



# Identity Threats Detection and Response – the new buzz word for 2023?

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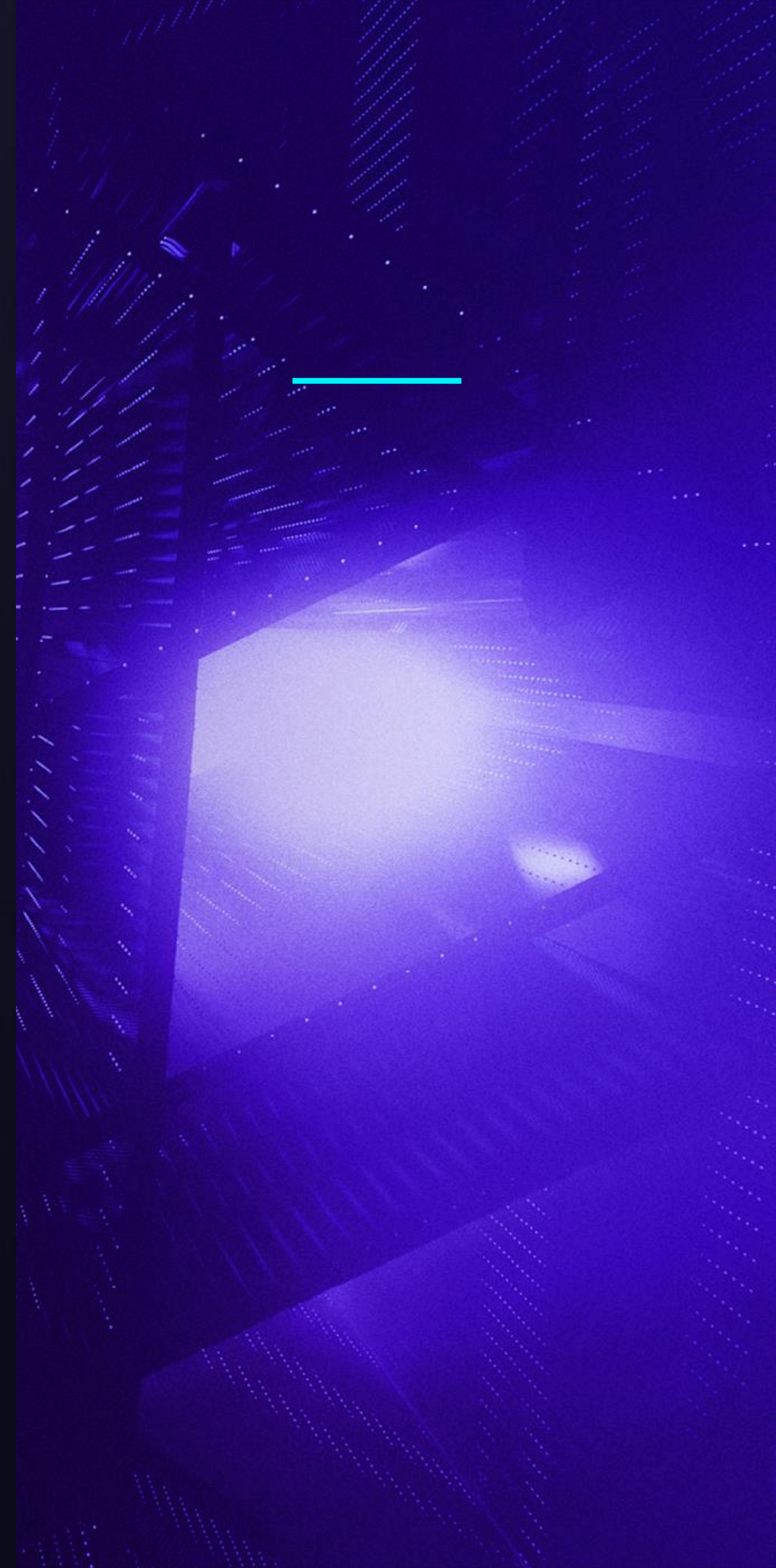
# Agenda

- Identity Security Challenges
- Limitation Of Today's Security Controls
- How We Need To Evolve Our Security Controls





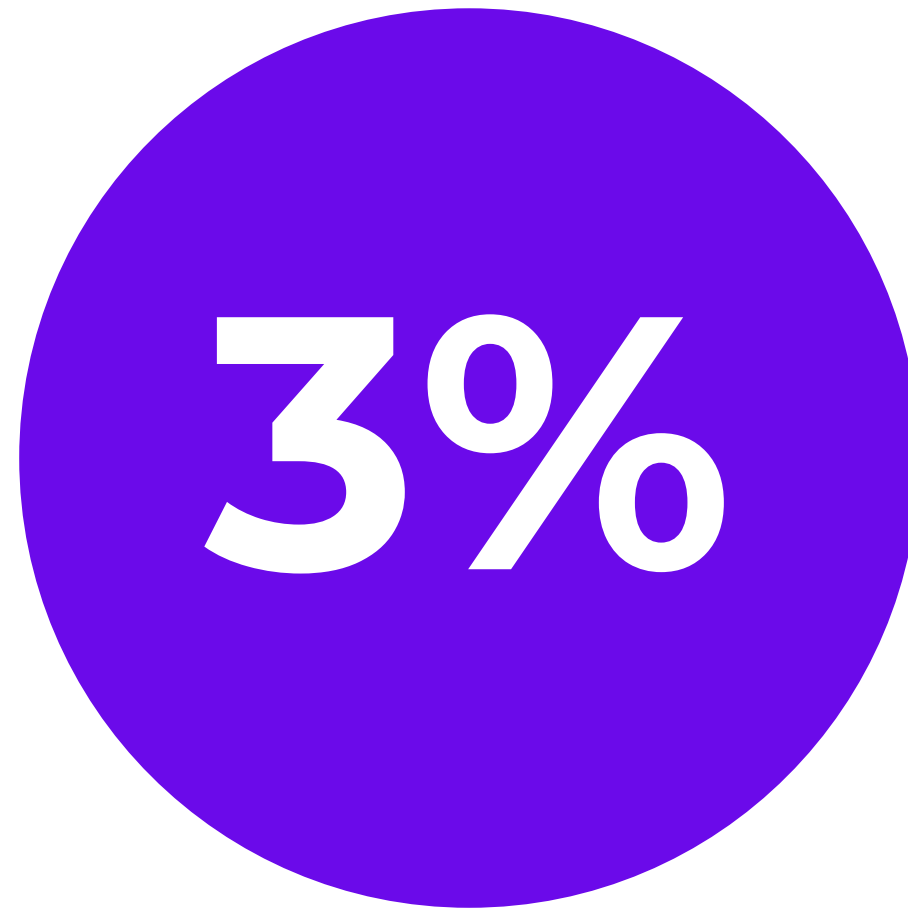
# Identity Security Challenges



# The Elephant In The Room



Organizations use  
Microsoft Active  
Directory



Organizations fully  
migrated from legacy  
on-premises AD to a  
cloud identity service



Organizations see the  
need to protect AD with  
additional security  
measures

# Identity Security Challenges

78%

Organizations experienced direct business impacts due to identity-related breaches

96%

Organizations confirmed they have prevented or minimized the breach by implementing better security outcomes



Exponential increase of managed identities in a enterprise (B2B, B2C, etc.)



Cloud environments vulnerable for identity-based attacks



living off the land (LotL) techniques increasingly leveraged by attackers



Poor identity security hygiene (MFA, password policies, etc.)



Inadequate Management Of Privileged Identities

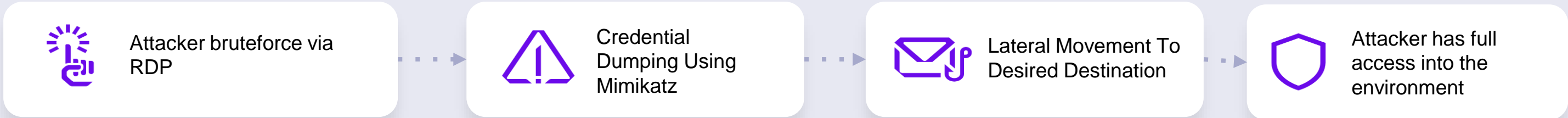


# Identity Based Threatpaths



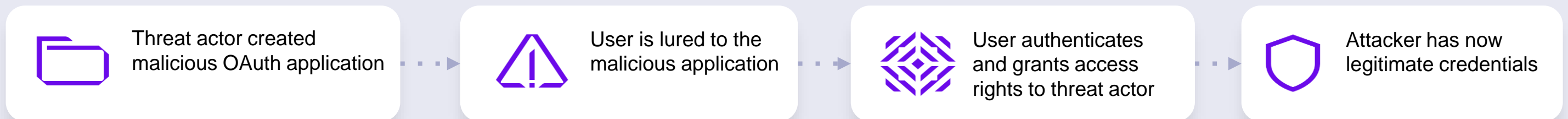
## Scenario A - Lateral Movement

MOST COMMON



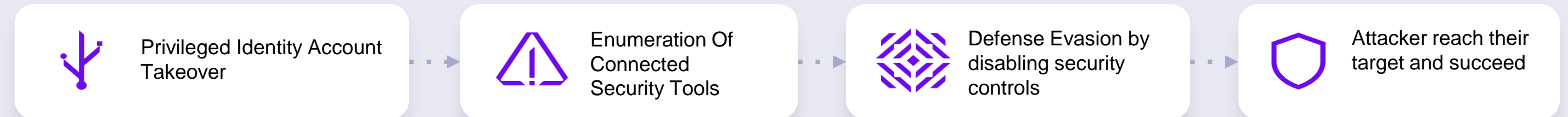
## Scenario B – Modern Social Engineering Attack

INCREASINGLY LEVERAGED



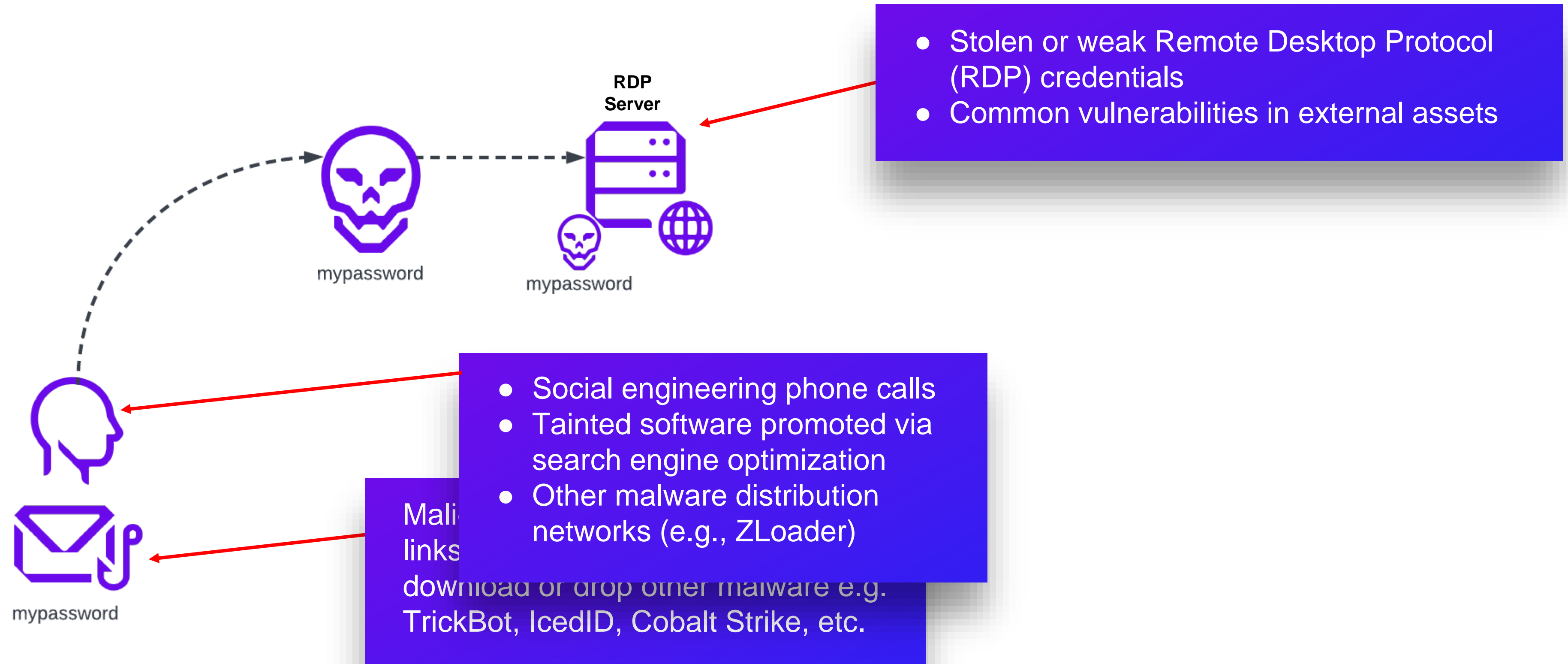
## Scenario A - Cloud Environment Compromise

NEW PATHS



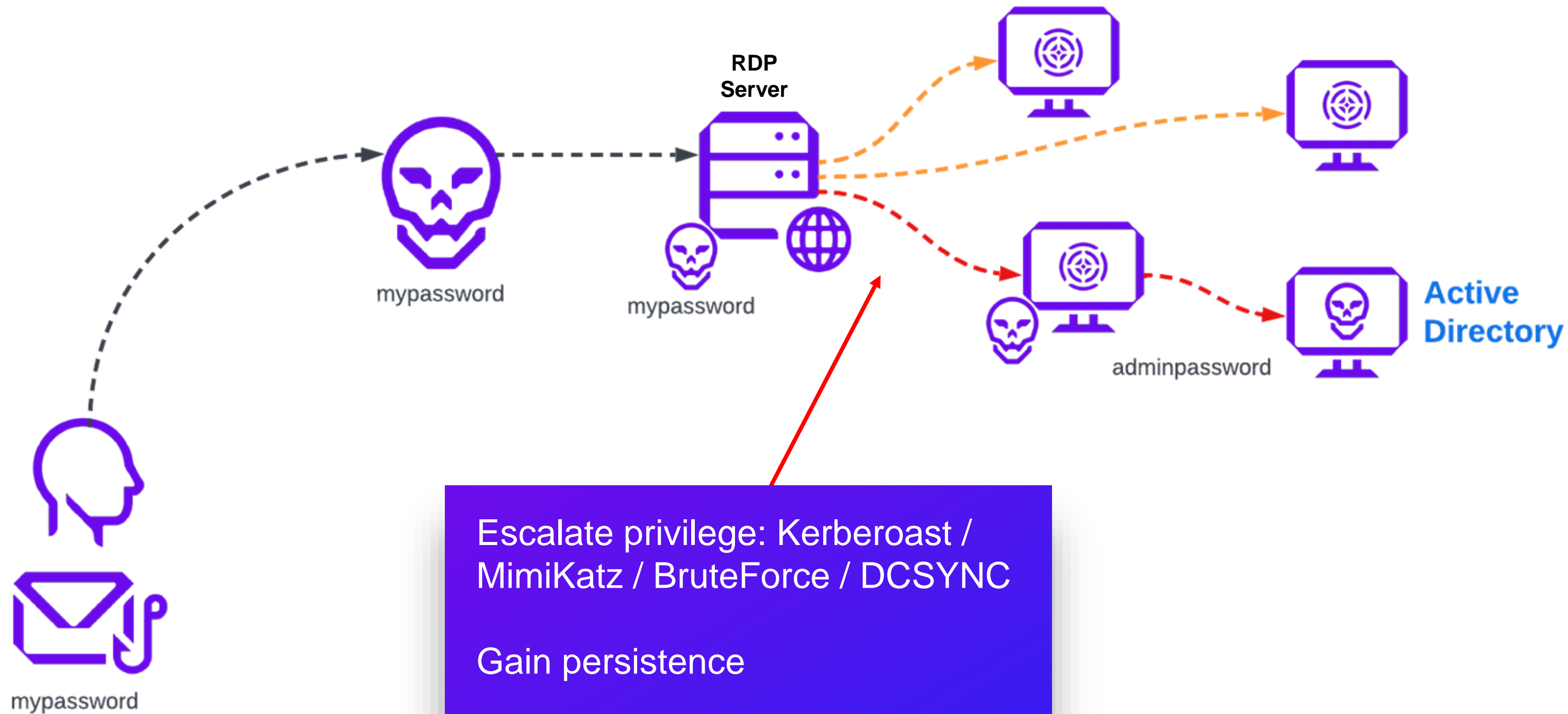
# Using Active Directory to Spread Ransomware

## Example Attack Anatomy



# Using Active Directory to Spread Ransomware

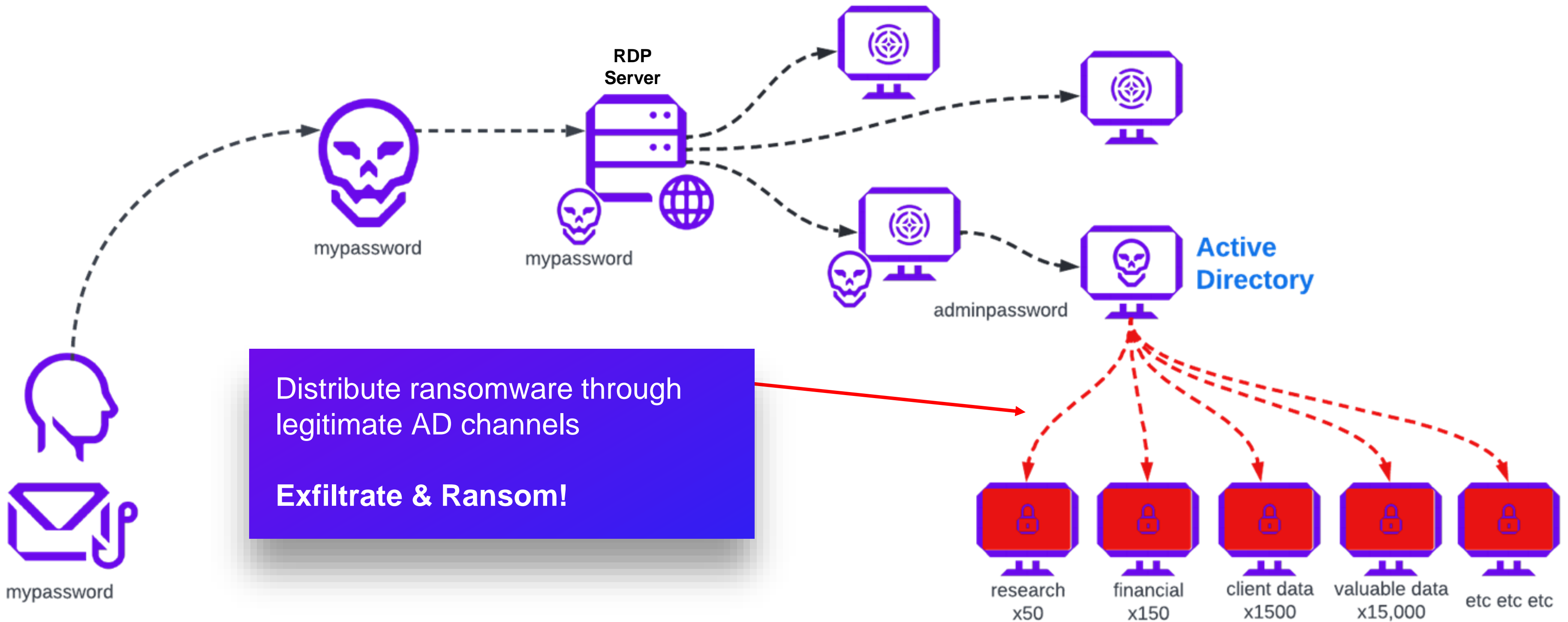
## Example Attack Anatomy





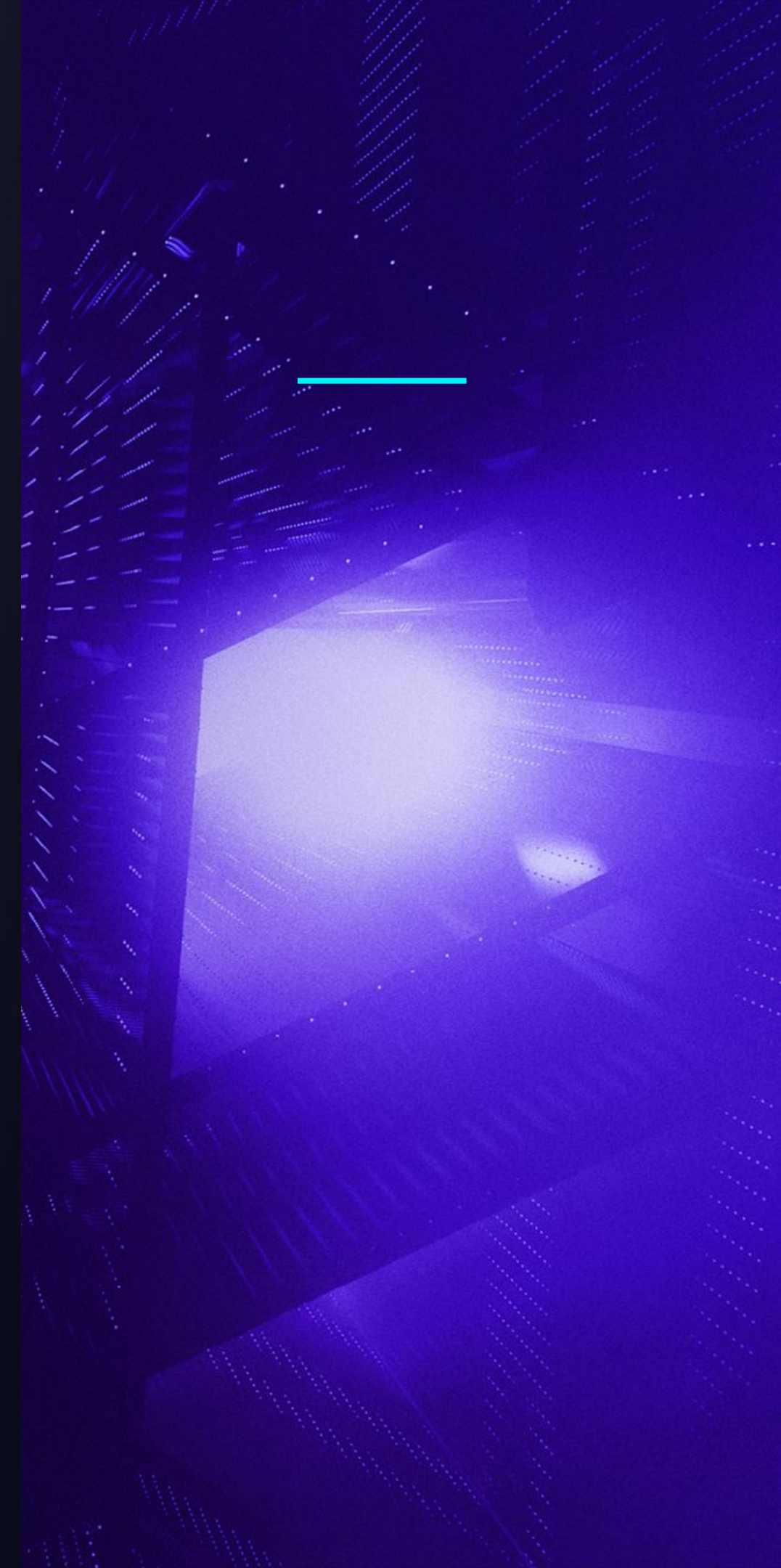
# Using Active Directory to Spread Ransomware

## Example Attack Anatomy

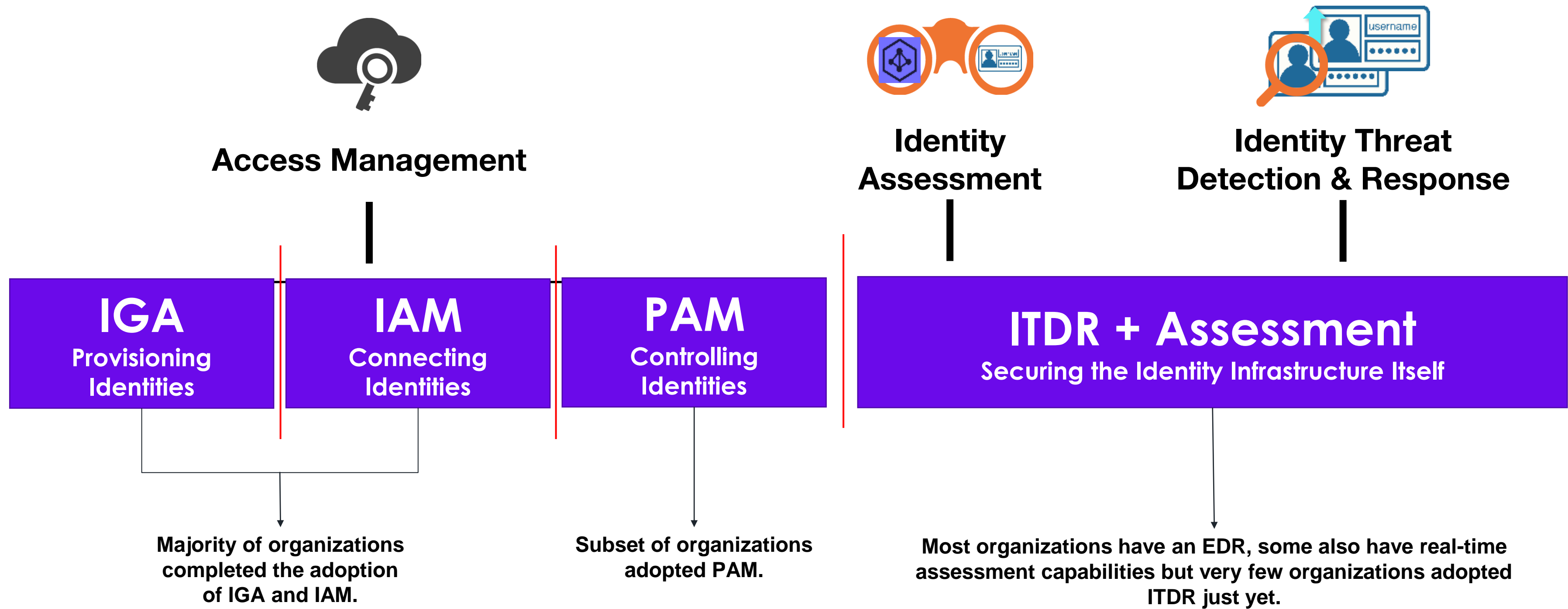




# Limitation of today's security controls

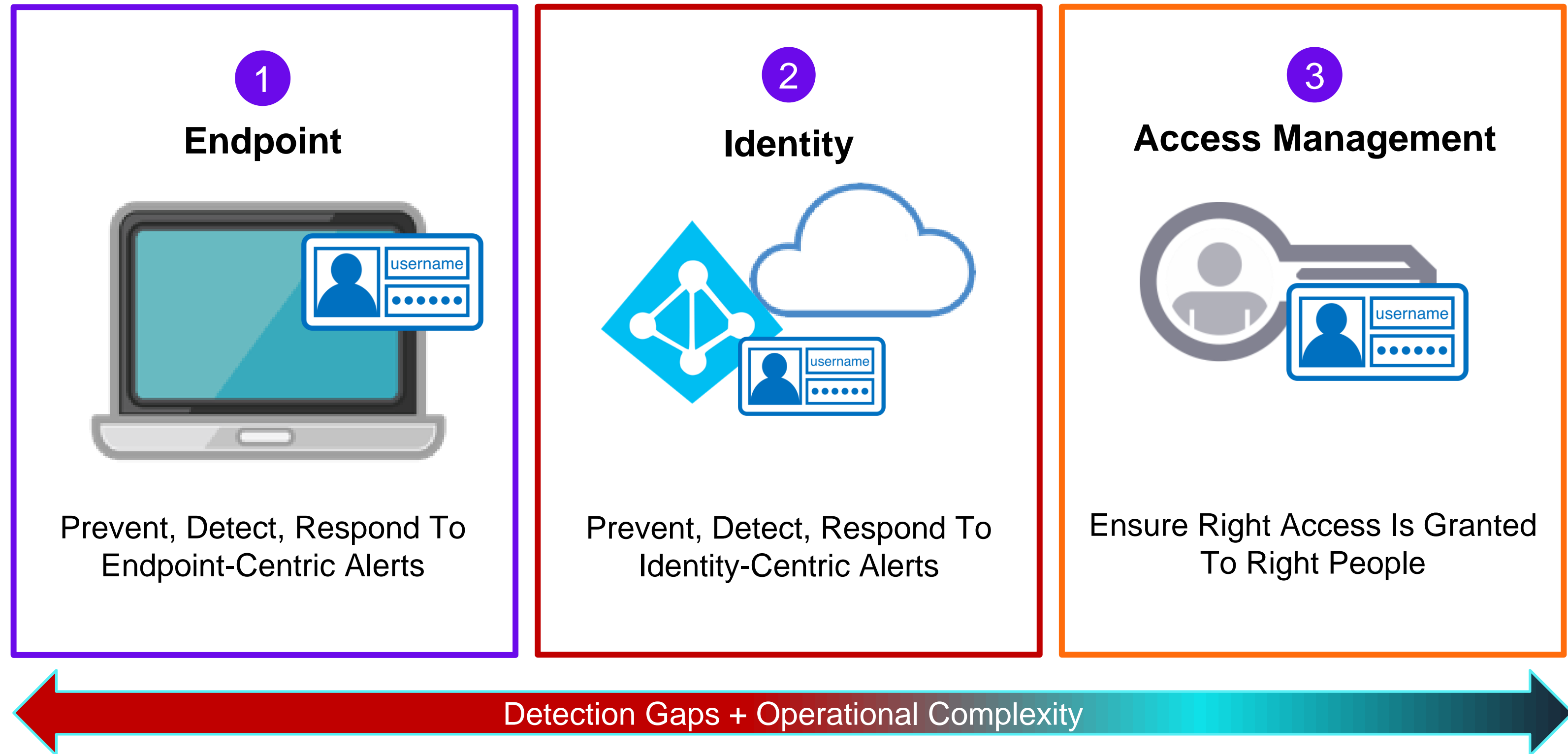


# Journey Of Identity Security



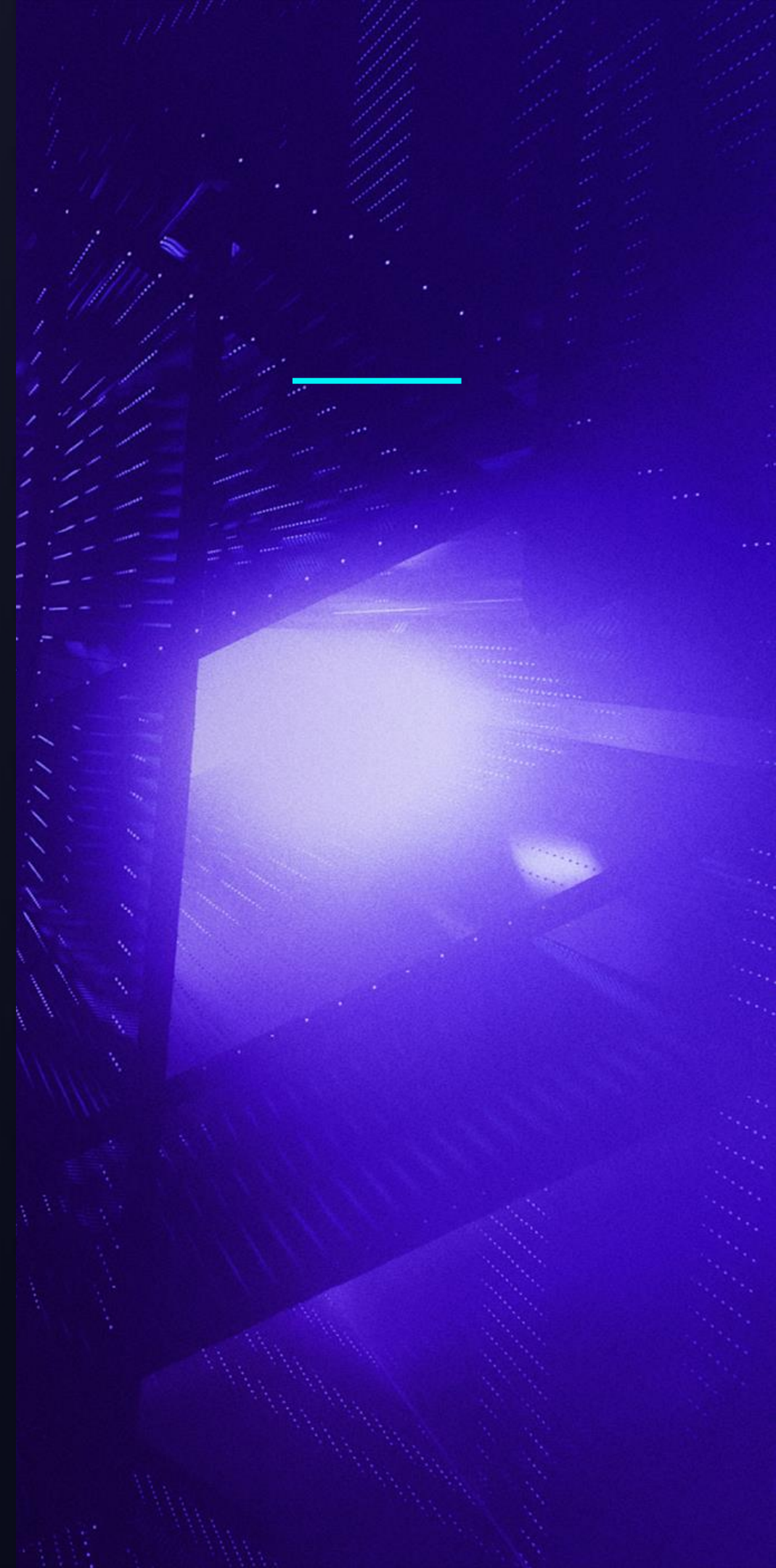


# The Gap in Traditional Defenses










# How We Need To Evolve Our Security Controls



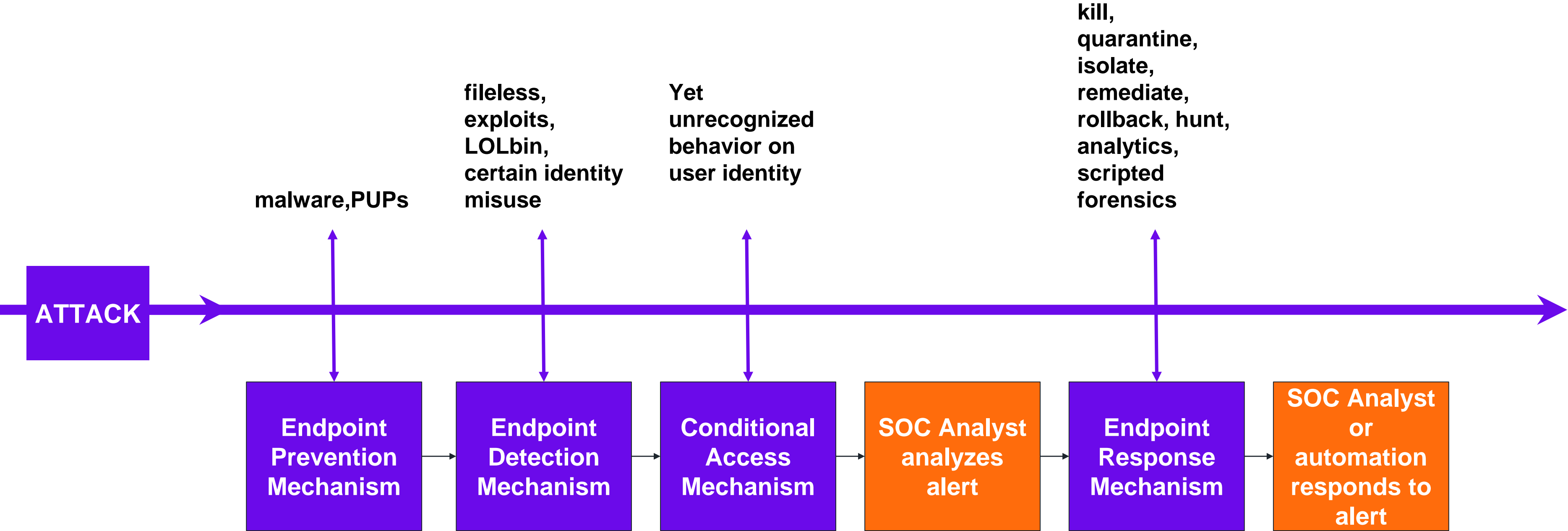
# Identity Security Challenges and Requirements

	Challenge	People	Process	Tech
 IDENTITY POSTURE	Exponential increase of managed identities in a enterprise (B2B, B2C, etc.)	Drive awareness that it's no longer just employee identities we need to worry about	Managing B2B and B2C user identities	Identity and Access Management (IAM) solution
 CLOUD ENVIRONMENT	Cloud environments vulnerable for identity-based attacks	Adequate training to understand cloud security threats and impact to user identities	Defined roles and responsibilities between cloud and identity teams	Cloud Security Posture Management (CSPM)
 COMPLEX ATTACKS	Living off the land (LotL) techniques, zero days, and cloud vulnerabilities increasingly leveraged by attackers	Security awareness training for end users and IR training for security professionals	Incident response playbooks beyond the endpoint-centric surface.	Deception, Detection, and Response Across Identity and Endpoint
 SECURITY HYGIENE	Poor identity security hygiene (MFA, password policies, etc.)	Educate on adoption of MFA, strong password/no password auth	Identity security best practices outlined as procedures.	Attack Surface Management (ASM) and Cloud Identity Entitlement Management (CIEM)
 PRIVILEGED IDENTITY	Inadequate Management Of Privileged Identities	Ensure employees and contractors are comfortable with operating priv. identities	Defined RACI model for user identities in and outside organization	Modern Privileged Identity Management (PIM)

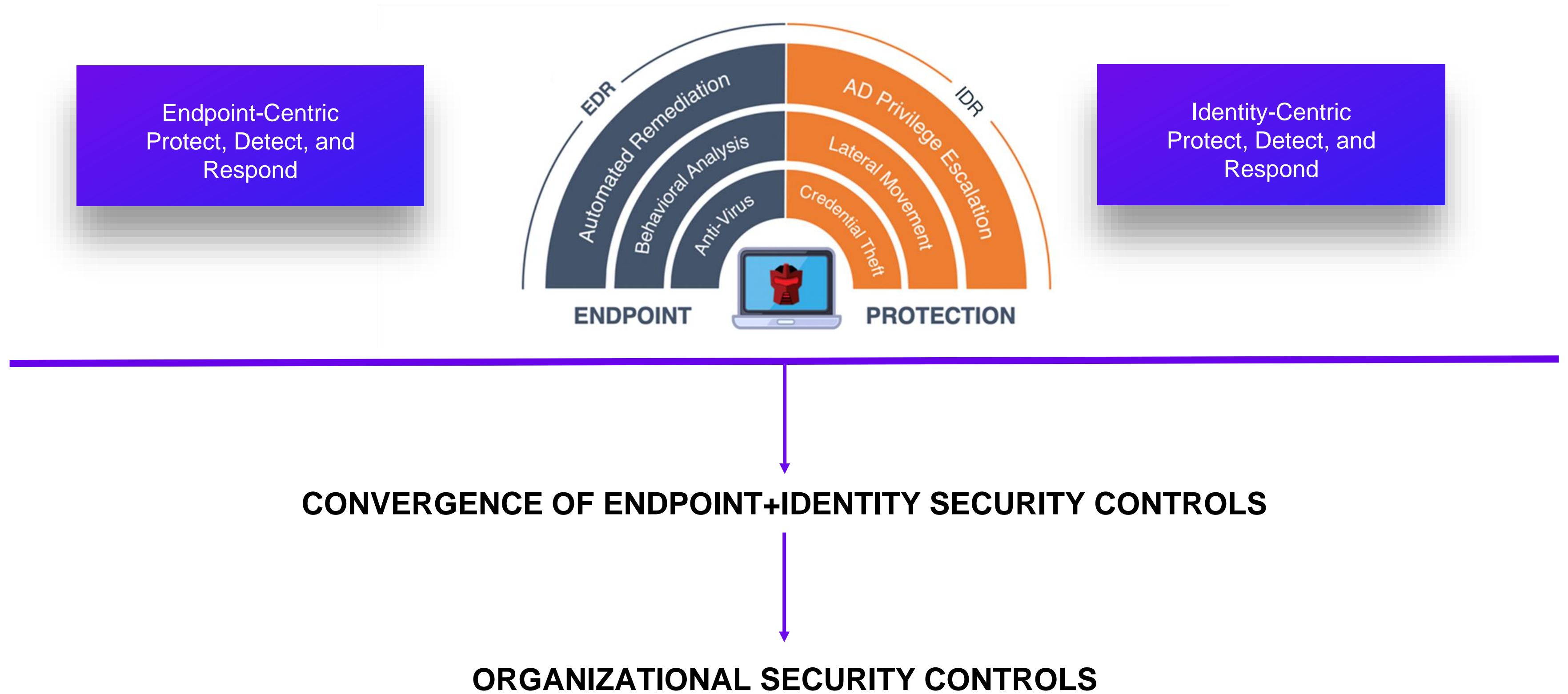


# Rethinking Our Attack/Security Chain

## Post-Breach

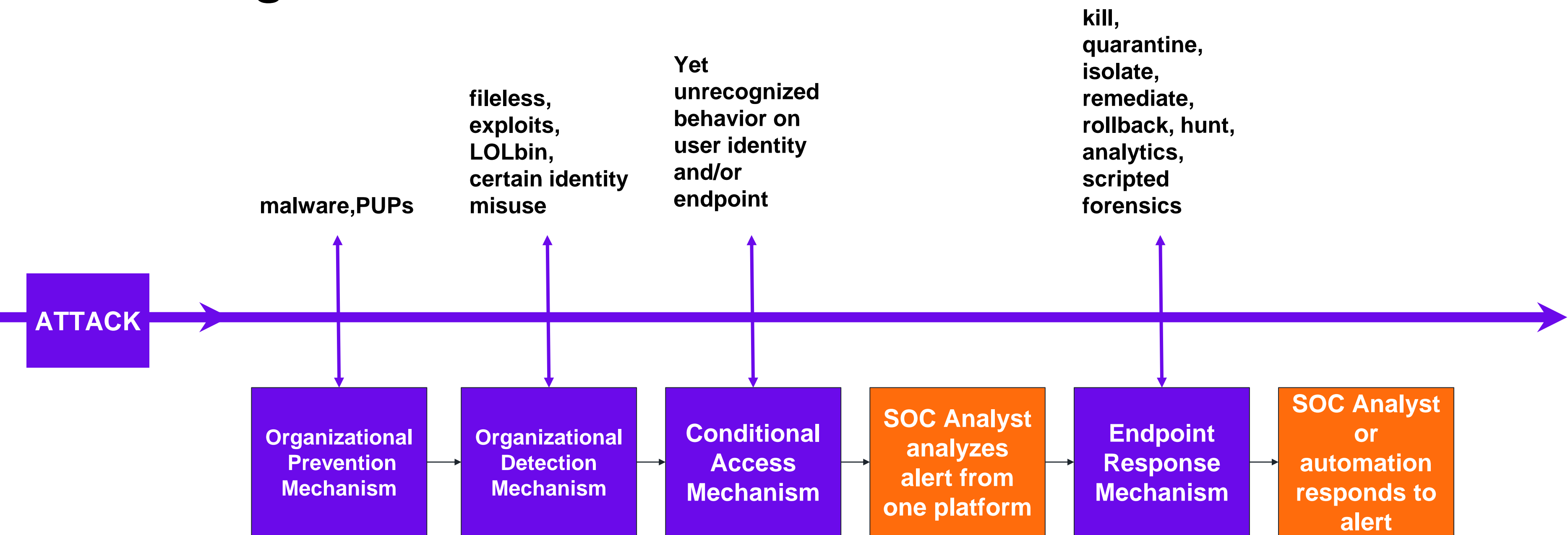


# Organizational Cyber Threats Requires Convergence



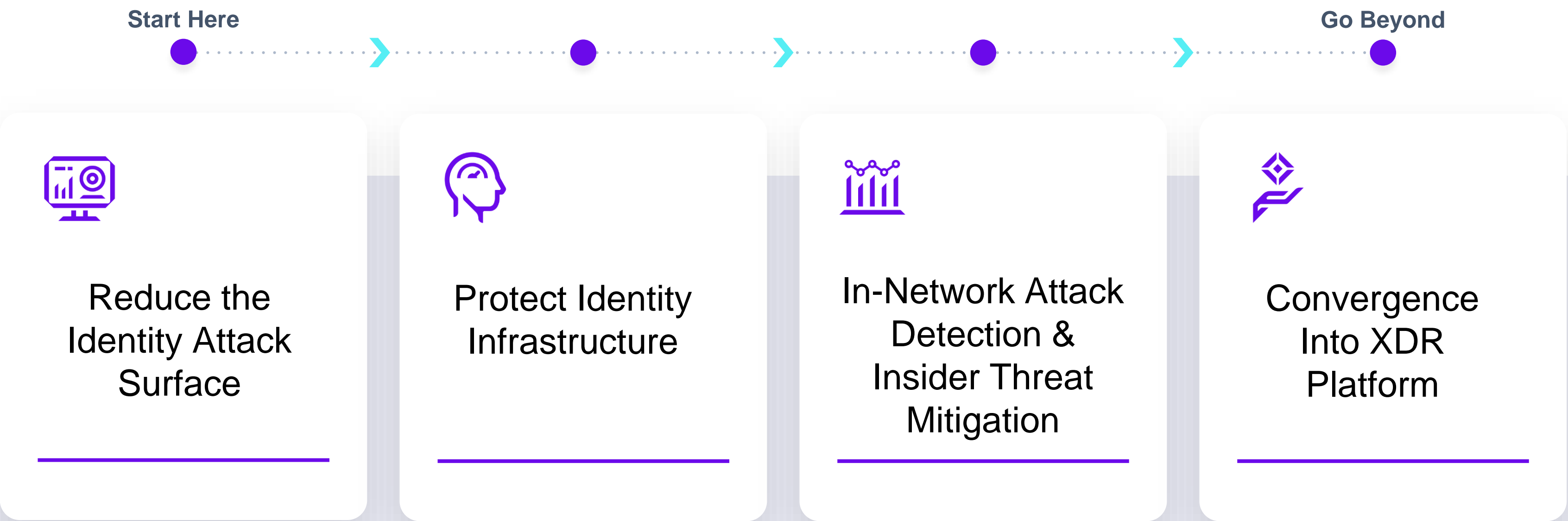
# Rethinking Our Attack/Security Chain

## *Convergence Post-Breach*





# So What's Next?





# Thank You

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