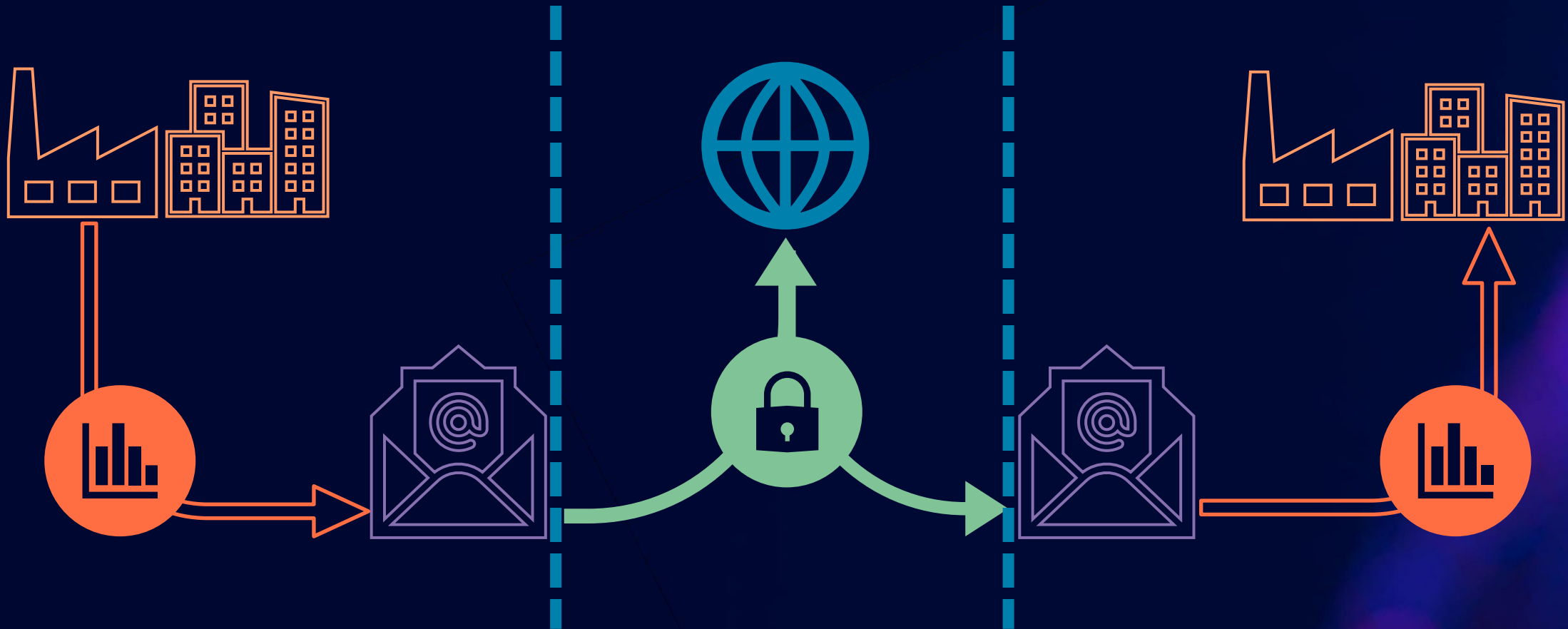


Why enterprise email security still fails – and what government projects got right

Julia Zimmermann, Eviden Digital Identity

The Paradox of Enterprise Email Security

Everyone Uses Email. Almost Nobody Secures It Properly.



Why Enterprise Email Security Still Fails

The Private Sector Keeps Repeating the Same Mistakes

Security competes with convenience and deployment speed

Certificate and key management create operational overhead

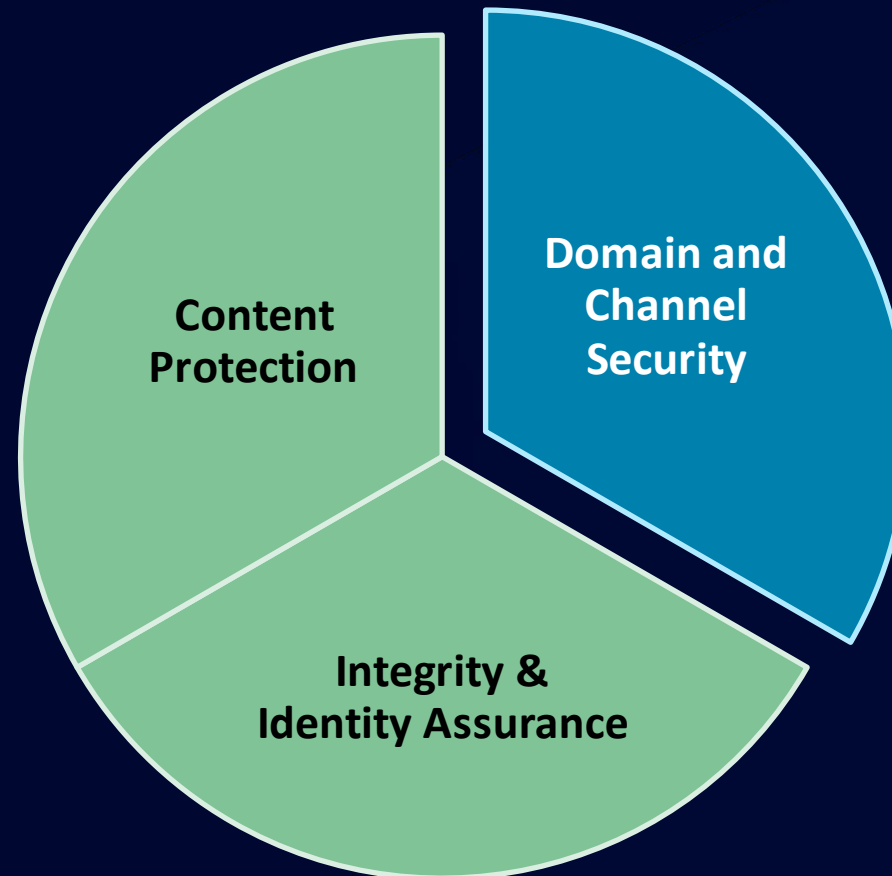
Organizations underestimate lifecycle complexity

Users reject workflows that interrupt productivity

Security becomes fragmented across clients, devices, and workflows

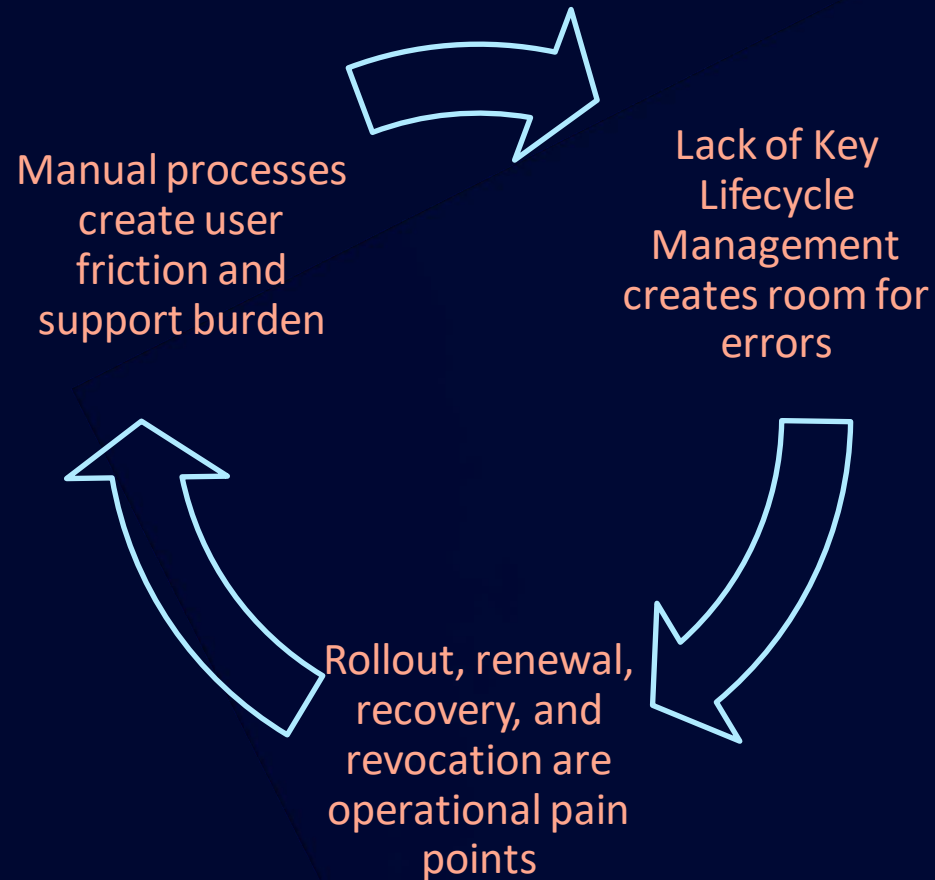
The Misconception: “TLS Means Secure Email”

Transport Security Is Not Content or Identity Security



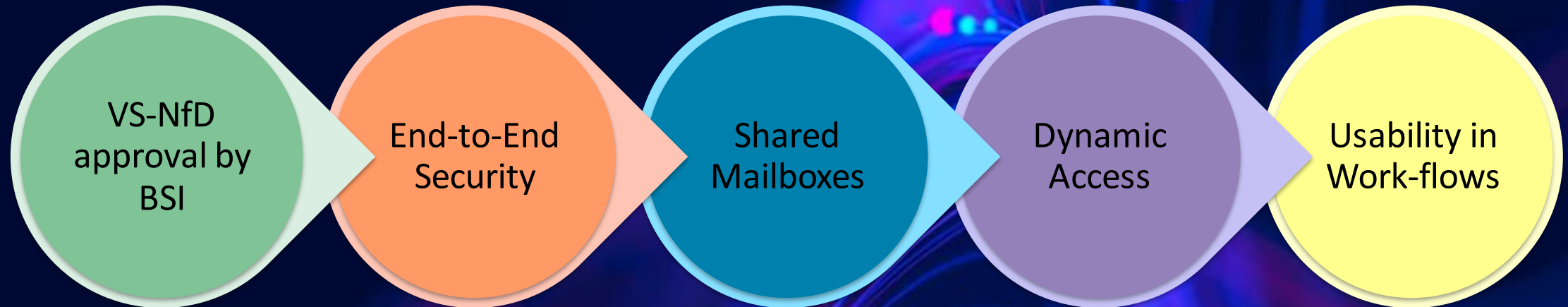
The Real Problem: Operationalizing Cryptography

Cryptography Is Solved. Operations Are Not.



Government Projects Forced a Different Approach

Security Could Not Be Optional



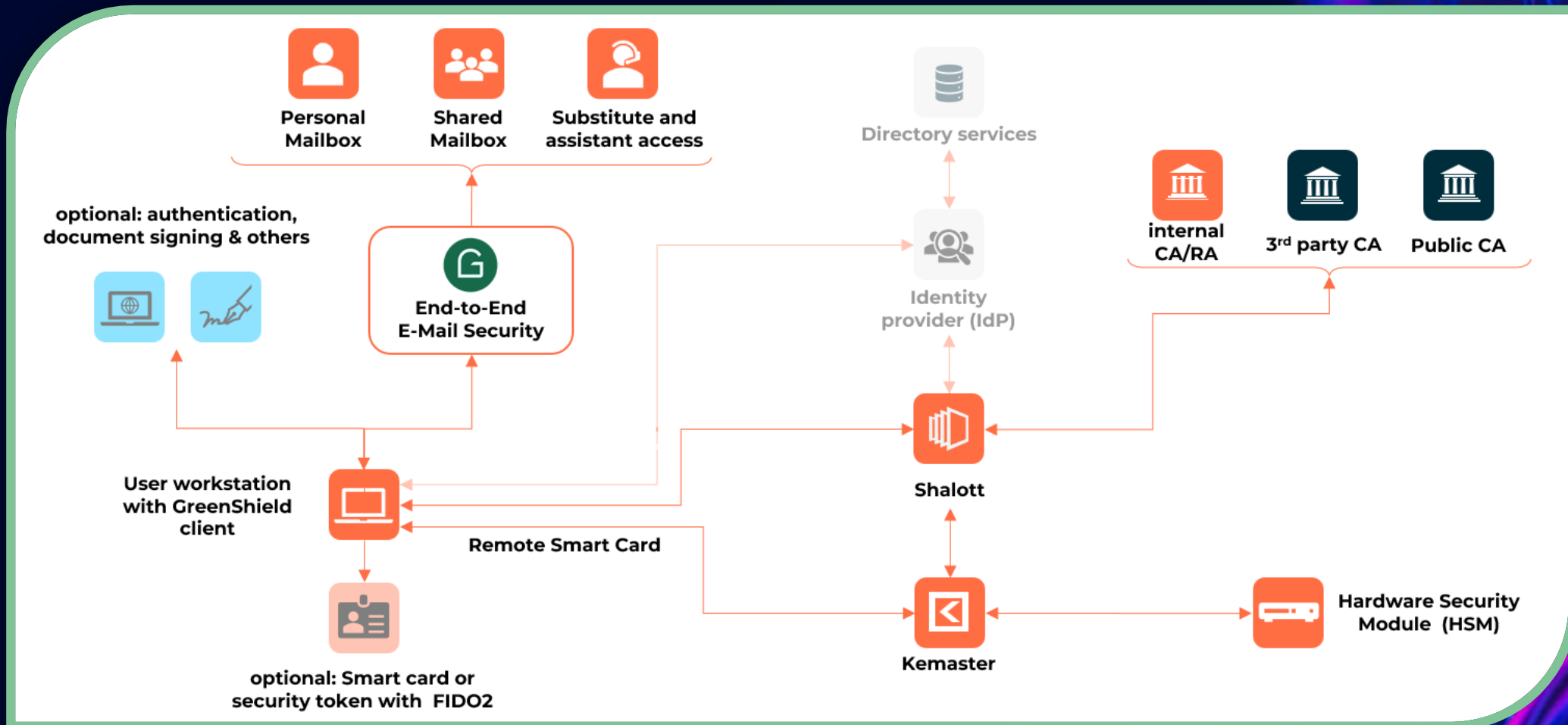
Government Projects Forced a Different Approach

They Secure Email Properly.



Architecture Overview

Combining GreenShield, Shalott, Keymaster and SCinterface



What the Projects Got Right

Automation Instead of User Dependency



Automated
certificate
provisioning



Centrally managed
lifecycle events



Enforced security
policies



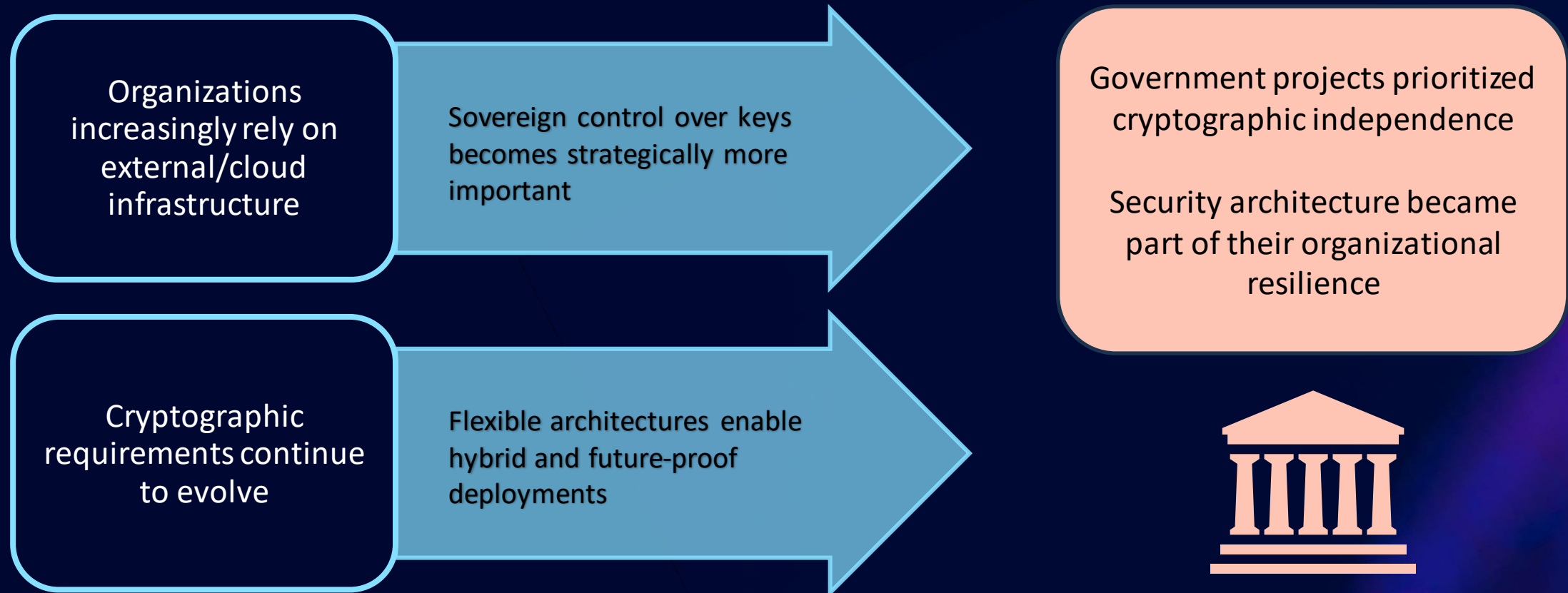
Reduced workflow
disruptions



**No need for
cryptographic
expertise by end
users**

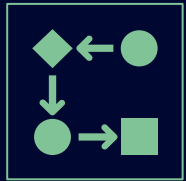
The Role of Digital Sovereignty

Why Control Over Keys and Identity Matters



Lessons Learned

What Enterprises Can Learn From Government Deployments



Security must integrate into existing workflows

Lifecycle management is more important than initial rollout



Automation is essential for scaling secure communication

User experience directly impacts security effectiveness



Strong security only works when operations remain manageable

Key Takeaway

The future belongs to automated, lifecycle-driven architectures

“Secure communication must become invisible infrastructure.”

Thank you

Julia Zimmermann, Eviden Digital Identity