

How to unify management and protection of all identities

Bartosz Kryński

Solutions Engineering Team Leader, CISSP





Dan IT Administrator





**Dan**IT Administrator







## 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

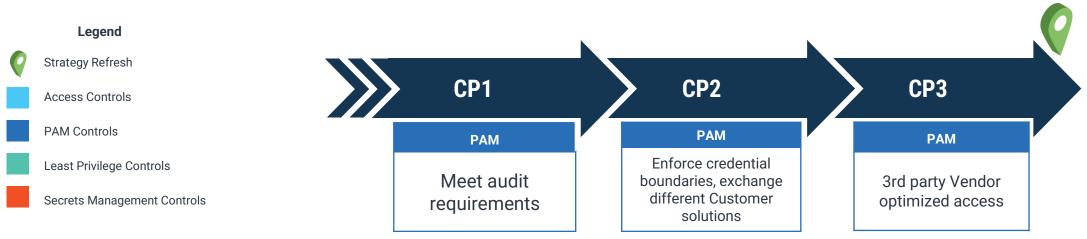
- Effective privileged access management strategy
- One solution for many use cases
- Unified identity security program for ZTA



**Customer Case Study** 

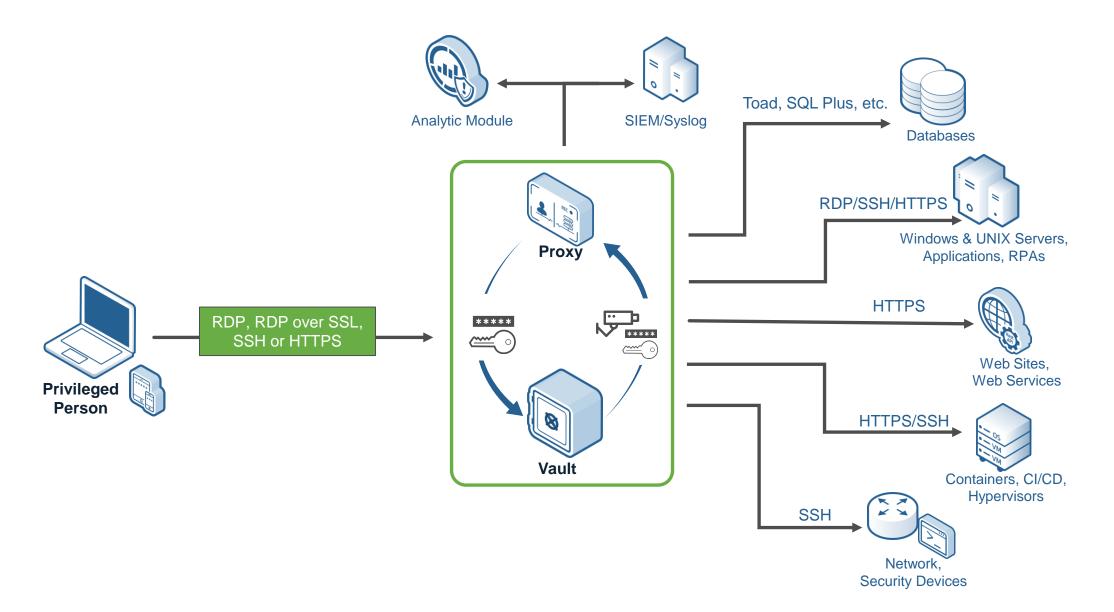






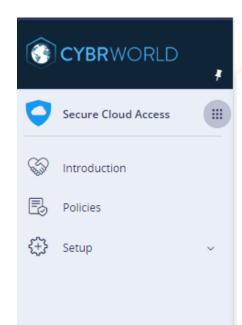


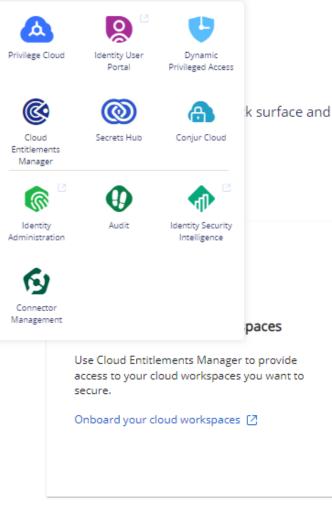
## Privileged access protection in details





# CyberArk Identity Security Platform



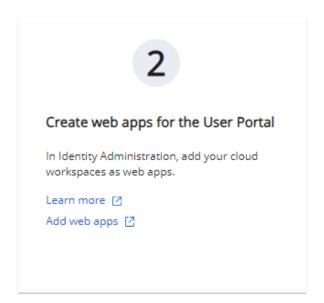


Welcome to CyberArk

## **Secure Cloud Access**

k surface and enjoy secure access to cloud management and services with zero standing permissions

To learn more about onboarding, see the docs [4]



Define access policies

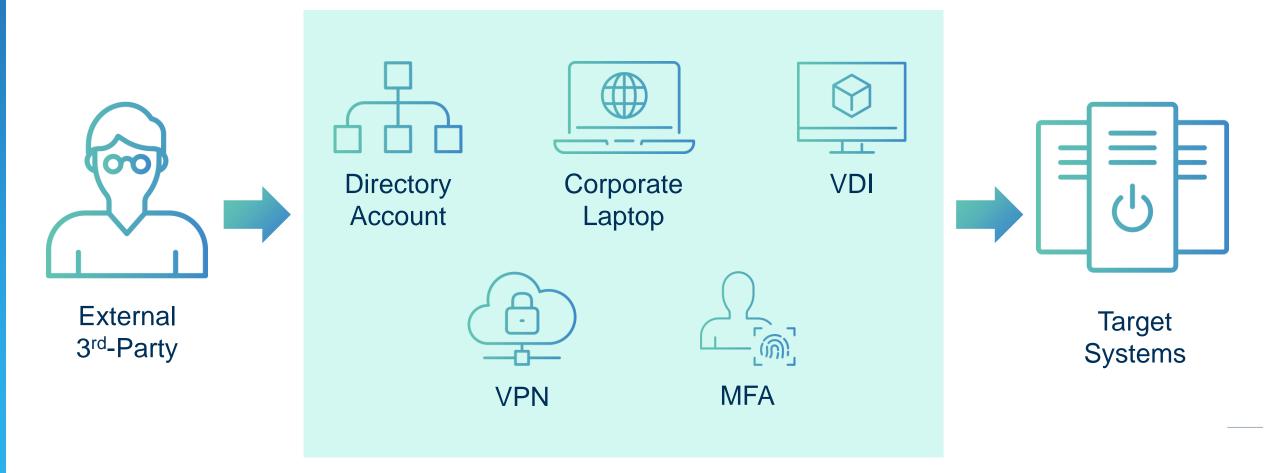
After your cloud workspaces are onboarded, you can enable members of your organization to have just-in-time access to their cloud consoles

Define an access policy >

Bartosz Krynski

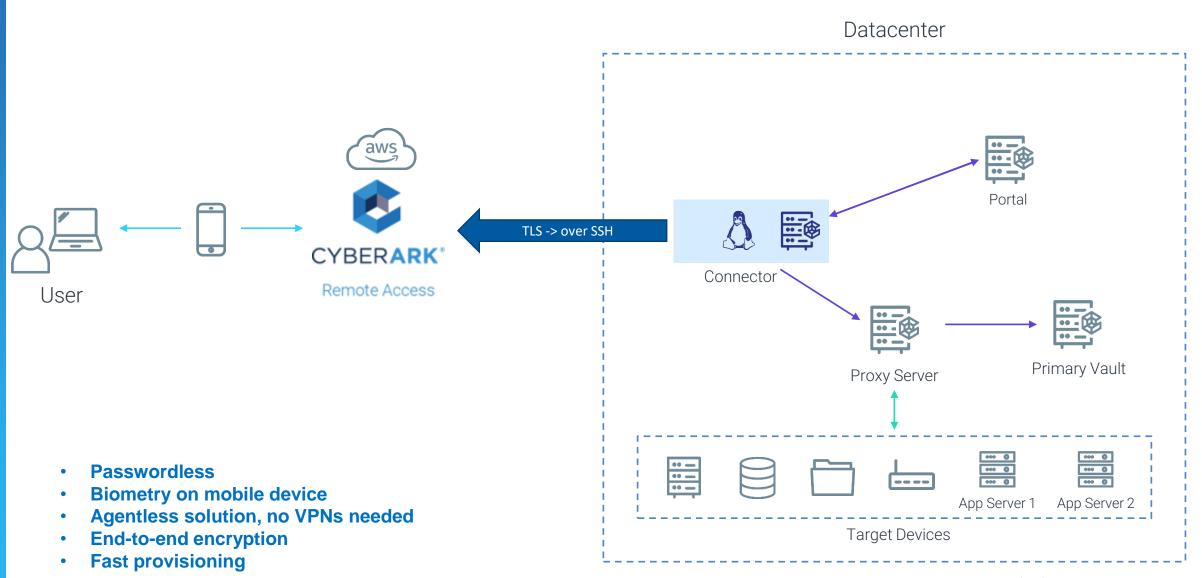
## Common IDENTITY Issues with external vendors

**Conventional Approaches** 





## CyberArk Vendor PAM Architecture



## It's demo time!

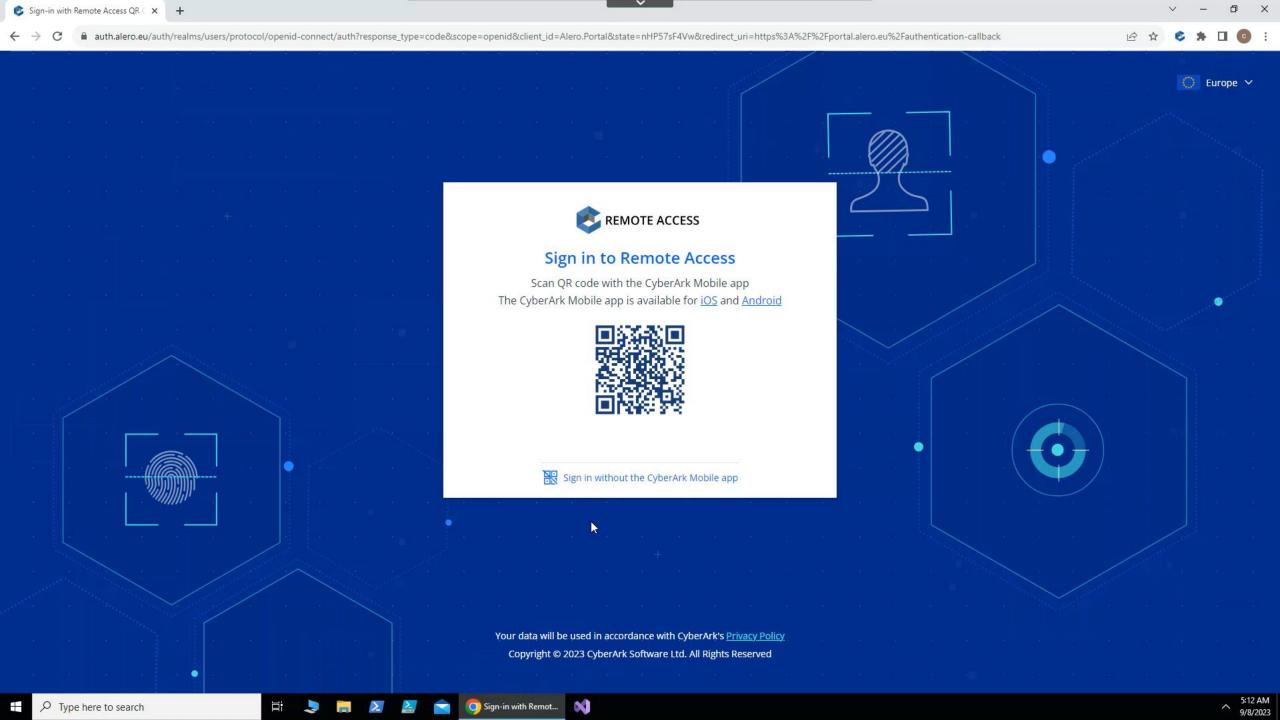


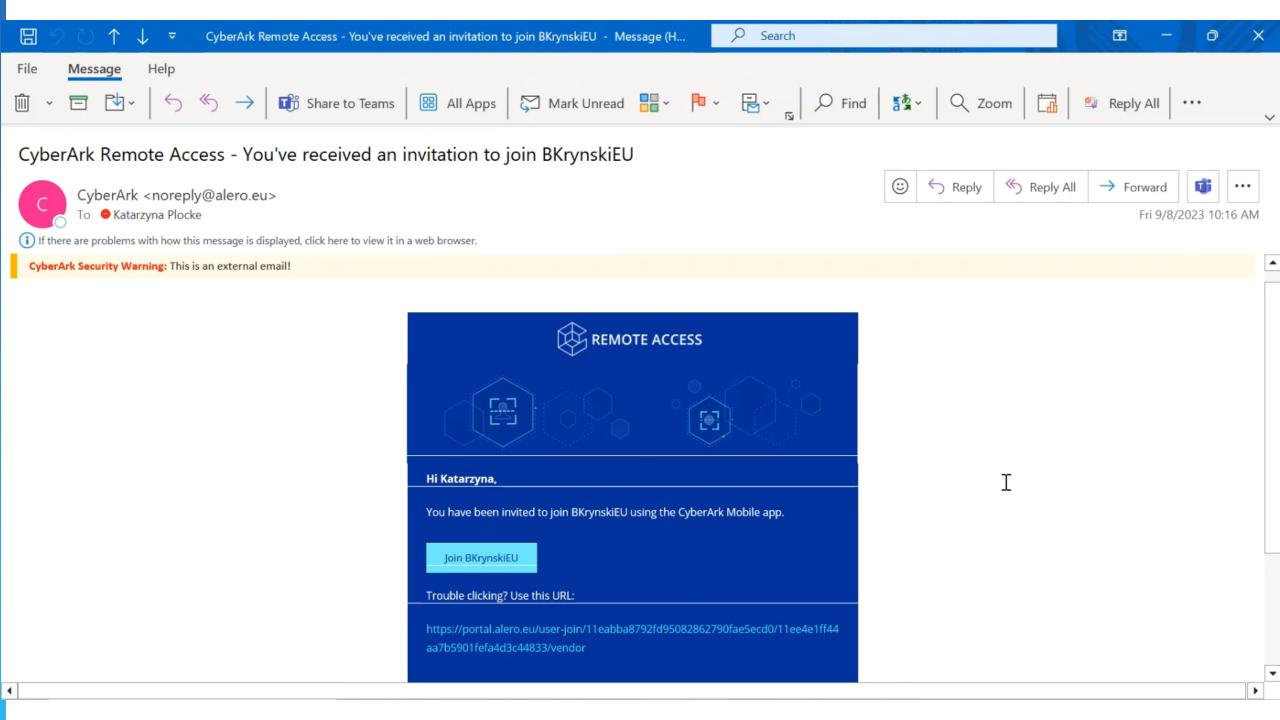
Katarzyna Business

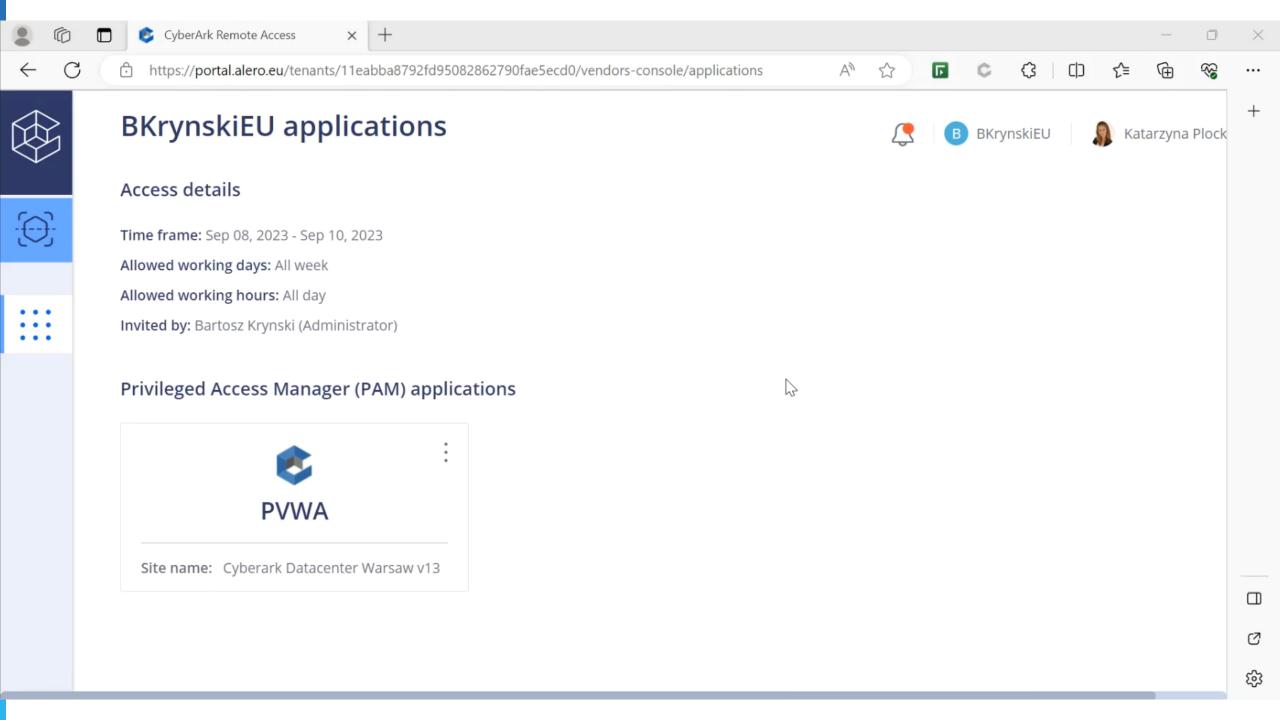


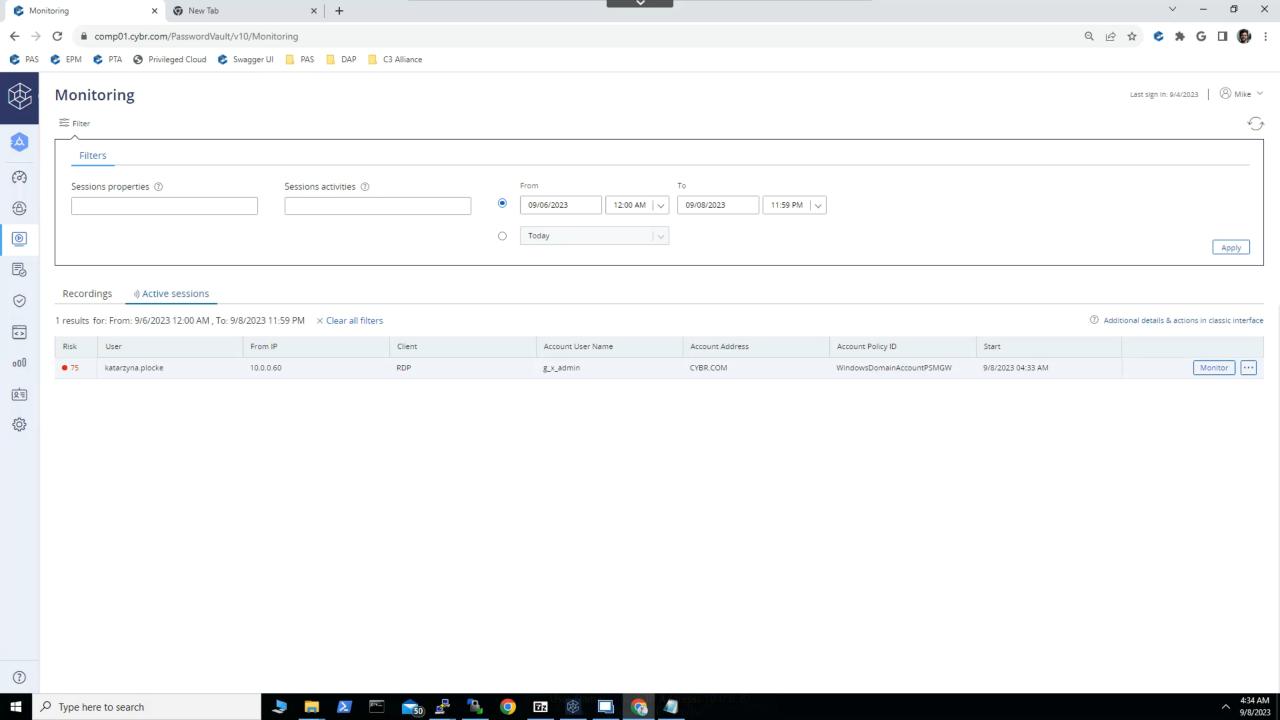
Bartek Security Admin



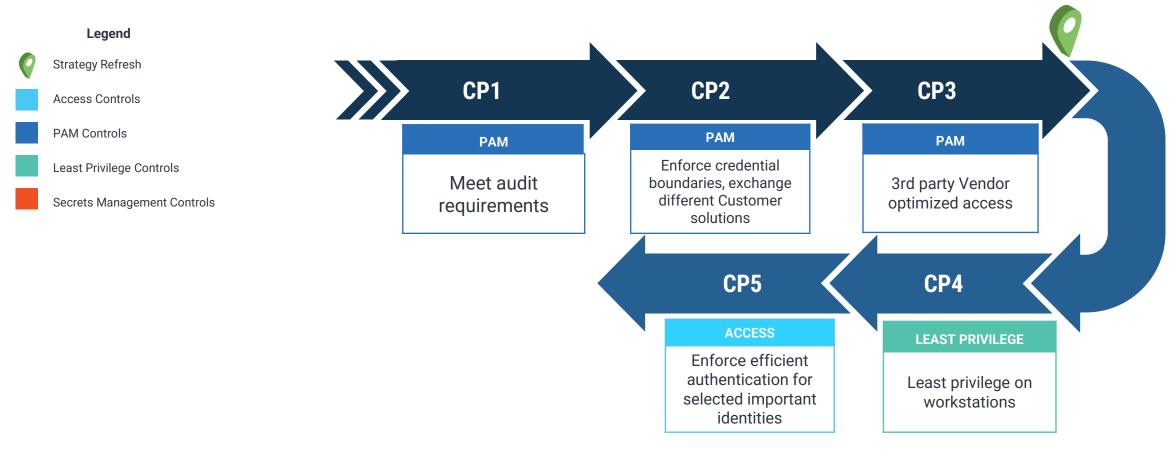














## **Threat Mitigation Techniques**



Leading authorities consistently rank these critical controls as priorities:

#### **Control Admin Rights**

Controlling or removing admin rights to prevent attackers from escalating privileges and moving laterally

#### **Application Allowlist**

Controlling applications allowed to execute

#### **Application Patching**

Patching applications against known vulnerabilities

#### **OS Patching**

Patching operating systems against known vulnerabilities







**USGCB** 







**SOX**Sarbanes-Oxley Compliance

...Detection technologies are much further down the list



## ENFORCE LEAST PRIVILEGE AT THE ENDPOINT



## Least Privilege

Remove local admin rights on Windows workstations, servers, and Macs.



### **Application control**

Software inventory, application groups and policy-based start-up and privilege control



### JIT elevation

Policy-based audited JIT sessions with MFA step-up

## PROTECT FROM RANSOWMARE AND DEFEND CREDENTIALS



### Credential defense

Active protection for Windows and browser credentials and credential stores



### Ransomware protection

Multi-layered protection at every stage of attack



## Privilege Deception

Deception components in the attack path.



# CyberArk Workforce Identity Portfolio

Core Capabilities

Add-On Capabilities

Single Sign-On



Adaptive Multi-Factor
Authentication



Secure Web Sessions



**Application Gateway** 



Lifecycle Management



**Directory Services** 



Identity Flows



**Identity Compliance** 



Workforce Password Management



User Behavior Analytics



5,,1,7

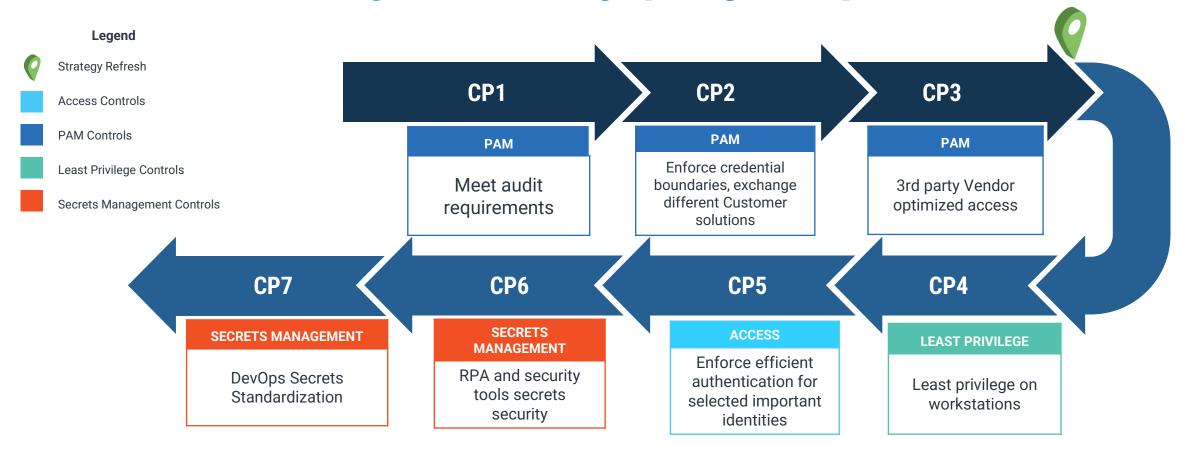








## bako **tech**®











## CyberArk Secrets Management Solutions

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

**Secure Cloud Native Apps and CI/CD Pipelines** 



**Conjur Enterprise & OSS** 

**Conjur Cloud Secrets Hub** 

**DevOps** 

tools

**Secure COTS & Bots** 



Secure n-tier / Static **Homegrown Apps** 



**Devices / IOT** 





IoT/OT mgmt.

platforms

Phosphorus \*\*

Credential Providers (CP/CCP/ASCP)

**Over 200** out-of-thebox integrations

community supported

Container platforms







**Public cloud** 





















**RPA** & automation











Security solutions

💋 aqua

**Twistlock** 

ForeScout









**ITOPS** 







**Custom apps** 









App servers







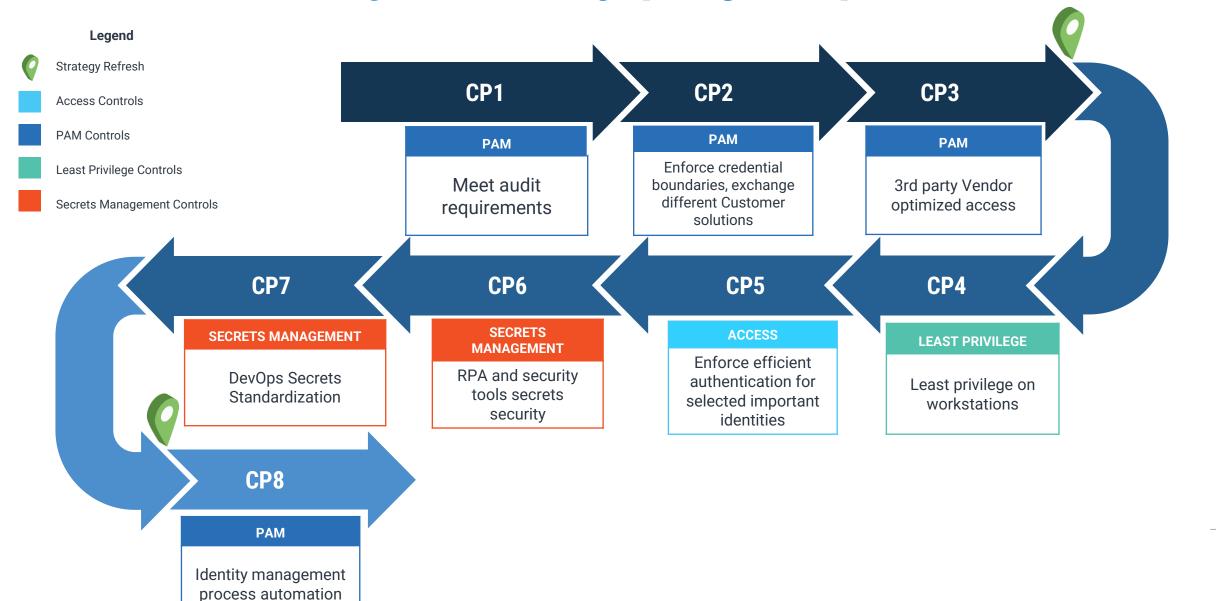


WEBLOGIC SERVER



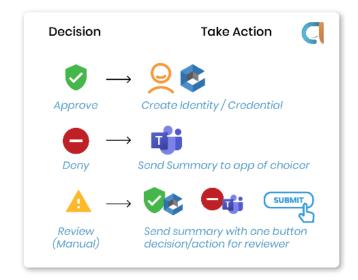


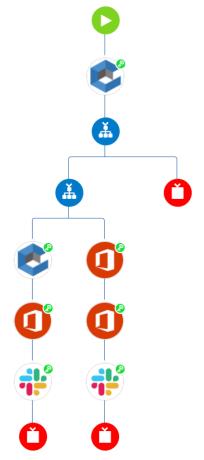
## bako **tech**®





## 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

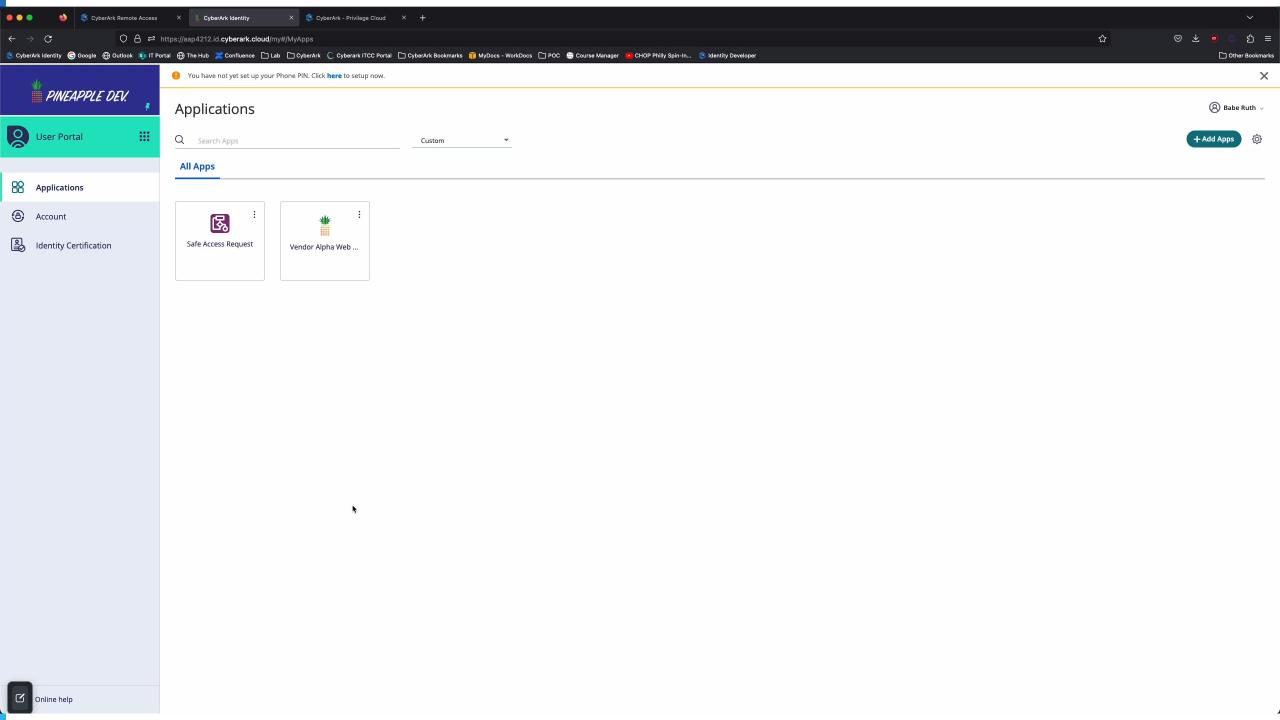
Use structured or unstructured data in ANY app(s) with 3000+ connectors and built-in logic



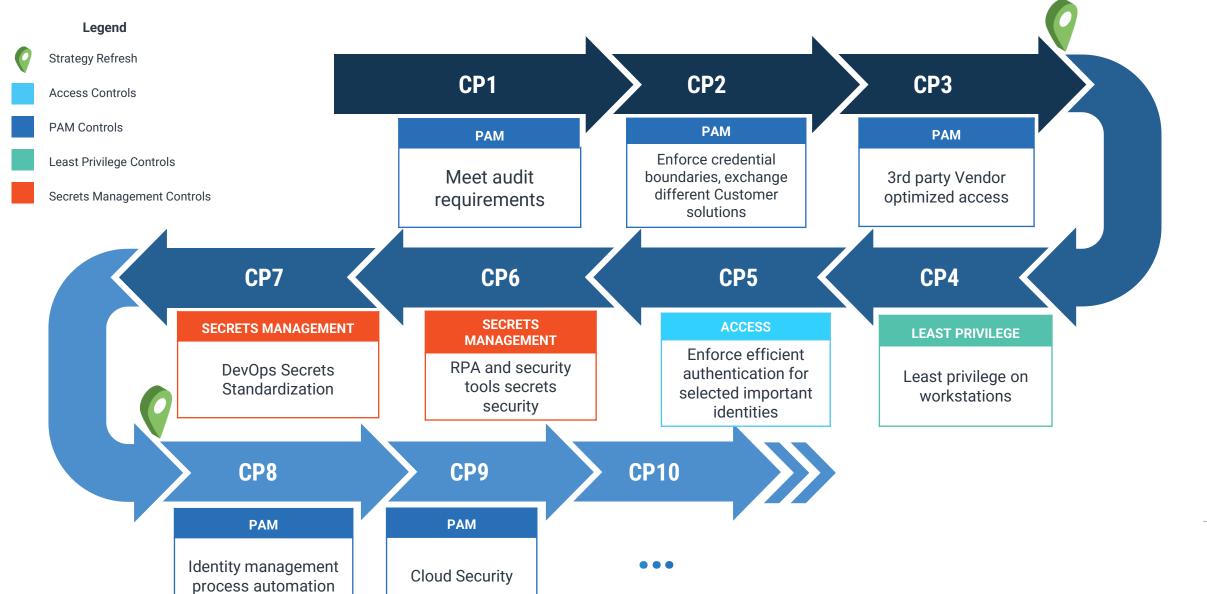
#### **NO-CODE INTEGRATION**

Integrate and automate any combination of apps with any identity





## bako **tech**®



## Different Environments Require Different Methods

Secure access for *human identities* at every layer of your cloud estate.

### **Use Case**

## **Methods**

### **Environments**

Secure access to Third party SaaS apps.

Session protection + monitoring









Secure access to lift-andshift workloads running inside the VMs.

Secure access to workloads ON cloud Infrastructure (laaS).

Secure access to CSP services IN the cloud.

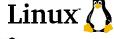
Vaulted. Isolated access for standing accounts & system access

Dynamic, Just-In-Time access

Native, Zero Standing Privilege access













ORACLE!

































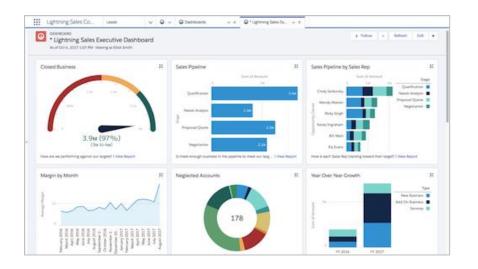


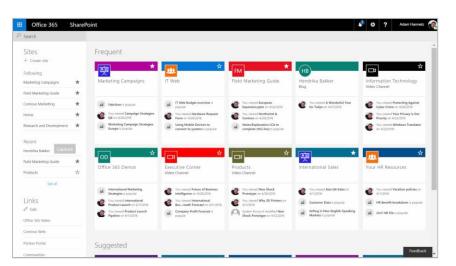


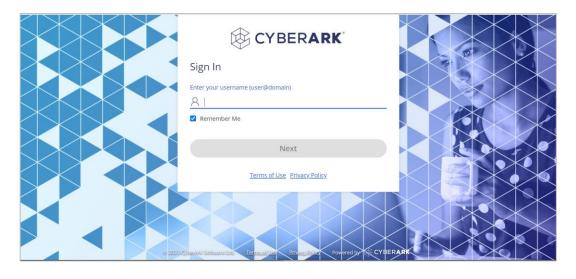


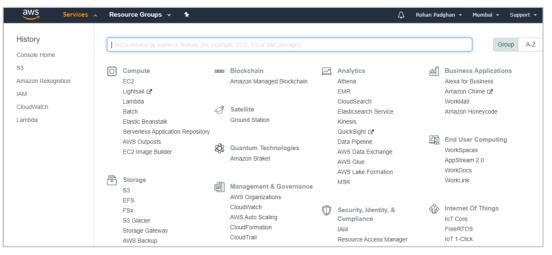


## What's In Common?







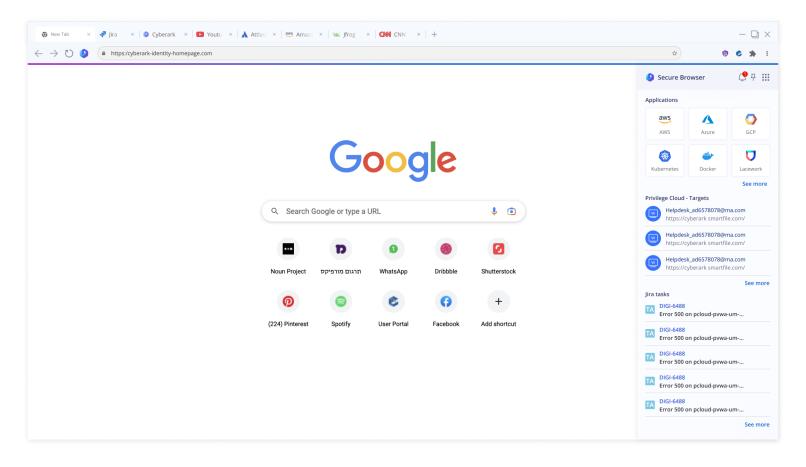


It's a new attack vector, 50% increase in attacks targeting Chrome browser



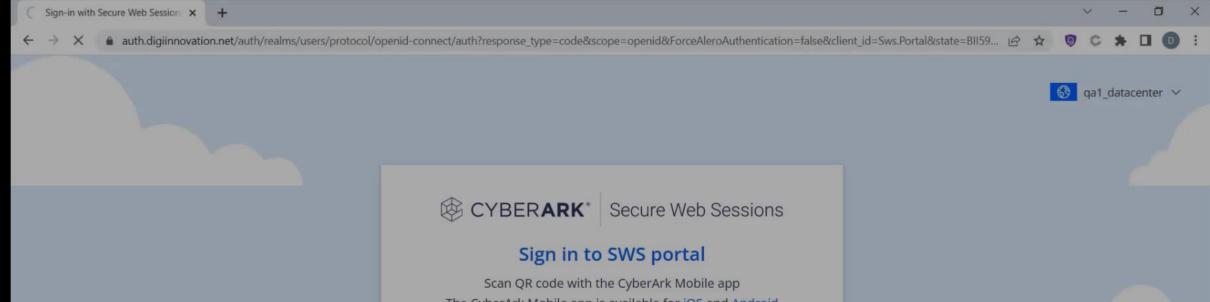
## Introducing CyberArk Secure Browser





Extend Identity Security controls to web browsing on managed and unmanaged devices







The CyberArk Mobile app is available for iOS and Android

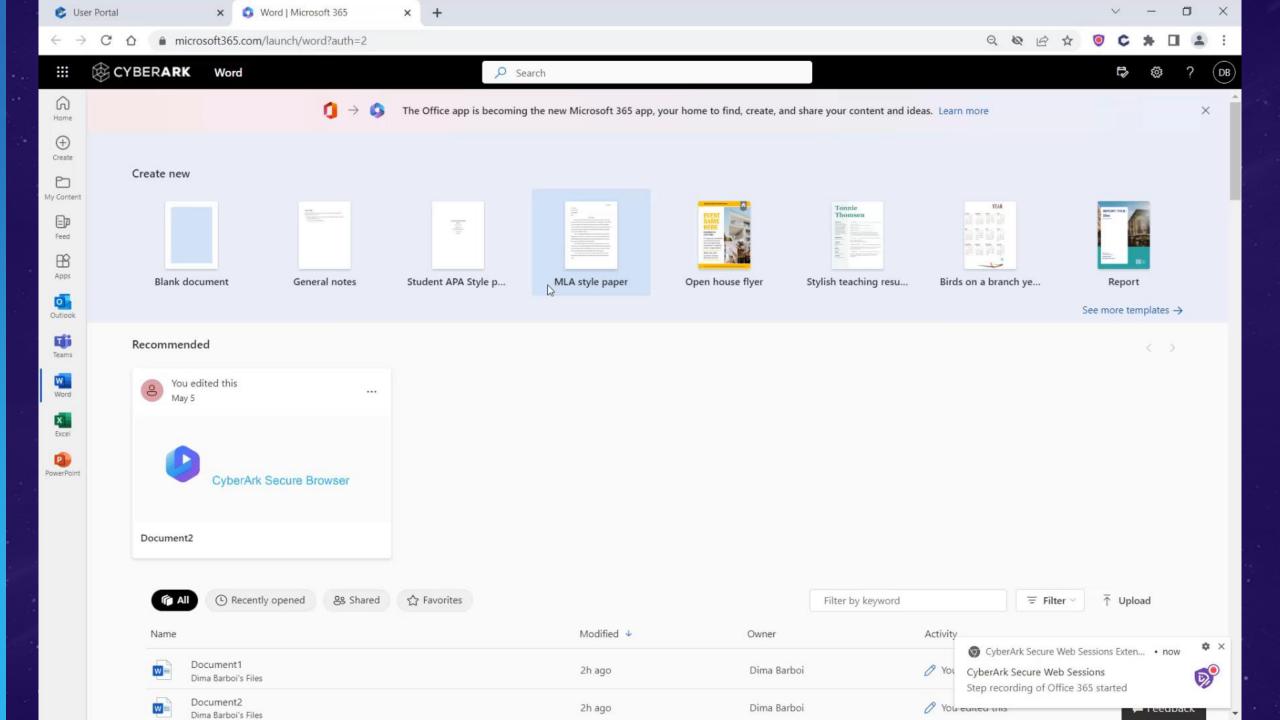


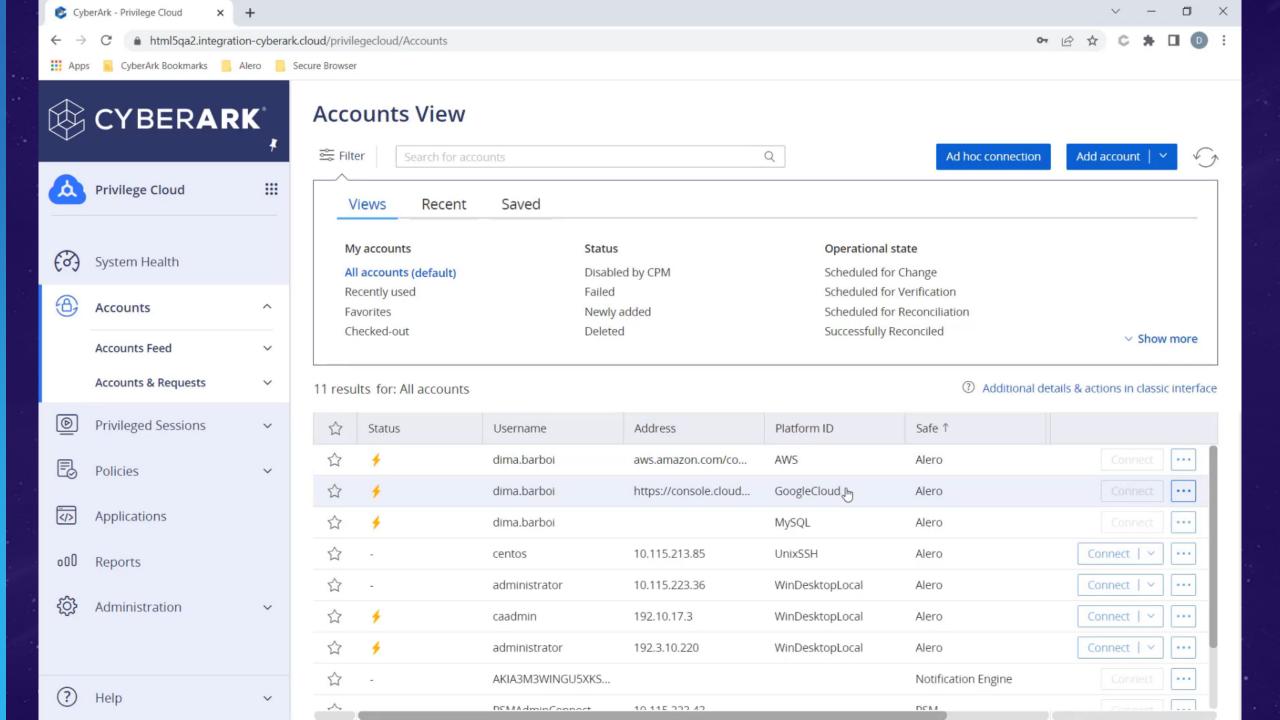
Your data will be used in accordance with CyberArk's Privacy Policy Copyright © 2023 CyberArk Software Ltd. All Rights Reserved



# **Cookieless Browsing**











# Contact us if you have any questions!



Katarzyna.Plocke@cyberark.com



Armands.Alvaters@bakotech.com



Bartosz.Krynski@cyberark.com



