BUILDING CYBER SECURITY STRATEGIES FOR EMERGING INDUSTRIES IN SUB-SAHARAN AFRICA

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ABOUT SHEHACKS_KE

Shehacks_KE is a community of women in cybersecurity from various backgrounds and counties across Kenya.

The community brings together learners and experts to share knowledge, experience and mentorship through the various platforms and programmes we have.

WHY THIS TALK?

- To highlight challenges
- To create awareness
- To encourage more participation

WHERE DO WE START?

1. What are some of the most used technologies?
2. What does the threat landscape look like?
3. What are the effects of cyberthreats?
4. What has worked in the past?

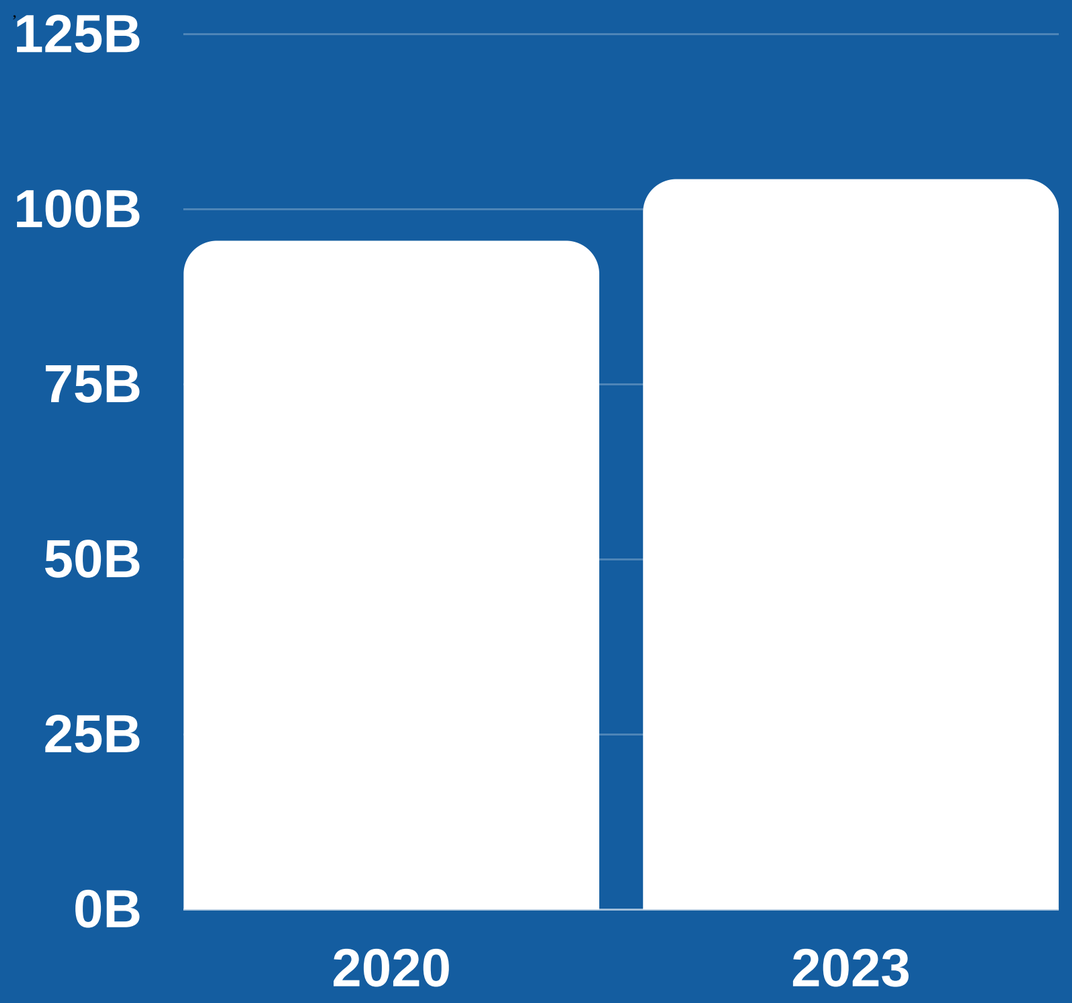
THE CYBER THREAT LANDSCAPE IN SSA

$95.4BN

2020

104.2BN

2023



KEY AREAS OF GROWTH

- mobile money
- cloud technology
- blockchain
- big data

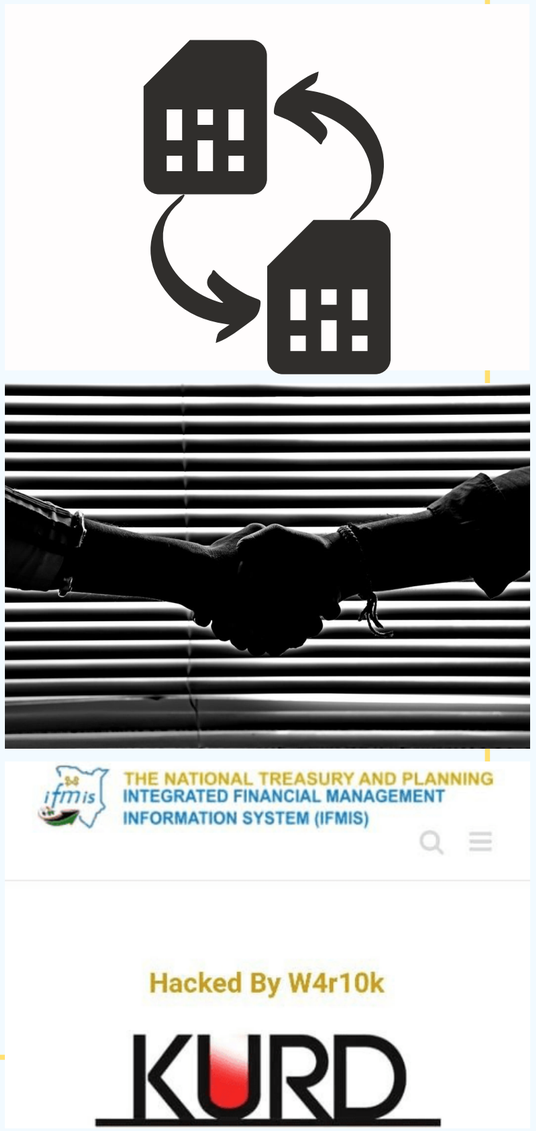
THREATS COMMON IN SSA

HARDEST HIT INDUSTRIES

Government

Banking Sector

COMMON ATTACKS



Sim swap

Insider threats

Website defacement

ESTIMATED COST OF CYBER CRIME (VARYING DATA)

$157M - $573M

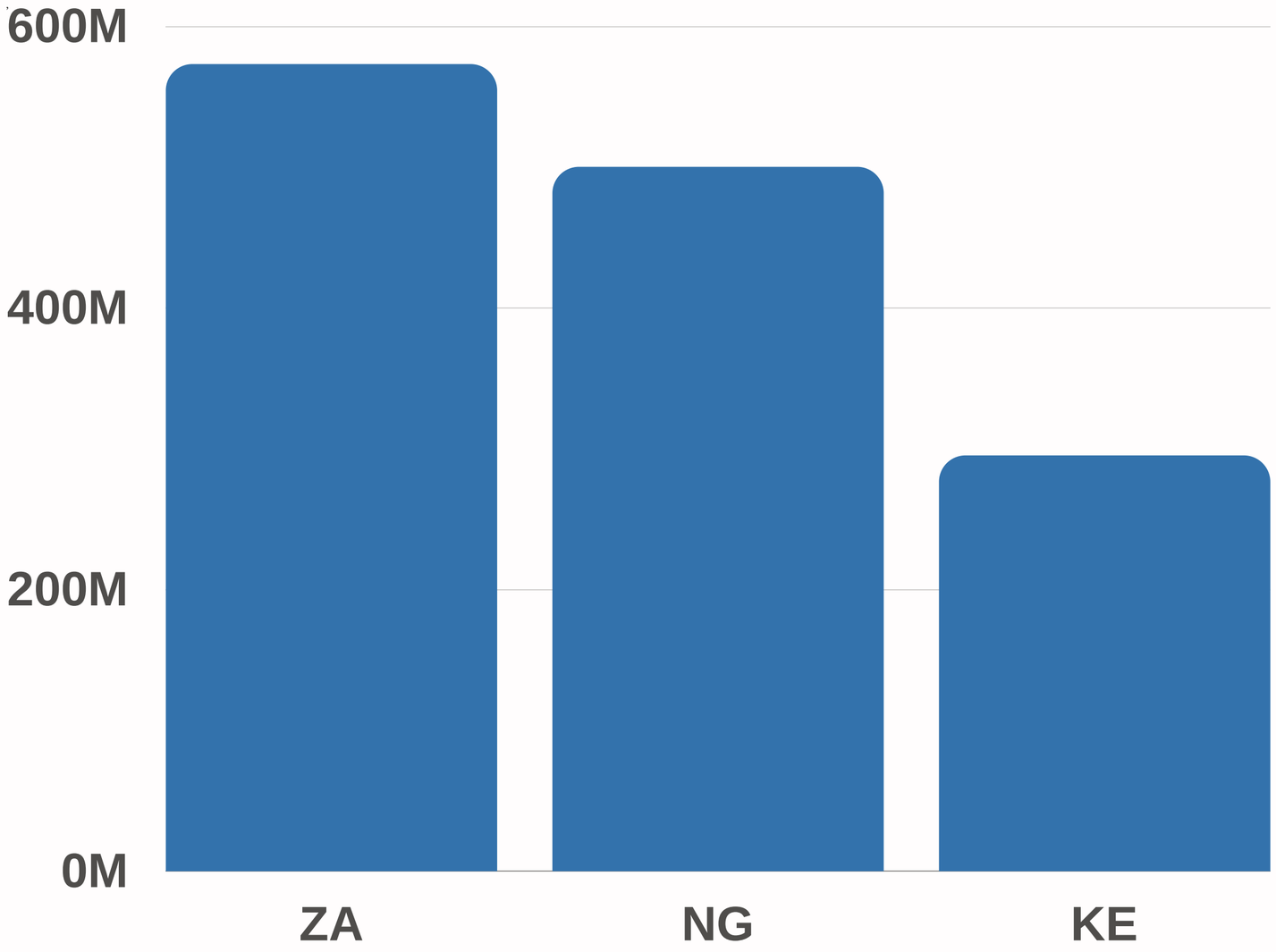
South Africa

$500M - $649M

Nigeria

$295M

Kenya



CHALLENGES

- Poor data security practices
- Skills gap
- Lack of awareness
- Poor implementation of tools
- Limited budget
- Use of generic accounts and shared passwords
- Lack of segragation of duties

WHAT WORKED IN THE PAST

COMMUNITIES

- Shehacks_KE
- Africahackon
- KCSFA
- SheSecures)Nigeria)
- Hackathon Girls (The Gambia)

LOCAL SUPPORT

- e-KRAAL Innovation Hub
- Safaricom

COLLABORATIONS

- Locally:

With similar initiatives

- Cross-continent:

OPCDE
Microsoft

CONFERENCES

- HackFest
- Africahackon
- NaijaSecCon

etc

LOCALLY BUILT TOOLS

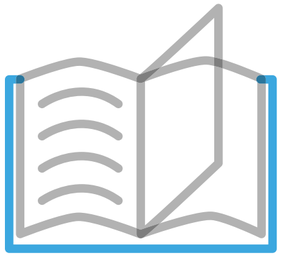
- Mara Framework
- Mth3l3m3nt
- Rotimi's Scanner for critical vulnerability on f5 big IP devices

REGULATORY BODIES

- Central Banks in the region e.g CBK

HOW CAN WE MAKE IT BETTER?

More conversation



Invest in RnD

Support regional talents

Education

Cheaper Solutions

Umoja ni Nguvu
(Unity is Strength)

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