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New Cyber Security Requirements:

ARE YOU IN COMPLIANCE?

Data Net Has You Covered!



DATANET
SOLUTIONS GROUP

JANUARY | 2020

Cyber Security and Compliance

Avoiding a Hack Attack

By: Mary Montgomery

The bad guys want your data and intellectual property; many will stop at nothing to get it.

Smartphones have revolutionized communication, the way we pay our bills, shop for products, socialize and conduct business. Between what we do on our smartphones and countless emails received, we are all susceptible to the bad guys and their clever means to deceive us and steal our business or personal information.

“There has to be a cultural shift with regard to the importance for enhanced security practices,” said Rob Slaughter, Chief Executive Officer of Data Net. “Some of you may be saying, my business is not required to follow any compliance guidelines, but many subcontractors and supply chain companies are actually unaware that, in

order to participate in work for other companies doing government projects, they must also adhere to the same compliance standards.”

In addition to the information technology (IT) support such as technical helpdesk support, computer support, and consulting that the company provides to small and medium-sized businesses, Data Net is constantly leveraging new software platforms and technologies while keeping pace with changing regulations. The ever-changing landscape in network security and compliance requirements led Data Net to spend the past 12 months investing in additional resources and new technologies to protect against cyber-attacks and data breaches.



How Safe Are YOU?

If you use a computer, you are a target for hackers. Just like locking your car and the doors to your home, it's prudent to follow good information technology safety, which means you need to evaluate your network security.

- There is a hacker attack every 39 seconds. By the time the average person takes a selfie and uploads it to Instagram, the next hacker attack has already taken place. (Source: Security Magazine)
- Cybercrime is more profitable than the global illegal drug trade. The profit from the illegal drug industry amounts to around \$400 billion annually. Cybercriminals earned a total of \$600 billion in 2018. (Source: Cybersecurity Ventures)
- 43% of cyber-attacks still target small businesses (Source: Verizon 2019 Data Breach Investigations Report)
- 66% of businesses attacked by hackers were not confident they could recover – Most businesses don't really know if they're prepared for a cyber-attack. Actually, 75% of all businesses don't even have a formal cyber-attack response plan. (Source: Fortune)
- 73% of black hat hackers (hackers with criminal intent) said traditional firewall and antivirus security is irrelevant or obsolete (Source: Thycotic.com)
- 80% of hackers say, “Humans are the most responsible for security breaches.” (Source: Thycotic.com)
- Hackers create 300,000 new pieces of malware daily. (Source: McAfee)
- 75% of all attacked businesses reported fraudulent emails. Fraudulent emails as part of a phishing strategy are still a hacker's favorite tool to obtain credentials. (Source: Cyber Security Breaches Survey 2018)

The Department of Defense

With a large client base in the construction industry, many Data Net clients work for the Department of Defense (DoD). In order for contractors to be able to bid on projects, the DoD requires adherence to many regulatory guidelines, including those for information technology.

Until last year, the government allowed contractors to simply state that they were in compliance, a method called “Self Attestation”. The government realized that not everyone was being forthright when they attested that they were in compliance with Defense Federal Acquisition Regulation

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Supplement (DFARS) and National Institute of Standards and Technology (NIST) 800-171 standards.

Under the new Cybersecurity Maturity Model Certification (CMMC), the DoD has announced mandating third party cybersecurity certifications for all companies doing business with the DoD. Under the new framework, a company's entire supply chain, down to subcontractors and suppliers, will need to meet this new cybersecurity requirement in order to bid on DoD RFPs starting September 2020. Certifications will begin in April 2020. For compliance, it's necessary to have both a System Security Plan (SSP) and a Plan of Action and Milestones (POA&M). Additionally, an SSP and POA&M will be the baseline for contractors' CMMC.

To help clients evaluate the state of their existing cybersecurity against DoD requirements, Data Net takes a look at a business' current IT landscape and provides solutions for unmet areas

of compliance. Some compliance solutions are as simple as improving documentation practices; others are more complex, possibly requiring adoption of technology and software such as multi factor authentication, artificial-intelligence-based ransomware and virus prevention, Dark Web monitoring, or cybersecurity awareness training for employees.

"You can't protect your data without considering data backup, recovery, archiving options," said Rick Kwak, Certified Security Systems Engineer for Data Net.

Data Net performs network and security scans which analyzes and establishes a baseline for clients working towards compliance. This information assists in creating a game plan for improvement, with scans continuing on a regular basis that are automatically stored. In case of an audit, these scans can show a history of milestones being reached.

Navigating What's Ahead

A lot has changed since Rob Slaughter founded Data Net in 1983. Back then, computer networks were complex and used primarily by businesses. Today, just about everyone has a computer in their pocket with more than 1,000 times the computing power of the now-dinosaur era computers of 1983. As we embark upon the year 2020 and beyond, a lot about computer networks will inevitably continue to change.

Whether your business must adhere to compliance regulations or not, increased network security awareness is vital to protecting your business. Data Net can help implement the necessary safeguards along with a business continuity/disaster recovery plan. To schedule your network and security assessment today, call (760) 466-1200 or visit www.4datanet.com



It is imperative that firms understand the new data security requirements and how they will impact their construction company, subcontractors and suppliers.

DataNet Solutions has been assisting Soltek Pacific to take a proactive approach on its pathway to achieve compliance and securing our information technology."

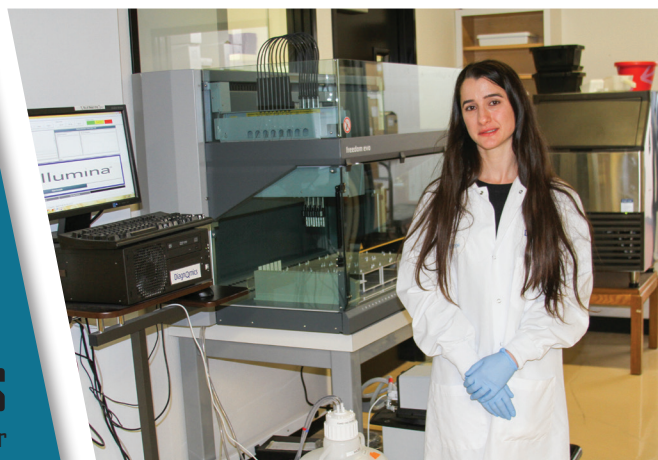
Dave Carlin

Chief Operating Officer

Soltek Pacific Construction Company

Data Net has provided IT support for Diagnostics and went out of their way to help us prepare for a recent audit. Their team helped us create necessary compliance documentation, a service I was surprised they offered as an IT company."

Diagnomics
Adrienne Kurkciyan, MS
 Lab Operations Manager



Protecting Health-related Information

Data Net recently embarked on the path to HIPAA Compliance when providing IT services for a life science company located in San Diego. In order to provide IT support for HIPAA-compliant companies, Data Net also needed to become HIPAA compliant. This process involved a third party company conducting a thorough risk analysis, HIPAA training for all employees, and documentation and implementation of compliance procedures. Data Net has hired specialized engineers with security certifications to help clients meet and maintain regulatory standards.

Diagnomics, Inc., one life science company specializing in study of the human genome for purposes of identifying diseases

early, hired Data Net to support a November 2019 audit. Data Net worked with the company to ensure necessary controls were in place and documented before the audit.

"Data Net has provided IT support for Diagnostics and went out of their way to help us prepare for a recent audit," said Adrienne Kurkciyan, Senior Research Associate. "Their team helped us create necessary compliance documentation, a service I was surprised they offered as an IT company. Rob Slaughter took the time to personally meet with the auditors to answer questions and address concerns. The audit went very smoothly. We appreciate the extra effort the Data Net team put forth and are pleased with the detailed service they provide."

The Data Net Team



San Diego Team

From Left to Right:

- Rob Slaughter**
- Deborah Bailey**
- Rick Kwak**
- Bill Vann**
- Brandon Lopez**
- Michael Leeper**
- Ryan Cumbey**

Nationwide Team



Shane Chrisman



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