

PreKINS

# Resilient by Design, Not by Regulation

Aline Harmand

Cybersecurity Strategist

If you **passed** every audit question tomorrow, would essential citizen services **survive** a targeted attack next week?

# Complexity and Scale of **Attack Surface**

Cyber exposure dimensions

Digital

**ATTACKER + AI**

Social

Physical

Electromagnetic

**COMPLEX SYSTEMS**

Ground Control Systems

Launch & Deployment Systems

Advanced Communication Systems

Advanced Sensing Systems

Satellite Systems

Robotic Systems

Autonomous Systems

Critical Infrastructure

**CYBER PHYSICAL SYSTEMS**

Smart Devices

Industrial Control Systems

Non-Indexed Digital Space

Internet of Things

**EXTENDED DIGITAL FOOTPRINT**

Digital Identities

Social Presence

Collaboration Platforms

Mobile

Decentralized Data

Domains

Cloud

Supply Chain

Brand Reputation

**MODERN BUSINESS ENABLERS**

Modern Applications

Data Center Infrastructure

AI Systems

Technology Asset Scopes

Servers

Network

Client Endpoints

**TRADITIONAL IT ASSETS**

Legacy Apps

# The Visibility Challenge: Evolving from Compliance to Continuity

“Today's threat landscape requires more than just technical compliance with requirements.” – NSM 2024

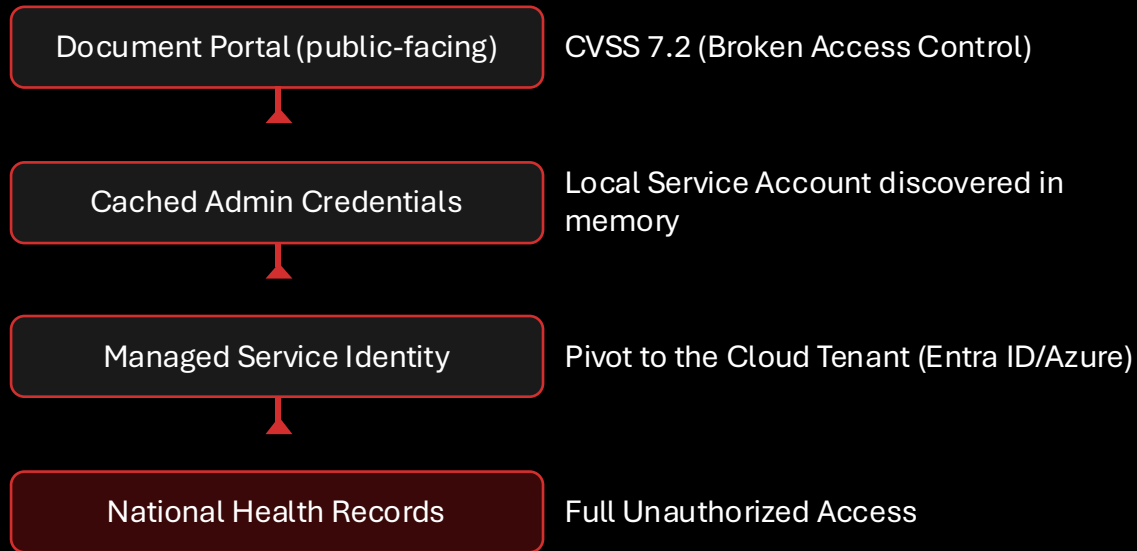


*We don't lack controls. We lack attack-path visibility.*

# Context is everything

## CVSS 7.2 → EMERGENCY REMEDIATION

A medium-severity vulnerability in a legacy document management system. Looks "standard" on a spreadsheet, but in the model:

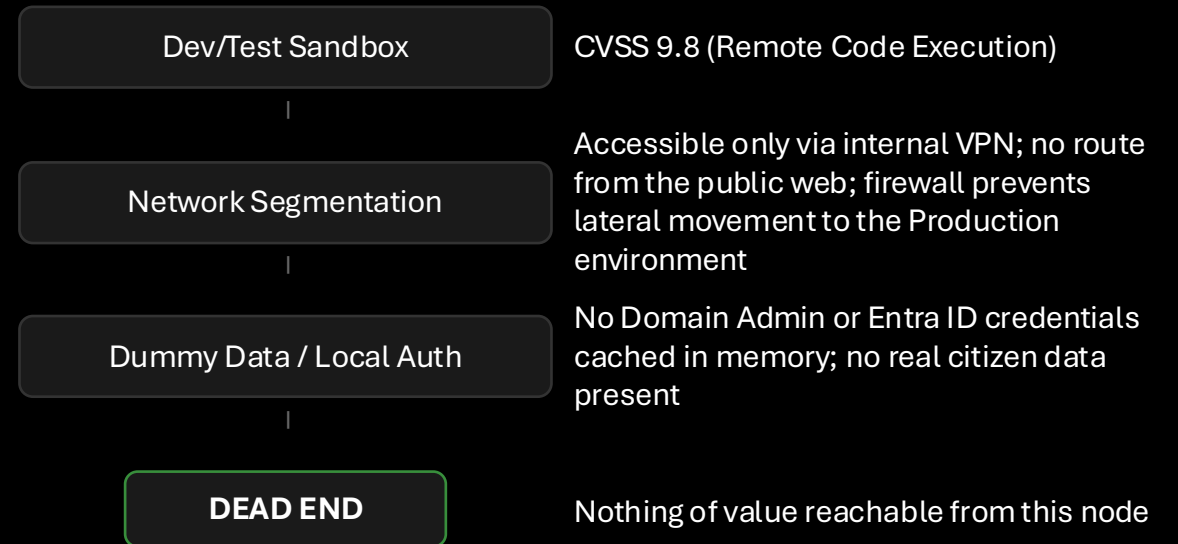


### 3 Hops → Citizen Data Breach

The "Medium" vulnerability was the gateway to our most critical asset.

## CVSS 9.8 → SCHEDULED MAINTENANCE

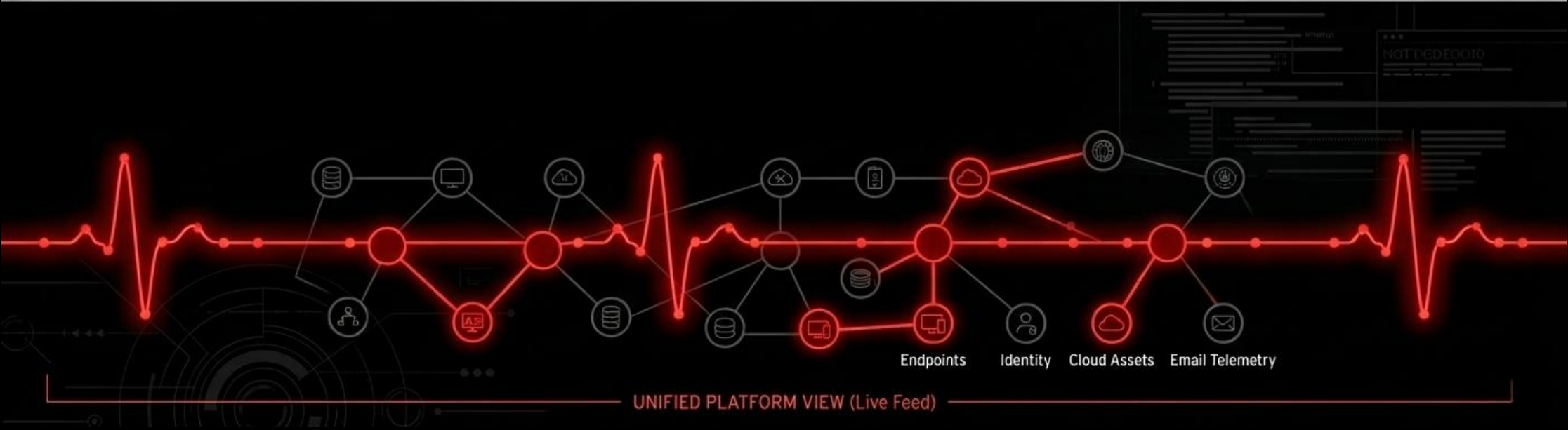
A critical RCE vulnerability on an Internal Development server in the basement. Alarming score, but in the model:



Zero viable attack paths to citizen services.  
Risk is negligible despite the "Critical" score.

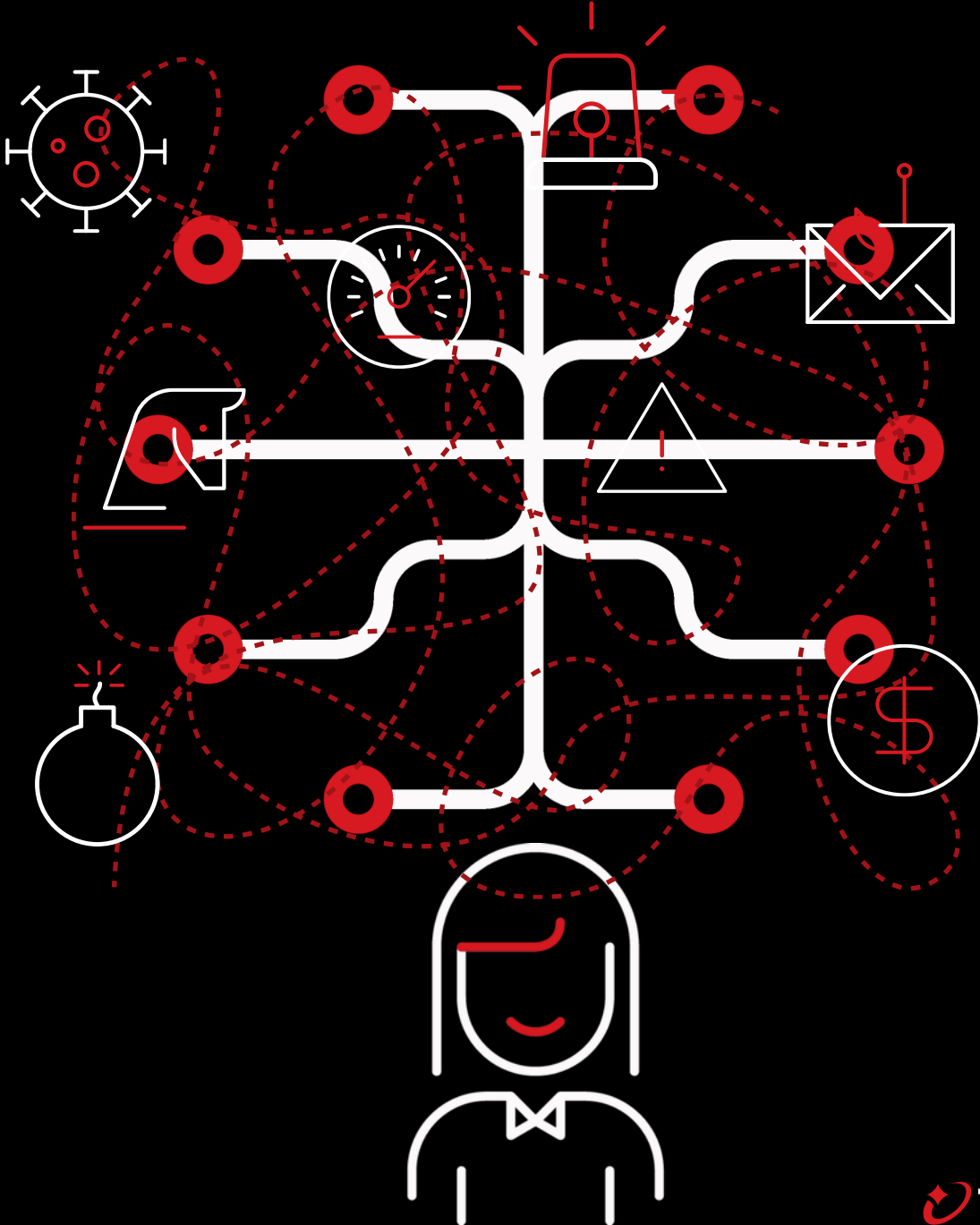
**Compliance asks: 'Is it patched?' Resilience asks: 'Can they reach the citizen?'**  
**Only one of these keeps the lights on.**

# Compliance is a Snapshot. Risk is a Stream.





# From Siloed Tools to a Unified Exposure Journey



# Designing for Citizens, Not Audits



**REGULATION**



**EXPOSURE**



**CITIZENS**





**AI Fearlessly**

