

Digital Pathways

Harlow Enterprise Hub, Edinburgh Way, Harlow CM20 2NQ

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Security Services Menu

Digital Pathways has a full range of Security Services, some of which are also offered as a fully managed service, to match your business needs in a flexible, cost efficient manner.

Secure Log Management and Reporting

Provides secure log storage and periodic reporting of access for your servers and devices regardless of location.

- Logs are integrity monitored (the logs are not changed in any way)
- Logs are encrypted with a 256bit AES encryption code.
- Logs are stored in secure appliance.
- Periodic reports are sent via email to nominated individuals detailing the activity specified in the reports.
- Raw Logs can be made available at any time for audit or regulatory / law enforcement analysis.

Secure Log Archival and Audit Analysis

We can provide verifiable secure storage and analytic tools which give your auditor immediate protected, verifiable access to your organisations logs, without disrupting your organisations day to day operations, or requiring staff to be at the disposal of the auditor.

- Logs are integrity monitored (the logs are not changed in any way).
- Logs are encrypted with a 256bit AES encryption code.
- Logs are stored in a secure appliance or within our datacenter.
- Access is via a secured connection to a management console.
- Raw Logs can be made available at any time for audit or regulatory / law enforcement analysis.

Transparent Data Encryption

All formats of data can be protected using our transparent data encryption services for any sensitive information residing on your servers whether they are cloud based or within your local network environment, without any changes to the server operation or modification to the application.

- Providing cryptographically strong key storage.
- Robust access controls to protected data.
- Completely transparent to existing applications.
- Very low impact to services and performance.
- Strongly protected encryption keys residing within the European Union.
- Invisible to authorised users of the data and no training required to use the system.

The logo for Global Aware International features a stylized 'GA' in a purple font. The 'G' and 'A' are interconnected, with the 'A' having a thick, rounded stem. Below the 'GA' is the text 'Global Aware International' in a clean, sans-serif font, also in purple. Underneath this, in a smaller font, is the tagline 'Counter Terrorist Solutions and Intelligent Software Consultants'.

Global Aware International
Counter Terrorist Solutions and Intelligent Software Consultants

Global Aware International are market leaders in counter terrorist, security and intelligent software solutions and work for many of the world's 'Blue Chip' companies.

"As a highly regarded protection solutions provider to global companies we wanted to ensure that our own data, and that of all our clients, was robustly protected so that even if a 'hack' situation arose the data would continue to be secured.

This requirement was not purely driven by best practice but also for the need for reputation and brand protection as well as a requirement of our ISO 2701 accreditation. We have been very impressed with the service, its reliability and the information on activities it is giving us.

We definitely will be expanding our service with Digital Pathways and feel secure in being able to recommend them to our global client base."

Robin Rumsam
Finance Director, GAI

Oracle and Microsoft SQL Server Encryption

We can offer secure PKCS11 key storage for your cryptographic keys relating to your Oracle or Microsoft SQL servers regardless of its location.

- Secure key storage and management.
- Keys not stored with the Database server.
- Keys not available to the Database Administrator at any time.
- TDE/wallet keys stored in multiple secure tamper proof appliances.
- We have no access to your encryption keys at any time.

Server Clocking

Secure from the inside out

Network architecture has become more complex over the years with Network segmentation (or air gap networks) becoming the norm to segregate company departments. This proves expensive to implement and manage with multiple points of failure. By clocking the servers we have the ability to create software level Network virtualisation to create trust relationships between appliances across a vast range of operating systems with AES256 encryption whilst data is in transit.

- Conceals communication endpoints making them undetectable to all unauthorised parties inside and outside the enterprise
- Implements with no disruption to your existing IT infrastructure, it merely rests on top
- Tightens access control by basing it on user identity and not physical devices, so security moves with the user and is easier to manage
- Protects sensitive data in motion from potential compromise through encryption
- Reduces costs by allowing you to consolidate and virtualise networks, servers, and cloud architectures
- Helps executives future-proof their security investments by aligning with enterprise transformation trends

Active Directory Management

Today, a large majority of companies face the problem that there is a distinct lack of tools and resources, to offer a fast and simple overview of which users have access to which data. This uncontrolled growth of access rights leaves the company's critical data unprotected, leading to a security risk with real financial and business impacts

8MAN is a unique access rights management solution that brings a new level of handling complex tasks related to user-provisioning, tracking and monitoring – helping businesses establish a robust security framework to successfully minimise exposure to insider threats.

SECURITY THROUGH EVOLUTION

8MAN's unique scan technology provides outstanding speed within a stable multi-layer architecture.

BROWSE PERMISSIONS

The 8MAN graphical interface displays the existing rights situation in AD group structures



Specialist Communications offer a range of online trading and reporting solutions for the finance sector.

A new service we launched was to secure all voice calls and needed a flexible, scalable solution to securely store all calls in a format which could be proven not to have been tampered with.

We did not want to build our own system and so we turned to Digital Pathways to help build a system which encrypted all call files into a third party managed data store. This 'store' was locked down and only accessible by a registered client. These accesses are logged and provide evidence of who accessed and when. Given the data is encrypted, there is no way any unauthorised person could view the data nor any of the operators within the third party data store.

The major benefits we found were in transparency to our application, no increase in data volume due to encryption, performance and cost management.

Jonathan Clark
Director at Speccom



ACCESS REPORTS

Easily run reports on all file server and SharePoint environments, automatically and effortlessly

MANAGE USERS

Easily create or edit user accounts in Active Directory or assigning rights on file servers / SharePoint

INVOLVE DATA OWNERS

Data Owner functionality allows department heads to decide who can access their files and directories.

TEMPORARY PERMISSIONS

Project staff, trainees or temporary employees are automatically withdrawn after a predefined time.

GLOBAL LOGBOOK

All actions performed within 8MAN are recorded in a global logbook.

Automated Server Compliance Auditing and Reporting

By working with you to develop a set of criteria your servers must achieve, we can then integrate this into our automated Auditor tool to generate periodic compliance reports. This information enables you to track patch levels, software and domain policy, applications and trends across all your servers giving you and your auditor visual and immediate information on your systems. This is then used to demonstrate your corporations' compliance with regulations, governance and best practice policies.

Managed Gateway and Endpoint Services

We can install, configure and manage your internet gateway, providing

- Secure email encryption
- Country control (geographical region blocking)
- Gateway e-mail antivirus and spam scanning
- Desktop antivirus device control and encryption.
- Web scanning and application control (Skype, Facebook etc.)
- Secured WiFi with Guest privileges if required

Protective Marking of Documents and Emails

We can install and manage a flexible solution for protective marking of any document or email created within your organisation, providing

- Multi-level options for document classification
- Detailed auditing of document control and violations
- Control of document leakage or inappropriate emailing of information
- Not limited to documents but can be applied to images, PDF's and Web Outlook emails

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About Digital Pathways

Digital Pathways has been in the data security market for over 20 years, originally bringing the Defender remote access solution to the UK market. Now Digital Pathways has a range of solutions to meet today's complex requirements for compliance and data privacy.

Digital Pathways' success is based on its team who bring together some of the very best minds in the business; professionals who are both highly trained in data security, have worked extensively in the commercial world and know how their solutions work in practice. Theory is the starting block; practical, successful application is the end result

The methodology for a safer digital journey

In today's ever changing technology landscape, most companies are continually faced with compliance and regulatory standards that must be enforced, monitored and a clear audit log available at all times. Digital Pathways can provide solutions to address all such data security challenges that are required now and also to enable future proofing the organisation against new or modified compliance regulations or changes to the business environment, such as outsourcing services.

Many organisations grow their security infrastructure over time and with little thought on a structured process. This leads to difficulties in management and control and often results in systems being added which duplicate the same process. This issue need not be the case as the benefit to an organisation in selecting 'best of breed' is still the correct method, what is needed is a way to link all these systems and processes together into a cohesive process. This is where Digital Pathways can help, either by complementing existing solutions with others, working with the organisation to develop policies or to install and maintain a completely new structured solution.

Introduction

Digital Pathways brings a wealth of experience to the data security market and has devised a unique methodology for securing data based on a simple traffic light system:



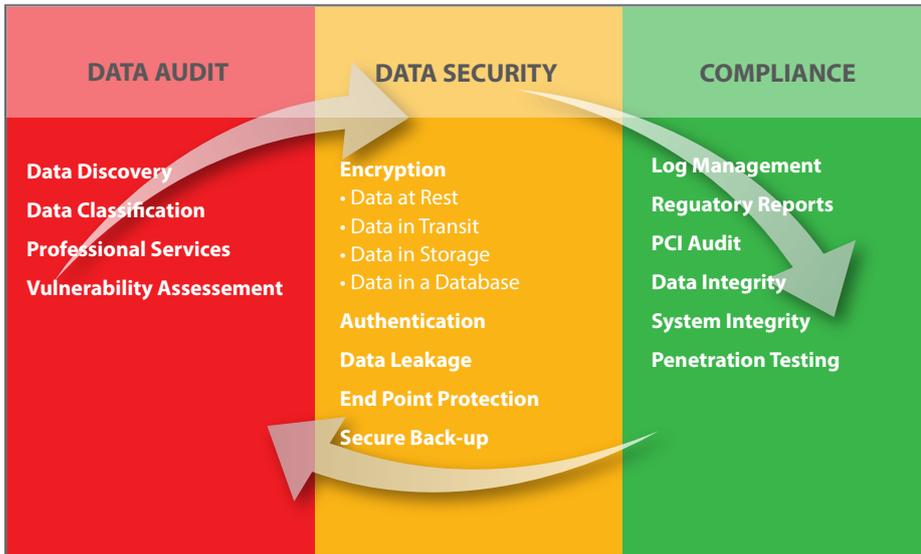
1. **Red** - stop and classify/discover the data and check for any vulnerability within the network or application.
2. **Amber** - secure the data.
3. **Green** - go. With data fully compliant.

This is by no means a linear process, at any point where noncompliance is found the process is temporarily halted, remedial action taken and once the "green-light" is given all systems are deemed compliant and secure. This is a continual process that is transparent until any vulnerability is detected and the remedial process is initiated again.

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Red - stop and classify/discover the data and check for any vulnerabilities within the network or application. It is important to know what data is to be secured and where it is on the system. To achieve this we have tools to locate data, scanners to test for vulnerabilities and professional service staff to help you classify your data.

Amber - secure the data. There are many different ways to protect the data. We have solutions for encryption (both server and PC), access control to data, host protection and content control both network and end point. We take a best practice approach as technology might not be the only answer, internal procedures and user education might also be tools to be implemented to secure your data.

Green - go. You should be compliant at this stage. What we ensure is ongoing compliance by Log Management and regular reporting and testing of the systems. If during a report you find an error or the regulation you are working to changes its criteria then the process returns to red to resolve the problem. Hence our methodology demonstrates an ongoing process and development of your security policy.

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