

# WHAT'S CYBER SECURITY GOT TO DO WITH IT?

## Quartercast

Best practice Newsletter

...keeping you abreast of best practice

August 2021.

In October 2019, Johannesburg woke up to the news that the city's municipal website and billing services had been hacked by a group called Shadow Kill Hackers. The attack was a ransomware attack (which typically means key systems and/or data is encrypted and locked down by malware). Key city systems were shut down, including online services, bill payments, and more. Some other services were impacted, including the call center which handles 112 emergency calls. The group demanded a ransom of four bitcoins, approximately \$30,000 at the time, to stop it releasing all of the data they had procured onto the internet. Though the city was able to take charge, after announcing that they would not concede to the demands, it is clear that this was a major attack with huge impact to many citizens.

In January 2020, hackers put the payment card details of more than 30 million Americans up for sale and over one million foreigners on Joker's Stash, the internet's largest carding fraud forum. This new "card dump" was advertised under the name of BIGBADABOOM-III. Experts at threat intelligence firm - Gemini Advisory, traced the card data to Wawa, a US East Coast convenience store chain. This breach ranks among the largest payment card breaches ever.

In October 2020, there was an allegation that the popular hacking group, Anonymous, breached multiple Nigerian government websites, after they came out to say so themselves, via twitter. The act was said to be in support of the #EndSARS protest that took over many cities in Nigeria at the time.

The importance of cybersecurity cannot be over-emphasized. Not long ago, cybersecurity was considered the job for IT staff alone, however, this thought process has rapidly changed and people, organisations, are beginning to understand that it is everybody's job!!!

A lot of advancement has taken place in recent years, and the pandemic further quickened the adoption of IT up to 7years according to the 2021 Checkpoint Report. The use of IoT in business has increased rapidly, almost all organisations utilize cloud services and a lot of new technologies have emerged, redefining how organisations conduct business operations, communicate, process data, and so on. Statistics also show that the rate of cyber crime has also increased over the years, making it critical to adopt robust cyber security measures.

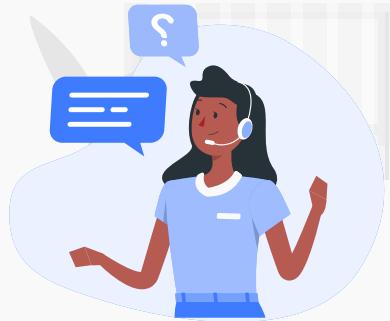
Cybersecurity strategies must start at the individual level. One infected devise can infect others; one careless employee can be socially engineered; increasing the vulnerability of an organisation to attacks. Awareness of cybersecurity issues across board, a strong and well enforced policy framework alongside effective automated tools are required to increase the security posture. Make no mistake, the pace of breaches is increasingly, the preponderance of hackers is alarming!

### How can we help?

As the leading IT Governance, Risk and Compliance Consulting and Capacity Building

Firm with deep competencies in Cyber/information security and IT Governance and Assurance we can help you strengthen your security posture and improve your vulnerability profile through the conduct of Risk and Vulnerability Assessments, Cyber Security Assessments as well as the implementation of global best practise standards.

Reach out to us via mail- [smarketing@digitaljewels.net](mailto:smarketing@digitaljewels.net)



### SECOND QUARTER

We hit the road hard in Q 1 and we are now running strong!!! As always, we give God all the glory for a successful second quarter, He remains ever faithful. Several projects and training programs were carried out in this quarter. As part of our culture of knowledge sharing and thought generation, we continued to host our insightful and informative monthly webinars.

### NITDA @20 CELEBRATION

NITDA attained the milestone age of 20years. In commemoration of this, and in support of the Agency's passion for building digital capacity in the public and private sectors and its ground-breaking work in the area of Data Protection, Digital Jewels put together two enlightening webinars, in partnership with NITDA, targeted at key stakeholder communities. The webinars held on the 25th and 26th of May 2021.

The topic for the first session was Secure e-Government. It was directed mainly towards public sector stakeholders. The session was moderated by the *Head of Asset Management and Quality Assurance Unit, NITDA- Mr. Inye Kemabonta* and facilitated by two (2) speakers: *The Director-General/CEO of NITDA, Mr. Kashifu Inuwa Abdullahi* and the *Managing Director/CEO of Digital Jewels Ltd., Mrs. Adedoyin Odunfa*. The session was also graced with the presence of the *Honourable Minister of Communication and Digital Economy, Dr. Isa Ali Ibrahim Pantami* as the special guest of honor. All speakers gave knowledgeable insights on Understanding Data Governance, Protection, Privacy and Cyber security, and the need to imbibe Data governance practices, standards and frameworks.

The second session which held on the 26th of May, was an avenue to share valuable insights on the topic: Cyber Risk and Cyber Security. The two (2) speakers, *Mrs. Adedoyin Odunfa (MD/CEO Digital Jewels)* and *Mr. Ahmed M. Yahuza (Assistant Director, Cybersecurity Department, NITDA)* made enlightening presentations on Cloud Governance and Security, Cyber security trends, threats and failsafe measures. The moderator for the session was our own *Head of Academy at Digital Jewels, Mr. Adesina Adeigbe*. *The Director-General of NITDA, Mr. Kashifu Inuwa Abdullahi* was also present to give some remarks. From both webinar sessions, we were able to attract a cross section of public and private sector individuals from several countries in and beyond Africa.



## JUNE WEBINAR

Our June Webinar held on the 29th of June 2021 on the topic **"IT GOVERNANCE USING COBIT 2019: Getting It Right"**. The facilitator was the *Chief Technical Officer, Digital Jewels Ltd.*, **Mr. Tokunbo Taiwo** who demystified the COBIT 2019 standard and expounded on its power to transform IT Governance and Management when implemented correctly.



## WORLD PASSWORD DAY

World Password Day, created to generate awareness on the critical need for solid passwords and their role in securing all our digital lives. Our firm joined in creating awareness by sharing some tips to secure passwords via our social media channels.

A few password tips:

- Carry out an audit on your passwords today
- Make them longer and stronger so they are difficult to guess
- Change frequently used passwords for unique strong passwords
- Do not use your name or anniversaries



Name: \_\_\_\_\_

## Cyber Security Awareness



## CYBER SECURITY WORD SEARCH

## TRAINING ACTIVITIES

In Q2, Digital Jewels delivered high-impact training sessions to several clients spanning various locations and sectors of the economy and across a range of topics such as **CASE Java Course, Certified Information Security Manager, ISO 20000 Lead Auditor, ISO 22301 Lead Implementer, ISO 27001 Lead Auditor, COBIT 2019 Foundation, ISO 27001 Lead Implementer, TOGAF (Foundation & Practitioner), ISO 22301 Lead Auditor and Certified Data Protection Officer**.

## ANOTHER FEATHER TO OUR CAP

Another high point of Q2 was the unexpected award as Nigeria's Most Trusted IT Governance Solutions Provider in the African Excellence Awards, hosted by MEA Markets. MEA Markets is a quarterly publication dedicated to researching and publicising the major moves and events as they happen across the entire Middle East & Africa region. We give the glory to God and thank our supportive Board of Directors, hardworking and committed team, esteemed clients and helpful partners for the part they played.

## CONSULTING ACTIVITIES

Our competent team of consultants across the Continent supported our public and private sector clients in Accra, Kampala, Nairobi, Kigali, Kinshasa, Abuja and Lagos in adopting global best practice through international standards and frameworks. This included projects spanning **Payment Card Security through PCIDSS; IT Governance using the COBIT framework; Enterprise Architecture based on the TOGAF framework; Integrated Management Systems for Business Continuity, Information Security, IT Service and Quality via the ISO22301, ISO27001, ISO20000 and ISO9001 Standards respectively**; amongst others. Q2 also saw us conduct in-depth multi-platform security assessments covering mobile, web, USSD, ATMs, etc.

CODE	SPOOFING	INTERNET	HTTPS
HONEYBOT	HASHING	FORENSICS	FTP
EXPLOIT	DECRIPTION	CRYPTOGRAPHY	CONTROL
CIPHER	CONTAINMENT	COMPLIANCE	BACKDOOR
BEHAVIOR	BIOMETRICS	VECTOR	ADWARE
POLICY	HARVESTING	EMAIL	MONITOR
AUDIT	AUTHORIZATION	ASSET	CLOUD
KEYLOGGER	NETWORK	TROJAN	WORM
CONFIDENTIALITY	AVAILABILITY	INTEGRITY	WIFI
VULNERABILITY	USERNAME	THREAT	BOTNET
SPYWARE	RANSOMWARE	VIRUS	MALEWARE
CERTIFICATE	AUTHENTICATION	FIREWALL	ENCRYPTION
ATTACK	AWARENESS	PASSWORD	PRIVACY
SECURITY	BREACH	HACKER	PHISHING