pl,Alder CO,**468060######4918**,11/12
Vasiliki,Medick,518 Terpstra Rd,Normandee Heights FL,**496973######5129**,8/12
Georgeann,Zehrbach,930 Knittel Ln,Claridon OH,**417779######2384**,11/11
Tiffani Hariri 257 Halligan St Chaparral West UT **451079######1188** 12/12

**✉ Remediate**

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🖋 **Remediate** ▾      ⊘ **Stop Remediation**

**Act directly on this file**

Mask all sensitive data
Eg. Replace '1234560000001234' with '123456XXXXXX1234'

Quarantine
Move this to a location you know is secure

Delete Permanently
Delete this from its location permanently

Encrypt file
Secure the file content using an AES protected ZIP file

**Mark location for compliance report**

**Confirmed**
**You know this contains sensitive data**

Remediated manually
You fixed this yourself outside of the application

Test Data
This contains only test data that is not real

False match
You've verified this doesn't have sensitive data

Remove mark
Remove the existing status mark

▼ **Filter**    Search Location    🔍    ⬇ **Target**

Owner                    **Types**

🌐 63,794 Matches

🌐 63,794 Matches

🌐 63,794 Matches

🌐 63,794 Matches

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il Ln,Riley NC,**422858######6364**,1/11

Anika,Huhtasaari,393 Croom Ln,Horatio AR,**357983######0693**,2/12

VISA 427977######1603    Chiquita,Vlchek,416 Sadik Pl,Bethel Gospel Park OR,**427977######1603**,7/11

VISA 454942######5926    Justine,Carlino,372 Sauberan St,Bath SC,**454942######5926**,10/12

🔴 556510######8210    Nieves,Keaney,120 Sorg Rd,Medway NY,**556510######8210**,12/11

VISA 468060######4918    Sherrell,Mosby,346 Riese Pl,Alder CO,**468060######4918**,11/12

VISA 496973######5129    Vasiliki,Medick,518 Terpstra Rd,Normandee Heights FL,**496973######5129**,8/12

VISA 417779######238∧    Georgeann,Zehrbach,930 Knittel Ln,Claridon OH,**417779######2384**,11/11

Tiffani Hariri 257 Halligan St Chaparral West UT **451079######1188** 12/12

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🔧 **Remediate** ▼     ⊘ **Stop Remediation**          ▼ **Filter**   Search Location     🔍     ⬆ **Tar**

| Filter | ❥ **Clear All** | ☐ Location | Types | Status |
|---|---|---|---|---|
| ☐ ▶ Cardholder Data | | ☐ 📄 2006 Records/httpd.log | ☁ 1,526,080 Matches  🔥 23 Test | ✓ Confirmed Match |
| ☐ ▶ Test Data | | ☐ ▼ 📄 2007 Records/accounts-2011-02-24.xls | ☁ 2,595 Matches | ✓ Confirmed Match |
| ☐ ▼ Personal Details | | ☐ 📄 (ms excel) | ☁ 2,595 Matches | ✓ Confirmed Match |
| ☐ Passport Number | | | | |
| ☐ Date Of Birth | | ☐ 📄 2007 Records/original - (5).txt | ☁ 50 Matches | ✓ Confirmed Match |
| ☐ Personal Names | | | | |
| ☐ Login credentials | | ☐ 📄 2007 Records/original - (7).txt | ☁ 50 Matches | ✓ Confirmed Match |
| ☐ ▼ Financial Data | | ☐ 📄 2007 Records/original - (8).txt | ☁ 50 Matches | ✓ Confirmed Match |
| ☐ Generic Bank Account Number | | ☐ 📄 2007 Records/original - (9).txt | ☁ 50 Matches | ✓ Confirmed Match |
| ☐ ▶ National ID | | ☐ 📄 2007 Records/original - (6).txt | ☁ 50 Matches | |
| ☐ ▶ Patient Health Data | | | | |
| ☐ ▶ Custom Data | | ☐ 📄 2007 Records/original - (10).txt | ☁ 50 Matches | |

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☁ 1,000 Matches

**Cardholder Data (961)**

VISA 422858######6364
🔲 357983######0693
VISA 427977######1603
VISA 454942######5926
⬤ 556510######8210
VISA 468060######4918
VISA 496973######5129
⬤ 526510######8212 ▼

📄 (ms excel)

   ▼ View all info

Sina,Bustard,255 Pospishil Ln,Riley NC,**422858######6364**,1/11
Anika,Huhtasaari,393 Croom Ln,Horatio AR,**357983######0693**,2/12
Chiquita,VIchek,416 Sadik Pl,Bethel Gospel Park OR,**427977######1603**,7/11
Justine,Carlino,372 Sauberan St,Bath SC,**454942######5926**,10/12
Nieves,Keaney,120 Sorg Rd,Medway NY,**556510######8210**,12/11
Sherrell,Mosby,346 Riese Pl,Alder CO,**468060######4918**,11/12
Vasiliki,Medick,518 Terpstra Rd,Normandee Heights FL,**496973######5129**,8/12
Georgeann,Zehrbach,930 Knittel Ln,Claridon OH,**417779######2384**,11/11
Tiffani,Hariri,257 Halligan St,Chaparral West UT,**451079######1188**,12/12

| Plain text |
|---|
| EBCDIC |

🖼 **Remed**

①────②────③────④
Select Locations    Select Data Types    Set Schedule    Confirm Details

☐ **All Groups**

☑ ▸ All data in group CALLCENTRE

☐ ▾ All data in group CLOUD STORAGE

☐ ❖ Dropbox Location in group CLOUD STORAGE    Edit

☑ ▸ ☁ All data on target DROPBOX:STAFF1@GROUNDLABS.COM

☐ ▸ ☁ All data on target DROPBOX:STAFF2@GROUNDLABS.COM

☐ ▸ ☁ All data on target DROPBOX:STAFF3@GROUNDLABS.COM

☐ ▾ All data in group DB SERVERS

☐ 🖴 All local files in group DB SERVERS    Edit

☑ 🗔 All local process memory in group DB SERVERS    Edit

☐ ▸ 🐧 All data on target DBLINUX1

**Selected Locations**

• All data in group CALLCENTRE

• ☁ All data on target DROPBOX:STAFF1@GROUNDLABS.COM

• 🗔 All local process memory in group DB SERVERS

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① ——— ② ——— ③ ——— ④
Select Locations   Select Data Types   Set Schedule   Confirm Details

# Search 2 locations

GDPR and other data types available

| Data Type Profiles | Version | Owner | Last Modified |
|---|---|---|---|
| ☐ 🔒 All Cardholder Data 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 Australian Health Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 Australian Personal Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 Bank Account Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 Canadian Personal Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 European Health Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 GDPR Profile - 28 EU Countries | v1 | scavey | 14 Jul 2017 |
| ☐ 🔒 Login Credentials 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 New Zealand Personal Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 PCI Compliance 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 Robust-GDPR-EU 👤 | v1 | | 14 Jul 2017 |
| ☐ 🔒 UK Health Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 UK Personal Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 USA Health Information 👤 | v1 | | 24 Apr 2018 |
| ☐ 🔒 USA Personal Information 👤 | v1 | | 24 Apr 2018 |

**Filter by...**

Search by Name

☑ Shared with Me
☐ Archived

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**Data Type Profile Label:** [ Our Company Data Profile ]

## Search for...

| Cardholder Data |
| National ID Data |
| Patient Health Data |
| Financial Data |
| Personal Detail Data |
| Custom Data |

### Options

Advanced Features

### Choose Categories of National ID Data

| Regions ▼ | |
| --- | --- |
| All | 0 |
| Africa | 0 |
| Asia | 0 |
| Europe | 0 |
| Middle East | 0 |
| North America | 0 |
| Oceania | 0 |
| South America | 0 |
| Countries ▶ | |

◉ Robust Search
Less results, less false matches

◯ Relaxed Search
More results, more false matches

☐ **All National ID Data**

| | |
| --- | --- |
| ☐ Australian Tax File Number | ⬩ Customise |
| ☐ Austrian SSN | ⬩ Customise |
| ☐ Belgian National Number | ⬩ Customise |
| ☐ Brazilian CPF | ⬩ Customise |
| ☐ Brazilian Registro Geral | ⬩ Customise |
| ☐ Canadian Social Insurance Number | ⬩ Customise |
| ☐ Chilean RUN | ⬩ Customise |
| ☐ Croatian OIB | ⬩ Customise |
| ☐ Czech Republic RC | ⬩ Customise |
| ☐ Danish CPR | ⬩ Customise |
| ☐ Dutch Burgerservicenummer | ⬩ Customise |
| ☐ Finnish HETU | ⬩ Customise |
| ☐ French INSEE | ⬩ Customise |
| ☐ Gambian National Identification Number | ⬩ Customise |
| ☐ Greek AFM | ⬩ Customise |
| ☐ Greek AMKA | ⬩ Customise |
| ☐ Hong Kong ID | ⬩ Customise |
| ☐ Icelandish Kennitala | ⬩ Customise |

# PII Examples – over 200 types from 50 countries available

## Patient Health Data

| | |
|---|---|
| Australian Healthcare Identifier - Organisation | ⚒ Customise |
| Australian Individual Healthcare Identifier | ⚒ Customise |
| Australian Medicare Card | ⚒ Customise |
| Australian Medicare Provider | ⚒ Customise |
| Canadian Health Service Number | ⚒ Customise |
| Canadian Personal Health Identification Number (PHIN) | ⚒ Customise |
| Drug Enforcement Agency Number | ⚒ Customise |
| European EHIC | ⚒ Customise |
| United Kingdom Community Health Index | ⚒ Customise |
| United Kingdom Health and Care Number | ⚒ Customise |
| United Kingdom National Health Service Number | ⚒ Customise |
| United States Health Insurance Claim Number | ⚒ Customise |
| United States Health Plan Identifier | ⚒ Customise |
| United States National Provider Identifier | ⚒ Customise |

## ☐ All Financial Data

| | |
|---|---|
| ☐ Australian Bank Account Number | ⚒ Customise |
| ☐ Australian Business Number | ⚒ Customise |
| ☐ Australian Company Number | ⚒ Customise |
| ☐ Canadian Bank Account Number | ⚒ Customise |
| ☐ Generic Bank Account Number | ⚒ Customise |
| ☐ International Bank Account Number (IBAN) | ⚒ Customise |
| ☐ ISO8583 message with PAN | ⚒ Customise |
| ☐ Israeli Bank Account Number | ⚒ Customise |
| ☐ Japanese Bank Account Number | ⚒ Customise |
| ☐ SWIFT Code | ⚒ Customise |
| ☐ United Kingdom VAT Number | ⚒ Customise |
| ☐ United States Bank Account Number | ⚒ Customise |
| ☐ United States Routing Transit Number | ⚒ Customise |

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| **Personal Details Data** | | ☐ License Number | 🔧 Customi |
|---|---|---|---|
| ustralian Driver License Number | 🔧 Customise | ☐ Login credentials | 🔧 Customi |
| ustralian Mailing Address | 🔧 Customise | ☐ New Zealand Mailing Address | 🔧 Customi |
| ustralian Passport Number | 🔧 Customise | ☐ New Zealand Telephone Number | 🔧 Customi |
| ustralian Telephone Number | 🔧 Customise | ☐ Passport Number | 🔧 Custom |
| anadian Mailing Address | 🔧 Customise | ☐ Personal Names | 🔧 Custom |
| anadian Passport Number | 🔧 Customise | ☐ Polish Passport Number | 🔧 Customi |
| anadian Telephone Number | 🔧 Customise | ☐ Swedish Passport Number | 🔧 Customi |
| ate Of Birth | 🔧 Customise | ☐ Turkish Telephone Number | 🔧 Custom |
| mail addresses | 🔧 Customise | ☐ United Kingdom Driver License Number | 🔧 Customi |
| rench Driver License Number | 🔧 Customise | ☐ United Kingdom Electoral Roll Number | 🔧 Customi |
| rench Passport Number | 🔧 Customise | ☐ United Kingdom Mailing Address | 🔧 Custom |
| erman Driver License Number | 🔧 Customise | ☐ United Kingdom Telephone Number | 🔧 Customi |
| erman Passport Number | 🔧 Customise | ☐ United States Driver License Number | 🔧 Customi |
| P Address | 🔧 Customise | ☐ United States Mailing Address | 🔧 Customi |
| alian Driver License Number | 🔧 Customise | ☐ United States Telephone Number | 🔧 Customi |
| apanese Driver License Number | 🔧 Customise | | |
| apanese Passport Number | 🔧 Customise | | |
| cense Number | 🔧 Customise | | |

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**OUT**

**Data Type Profile Label:** | Our Company Data Profile |

**Search for...**

🖻
Cardholder Data

🪪
National
ID Data

🩺
Patient Health
Data

🏛️
Financial Data

👥
Personal
Detail Data

⚕
**Custom Data**

**Options**

🛠️
Advanced
Features

**Choose Custom Expressions**

☑ Airline Miles Account Number

☑ Investigation Request ID #78197394 - Mrs Jane Wilkinson

☑ Marketing Team - Clean Your Room

☑ Find Name and Passport on the same line as each other

**+ Add Custom Data Type**

## Add Custom Data Type (top-left)

**Describe Your Data Type**

rline Miles Account Number

Add Rules [ Character ▲▼ ]     View rules as expression

[ Alphanumeric ▲▼ ]

peats [ 0 ▲▼ ] to [ 2 ▲▼ ] times     [ + Add ]

rase     [ AA ]     Delete

aracter [ Digit ▲▼ ] repeats [ 0 ▲▼ ] to [ 7 ▲▼ ] times     Delete

aracter [ Alphanumeric ▲▼ ] repeats [ 0 ▲▼ ] to [ 2 ▲▼ ] times     Delete

Advanced Options

[ Confirm ] [ Cancel ]

---

## Add Custom Data Type (top-right)

**Describe Your Data Type**

[ Investigation Request ID #78197394 - Mrs Jane Wilkinson ]

ⓘ **Add Rules** [ Phrase ▲▼ ]     View rules as expression

[ ] [ + Add ]

Phrase [ Jane Wilkinson ]     Delete

Phrase [ 45 Roaming Drive ]     Delete

Phrase [ 89387465934 ]     Delete

▶ Advanced Options

[ Confirm ] [ Cancel ]

---

## Add Custom Data Type (bottom-left)

**Describe Your Data Type**

arketing Team - Clean Your Room

Add Rules [ Phrase ▲▼ ]     View rules as expression

[ ] [ + Add ]

edefined [ Email addresses ▲▼ ]     Delete

Advanced Options

Ignore duplicates

Minimum match count [ 500 ▲▼ ]

[ Confirm ] [ Cancel ]

---

## Add Custom Data Type (bottom-right)

**Describe Your Data Type**

[ Find Name and Passport on the same line as each other ]

ⓘ **Add Rules** [ Predefined ▲▼ ]     View rules as expression

[ Passport Number ▲▼ ] [ + Add ]

Predefined [ Personal Names ▲▼ ]     Delete

Character [ Same line ▲▼ ] repeats [ 0 ▲▼ ] to [ 1 ▲▼ ] times     Delete

Predefined [ Passport Number ▲▼ ]     Delete

▶ Advanced Options

[ Confirm ] [ Cancel ]

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(1) —————— (2) —————— (3) —————— (4)
Select Locations   Select Data Types   Set Schedule   Confirm Details

## Search 4 locations

**Schedule Label**   [ Regular Weekly Scan - Call Centre ]

○ Scan Now          **Or**          ⦿ Schedule          [ 24/07/2016 ] 📅  At  [ 2:30am ]

**How Often?**       [ Every week                               ▾ ]

**After Search?**    ○ Do Nothing          ⦿ Notify

                        ▶ NOC@acme.com, compliance@acme.com   ✕

                        ➕ Add Notification

▾ **Advanced Options**

**Automatic Pause Scan Window**

Pause From  [ 8:00am ]  To  [ 6:00pm ]

Pause on which days?
S **M T W T F** S

**Limit CPU Priority**

ⓘ *Prioritise the utilitsation of CPU resources compared with the other applications. This setting will only be applied to the local system.*

⦿ Low Priority   ○ Normal Priority

**Limit Search Throughput**

ⓘ *Set the maximum data throughput the application can use when searching each target.*

☑ Limit Data Throughput Rate

[ 3 ]                           megabytes per second

# Platform Support Summary

**Enterprise Storage – Servers, Cloud, Databases, Big Data**

Windows Server · Linux · FreeBSD · ORACLE SOLARIS · hp ux · IBM AIX · NAS / SAN File Shares

Microsoft Azure Blobs, Tables, Queues · amazon web services S3 · RACKSPACE CLOUD FILES · SharePoint · WWW WEBSITE CONTENT SCANNING

Microsoft SQL Server · SAP SYBASE · PostgreSQL · MySQL · IBM Informix software

ORACLE · IBM DB2 · TERADATA · TIBERO · hadoop

**User Storage – Workstations, Cloud, Email**

Windows · macOS · Exchange · Gmail · IMAP

Office 365 · OneDrive · G Suite · Dropbox · box · Lotus Notes IBM

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