

io oil & gas consulting

Energy



“ With Digital Guardian, we can be completely transparent with our clients about how we handle their data, giving them peace of mind that their sensitive reservoir data is fully protected. ”



- John Barton
CIO
io oil & gas consulting

Lean Business Performance, Data Transparency and Security with Digital Guardian DLP as a Managed Service

> IO OIL & GAS CONSULTING

io oil & gas consulting is a joint venture between GE Oil & Gas and McDermott that was created to help oil and gas projects move forward in a time of low oil prices and economic uncertainty. By combining upstream consultancy with engineering expertise, io is able to take a holistic view of projects rather than just looking at small pieces in isolation of each other. In doing so, it helps clients to find the best, most economic solutions to projects, creating certainty in their viability and enabling them to move forward effectively.

Founded in January 2015, currently has a core team of 50 employees and is headquartered out of London, UK with a second office in Houston, USA. The company works with clients ranging from world-leading oil and gas operators, to governments and smaller scale operators around the world. While io's clients vary in size, they all share the same common challenge of making projects economically viable in such an uncertain climate for the industry.

> BUSINESS CHALLENGES

When io was set up, its core ethos from an IT perspective was to operate in a lean and nimble fashion with a high level of data transparency via the use of cloud and cloud applications wherever possible. However, security also had to play a pivotal role. This is because io would be handling customer reservoir data; highly confidential information detailing exactly how much oil or gas is present at a drill site, its depth, quality and other important factors that determine the viability of the site. This highly sensitive data must be kept secure at all times as it would be invaluable to competitors in the industry.

io's CIO John Barton knew that a security led model encompassing both physical and IT security would be required in order to manage data loss and mitigate against internal threats within the business (whether malicious or unintentional). However, as a start-up and in order to maintain lean business efficiency, Barton knew it would have to be achieved without significant investments in both internal infrastructure and resources.



DIGITAL GUARDIAN FACTS

Customers

- Over 400 customers
- 150 of the Global 2000
- Government Agencies
- Used by 7 of the top 10 US Patent Holders
- Over 2,500,000 endpoints protected
- Only solution to scale to 250K+ agents

Information Discovery and Classification

- Context-based data awareness
- Content Inspection
- User Classification
- All content is tagged with permissions
- Permissions persist through reuse, renaming
- Over 300 data types
- 90 languages

Response Options

- Monitor, log, report
- Prompt, justify, and report
- Block and report

Supported Platforms

- Desktop/Laptop
- Server
- Network
- Virtual
- Supports devices on network and off network

Supported OS

- Windows
- Linux
- OSX

Deployment Models

- On-Premises
- Managed Service
- Hybrid

> CRITICAL SUCCESS FACTORS

io wanted to implement a security solution that would:

- Apply a high level of security across the entire business operation, providing full visibility on sensitive data throughout io network and endpoints
- Assure io clients that all data movements were fully traceable and accountable
- Deliver highly effective security without being an ongoing drain on resources, in keeping with the company's lean business ethos
- Allow for fine tuning over time based on data analytics and other information sources

> THE SOLUTION

io decided to engage with Digital Guardian based on both empirical evidence and Barton's prior experience of the Digital Guardian Data Loss Prevention (DLP) platform. He knew the platform was highly robust and would provide the ideal solution to io business challenges.

Another key factor in the decision was Digital Guardian's ability to offer the full power of the platform as a managed service. As a result, there would be no up front infrastructure costs or ongoing maintenance that would drain resources and detract from the lean ethos.

io initially engaged with Digital Guardian in June 2015 and the platform went live less than 90 days later, in August that same year. The company has 100 seats, covering the core team whilst also allowing the flexibility to scale up rapidly when large projects are underway. Digital Guardian is deployed on all company endpoints and also at the remote gateway, providing full visibility of data going in and out to trusted third parties as well.

> THE RESULTS

To date, io has not suffered a single instance of data loss. Digital Guardian's platform has enabled the company to monitor data movement patterns and spot potential red flags early, preventing data loss long before it could have occurred. io is also able to drive behavioral change amongst employees and educate them on the importance of maintaining data security at all times.

From a client perspective, io can be completely transparent about how all data is handled within the company, providing peace of mind that sensitive reservoir data is fully protected.

Finally, io enjoys a strong relationship with the Digital Guardian technical team, helping it to achieve its goal of continuously fine tuning the platform through regular assessments and data analytics. This ensures the platform remains robust, effective and cost efficient to the business.

