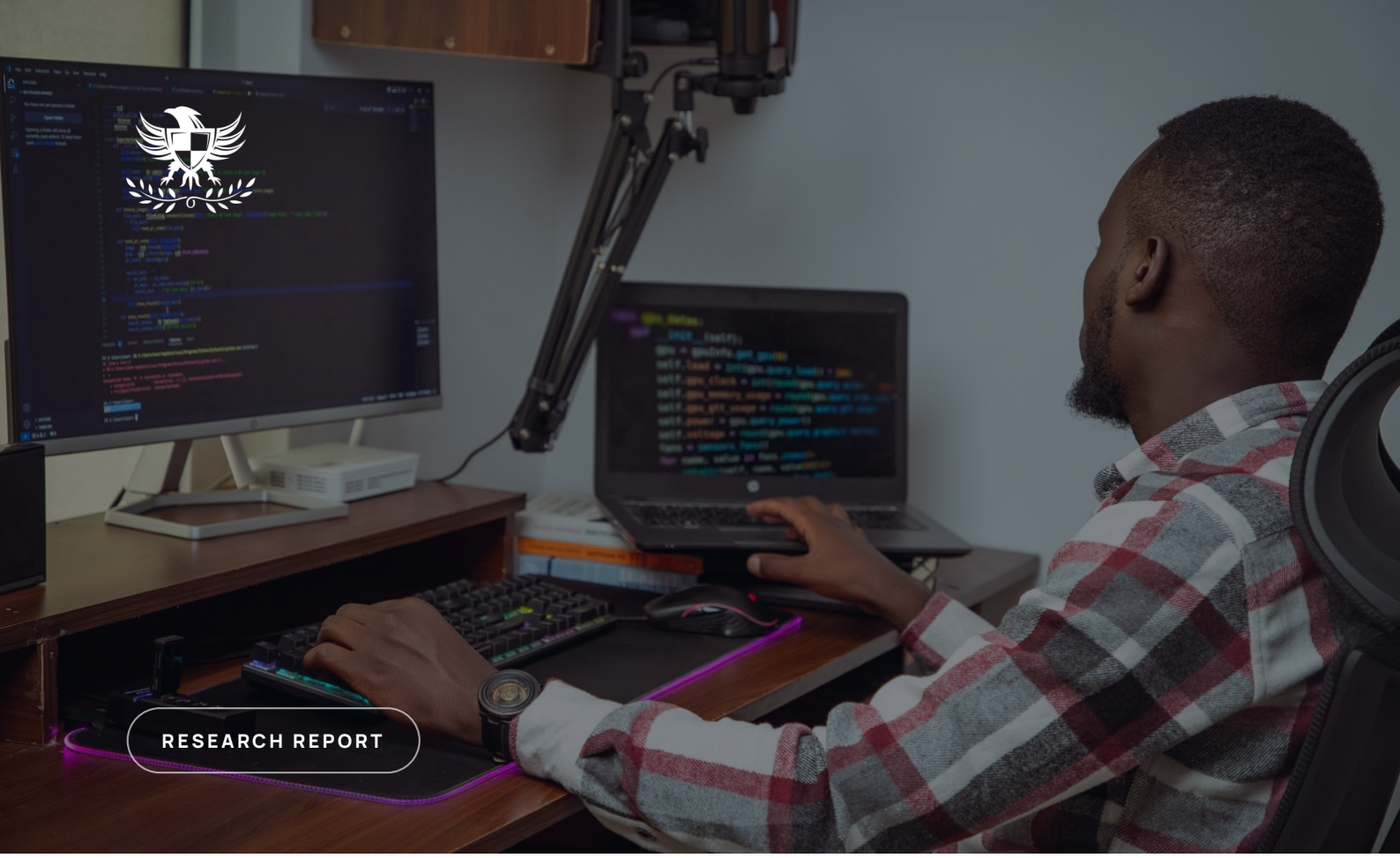


AI-Enabled Threats Against African Organisations: 2026 Research Report

How attackers are using AI against African businesses in 2026, from cloned voices and synthetic identities to autonomous intrusion agents, and which defences still hold.

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ABSTRACT

In 2026 artificial intelligence moved from a theoretical concern to a measured factor in African cybercrime. INTERPOL links AI to more than half of reported cases on the continent, field research shows autonomous agents conducting intrusions, and AI-assisted tooling is driving extortion volume. This report consolidates the public evidence, organises it into four threat categories, and sets out the controls that remain effective.

Topics: AI Threats · Fraud · Deepfakes · Agentic AI

WHAT TO TAKE AWAY

- INTERPOL's 2026 assessment of 36 African countries links AI to more than 55% of cybercrime cases; reported losses rose from US$192 million (2024) to US$484 million (2025).
- AI-enabled threats fall into four categories: impersonation, synthetic identity, automated intrusion and AI-assisted extortion.
- Autonomous agents compress intrusions from days to hours: Unit 42 observed an agent reach a victim's cloud environment within 140 minutes of initial access.
- Only 8% of law-enforcement intelligence analysts surveyed by INTERPOL have advanced AI expertise; organisations cannot rely on enforcement to deter AI-enabled crime.
- Process controls, especially out-of-band verification of payments and identity, remain the most reliable defence against AI impersonation.

CONTENTS

01 Why 2026 is different

02 Category 1: Impersonation

03 Category 2: Synthetic identity

04 Category 3: Automated intrusion

05 Category 4: AI-assisted extortion

06 The capacity gap

07 Defences that still work

01 Why 2026 is different

For several years, the role of AI in cybercrime was mostly anecdotal. In 2026 it became measurable. INTERPOL's African Cyberthreat Assessment Report 2026, based on data from 36 countries, attributes more than 55% of reported cybercrime cases to activity involving AI and records reported losses rising from US$192 million in 2024 to US$484 million in 2025. Kenya's Communications Authority named criminals' growing use of AI as one of three drivers in its July–September 2026 threat report. Security vendors published the first detailed field evidence of autonomous AI agents conducting intrusions.

This report groups the evidence into four categories, because each requires a different defence.

02 Category 1: Impersonation

AI-generated voice, video and text allow criminals to imitate trusted people and institutions convincingly and at scale. In March 2026 Standard Bank warned customers that AI-generated voices, cloned emails and deepfake content were being used to mimic bank staff. In May 2026 a Middelburg company lost R21.55 million after its financial manager followed instructions from a caller posing as the bank's fraud division; the funds were later recovered through the National Prosecuting Authority's Asset Forfeiture Unit.

INTERPOL recorded around 600,000 deepfake and sextortion cases. The common mechanism is that a voice, a face or a familiar writing style is no longer evidence of identity.

03 Category 2: Synthetic identity

INTERPOL reports synthetic identities, combining real and fabricated data, being used to open accounts and obtain loans. The risk grows whenever genuine identity documents leak. The unverified November 2026 claim of 600GB of KYC documents taken from Kenya's eCitizen platform illustrates the concern: genuine documents in criminal hands make synthetic identities far harder to detect at onboarding.

04 Category 3: Automated intrusion

The most significant technical development of 2026 is the use of autonomous agents to carry out intrusions. Unit 42 tracked more than ten campaigns between July and September in which a human established a web-shell foothold and an AI agent conducted reconnaissance, lateral movement and privilege escalation. One agent reached the victim's cloud environment within 140 minutes, issuing around 800 commands; the median gap between commands fell from 23.9 seconds under human control to 1.4 seconds under the agent.

Separately, Zscaler ThreatLabz documented a financially motivated campaign using the ARTEX framework with AI coding assistants to probe targets in about 20 jurisdictions, including Kenya, Nigeria and South Africa, seeking personal records and payment-gateway API keys. Unit 42 also described the Cairn framework being used for intelligence collection against 19 organisations.

05 Category 4: AI-assisted extortion

In October 2026 Check Point reported that n0n, an extortion group relying heavily on AI-assisted tools, rose from 2% to 8% of published ransomware victims globally, entering the top three. Kivuli data shows n0n as the second most active group naming African organisations in November 2026, with nine listings. AI assistance lowers the cost of each intrusion and negotiation, making mid-sized African organisations more profitable targets.

06 The capacity gap

INTERPOL found that 92% of surveyed agencies lack technical know-how in AI and only 8% of intelligence analysts possess advanced AI expertise, alongside weak coordination between banks, telecom operators and law enforcement. Enforcement is improving (Operation Serengeti III produced 1,462 arrests in 2026), but organisations must assume that deterrence will lag the threat for some time.

07 Defences that still work

Most effective defences against AI-enabled attacks are not themselves AI products. They remove the conditions the attacks depend on.

- Impersonation: make out-of-band verification mandatory for payment changes, credential resets and urgent instructions, using contact details held on file.
- Synthetic identity: add document-authenticity and liveness checks to onboarding, and step-up verification for SIM swaps, account recovery and new credit.
- Automated intrusion: reduce internet exposure, patch web applications quickly, and detect on behaviour (machine-speed command rates, mass cloud enumeration, bursts of encoded scripts).
- AI-assisted extortion: offline backups, rehearsed restores and leak-site monitoring.
- Your own AI use: approved tools, prompt data-loss prevention and protection of AI service API keys.

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