Building
Confidence in
partnership
with PwC

An overview of our
cybersecurity services

pwc

Key questions organisation keep asking about cybersecurity

ENTERPRISE IMPACT

CRO
- Do we approach cybersecurity using a risk based approach?
- Can we articulate our current cybersecurity risks?

CIO/CISO
- Are we taking appropriate steps to protect our organization against cybersecurity risks?
- Do we measure and demonstrate to stakeholders the effectiveness of our cybersecurity and privacy efforts?

SERVICE DELIVERY MANAGEMENT
- Do our stakeholders trust our Service Delivery outputs?
- Do our controls protect the confidentiality, integrity and availability of our systems, data & private information?

CPO
- Is our organization respecting privacy while monetizing data?
- Are we following applicable privacy regulations?
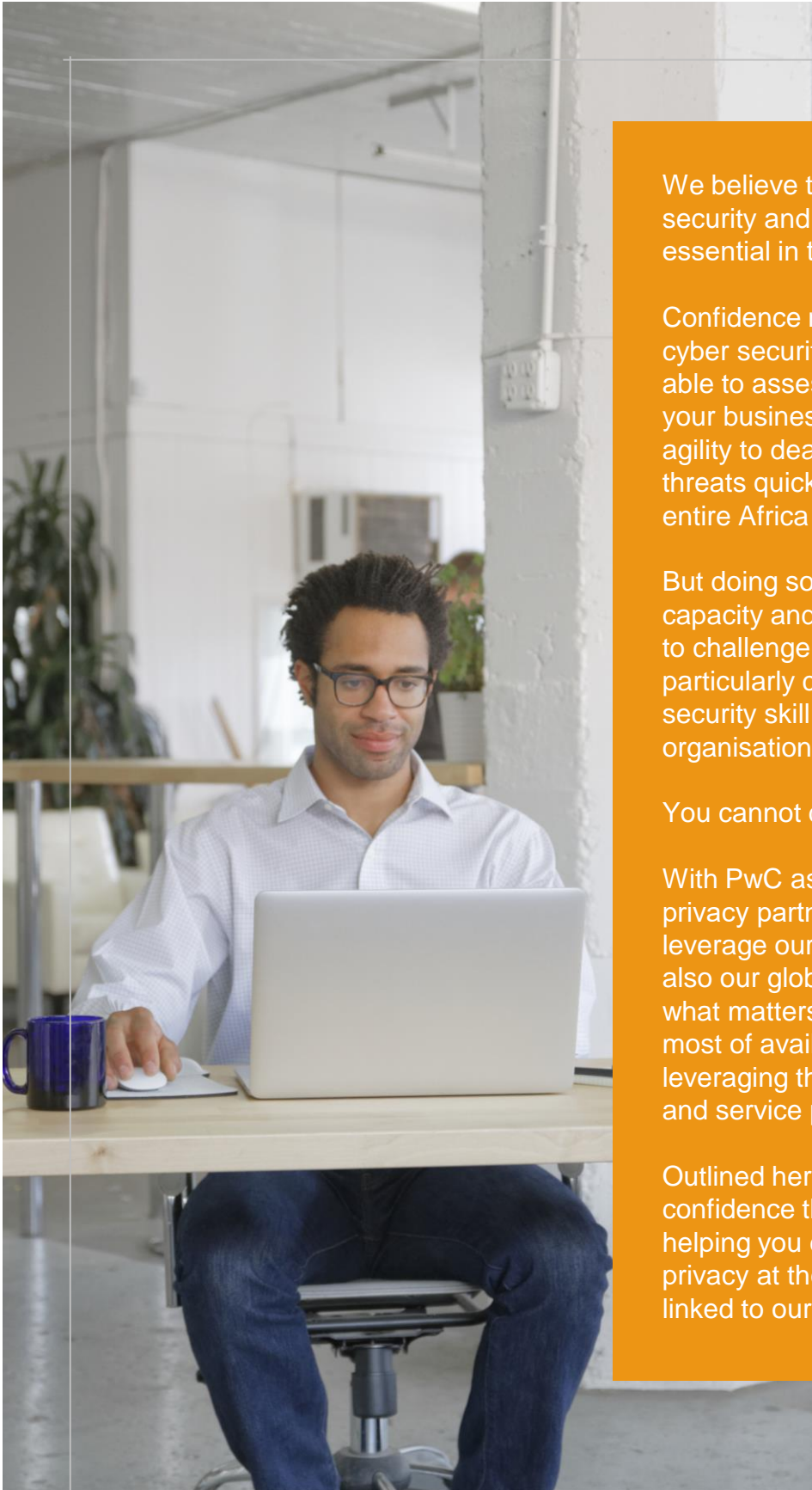
BOARDROOM
- Do we have the information we need to oversee cyber risks?
- Do we have a tested cyber incident response plan?

CEO
- Do we understand what the emerging risk landscape means for our organization?
- Can we articulate our cybersecurity strategy across the organization?

There has to be a better way...

We believe that confidence in your cyber security and privacy arrangements is essential in today's business context.

Confidence means being aware of your cyber security and privacy risks, being able to assess which threats could affect your business the most, and having the agility to deal with current and emerging threats quickly and efficiently, across the entire Africa region.

But doing so requires resource flexibility, capacity and capability with the potential to challenge accepted norms. This is particularly challenging given the extent of security skill and capacity in most organisations.

You cannot do this alone.

With PwC as your cyber security and privacy partner, you'll not only be able to leverage our experience and expertise but also our global perspectives – to protect what matters most to you, making the most of available resources and effectively leveraging the strengths of your partners and service providers – PwC included.

Outlined here are the six lenses of confidence that we see as essential to helping you embed cyber security and privacy at the very heart of your business, linked to our core service capabilities.

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Cybersecurity at the heart of your business

Cybersecurity isn't just about technology. It also involves people, information, systems, processes, culture and physical surroundings. It aims to create a secure environment where businesses can remain resilient in the event of a cyber attack.

Below are the six confidences that help to embed cyber security at the heart of your business – and the role that PwC can play to help you achieve them.

Confidence in your people

People make critical security decisions every day. Disappearing organizational boundaries mean that you can no longer rely on technology alone. You need to make sure your people understand security and act securely. We can help you foster secure behaviours by shaping your culture and designing processes, systems and roles with human vulnerability in mind.

Confidence in your technology

Technology underpins your business.

As your business changes so should your technology. While embracing the new, you still need to protect legacy technology and information against cyber threats.

We can help you understand the inherent risks of your technology and how to mitigate them.

Confidence in your priorities

Addressing cyber threats helps you prioritise what matters most. Being prepared for changes in the digital era will help you get your priorities straight. A 'cyber savvy' governance and management structure means you can prioritise opportunities and know where you can afford to take risks.

We can help you to recognise your key tangible and intangible assets and align your security strategy to your priorities.

Confidence to take risks

Digital opportunities cannot be realised without managing the inherent risks.

Some risks are worth taking, but if you're struggling to manage the downside, you won't be able to take advantage of the upside.

We can help you consider your interactions within the digital world and assess where and how they impact your past, present and future.

Confidence in your connections

Organisations exist in an increasingly complex digital ecosystem.

We share information and transact digitally more than ever before. Your digital relationships with customers, suppliers and others expose you to new areas of risk that need to be managed. We can help you assess your connections, negotiate robust contracts and build an agile risk management framework, adept at keeping pace as your collaborative networks evolve.

Confidence during a crisis

Cyber attacks are now commonplace.

Resilience means being able to react quickly and effectively when compromised. Being aware of and prepared for threats will help you prevent incidents and react to them quickly enough to reduce their impact, and prevent them becoming a crisis.

We can help you protect what's important, detect intruders, deal with the regulators and minimise your exposure when you're compromised.

The services you can draw on - Cybersecurity

We provide a comprehensive range of integrated cyber security services that help you **assess and build your cyber security capabilities, and respond to incidents and crises.**

We are also able to partner with you in circumstances where you don't wish to build or run your own security function. With PwC as **your managed security services partner,** you get the best of both worlds – access to a competent and well resourced security team and none of the overheads associated with recruitment, training and technology deployments

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Understanding your capabilities and maturity to help you prioritise your improvement programs

Cyber security diagnostics, maturity assessments and benchmarking:

- Governance
- Threat intelligence
- Control effectiveness
- Third party management
- Incident response and resilience
- Business Resilience

Cyber Security Capability "deep dives"

- Strategy reviews
- Compliance reviews
- Skills assessments
- Threat landscape assessments
- Vulnerability assessments and penetration testing (VAPT)
- Red/Blue team exercises
- Third party risk assessments
- Incident preparedness
- exercises
- Cloud security assessments

Designing and delivering on your cyber security improvement programme

Standard Implementation and Assessment

- Establish security management systems
- (e.g. ISO 27001))
- Build industry compliance programmes
- (e.g. PCIDSS)
- Implement and assess business continuity management systems (e.g. ISO 22301)
- Develop security MIS platforms
- CBN'S Cybersecurity framework implementation

Operations Enablement

- SOC design and development
- Data leak management
- Access governance
- Vulnerability management
- Threat modelling and management
- Incident readiness and response
- Advanced threat protection

Outsourced managed security services to enable you to focus on strategic priorities

Managed Security Services

- Vulnerability Management as a Service (VMaaS
- Access Governance as a service (VGasS)
- SIEMplus
- Security event and incident management services
- Advanced threat detection and monitoring
- Threat intelligence
- Retained incident response service
- Cyber defence

Rapid, global access to leading cyber incident containment, investigation and crisis management expertise

- Computer, network and malware forensics
- Network intrusion containment and remediation
- Threat hunting
- Fraud and eCrime investigations
- Regulatory proceedings
- Crisis management
- e-Discovery
- Expert witness services in support of legal actions
- Surveillance

Our Privacy and Data Protection services enable clients to discover and map data life cycles to create business values, as well as design a program that can jumpstart success and build trust among consumers. We focus on helping clients understand the risks associated with the processing of personal data, maintaining compliance of cross-border data transfers with global privacy laws and earn stakeholder trust in their use of personal data - while identifying opportunities to better optimize compliance, risk and value creation.

Our services include…

Privacy Assessment

- Privacy and Data Protection Regulation Assessment including for the Nigeria Data Protection Regulation (NDPR) and the General Data Protection Regulation (GDPR)

Data Discovery Services

- Risk analysis and data discovery
- Information gathering activities to obtain an understanding of your data risk and data footprint, including: data types, scale, and jurisdictions

Data Protection Officer (DPO) as a Service

- As Data Protection Officer, we help organizations perform the tasks required by Data Privacy Regulations to achieve desired compliance level. We help Organizations comply with Data Privacy legislations and act accordingly regarding data protection practices.

Data Privacy Incident Management

- Assist in the management of incidents of improper disclosure and identity theft, breach notification, forensic investigation as well as negotiation and ongoing compliance with FTC consent decrees and State Attorneys General orders

Data Management Solutions

- Design and implement solutions to address key risks and areas of noncompliance to data data privacy regulations; enhance data classification scheme and technical and physical security safeguards; re-architect data flows; design automated vendor privacy and security oversight programs

Privacy Policy Management and Training

Data Privacy Policy Development, Data Management Strategy Development and Notice Management. We conduct training and awareness programs on data privacy to improve data handling activities of organizations

CISO Support as a Service

PwC's CISO Support Services are tailored to help you improve your organization's overall security posture. Our security leaders will assist you in developing and implementing programs to enhance your cyber security strategies/programs.

PwC's Capabilities

PwC has proven knowledge and experience in supporting C-suite personnel with:

- Transition / Succession Planning
- Reducing Cyber Security Risk
- Implementing Leading Practices
- Change Enabling & Driving Methods
- Training & Coaching

How CISO Support Services can help your organization

Cyber Audit & Assessment Support

- Provide staff and strategies for audit and assessment support services like Vulnerability and Penetration testing, Social Engineering, cloud security, etc.

Future State Planning

- Define and implement a strategic plan to manage the organization's cybersecurity risk based on industry best practices
- Staff, plan, implement and operate the organization's security program
- Structure the security program to align with the organization's key drivers and protect key assets
- Measure and track the organization's cybersecurity risk by reporting key security metrics and a security program maturity profile

CISO Enablement

- Develop meaningful and impactful updates to Executive Leadership and the Board of Directors
- Provide advice and counsel for the CISO and facilitate local and national networking opportunities
- Manage Information Security Program

Interim Services

- Provide certified staff for interim services in key CISO support roles.

Succession Planning

- Plan for the change of CISO (voluntary, involuntary, elevation).
- Develop a talent and capabilities evaluation plan to meet the needs of the organization.

Transition Support

- Advise key executives by acting as the Strategic Security Advisor
- Define the skill sets appropriate for the needs of the organization and establishing a framework for evaluating CISO candidates
- Develop a "100 Day Plan" for the new CISO to facilitate transition and the progression of the maturity of your cyber program through a structured, customized roadmap

Digital Risk & Cybersecurity Academy - Addressing your cybersecurity training and awareness needs

At pwC, we have seasoned information security experts that are certified and licenced trainers to support the delivery of training and awareness initiatives. Our experts are certified to standards such as Certified Information Security Manager (CISM), Lead Cybersecurity Manager (ISO 27032), Information Security Management System (27001) Lead Implementer and Auditor, Certified Ethical Hackers (CEH) amongst others with a knowledge base built upon best practices from world-renowned organizations as well as our years of experience in the market.

Our **strong team** of experienced training and capacity building professionals, have extensive experience of training and providing cyber security services across all roles, bringing a deep understanding of the context of the project, strong expertise in information security and well established existing personal and professional networks, within Nigeria and internationally. Together, they demonstrate the skills required for the effective capacity building.

Services you can draw on from our training academy

- ❏ Hands-on ethical hacking training & workshop

- ❏ Information & cyber security awareness programs to help create a cyber secure culture

- ❏ Cybersecurity skills development and training for boards & top management

- ❏ ISO Standards training & certification - ISO 27001, ISO 22301, ISO 27035, ISO 27005

- ❏ Customized trainings to meet specific needs

PwC

Incident & Threat Management

The Incident and Threat Management practice within PwC helps our clients prepare for, respond to, and recover from cyber threats, vulnerabilities, and incidents.

Our team helps organizations understand their dynamic cyber challenges, adapt and respond to the risks inherent in their business ecosystem, and prioritize and protect the assets most critical to their brand, competitive advantage and shareholder value.

PwC offers services within five primary solution areas.

1 Incident Response
PwC is uniquely positioned to be your end to end business partner to help you rapidly respond to, investigate, and remediate cyber incidents.

2 Incident Readiness
Our suite of incident readiness solutions can help you assess existing response capabilities, exercise your program, and remediate gaps to promote continuous improvement.

3 Insider Threat
Insider Threat Management is an innovative offering from PwC designed to assist clients in detecting, mitigating, and responding to insider risks to corporate data, systems, facilities, personnel, and interests.

4 Threat Intelligence
PwC creates, enriches, and uses its own threat intelligence, across a wide variety of security services. This provides us with first hand knowledge and direct experience generating and consuming threat intelligence to enhance our clients.

5 Penetration Testing
PwC works to prepare you for reality by testing your environment and reducing your attack surface.

PwC is the biggest professional services firm in Africa based on staff numbers, turnover and office footprint.

PwC has been operating in Nigeria since 1953 through its predecessor firms of Coopers & Lybrand and Price Waterhouse. We're one of the leading professional services firms in Nigeria with offices in Lagos, Abuja and Port Harcourt, over 1000 staff and 31 resident partners. We are committed to serving as a force for integrity, good sense and wise solutions to the problems facing businesses and the capital markets. We are guided by one promise – to do what is right, be it with our people, clients, community, or environment.

Our clients range from the biggest, most complex global establishments to smaller, newer businesses both privately owned and those in the public domain. Our Audit & Assurance, Consulting, Deals, and Tax services meet the needs and requirements of each client, irrespective of size or location.

Find out more and tell us what matters to you by visiting us at www.pwc.com/ng

Key Industries
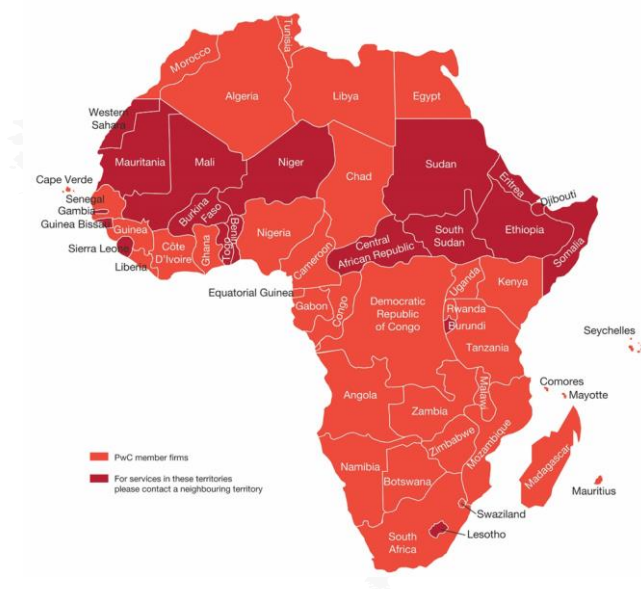
66 Offices

34 Countries

9000+ people

400+ Partners

Strong UK Alliance

One Africa
Leadership Team

EMEA

543 Cyber Security Specialists, 36 Privacy lawyers, 33 technical privacy risk and consulting expert leaders

100+ years in Africa

- PwC's Cybersecurity, Resilience, IT Standards & Privacy solutions help businesses build trust in a digital, data driven world.

- Our service offerings meet the needs and requirements of each client, irrespective of size or location.

- We know from experience the business environment and regulatory environment in all of your current and target markets.

- We have a truly global view, and have made a real investment in serving your industry through our commitment to emerging markets and people mobility.

- We understand and influence the issues of interest to you and your peers: improving performance and operational effectiveness; sustainability; corporate reporting and future of the industry.

- We're particularly proud of our Managed Security Services capabilities – a unique combination of on-premise and centrally coordinated capabilities designed to free your IT and security teams to focus on improving your business security, providing security and incident monitoring, analysis, reporting and remediation tracking services.

We bring together the following 8 attributes to create unique solutions for our clients.

Tools, methods, products
PwC can utilize a library of customizable tools and use of technologies from numerous strategic business partners to help meet your unique needs

Certified Incident Response capabilities
PwC offers incident response and threat intelligence capabilities accredited by the National Security Agency (NSA), GCHQ, and Bank of England (CBEST) and designed to help you manage risk throughout an incident

Trusted relationships
With over 25+ years of establishing deep and trusted relationships with our clients, PwC focuses on building lasting relationships

Global analytics, e-discovery and cybersecurity impact centers
Capabilities such as our impact centers allow us to provide 24 x 7 access to specialists and experience from across the PwC global network

Global & local
PwC provides one of the largest dedicated cyber teams that is integrated among territories to meet the needs of both multinational and single territory clients

Multidisciplinary
PwC brings the breadth of our firm to deliver a range of technical, risk, identity, data, legal, privacy, incident response, and product security to meet our clients' diverse needs

Industry knowledge
PwC's deep sector knowledge of business, technical, and regulatory solutions allows us to provide multifaceted solutions to our clients

Strategy through execution
PwC is able to support your current and future strategic business agendas and deliver practical results

Keep in touch

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About PwC

At PwC, our purpose is to build trust in society and solve important problems. We're a network of firms in 158 countries with more than 250,000 people who are committed to delivering quality in assurance, advisory and tax services. Find out more by visiting us at www.pwc.com/ng