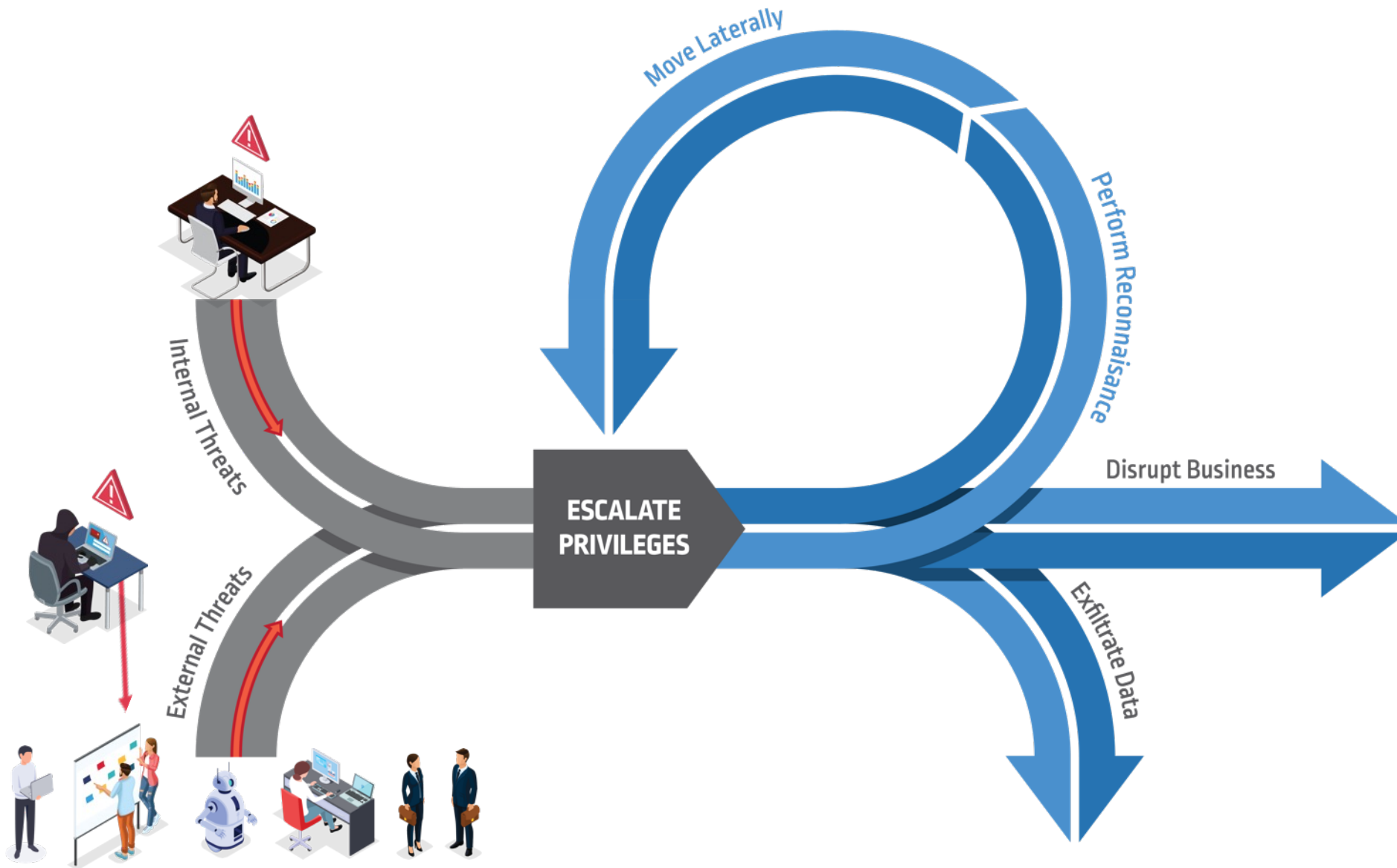# How to unify management and protection of all identities
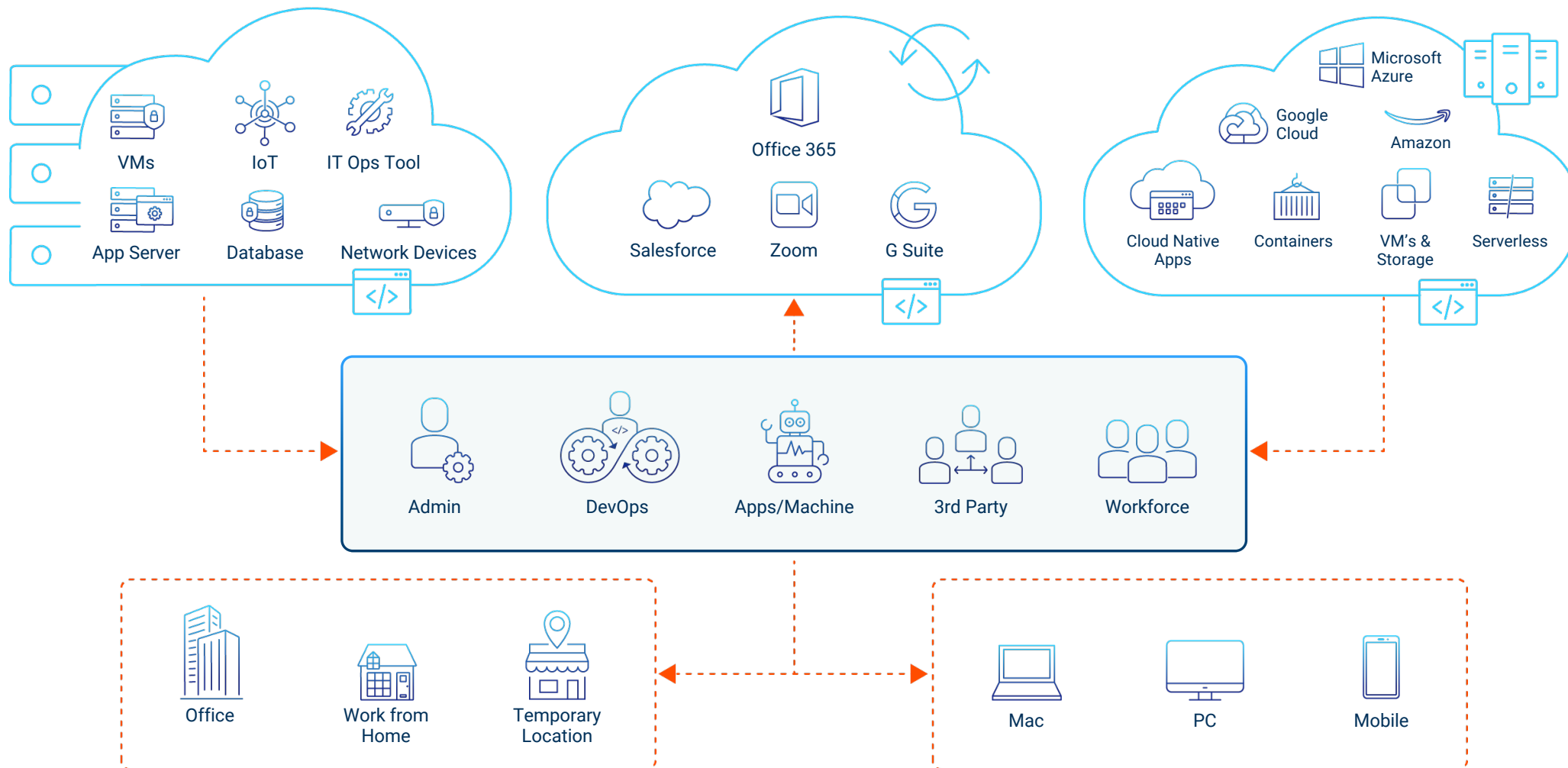
Katarzyna Plocke
Bartosz Kryński

Technology changes. Attack paths don't.

Privilege is everywhere. All identities can become privileged under certain conditions.

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How to move from audit compliance to comprehensive program?

Leading Insurance Company Strengthens Security, Boosts Regulatory Compliance And Delivers Digital Transformation

GOAL
Provide password rotation for selected databases, enforce standarization in privileged access with tiering model

SOLUTION
CyberArk Identity Security Platform to strengthen security and boost regulatory compliance as the business consolidates

RESULTS
- Effective privileged access management strategy
- One solution for many use cases
- Unified identity security program for ZTA

Customer Case Study

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Identity Security project plan

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Legend

- Strategy Refresh
- Access Controls
- PAM Controls
- Least Privilege Controls
- Secrets Management Controls

CP1

ACCESS

Enforce efficient authentication for selected important identities

CP2

LEAST PRIVILEGE

Least privilege on DevOps and admin workstations

CP3

PAM

Meet audit requirements

CP5

PAM

3rd party Vendor optimized access

CP4

PAM

Enforce credential boundaries, exchange different Customer solutions
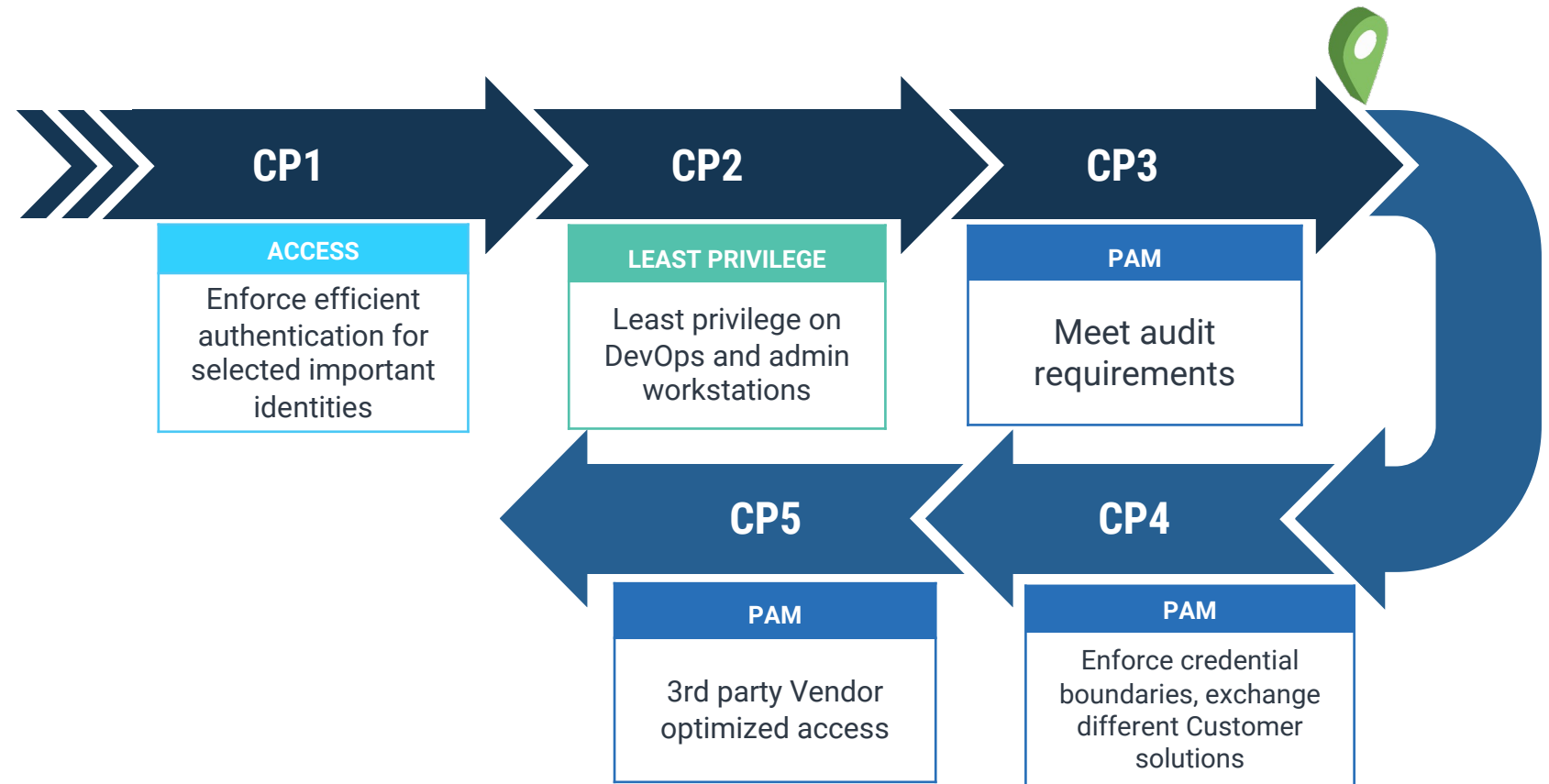
Remote Access to PAM

CYBR\John

CYBR\John

Other User

File   Message   Help

Share to Teams   All Apps   Mark Unread   Find   Zoom   Reply All
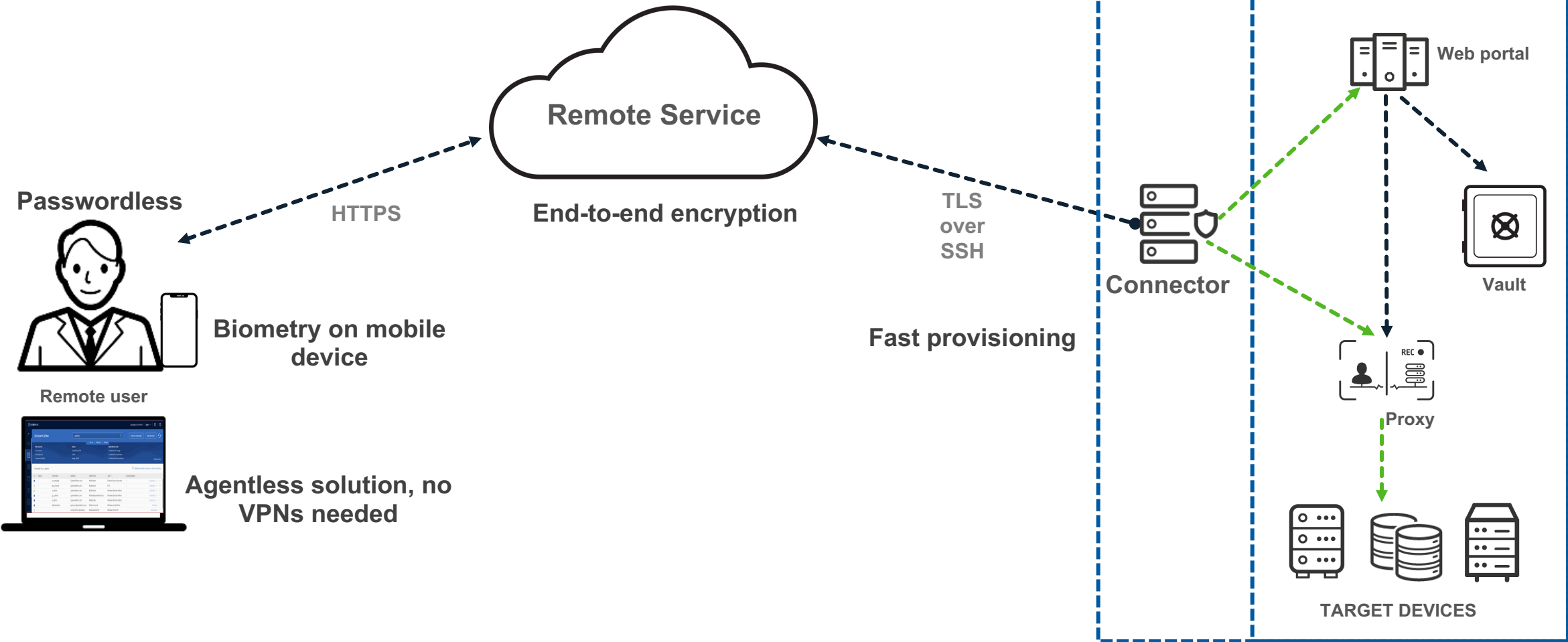
CyberArk Remote Access - You've received an invitation to join BKrynskiEU

C CyberArk <noreply@alero.eu>

To 🔴 Katarzyna Plocke

Reply   Reply All   Forward

Fri 9/8/2023 10:16 AM

ⓘ If there are problems with how this message is displayed, click here to view it in a web browser.

CyberArk Security Warning: This is an external email!

◢ REMOTE ACCESS

Hi Katarzyna,

You have been invited to join BKrynskiEU using the CyberArk Mobile app.

Join BKrynskiEU

Trouble clicking? Use this URL:

https://portal.alero.eu/user-join/11eabba8792fd95082862790fae5ecd0/11ee4e1ff44
aa7b5901fefa4d3c44833/vendor

BKrynskiEU applications

Access details

Time frame: Sep 08, 2023 - Sep 10, 2023

Allowed working days: All week

Allowed working hours: All day

Invited by: Bartosz Krynski (Administrator)

Privileged Access Manager (PAM) applications

PVWA

⋮

Site name: Cyberark Datacenter Warsaw v13

comp01.cybr.com/PasswordVault/v10/Monitoring

PAS   EPM   PTA   Privileged Cloud   Swagger UI   PAS   DAP   C3 Alliance

Monitoring

Last sign in: 9/4/2023   Mike

Filter

Filters

Sessions properties ?	Sessions activities ?	From		To	
		09/06/2023	12:00 AM	09/08/2023	11:59 PM
		Today			

Apply

Recordings   ⏺ Active sessions

1 results for: From: 9/6/2023 12:00 AM , To: 9/8/2023 11:59 PM   ✕ Clear all filters   ? Additional details & actions in classic interface

Risk	User	From IP	Client	Account User Name	Account Address	Account Policy ID	Start	
🔴 75	katarzyna.plocke	10.0.0.60	RDP	g_x_admin	CYBR.COM	WindowsDomainAccountPSMGW	9/8/2023 04:33 AM	Monitor ⋯

Type here to search

4:34 AM
9/8/2023

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bako tech ®

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Enforce efficient authentication for selected important identities

CP2

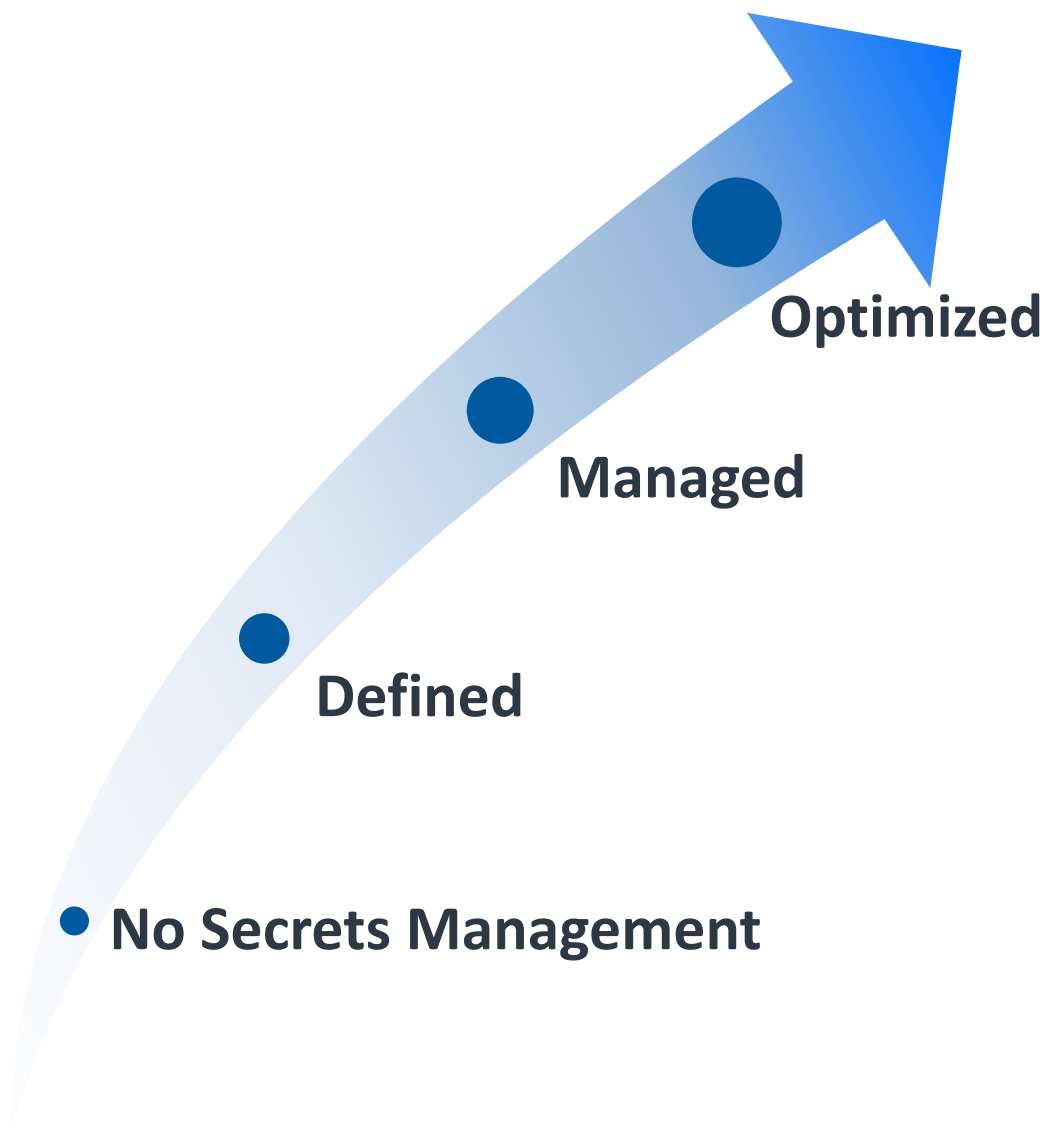| LEAST PRIVILEGE |
|---|
| Least privilege on DevOps and admin workstations |

CP3

PAM
Meet audit requirements

CP7

SECRETS MANAGEMENT
DevOps Secrets Standardization

CP6

SECRETS MANAGEMENT
RPA and security tools secrets security

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Secrets Management Maturity Guide

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Optimized

Managed

Defined

● **No Secrets Management**

3	• Enterprise standard solution for secrets management • Automated processes • Security highly involved
2	• Clear secrets management governance • DevOps and security work together to protect apps • Protect cloud workloads
1	• Clear governance for static apps • Static application and RPA processes secured • Dev teams use their own tools
0	• No secrets management policy • Dev teams have no guidance • No audit trails for machine access (secrets)

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CyberArk Secrets Management Solutions

Extend PAM to secure all application secrets, everywhere across the enterprise

Secure Cloud Native Apps and CI/CD Pipelines	Secure COTS & Bots	Secure n-tier / Static Homegrown Apps	Devices / IOT

Conjur Enterprise & OSS	Conjur Cloud	Secrets Hub	Credential Providers (CP/CCP/ASCP)

SaaS

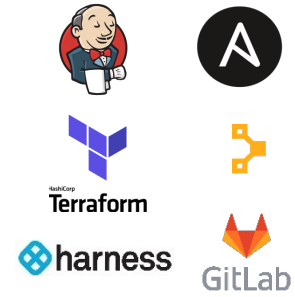**Over 200 out-of-the-box integrations + community supported**

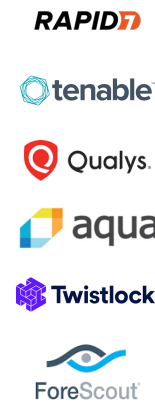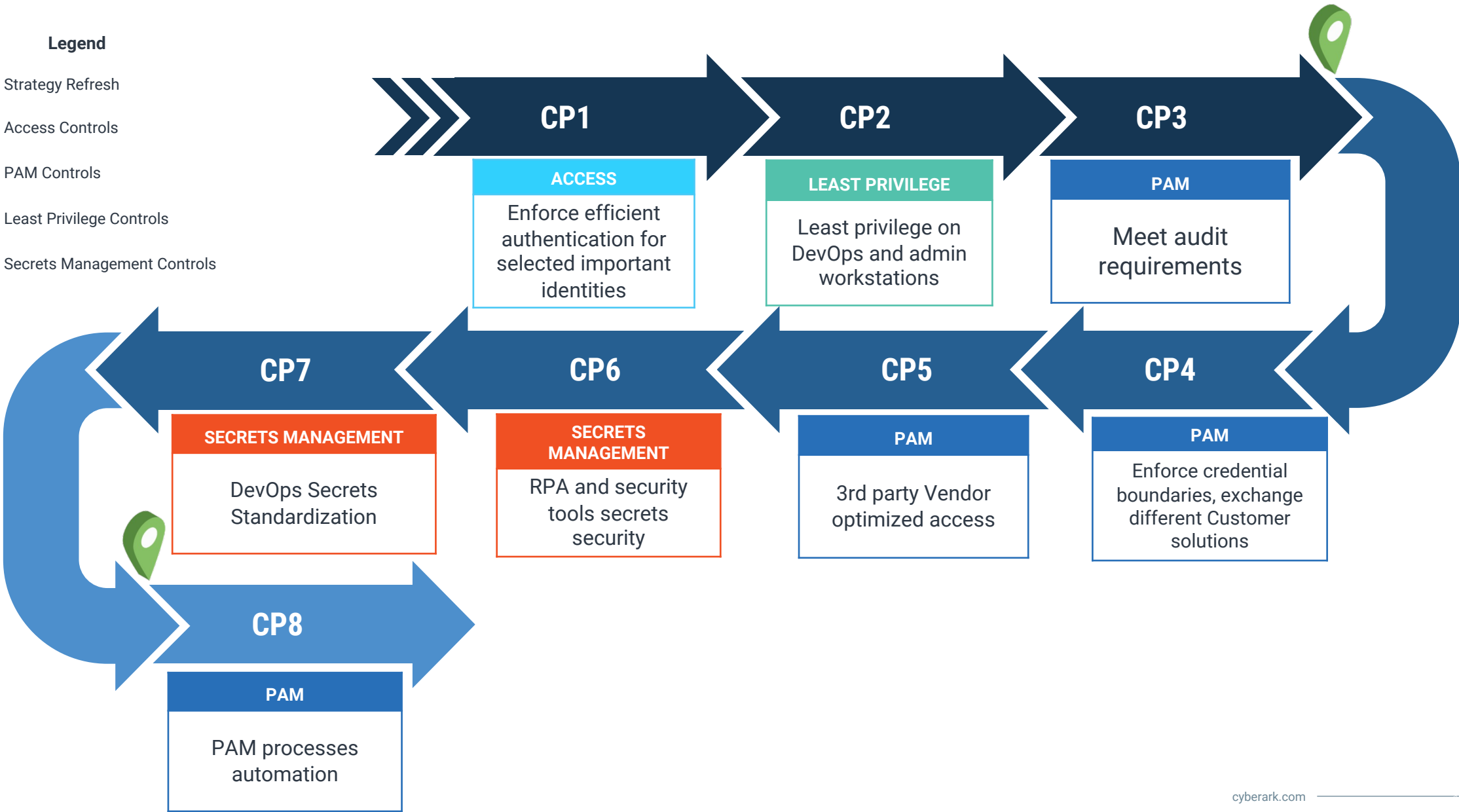| Container platforms	Public cloud	DevOps tools	RPA & automation	Security solutions	ITOPS	Custom apps	App servers	IoT/OT mgmt. platforms

Container platforms: kubernetes, OPENSHIFT, VMware Tanzu

Public cloud: Google Cloud Platform, aws

DevOps tools: Jenkins, Ansible, HashiCorp Terraform, harness, GitLab

RPA & automation: AUTOMATION ANYWHERE, UiPath Robotic Process Automation, blueprism, Automic

Security solutions: RAPID7, tenable, Qualys, aqua, Twistlock, ForeScout

ITOPS: servicenow, bmc, APPDYNAMICS part of Cisco

Custom apps: .NET Core, z/OS, Java

App servers: Apache Tomcat, IBM WebSphere, ORACLE WEBLOGIC SERVER, JBoss

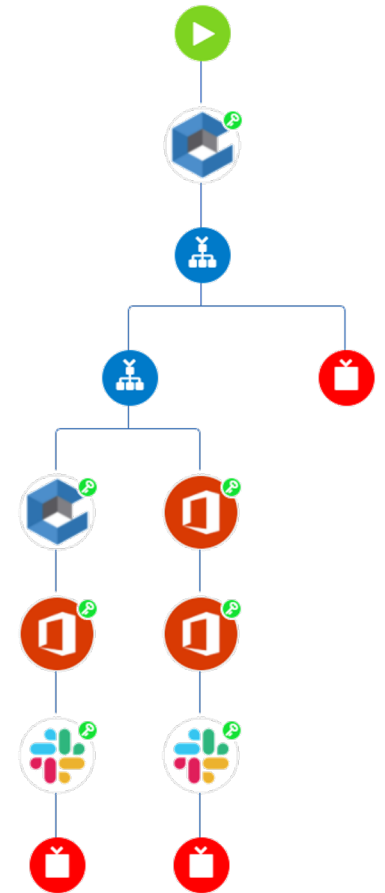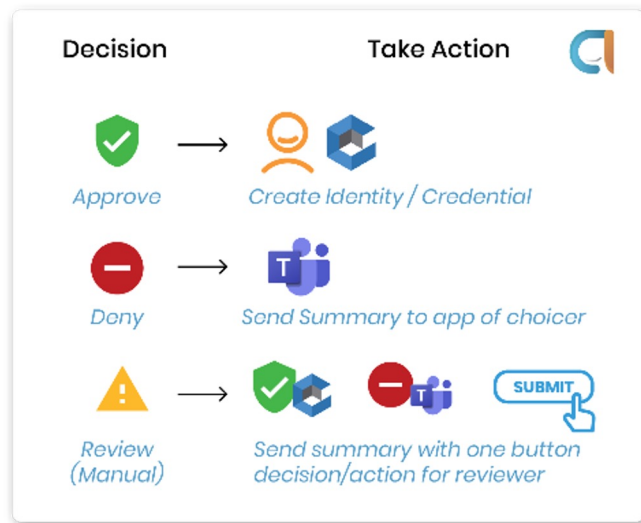IoT/OT mgmt. platforms: Phosphorus, EATON

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PAM processes automation

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CyberArk Identity Flows

Key Features

ACCESS CONTROL

Provision granular access to applications and provide advanced authorizations to access app data

CONFIGURABLE WORKFLOWS

Easily create complex workflows to get any data into any app or take actions based on specific triggers
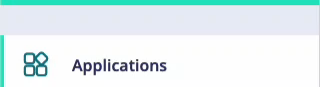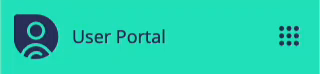
GATHER AND TRANSFORM ANY DATA

Use structured or unstructured data in ANY app(s) with 3000+ connectors and built-in logic

NO-CODE INTEGRATION

Integrate and automate any combination of apps with any identity

https://aap4212.id.cyberark.cloud/my#/MyApps

⚠ You have not yet set up your Phone PIN. Click here to setup now.

PINEAPPLE DEV.

User Portal

Applications

👤 Babe Ruth

🔍 Search Apps   Custom ▾   + Add Apps   ⚙

Applications

Account

Identity Certification

All Apps

Safe Access Request	Vendor Alpha Web ...

Online help

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PAM

PAM processes automation

CP9

PAM

Cloud Security

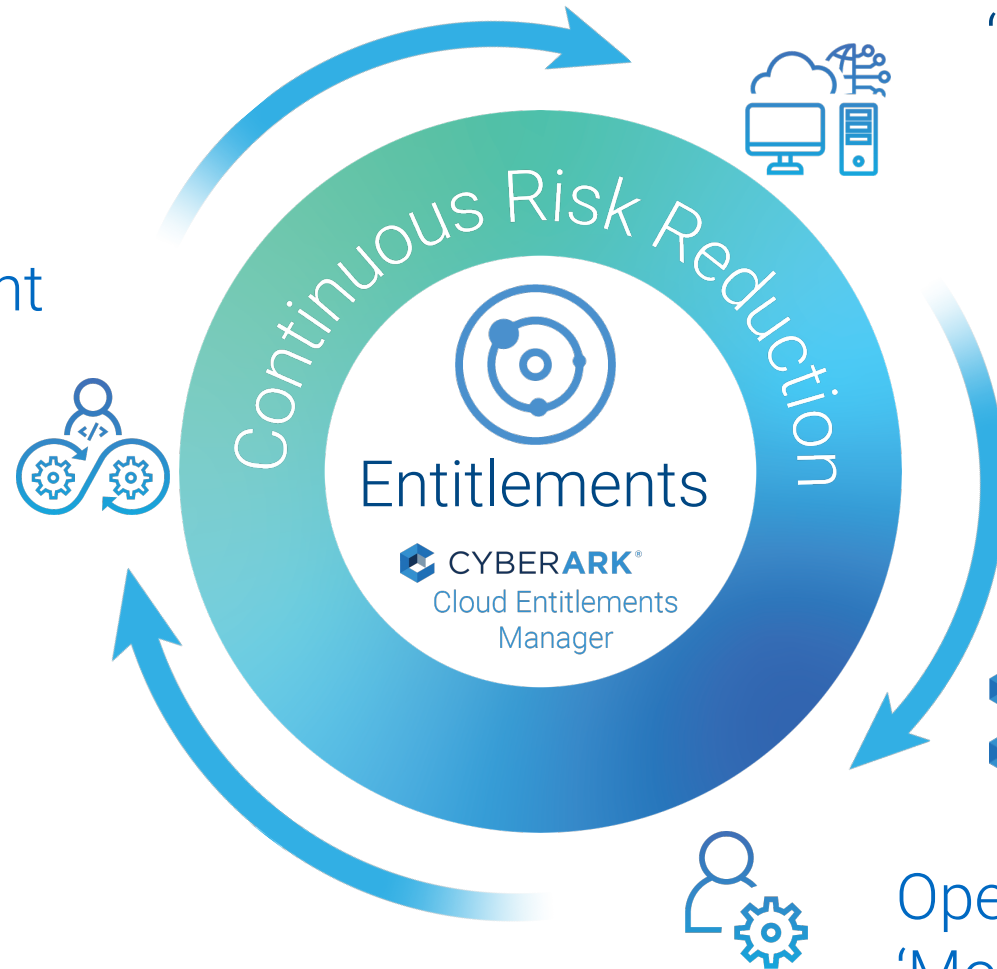**CP10**

...

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Privilege Access in Clouds

bako tech®

CYBERARK® | Privileged Access Manager

System Access
'Classic PAM'

CYBERARK® | Conjur

Secrets Management and App Identity

Continuous Risk Reduction

Entitlements

CYBERARK®
Cloud Entitlements Manager

CYBERARK® | Dynamic Privileged Access
CYBERARK® | Secure Cloud Access

Operational Access: Just-in-Time
'Modern PAM'

Modern Identity Security Defined

bako tech ®

Identities

- Admins
- Workforce
- Third Parties
- Customers
- DevOps
- Workloads
- Devices

Resources

- Applications & Services
- Infrastructure & Endpoints
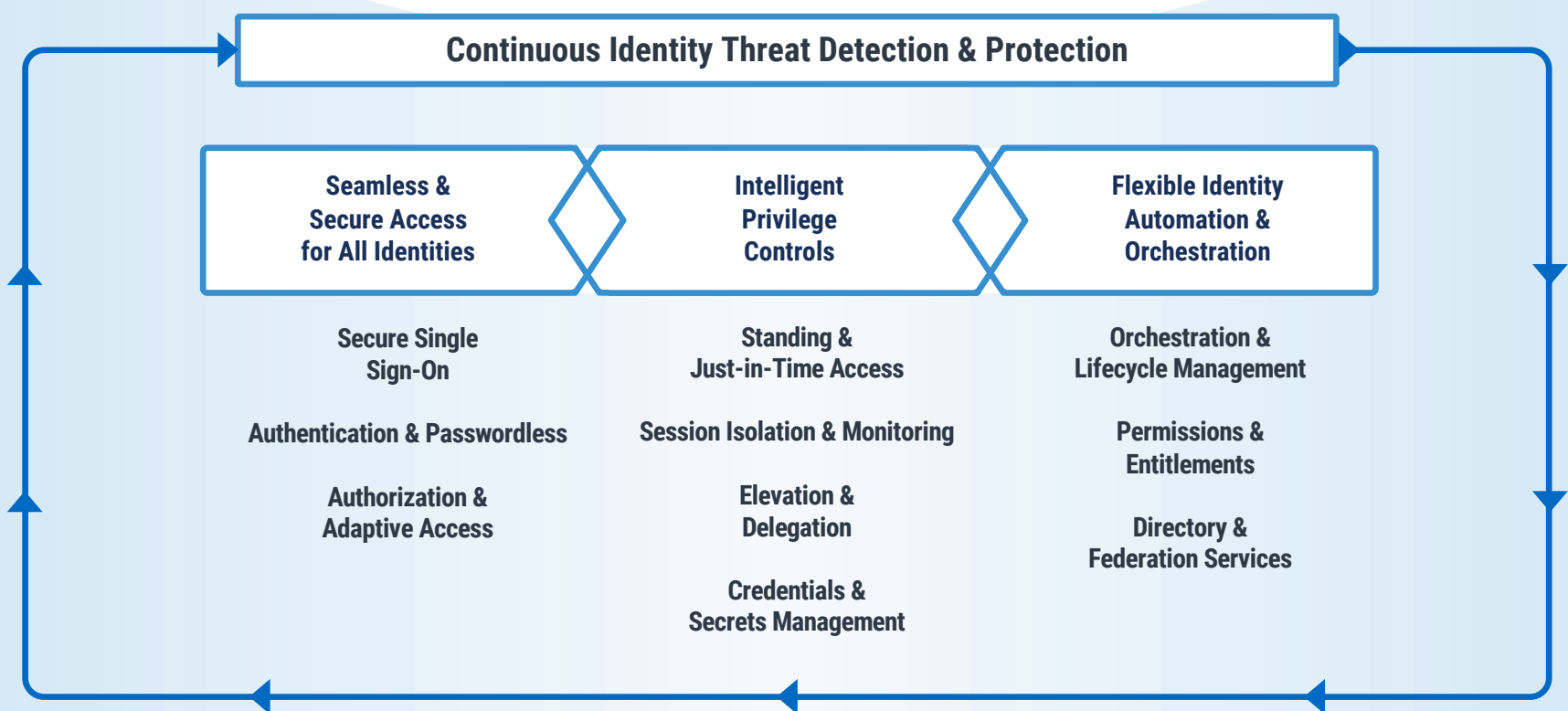- Data

Environments

- Data Centers
- OT
- Hybrid & Multi-Cloud
- SaaS

Continuous Identity Threat Detection & Protection

Seamless & Secure Access for All Identities	Intelligent Privilege Controls	Flexible Identity Automation & Orchestration
Secure Single Sign-On	Standing & Just-in-Time Access	Orchestration & Lifecycle Management
Authentication & Passwordless	Session Isolation & Monitoring	Permissions & Entitlements
Authorization & Adaptive Access	Elevation & Delegation	Directory & Federation Services
	Credentials & Secrets Management	

Enforce Least Privilege | Enable Zero Trust

Contact us if you have any questions!

Katarzyna.Plocke@cyberark.com

Armands.Alvaters@bakotech.com

Bartosz.Krynski@cyberark.com

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