PRIVILEGED ACCOUNTS UNDERESTIMATED SECURITY RISK

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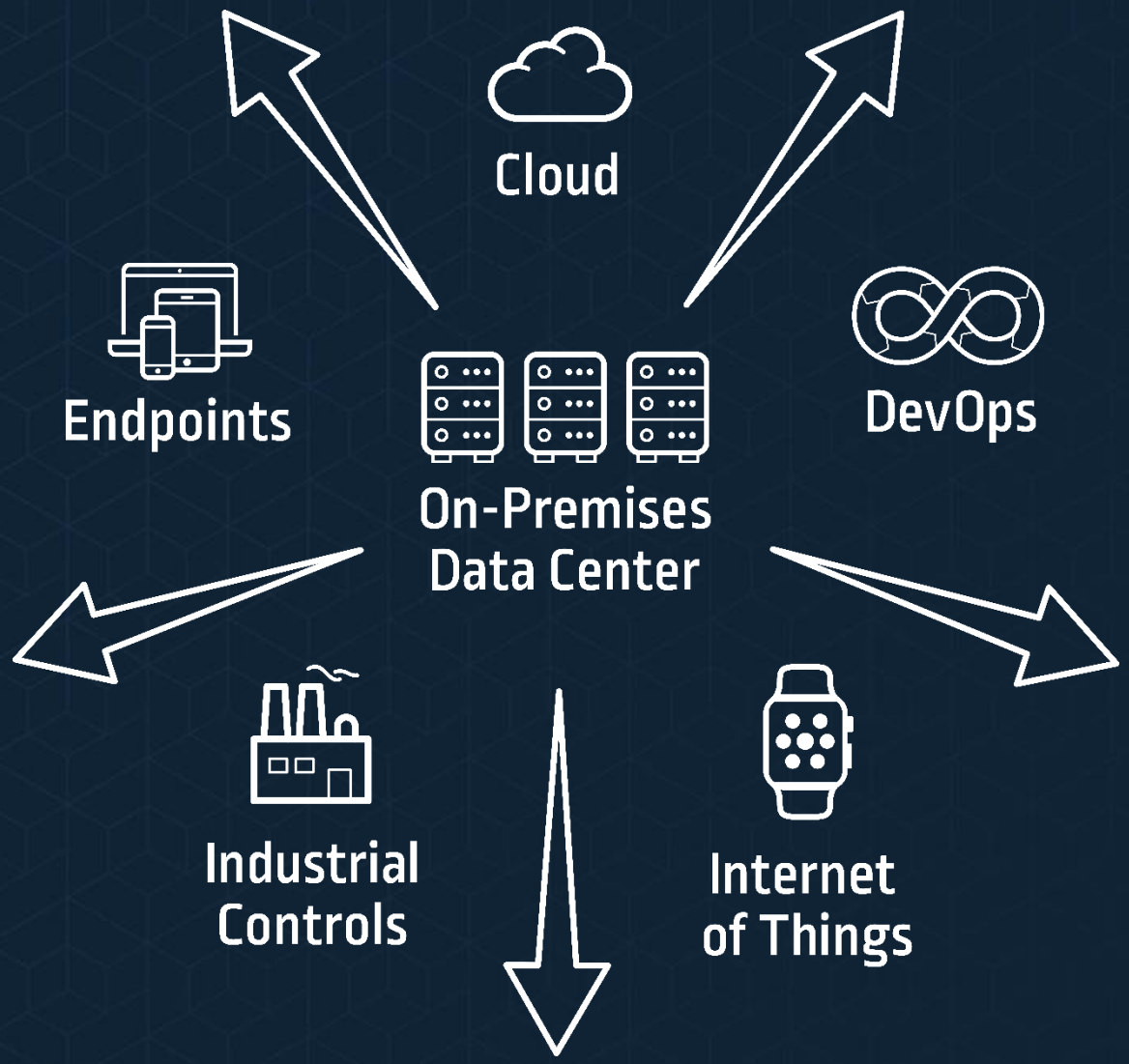
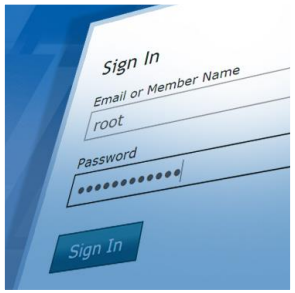
THE ATTACK SURFACE CONTINUES TO GROW



ATTACK VECTORS (SIMPLIFIED)

PtH – Pass-the-Hash	• The password hash of an account is used instead of an password to log on to different machines as long they have the same account with the password(-hash) • Can be used with local or domain accounts • PtH is often done before an successful Golden Ticket attack	
Golden Ticket	• Attack against the KRBTGT account residing on the DC • KRBTGT is the account which is used by DCs to generate Kerberos tickets • Means the attacker can impersonate to everyone • ”Easy to fix“ but it may break a lot of stuff, without proper preparation	
SSH Keys	• Orphaned and forgotten SSH Keys may enable access to unexpected systems • Nearly impossible to control how they are distributed and copied	
Credential Theft	• Windows Computers are vulnerable to credential theft from memory, SAM, config files, browsers or processes like LSASS	

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PRIVILEGED ACCOUNT SECURITY SOLUTION

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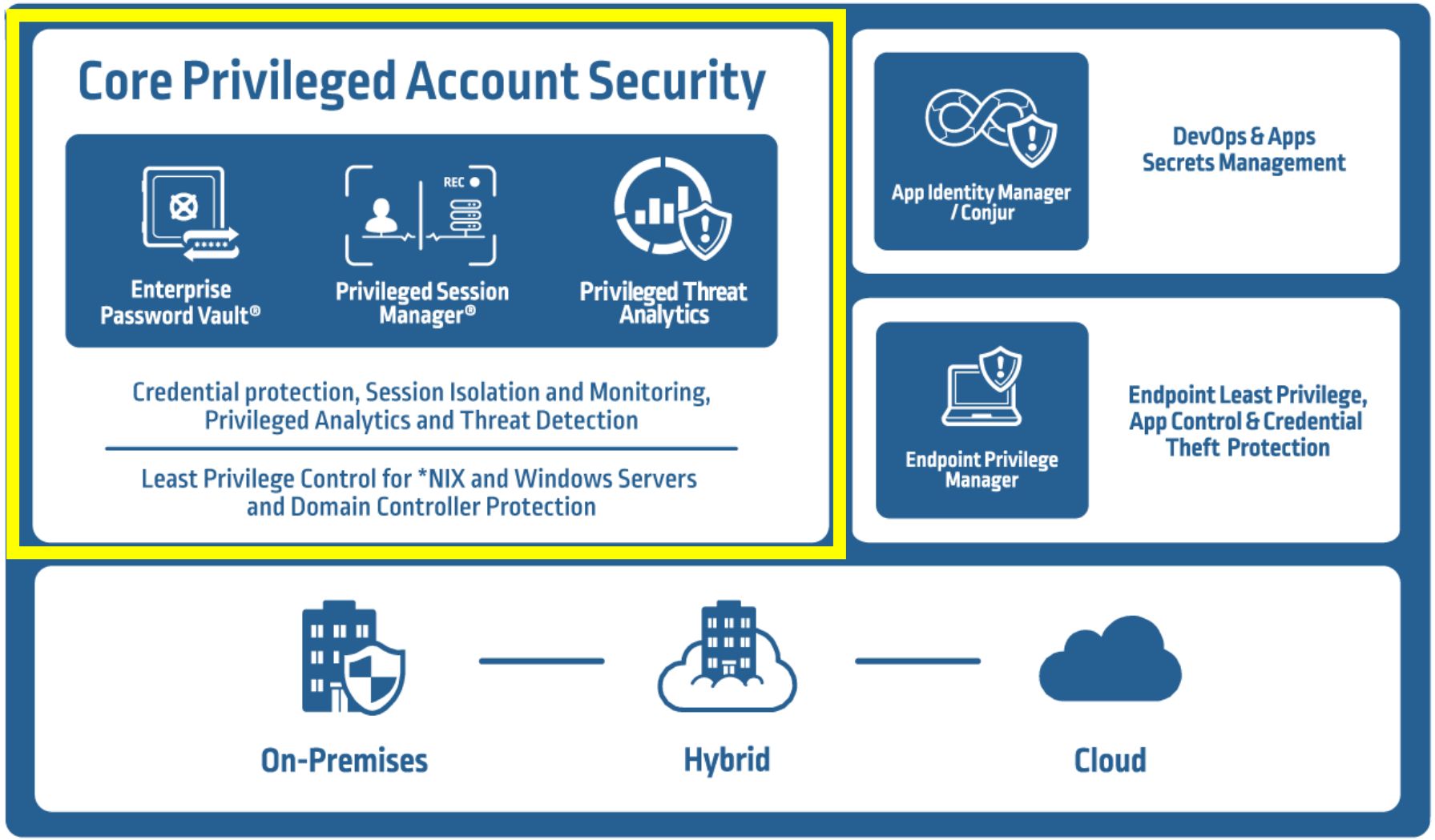
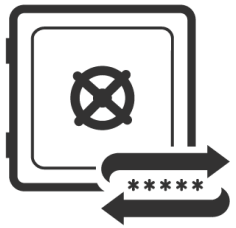


FOUNDATIONAL PRIVILEGED SECURITY SOLUTIONS

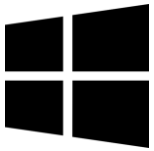


CREDENTIAL PROTECTION & MANAGEMENT

SESSION ISOLATION, MONITORING & RECORDING

THREAT DETECTION & ANALYTICS

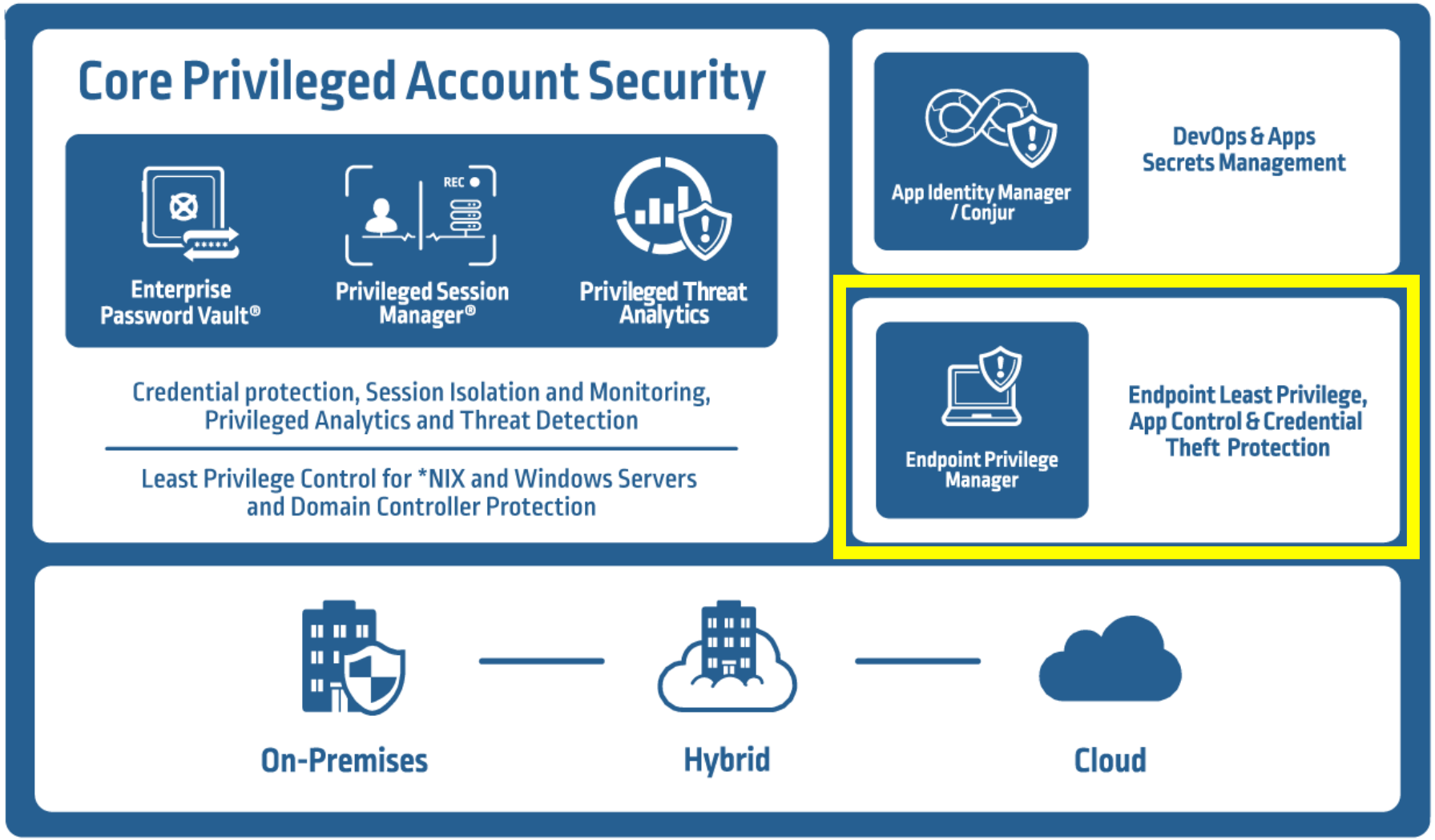
***NIX SERVER PROTECTION**



WINDOWS SERVER PROTECTION

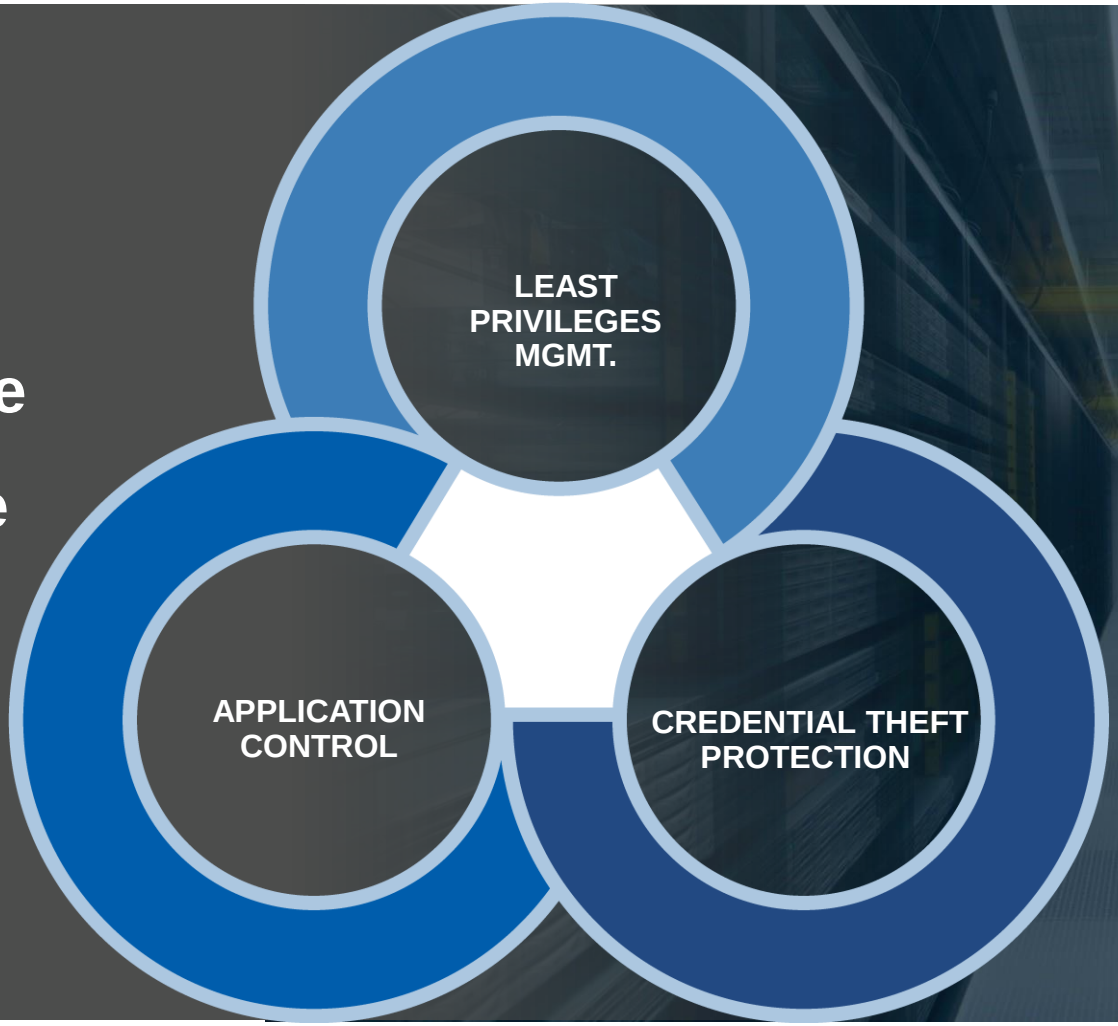
DOMAIN CONTROLLER PROTECTION

CYBERARK PRIVILEGED ACCOUNT SECURITY SOLUTION

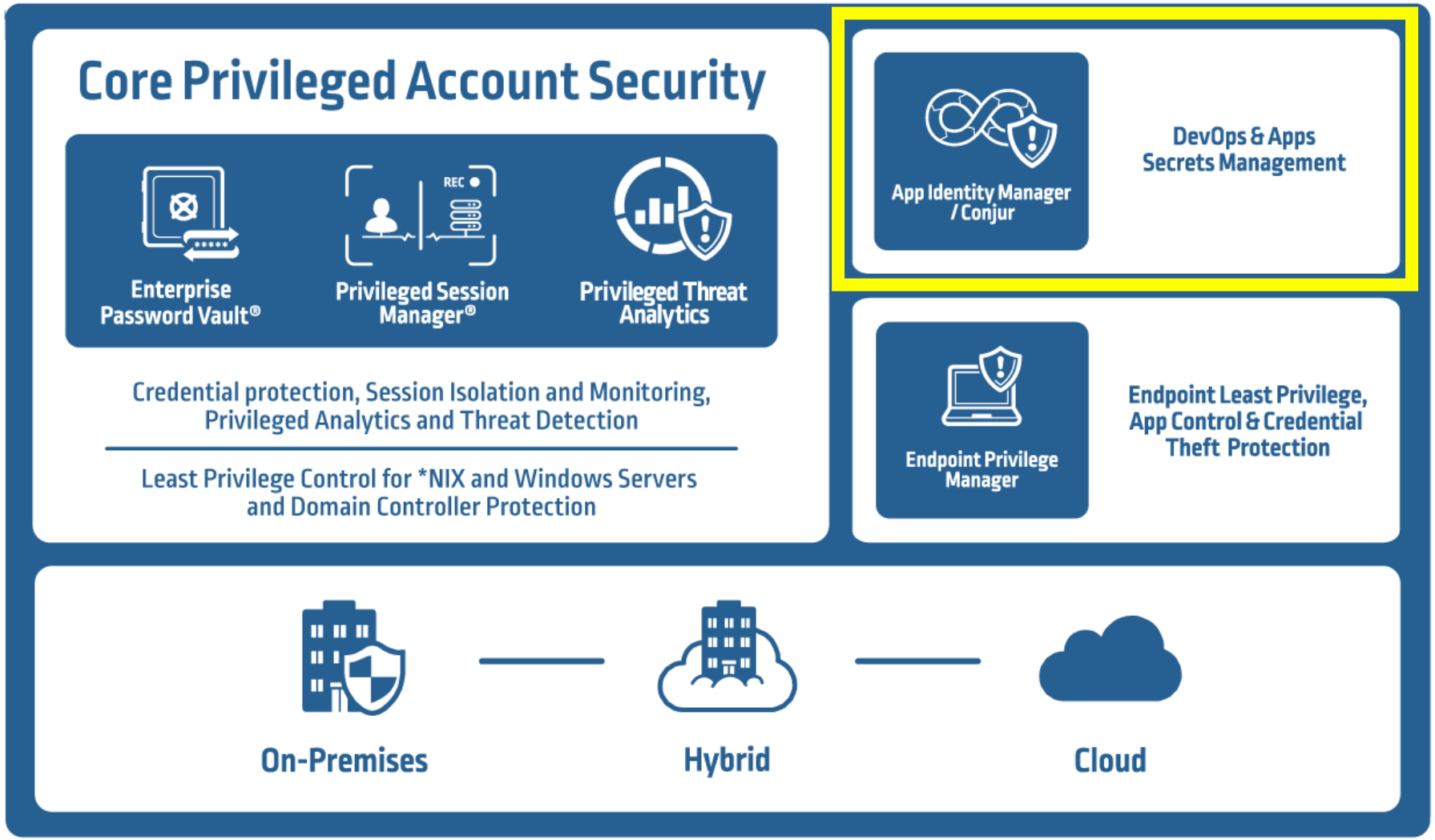


CYBERARK ENDPOINT PRIVILEGE MANAGER

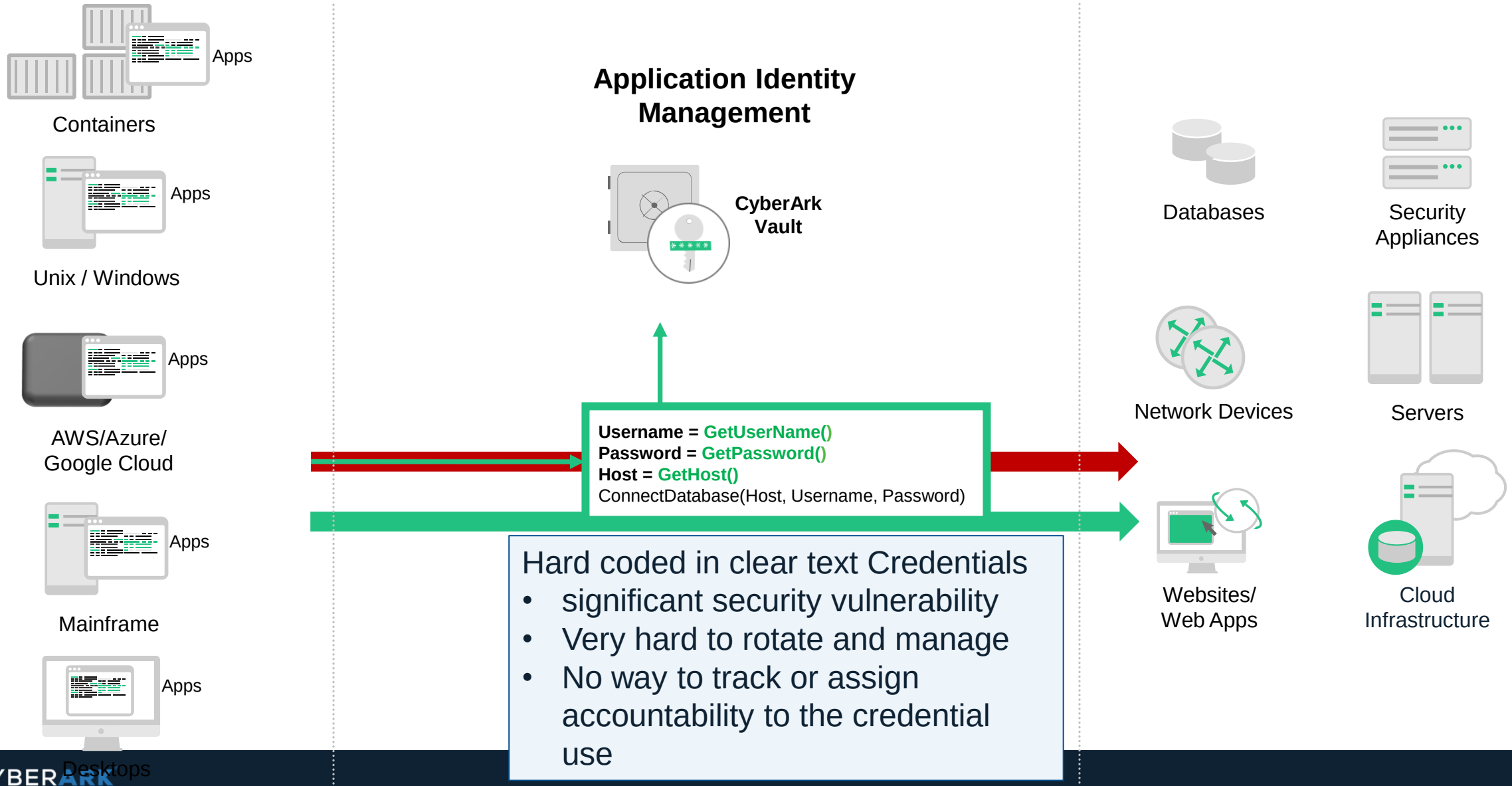
Enable privilege security on the endpoint



CYBERARK PRIVILEGED ACCOUNT SECURITY SOLUTION



ARCHITECTURE: HIGH-LEVEL TOPOLOGY



WHAT IS DNA?

- Gives you insight in your Privileged Account estate
- Gives insight in your Risks
- Helps to define the scope of your project

DISCOVERY AND AUDIT: WHAT DOES IT FIND?

- Windows accounts
- Unix accounts
- Mac OS accounts
- Accounts with access rights to desktops and servers (backdoors)
- Embedded Windows credentials in service accounts, Scheduled Tasks, IIS App Directories, and more.
- Hard-coded credentials in WebSphere, WebLogic and IIS Servers
- Hard-code credentials in Ansible Playbooks
- SSH Keys
- Cloud Assets: AWS IAM Users and Access Keys, EC2 Instances and their Key pairs
- Credential-harvesting detection
- Databases accounts

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THANK YOU

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