TODAY'S WEBINAR

ZERO TRUST SECURITY SKYROCKETS AS ATTACK SURFACES EXPAND

WITH BLACKBERRY

MicroAge®

ABOUT US

MicroAge is an award-winning technology solutions and services provider, specializing in IT services and cloud. For nearly five decades, MicroAge has empowered businesses to advance, secure, accelerate, and transform—moving quickly with technology changes to drive business forward.

Our consulting services division, cStor, serves as an elite team of specialized consultants who bring unique expertise to our clients in cybersecurity, data center, technology implementations, managed IT services, and more.
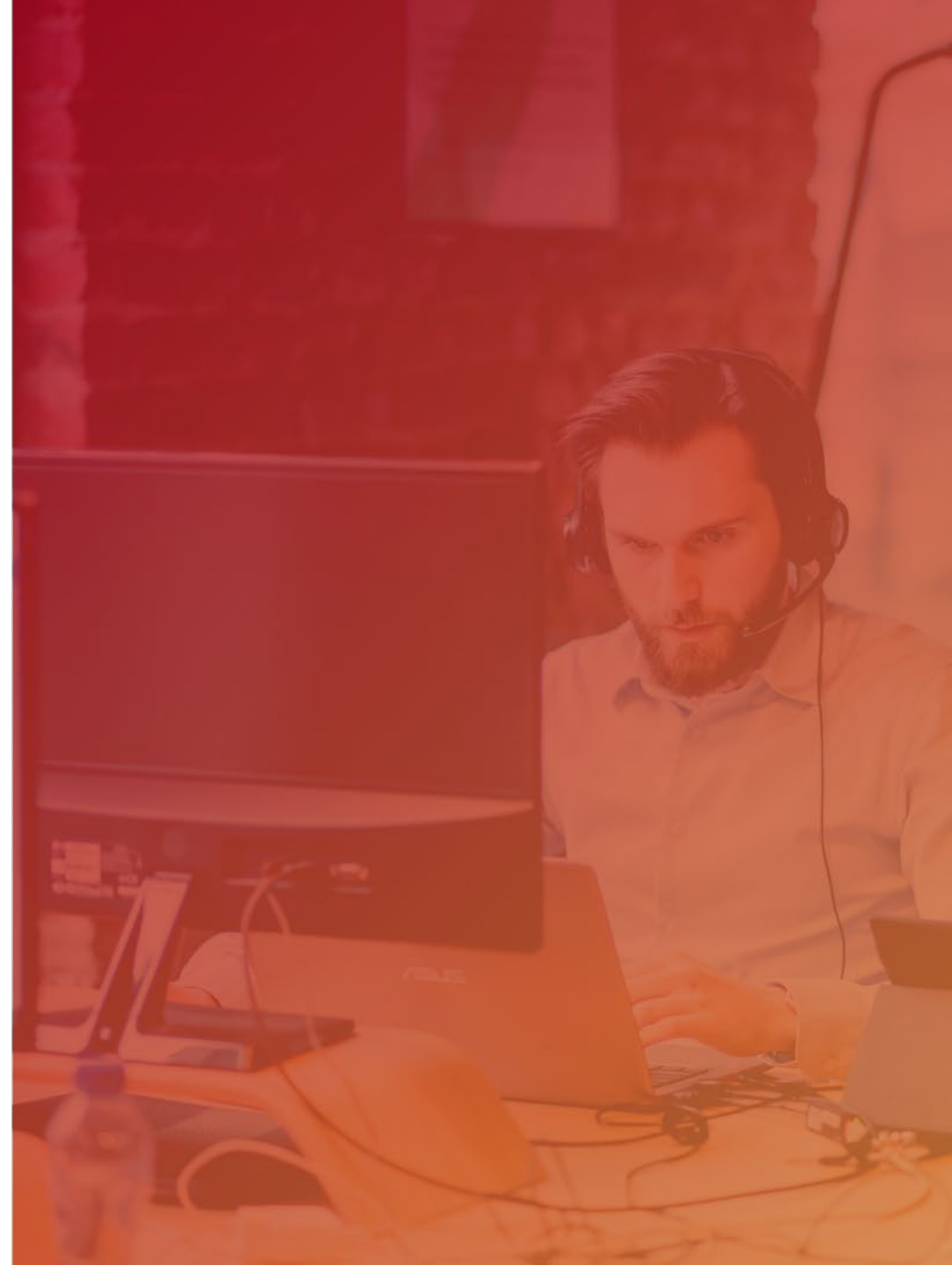
CERTIFICATIONS

At MicroAge, we empower our associates to keep learning to help you navigate your challenges. Our experts have experience and deep certifications including hundreds of partner certifications.

MicroAge has achieved **ISO 9001:2015** certification, demonstrating our commitment to maintaining quality systems and processes—ensuring our clients receive the best possible outcome.

INDUSTRIES

Every organization must transform into a technology company to remain competitive—no matter how you serve your customers. MicroAge supports organizations across verticals, brings deep expertise and professional certifications.

- Aerospace/Defense
- Agriculture/Farming
- Architectural/Engineering
- Commercial
- Communications/Telecom
- Construction
- Distribution
- Energy/Utilities
- Federal Government
- Financial/Banking
- Healthcare
- Higher Education

- Hospitality/Entertainment
- Insurance
- K-12 Education
- Legal
- Manufacturing
- Nonprofit
- Pharmaceuticals
- Real Estate
- Retail
- State & Local Government
- Technology
- Transportation/Logistics

SOLUTIONS & SERVICES

Every solution is tailored to meet your unique business requirements.
With our commitment to "objective expertise," you can rest assured that your
MicroAge account executive will listen to your needs, research options and design
a solution that best addresses your challenges, budget and plans for growth.

Our portfolio of services includes:

- Cloud
- Cybersecurity
- Data Center
- Data Migration
- Disaster Recovery
- Help Desk
- Hyper Converged Infrastructure

- Implementation
- IT Consulting
- Managed Services
- ManageWise
- Microsoft 365 & Azure
- Networking
- Power & Cooling

- Renewals & Contract Co-terming
- Software
- Staff Augmentation
- Storage
- Unified Communications
- Virtualization

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NEVER TRUST. ALWAYS VERIFY.

This **zero trust security model** trusts nothing and no one by default – including users inside the network perimeter.

Every **user, device** and **network** are **assumed to be hostile**.

Zero trust offers a **proactive approach and hardened defense**.

Zero Trust Everyday Example

Preventing Unauthorized Access to Airplanes (Resource)

Passengers	TSA Agent	TSA Checkpoint	Airplane
Users	Authentication	Authorization	Resource(s)
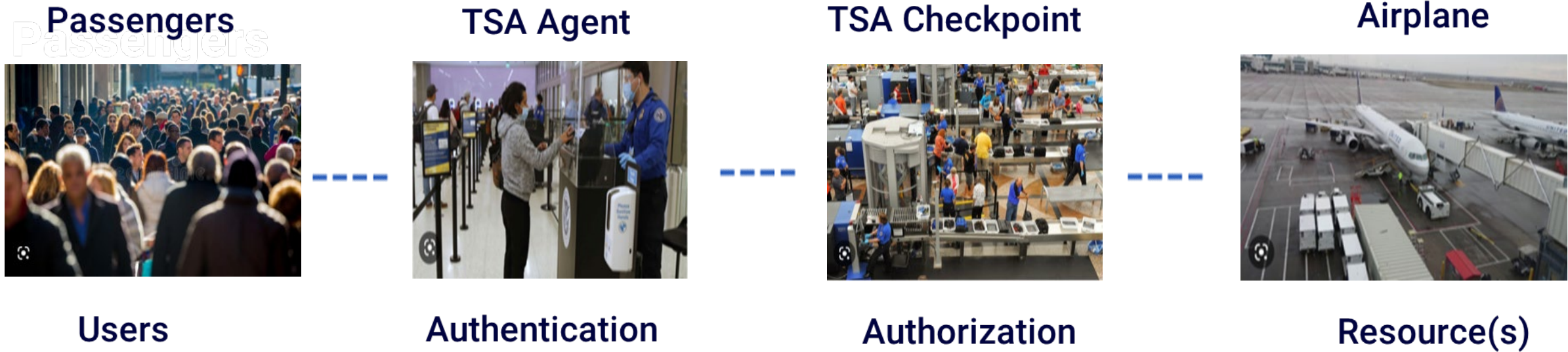
Zero Trust in the digital world

Preventing Unauthorized Access to enterprise resource(s)

Subjects	Assets	Policy Decision Point	Enterprise Resource
Users	Authentication	Authorization	Resource(s)

TRADITIONAL VPN AND PERIMETER DEFENSE

Over 80% of hacking variety breaches are caused by credential abuse (stolen or brute-forced).*

Salesforce
Slack
Office 365
Workday
Box

SaaS Apps

Private Resources

*Verizon Business DBIR (2021 Data Breach Investigations Report); https://enterprise.verizon.com/resources/reports/2021-data-breach-investigations-report.pdf
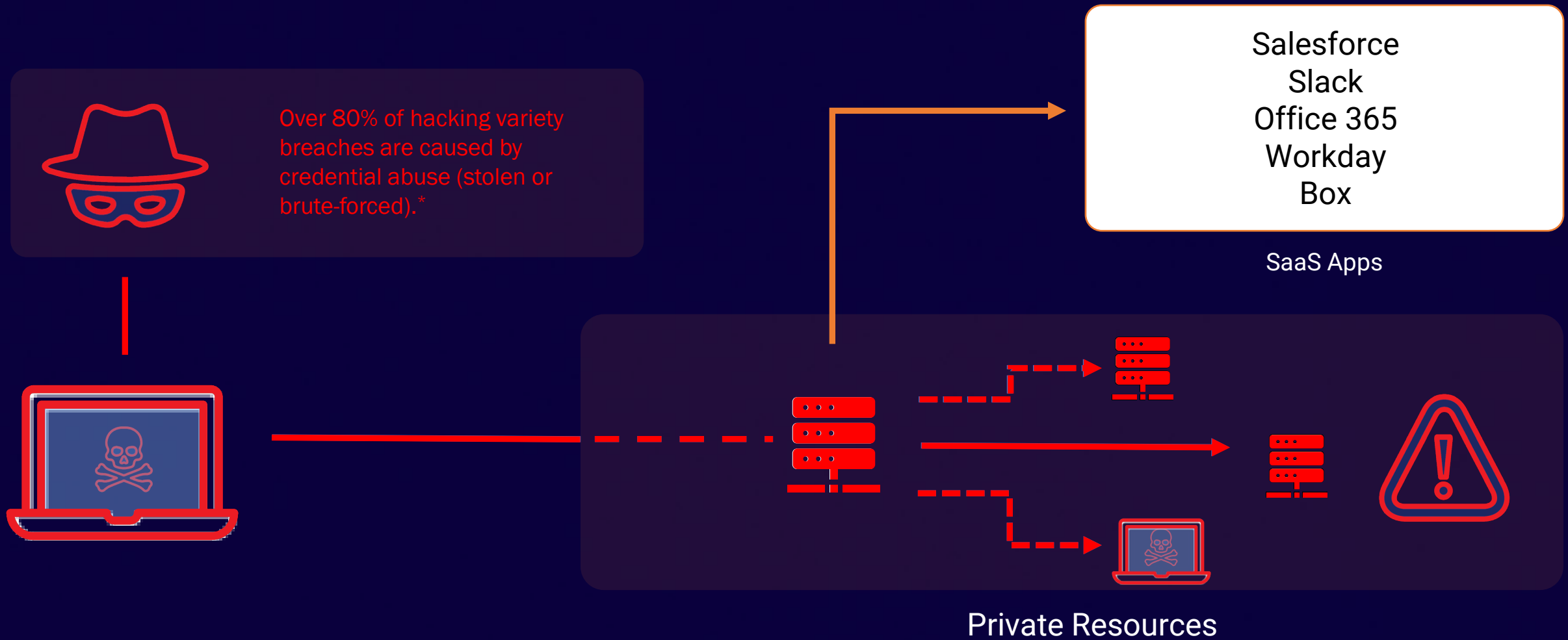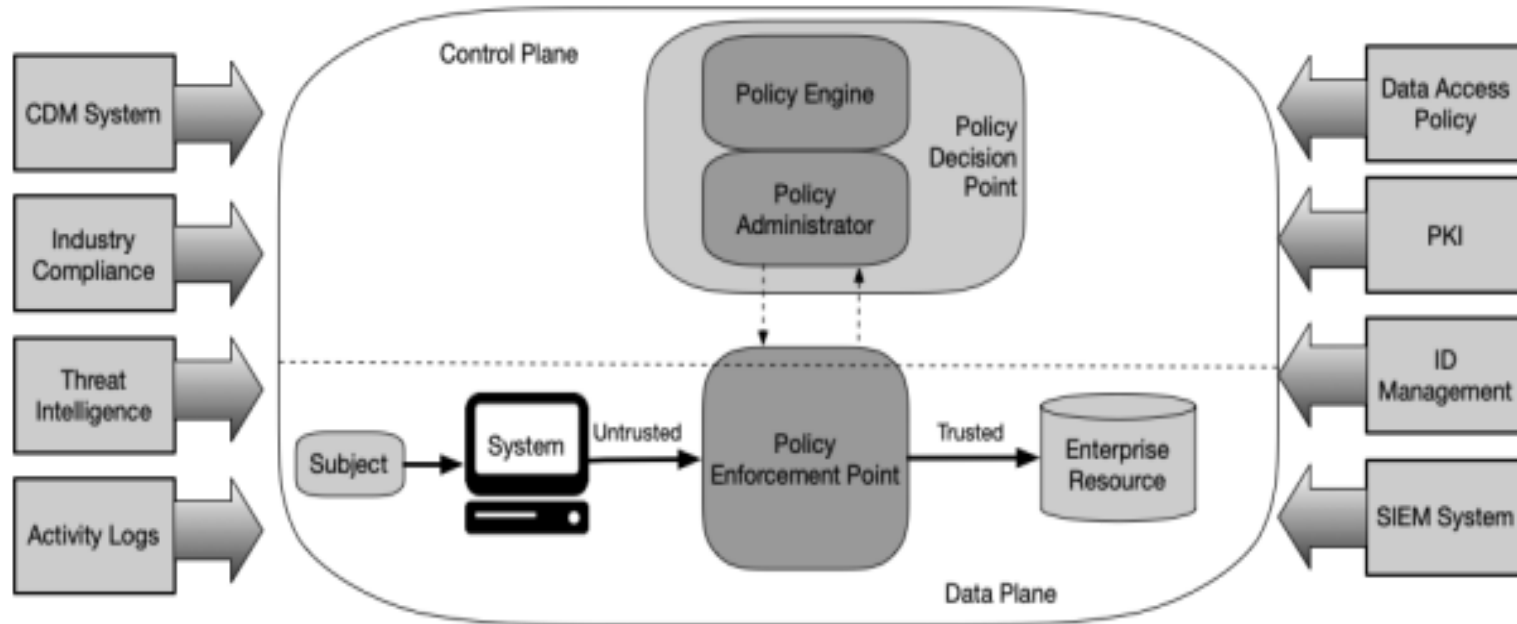
NIST 800-207 Reference Architecture
Zero Trust Core

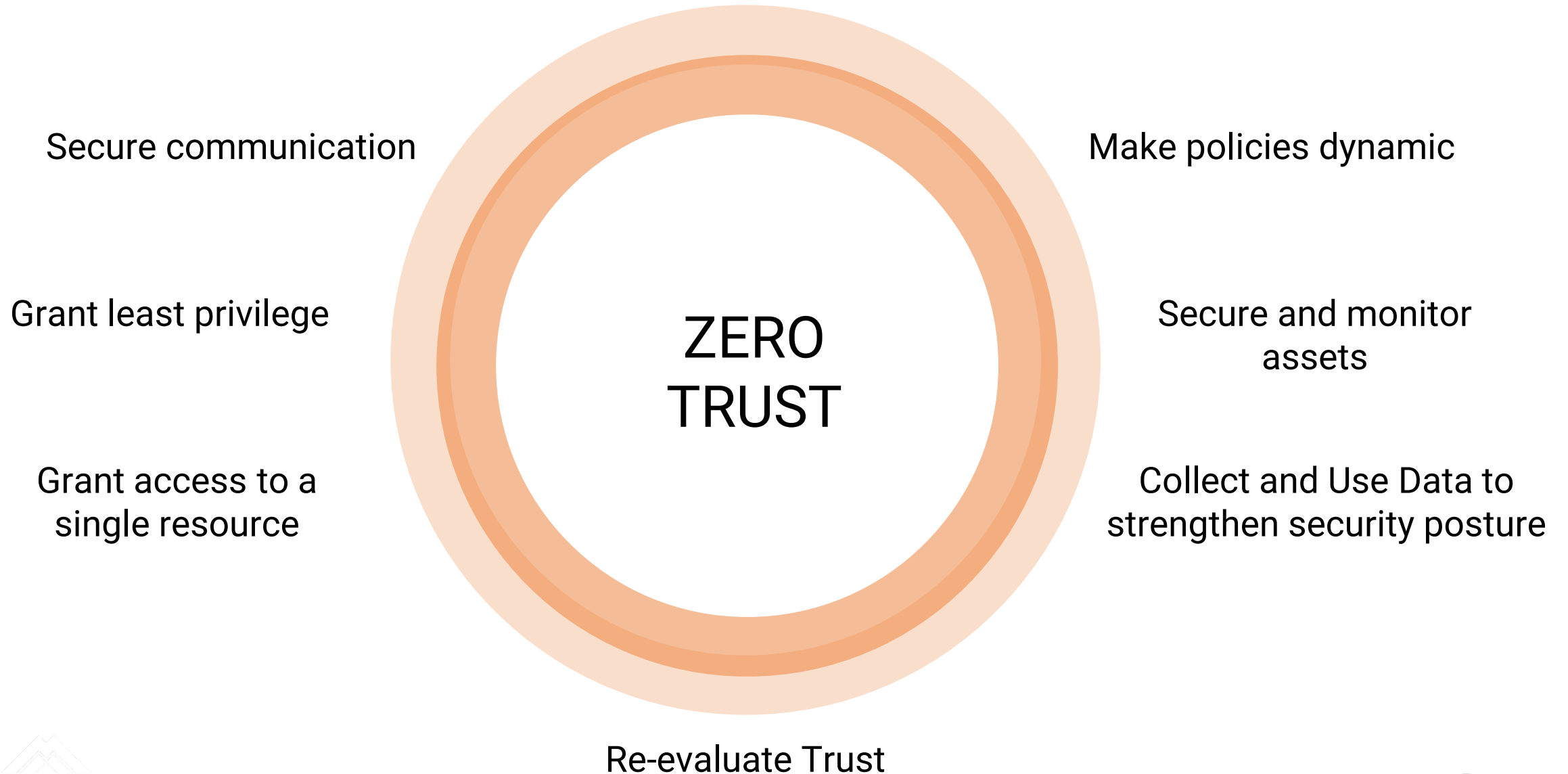**Figure 2: Core Zero Trust Logical Components**

SP 800-207, Zero Trust Architecture | CSRC (nist.gov)

TENETS OF ZERO TRUST

Secure communication

Make policies dynamic

Grant least privilege

Secure and monitor assets

ZERO TRUST

Grant access to a single resource

Collect and Use Data to strengthen security posture

Re-evaluate Trust

Zero Trust is a methodology backed by an ecosystem

Highly dependent on how your organization articulates identity

FRAGMENTED IDENTITY

UNIFIED IAM

CONTEXTUAL ACCESS & AUTO-PROVISION

ADAPTIVE WORKFORCE

Implementing Zero Trust does not entail a wholesale replacement of security infrastructure. Existing investments are valuable for the journey towards Zero Trust

3 Pillars to achieving Zero Trust
BlackBerry has 2 of the 3 pillars

User identity and authentication

okta

Azure Active Directory

PingIdentity®

Secure Endpoint

CYLANCE

BlackBerry Workspaces

TikTok

Digital Rights Management

Data Loss Prevention

Secure Network Access

CylanceGATEWAY

Fast and Secure Network Access

Securely Work from anywhere

BEGIN THE JOURNEY TOWARDS ZERO TRUST

VISUALIZATION

Requires understanding:

ALL resources made available to users

Include both on and off prem

Inventory access points and associated risks

MITIGATION

Once resources are mapped:

Detect and stop associated threats

Mitigate the impact of a breach

Risk mitigation involves setting comprehensive policies
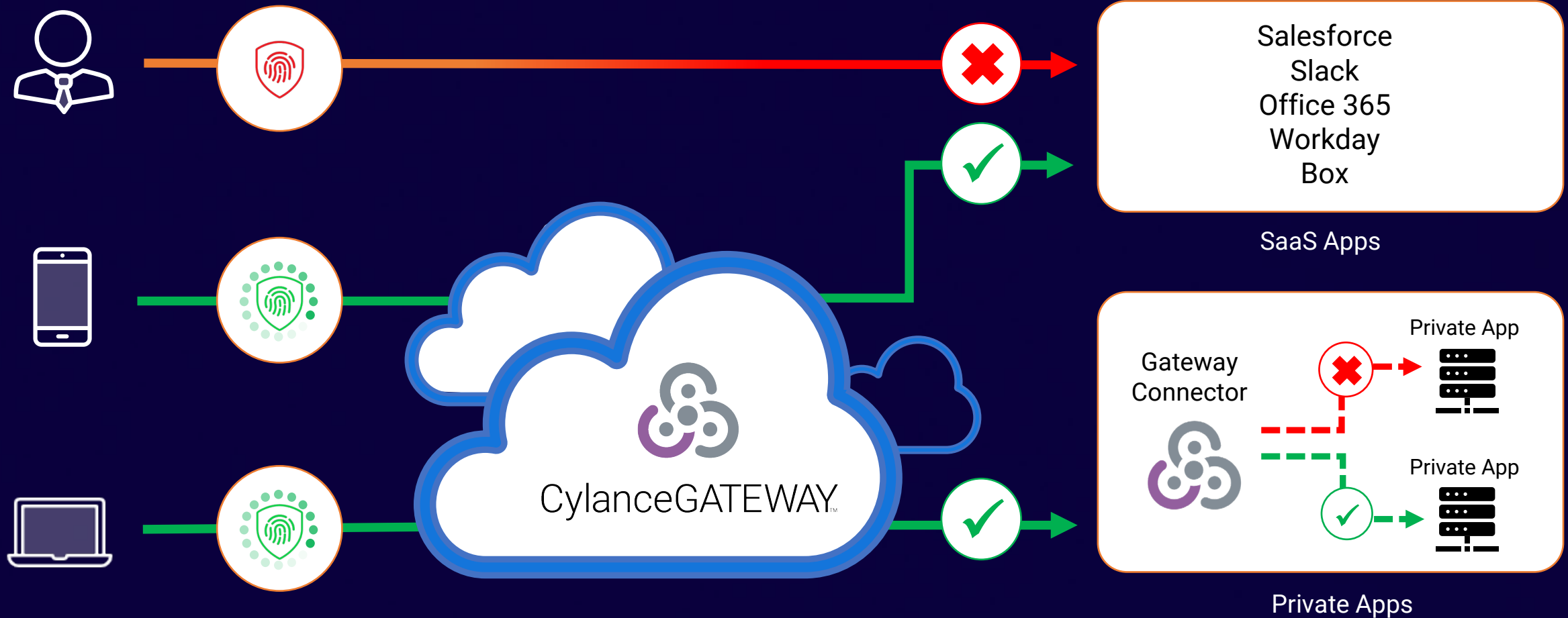
OPTIMIZATION

Finally, the last step....

Extend protection to entire IT infrastructure:

- all resources
- no matter the location
  - device / user

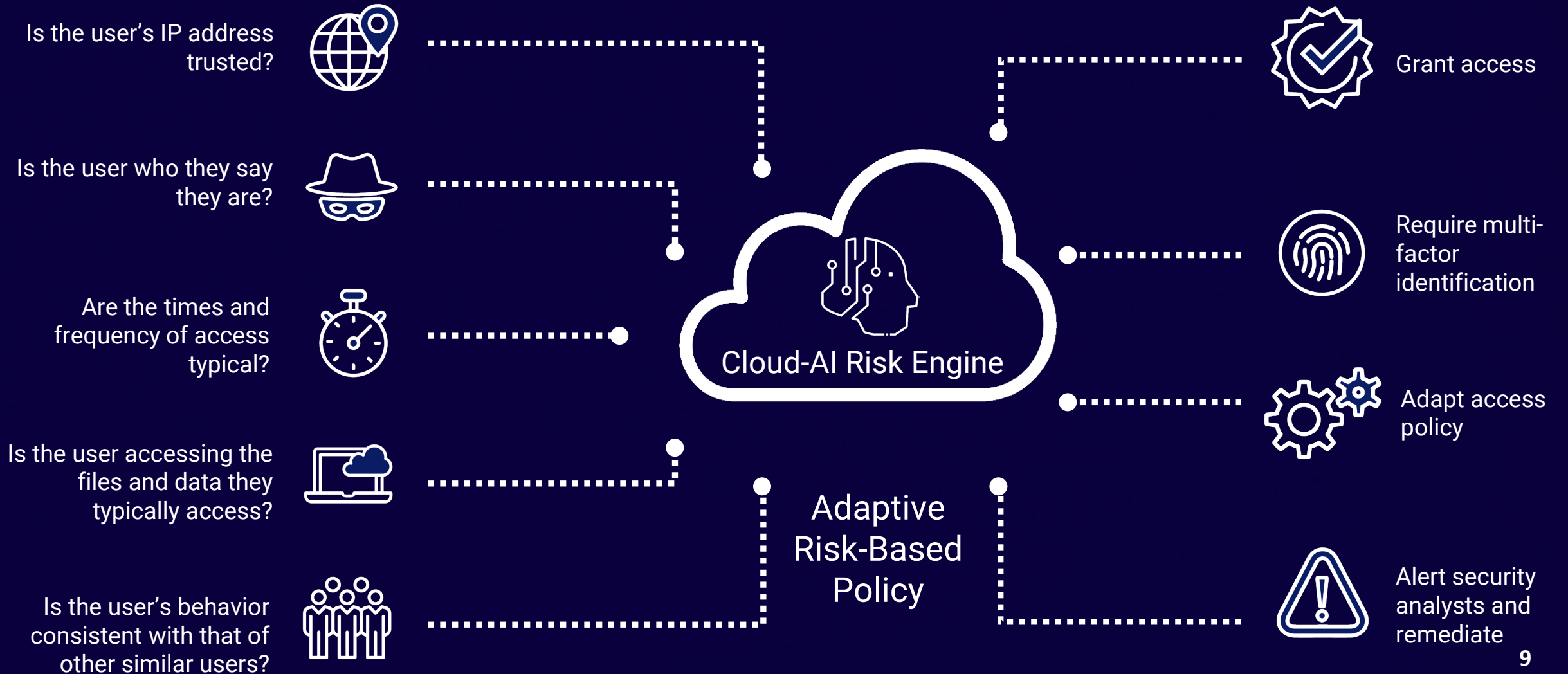Enhance the experience of end users to make Zero Trust security seamless

CylanceEdge *ENSURES ONLY TRUSTED PARTICIPANTS ENGAGE IN LEGITIMATE ACTIVITY FOR A ZERO-TRUST, ZERO-TOUCH EXPEREINCE*

Salesforce
Slack
Office 365
Workday
Box

SaaS Apps

CylanceGATEWAY™

Gateway Connector

Private App

Private App

Private Apps

CLOUD-AI TO CONTINUOUSLY ASSESS RISK IN THE NETWORK

Potential Risk Factors

Is the user's IP address trusted?

Is the user who they say they are?

Are the times and frequency of access typical?

Is the user accessing the files and data they typically access?

Is the user's behavior consistent with that of other similar users?

Cloud-AI Risk Engine

Adaptive Risk-Based Policy

Potential Actions

Grant access

Require multi-factor identification

Adapt access policy

Alert security analysts and remediate

9
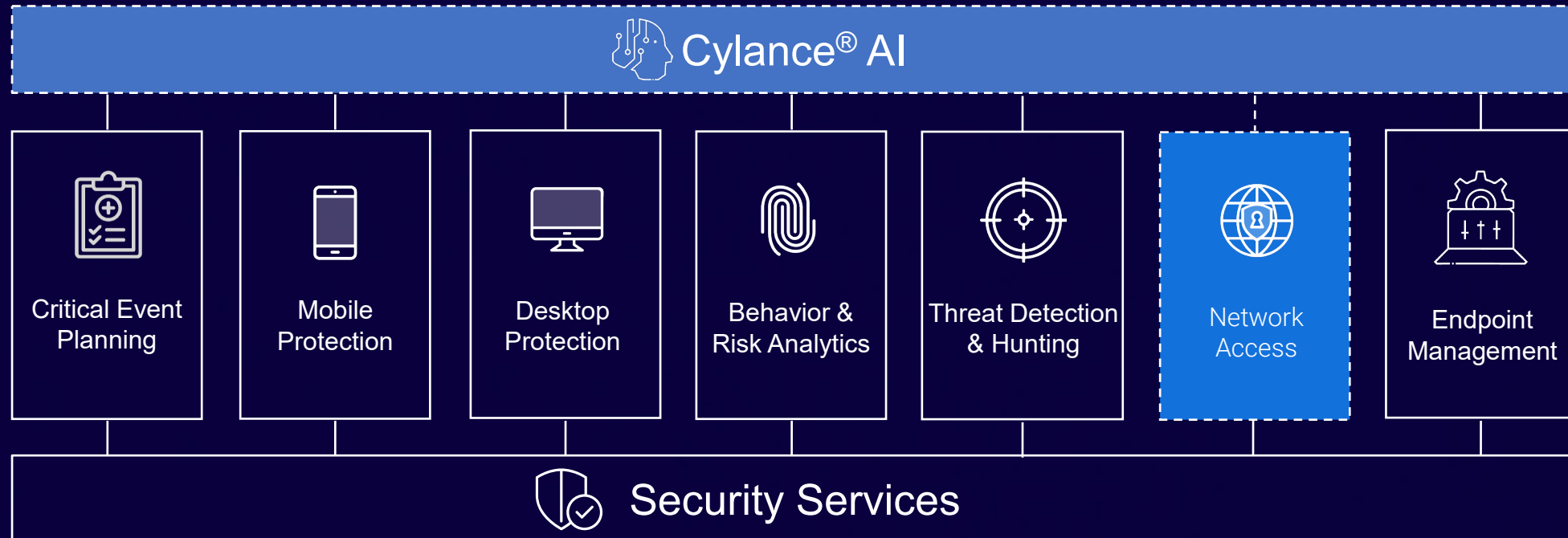
CYBER WISE 2023 SCHEDULE

TUESDAY, MAY 23

Zero Trust Security Skyrockets as Attack Surfaces Expand

FEATURING

BlackBerry

TUESDAY, JUN 27

Understanding State-of-the-Art Secrets Management

FEATURING

THALES

WEDNESDAY, JUL 19

Hacking the Hackers: How Managed Detection & Response Can Keep You Safe

FEATURING

ARCTIC WOLF

THURSDAY, AUG 10

Ransomware Resilience: Building a Robust Defense Against Cyber Extortion

FEATURING

rubrik

WEDNESDAY, AUG 30

Cybersecurity as a Service: A Way to Achieve Superior Cybersecurity Outcomes

FEATURING

SOPHOS

WEDNESDAY, SEP 13

Shielding Your Business: The Power of Proactive Managed Security Services from MicroAge

FEATURING

MicroAge®
Managed Security Services