



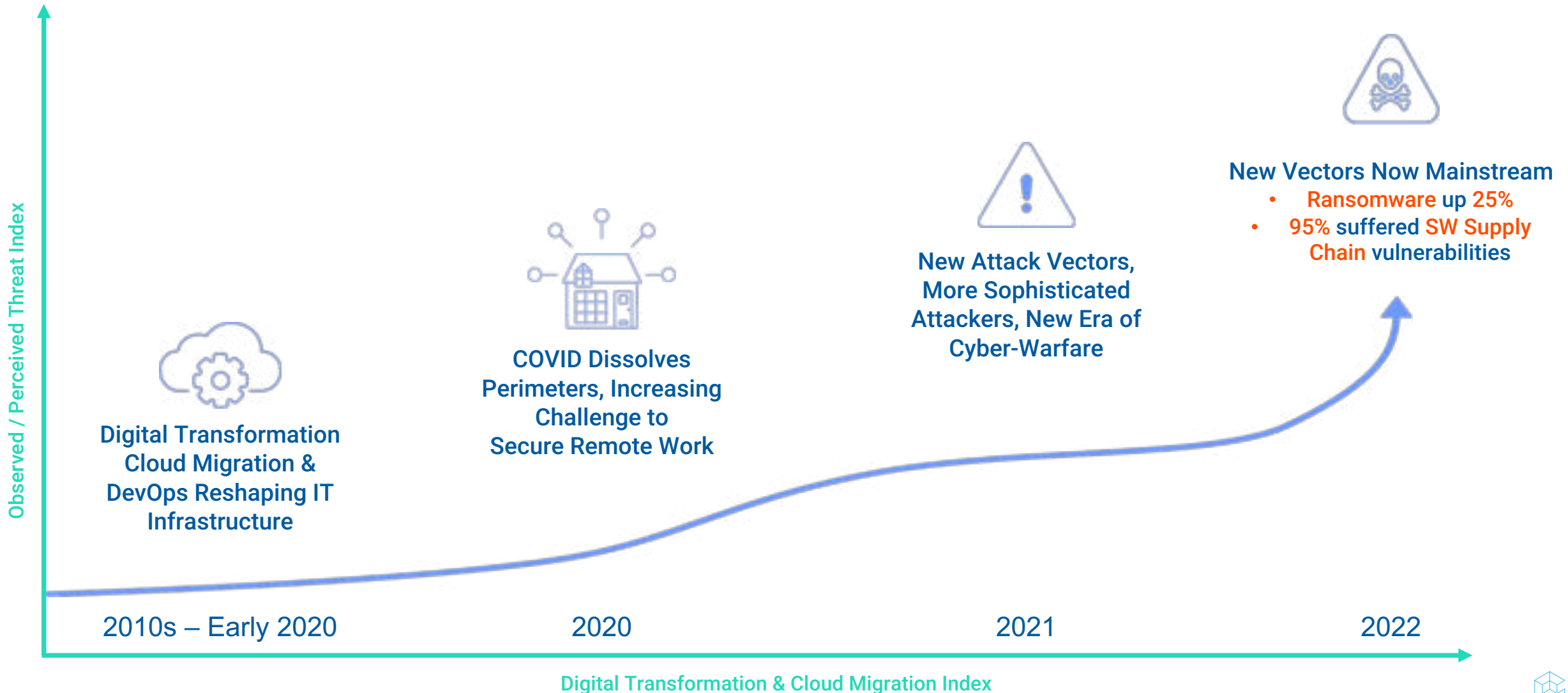
# Privileged Access Manager - Overview -

19<sup>th</sup> April 2023

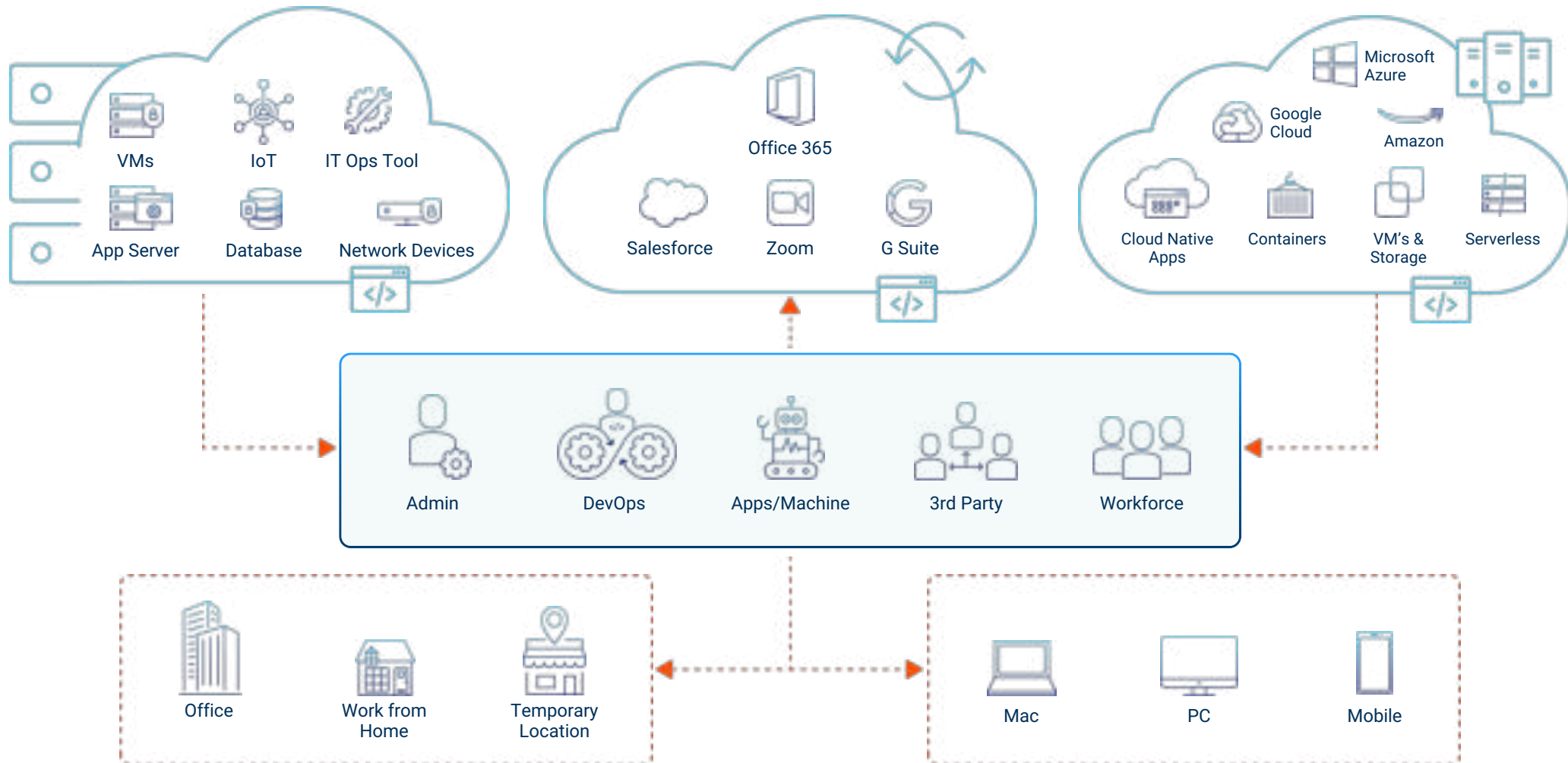
TECH MORNINGS / DGS Event

[cyberark.is/identity-security](https://cyberark.is/identity-security)

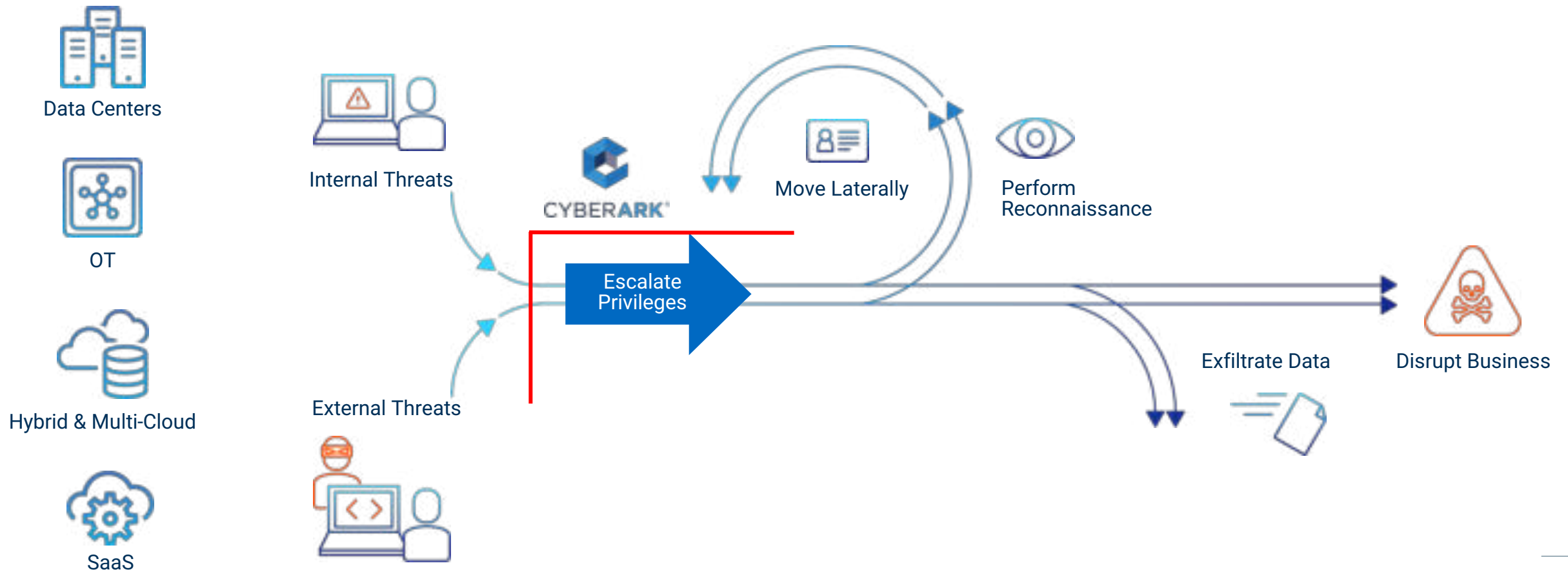
# Cybersecurity Global Trends Keep Evolving



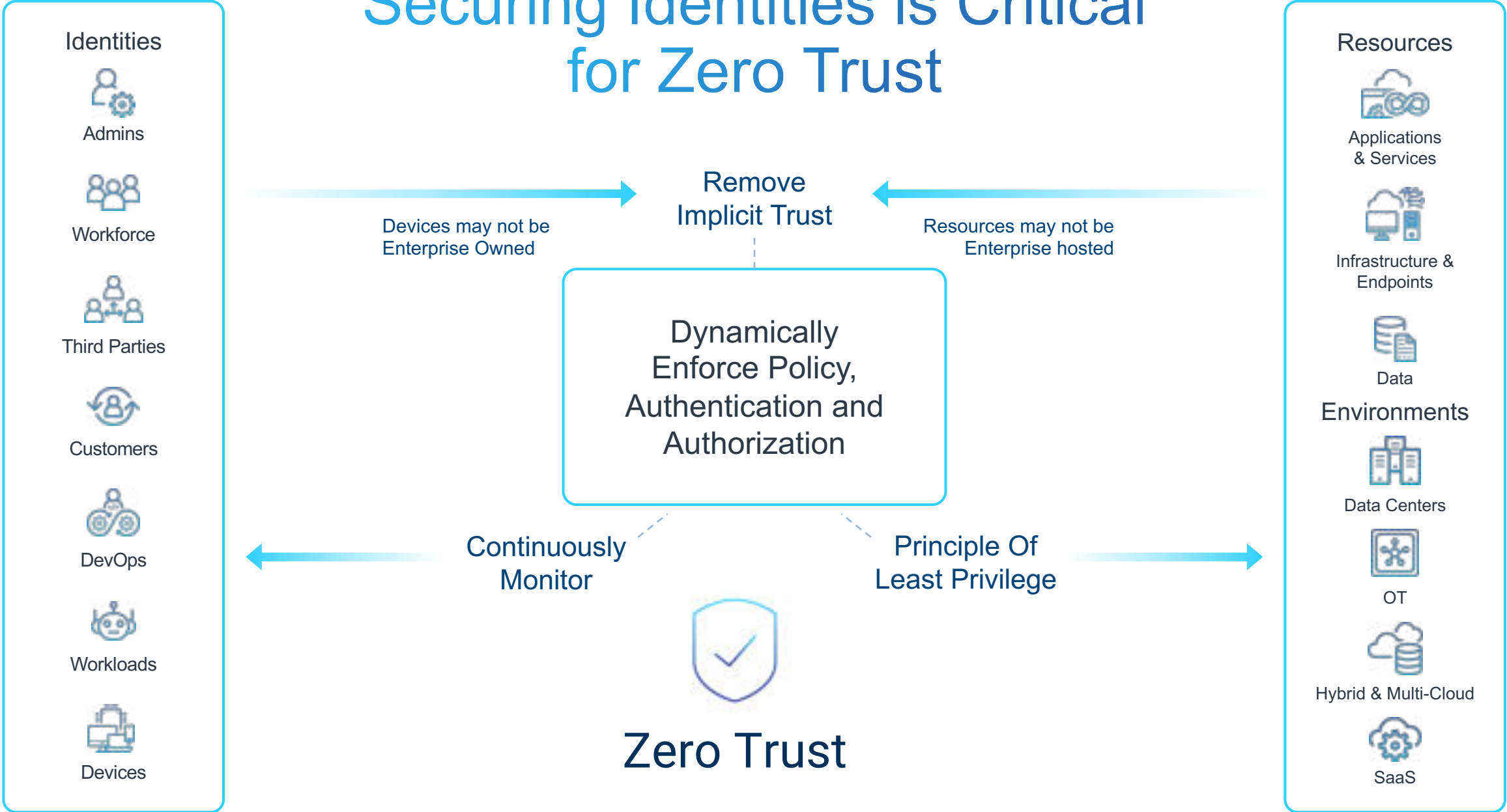
# Privilege is everywhere. All identities can become privileged under certain conditions.



# Your Environment Evolves, Attack Paths Don't



# Securing Identities is Critical for Zero Trust



# CyberArk Defines Identity Security as

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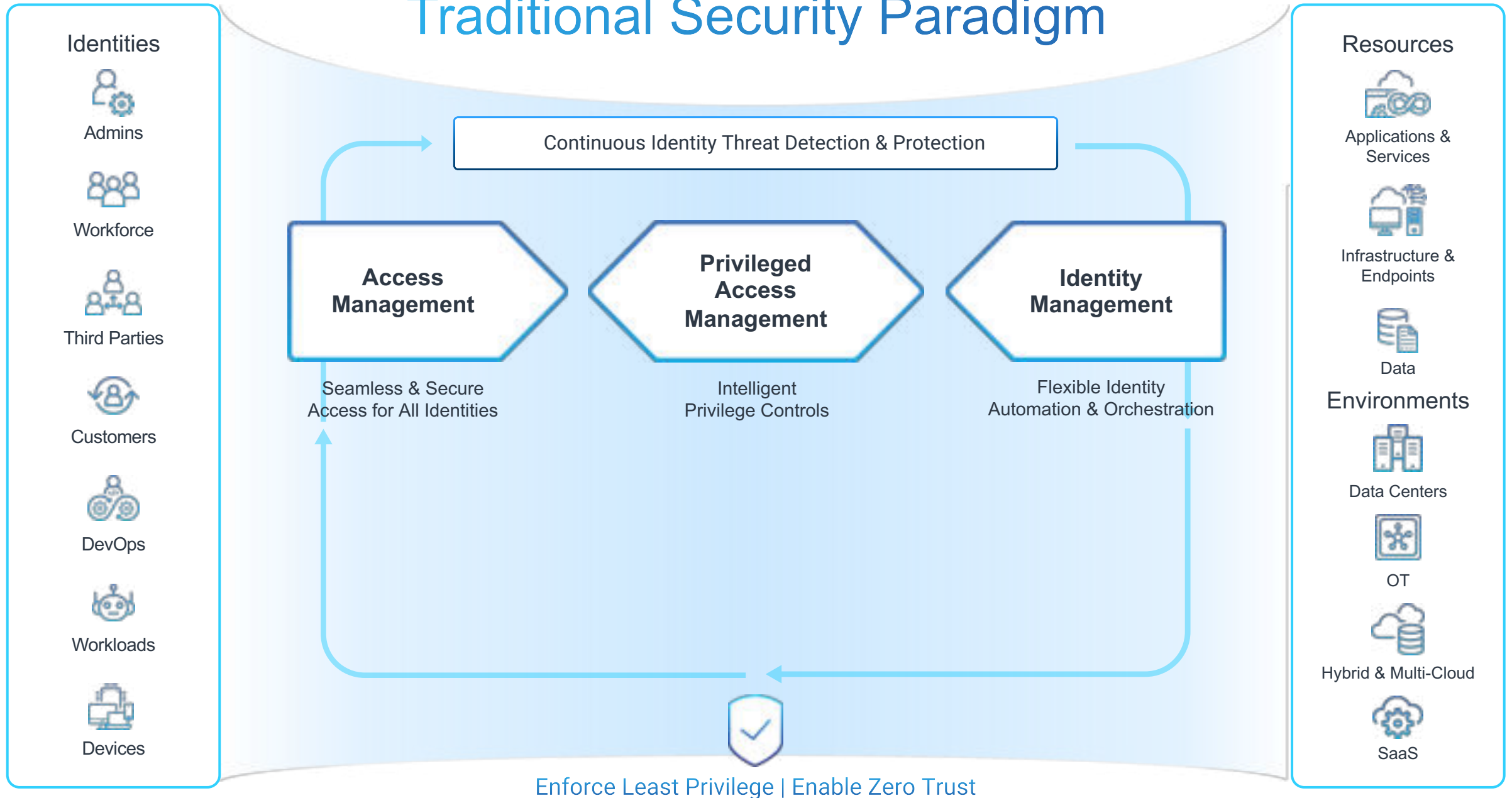
**Centered on intelligent privilege controls,**

## **Identity Security**

**seamlessly secures human and machine identities  
accessing workloads from hybrid to multi-cloud, and  
flexibly automates the identity lifecycle -  
all with a unified approach.**

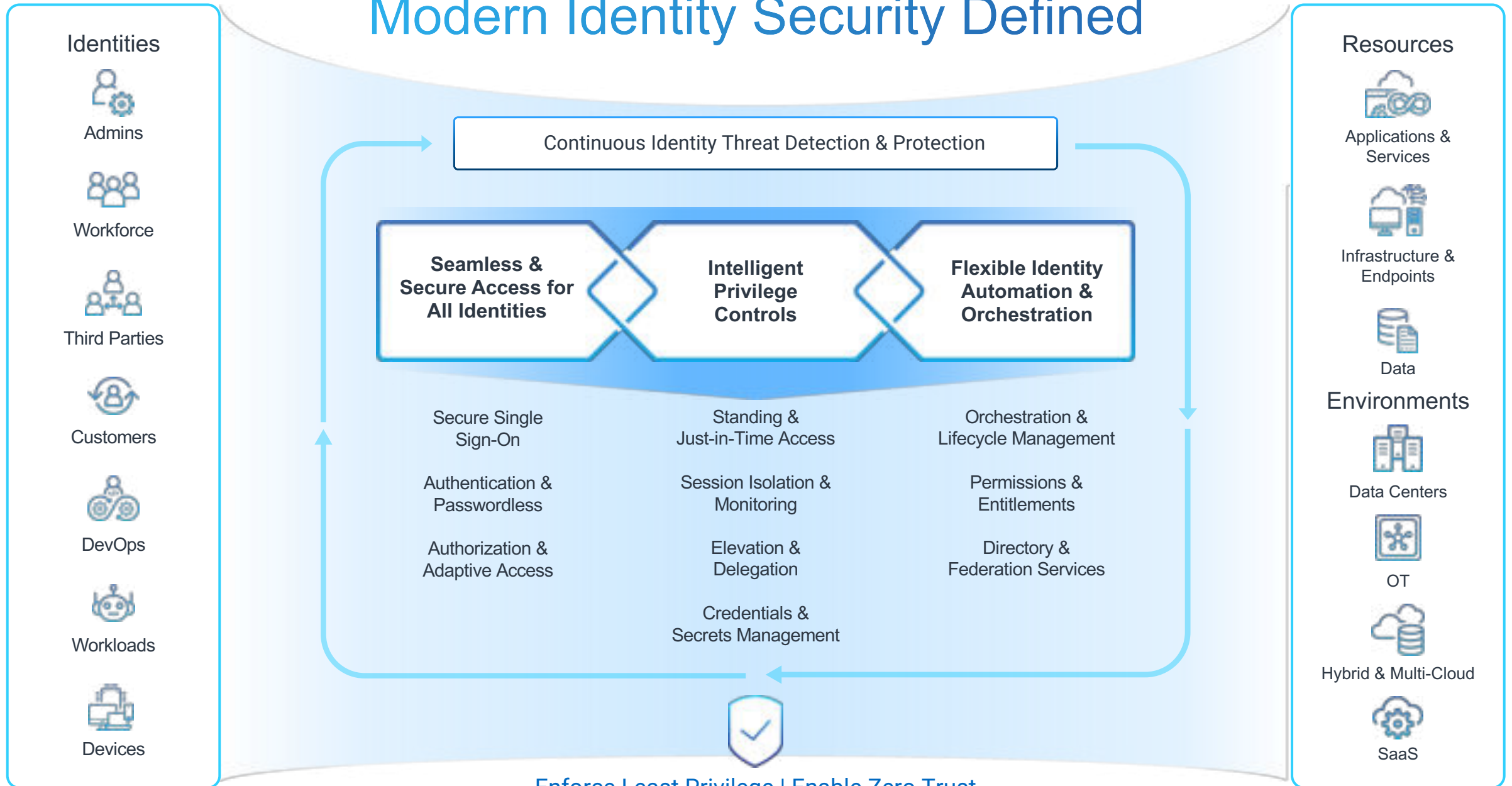


# Traditional Security Paradigm





# Modern Identity Security Defined







# Identity Security Platform

## Identities



Admins



Workforce



Third Parties



Customers



DevOps



Workloads



Devices

## Resources



Applications & Services



Infrastructure & Endpoints



Data

## Environments



Data Centers



OT



Hybrid & Multi-Cloud



SaaS

Seamless & Secure  
Access for  
All Identities

Intelligent  
Privilege  
Controls

Flexible Identity  
Automation &  
Orchestration

Workforce &  
Customer  
Access

Endpoint  
Privilege  
Security

Privileged  
Access  
Management

Secrets  
Management

Cloud  
Privilege  
Security

Identity  
Management

## Identity Security Intelligence



Shared  
Services

Single Admin Portal | Workflows | Unified Audit |  
Authentication & Authorization

SaaS | Hybrid | Self-Hosted



# Identity Security Platform

## Identities



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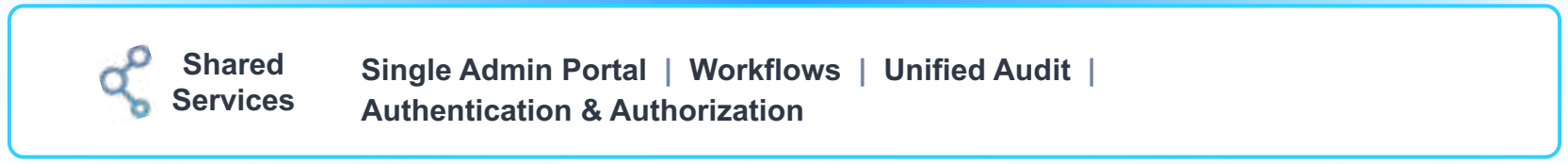
Workloads



Devices



## Identity Security Intelligence



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SaaS

## 200+ Certified Partners



## 300+ Certified Joint Solutions

- Analytics
- ICS
- Identity & Access Management
- Authentication
- ITSM
- Detection
- Orchestration & Response
- DevOps
- Robotic Process Automation
- Discovery
- SIEM
- Governance
- HSM
- Vulnerability Management

## 200+ Plug-ins

- CPM Plug-ins
- PSM Plug-ins

# Privileged Access Management





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Shared  
Services

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SaaS | Hybrid | Self-Hosted



# Account Type Overview



## SYSTEM ACCOUNTS

Accounts with built-in passwords that must be vaulted and used in break-glass scenarios



INTERACTIVE



## OPERATIONAL ACCOUNTS

Accounts created with the purpose to provide operational, administrative access



INTERACTIVE



## APPLICATION ACCOUNTS

Accounts created for the use within / by automated processes and applications



NON-INTERACTIVE



# Privileged Identities – the PAM Solution

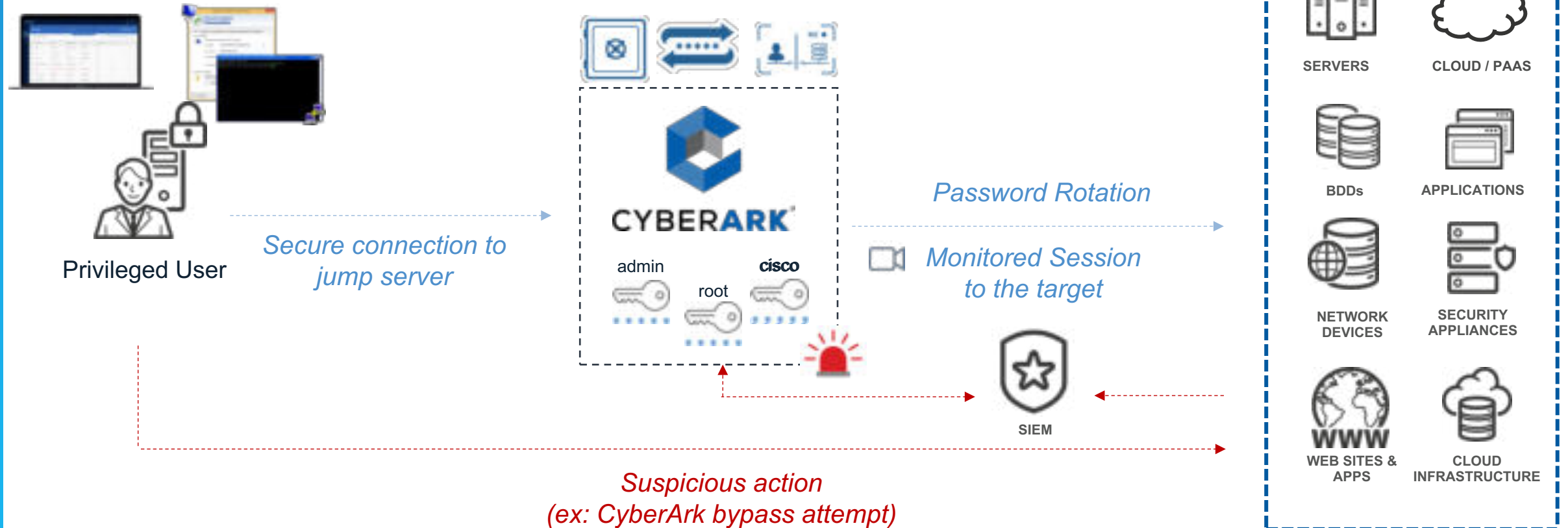
Secure Storage

Flexible Connection Methods

Analytics & Remediation

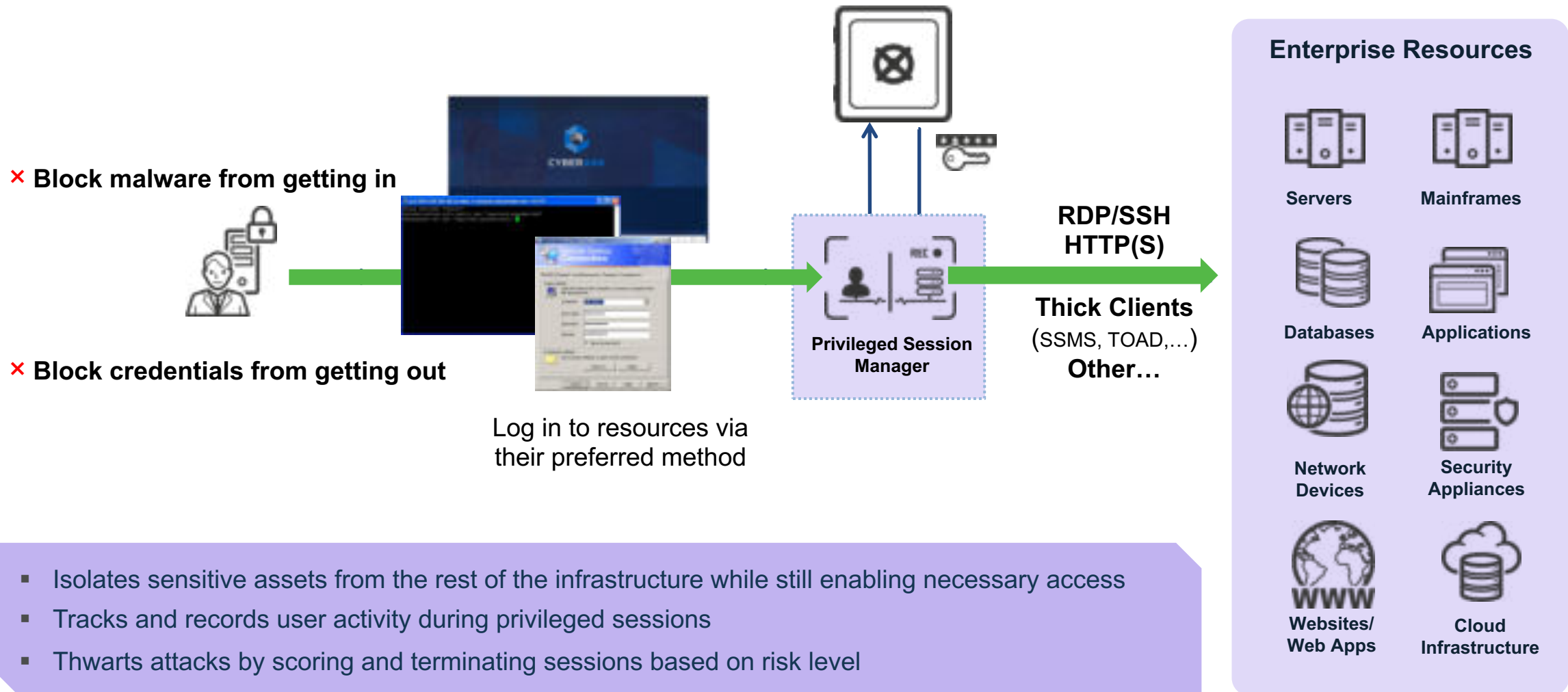
Password Rotation

Session Isolation & Monitoring





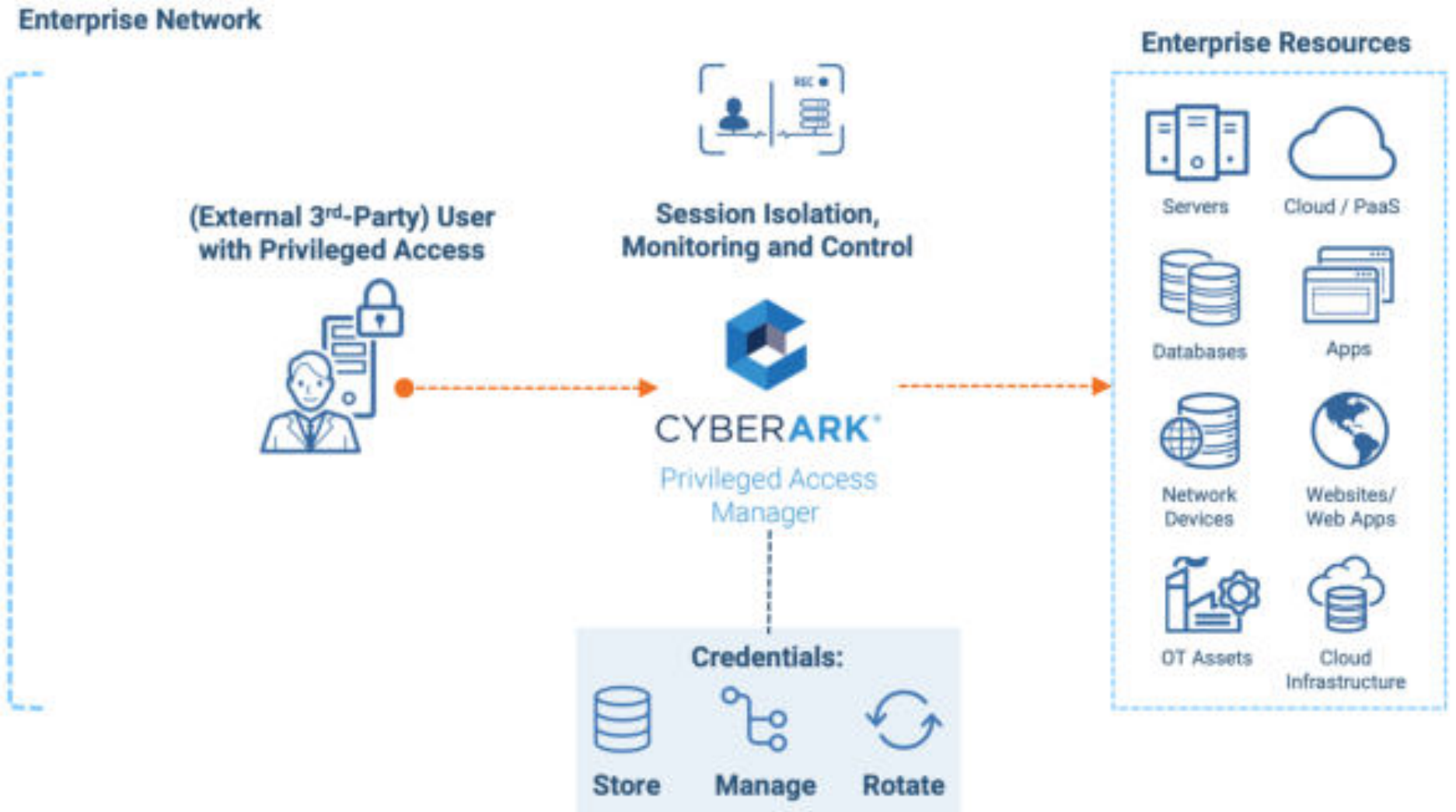
# Session Isolation, Monitoring and Recording



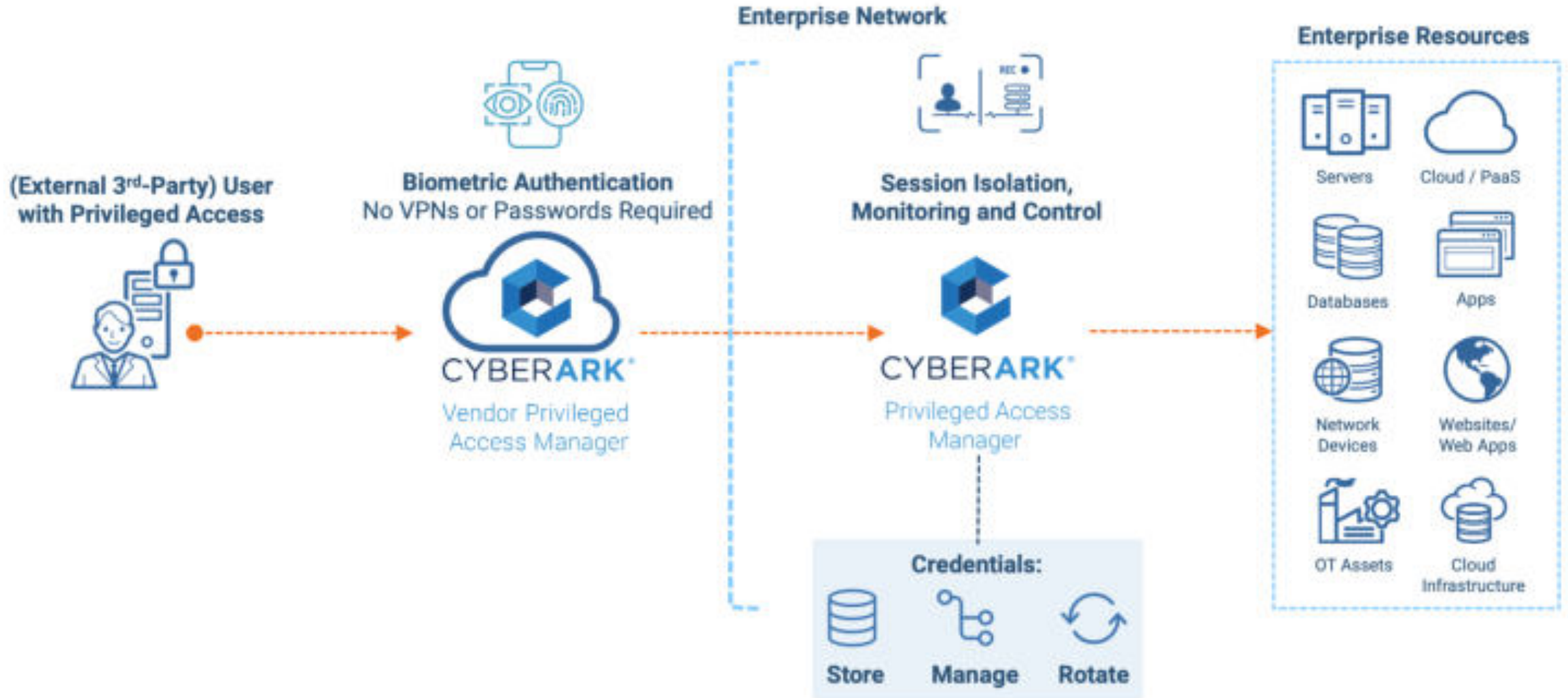
# Remote Access (Vendor PAM)



# Vendor PAM – How it Works



# Vendor PAM – How it Works



# Secrets Management







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# Securing application secrets

## Application Examples

Type	System
Application Servers	
CI/CD Tools Chains	
Container Platforms /PaaS	
SDKs & Dev. Libraries	Go, Java, Ruby, Python .NET, C/C++, CLI, REST
Multiple Platforms	Windows, *nix, zOS, Cloud
RPA	
Security Tools	
Other Third Party Applications	C3 alliance partners solution with built in AAM integration



**AFTER:**

```
UserName = GetUserName()
Password = GetPassword()
Host = GetHost()
ConnectDatabase(Host, UserName, Password)
```

**BEFORE:**

```
UserName = "app"
Password = "y7qeF$1"
Host = "10.10.3.56"
ConnectDatabase(Host, UserName, Password)
```

## Enterprise Resources



Servers



Cloud /PaaS



Databases



Applications



Network Devices



Security Appliances



WWW Websites/ Web Apps

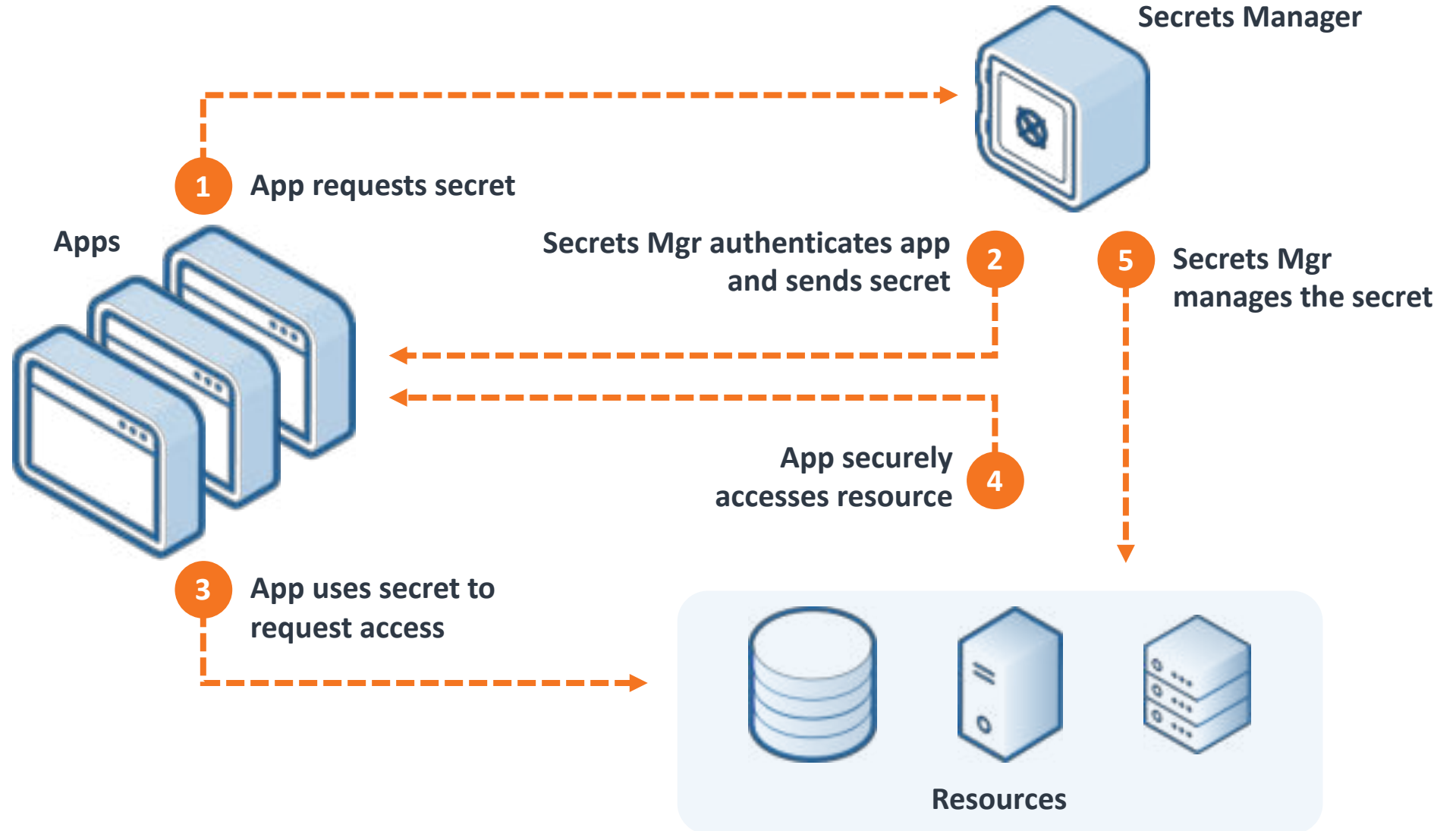


Cloud Infrastructure



# What does “Securing an app” mean?

- COTS
- Containerized
- Serverless
- Microservice
- OS-Based
- Mainframe
- Scripts



# Thank You

