

# Implementing Zero Trust in the 5G Network

## At a glance

A leading telecom provider implemented zero trust on its 5G and 4G networks in 14 countries by deploying CyberArk, an enterprise grade privileged access management solution.

## Objective

As the telecom provider's business and infrastructure expand rapidly across the region, a critical need was felt to protect privileged accounts. This required effectively rotating credentials across telecom network devices, maintaining proper audit trails, and gaining complete visibility into privileged sessions to control and monitor user activities.

## Challenges

As one of Africa's largest telecom and mobile money service providers, the company faced challenges managing an extensive infrastructure and diverse devices. The primary issue was the lack of visibility and control over user activities and administrative credentials, complicating security management as the infrastructure grew.

## Solutions

As an implementation strategy we adopted the following five-step process:



Understand current telecom environment and processes



Monitor privileged access, conduct Discovery and Analysis (DNA) scans



Implement the solutions and onboard all devices



Perform Pilot/UAT testing and user sign-off



Strengthen access, transition, policy scans, SIEM log use

## Key Highlights



Ensuring program management practices



Conduct multiple customer workshops



Notching up quick wins to get stakeholder buy-in

## Technology Used

CyberArk solutions enforce enterprise policies, protecting critical business systems, and managing privileged account lifecycles across data centers. A key component, the master policy engine, enables comprehensive management of shared and privileged accounts.

## Customer Benefits

1

Multi-factor authentication for privileged access to telecom devices

2

Monitoring and audit trails of administrator activities

3

Rule and behavior based access control

4

Automated password management