BlackBerry Cyber Security
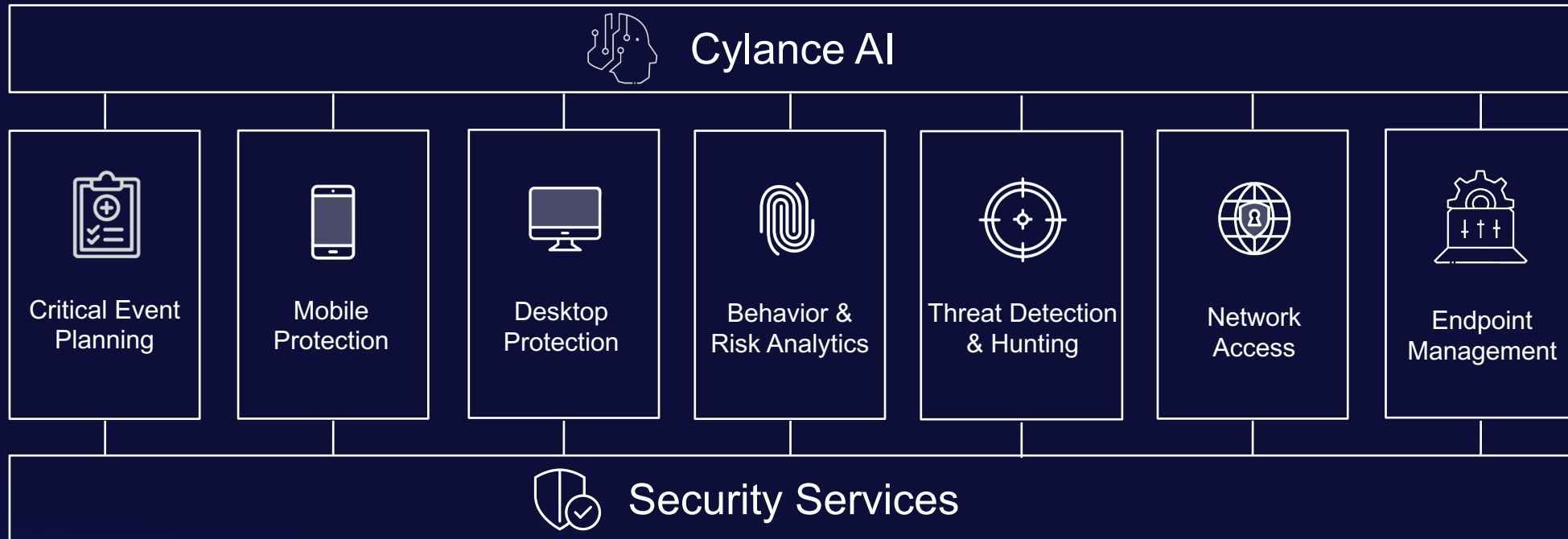
AI-powered security that works smarter, not harder

Prepare • Prevent • Detect • Respond

Cylance AI

| Critical Event Planning | Mobile Protection | Desktop Protection | Behavior & Risk Analytics | Threat Detection & Hunting | Network Access | Endpoint Management |

Security Services

BlackBerry

BlackBerry Protects Your Business

A modern approach to cyber security and risk management

Prepare • Prevent • Detect • Respond

Prepare for IT outages, ransomware lockouts, and business disruptions before they happen.

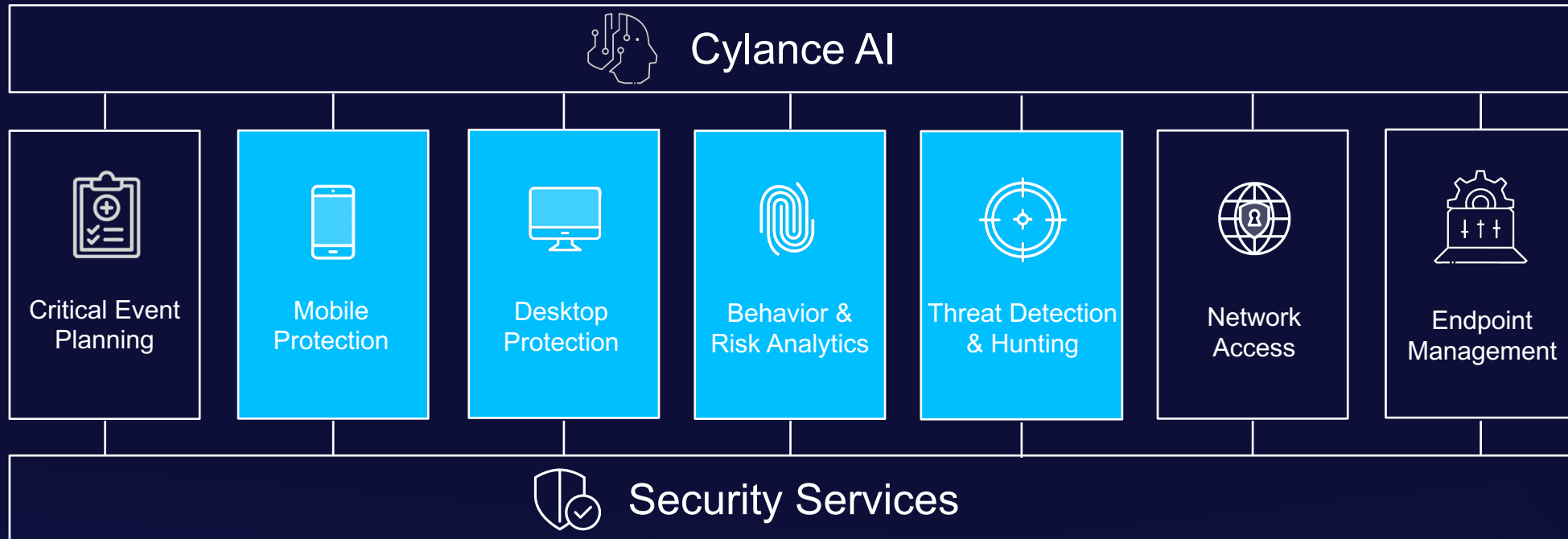Prevent cyber attacks, internal threats, and data security risks effectively and efficiently.

Detect security breaches and suspicious behavior as fast as possible, minutes matter.

Respond quickly – through automation – to protect your business and mitigate risks.

::: BlackBerry

BlackBerry Cyber Security

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Security Services

BLACKBERRY PROTECT

BlackBerry Protect is an AI-based endpoint security solution that stops malware. Human intervention, cloud connections, signatures, heuristics, and sandboxes are not required.

ZERO DAY PREVENTION

AI Inspects Applications and Files before they execute on the endpoint stopping known & unknown malware

EDGE AI

Adaptive Protection that runs on the endpoint without needing a network connection or signatures

HIGH PERFORMANCE

Light weight super fast agent that uses a fraction of the CPU process compared to traditional AV
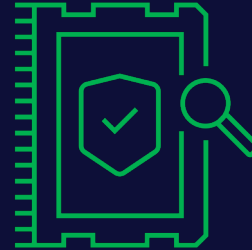
::: BlackBerry

BLACKBERRY PROTECT

BlackBerry Protect uses the power of machines, not humans, to dissect malware DNA. AI then determines if the code is safe to run.

SCRIPT CONTROL

Script management maintains full control of when and where scripts are run in the environment

MEMORY PROTECTION

Proactively identifies malicious memory (file-less) attacks with automated responses

UNIVERAL ENDPOINTS

Desktop, mobile, and server endpoints including Windows, Mac, iOS, Android, Linux, and Chrome OS

BlackBerry

BLACKBERRY PROTECT MOBILE

EDGE AI PROTECTION
Cylance AI identifies and blocks mobile malware, protects against side loading, and identifies security vulnerabilities and compromises with the OS

AUTO REMENDATION
Once a threat is identified, Protect can inform and allow the user to self remediate the issue by removing the threat or automatically enable options like safe browsing

BLOCK SOCIAL ENGINEERING
Neutralizes the threat of social engineering attempts via malicious SMS/MMS messages; URL scanning/anti-smishing.

12:30

BlackBerry Protect

Device SAFE

View Details

Last updated
10 min ago
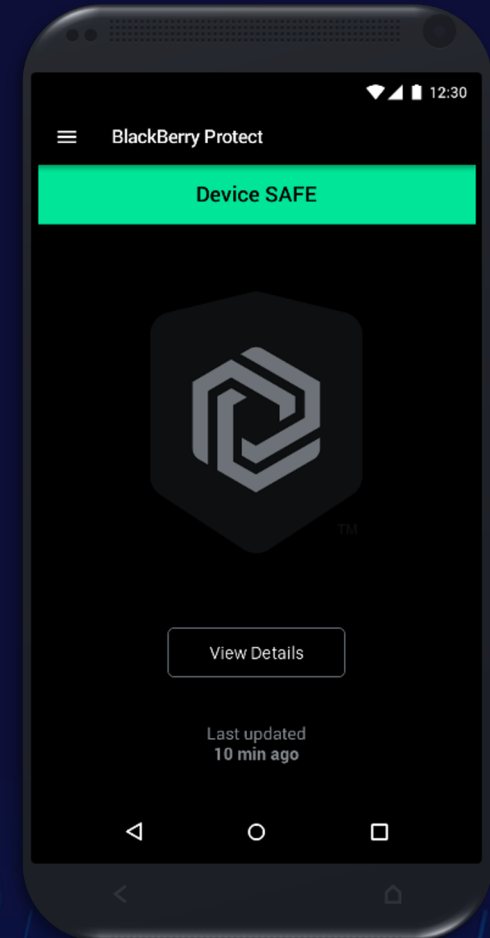
::: BlackBerry

BLACKBERRY PROTECT

The effectiveness of BlackBerry Protect a result of the sophistication of the AI/ML models combined with the massive amount of data that has been analyzed

20B
FEATURES MAPPED[1]

99%
EFFECTIVENESS[2]

1.4T
FILES ANALYZED[3]

LIGHT WEIGHT
0-1%
CPU UTLIZATION[4]

FAST
50ms
TIME TO CONVICTION[5]

SOPHISTICATED
1.1M
FEATURES EXTRACTED[6]

BLACKBERRY PERSONA

BlackBerry Persona mitigates risks from insider threats, compromised credentials, and stolen devices. And by improving the user experience, it protects against human error and well-intentioned IT workarounds.

ADAPTIVE PROTECTION

Adaptive Endpoint Protection with Predictive AI and Machine Learning

CONTINUOUS AUTHENTICATION

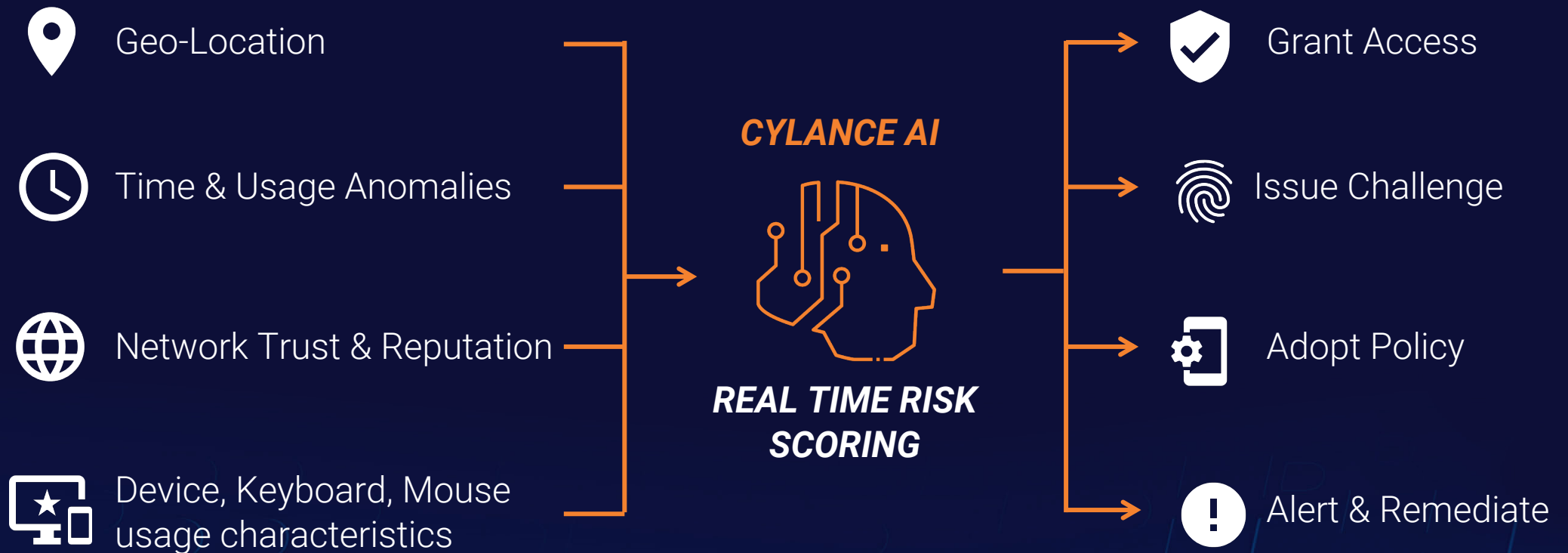Passive biometrics and usage-based patterns continuously verifies a user's identity

REAL TIME RISK SCORE

Dynamically Adapts Security Policies Based on Situational Risk

::: BlackBerry

BLACKBERRY PERSONA

BlackBerry Persona uses ML and predictive AI for user behavior analytics to dynamically adapt security policies based on risk tolerance.

- Geo-Location
- Time & Usage Anomalies
- Network Trust & Reputation
- Device, Keyboard, Mouse usage characteristics

CYLANCE AI

REAL TIME RISK SCORING

- Grant Access
- Issue Challenge
- Adopt Policy
- Alert & Remediate

BlackBerry

BLACKBERRY OPTICS

BlackBerry Optics is an EDR solution that extends the threat prevention delivered by BlackBerry Protect using AI to identify and prevent widespread security incidents

AI INCIDENT PREVENTION
Use AI to automatically detect and prevent security incidents

DYNAMIC THREAT DETECTION
Automate threat detection, in real time, using custom and curated rules

ON DEMAND ROOT CAUSE ANALYSIS
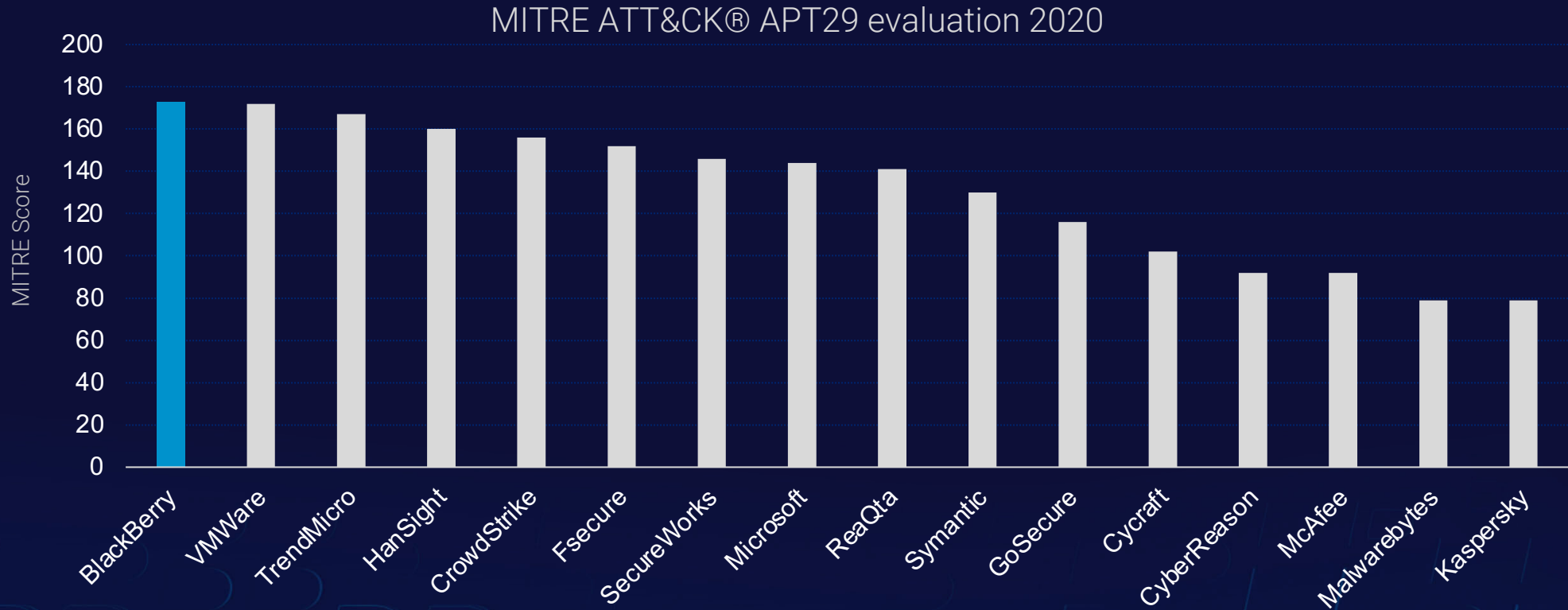Understand how attacks entered the environment to take corrective actions

AUTOMATED FAST RESPONSE
Customize automated response actions, eliminating dwell time

:::BlackBerry

BLACKBERRY OPTICS

BlackBerry AI outperforms the competition & reduces the need for human intervention.

MITRE ATT&CK® APT29 evaluation 2020

Bar chart — MITRE Score by vendor:
BlackBerry (~173), VMWare (~172), TrendMicro (~167), HanSight (~160), CrowdStrike (~156), Fsecure (~152), SecureWorks (~146), Microsoft (~144), ReaQta (~141), Symantic (~130), GoSecure (~116), Cycraft (~102), CyberReason (~92), McAfee (~92), Malwarebytes (~79), Kaspersky (~79)

BLACKBERRY GUARD

24x7 managed cyber security service (MDR) provides actionable intelligence to prevent threats and minimize alert fatigue. BlackBerry security experts and threat hunters take your organization from zero to fully operational quickly.

Threat Detection using machine learning, behavior analytics, and hunting.	Security incident triage, analysis, and investigation. First tools, then humans.	Disrupt and contain attacks and compromises. Notify accounts as needed. First tools, then humans.	Research, uncover, create, and disseminate new threat information for customer protection and global thought leadership.
Threat Detection & Hunting	**Incident Management**	**Incident Response**	**Threat Intelligence**

::: BlackBerry

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BLACKBERRY GUARD

Flexible options for customer notifications – email when needed, always on portal, mobile app for quick context and deeper insight.
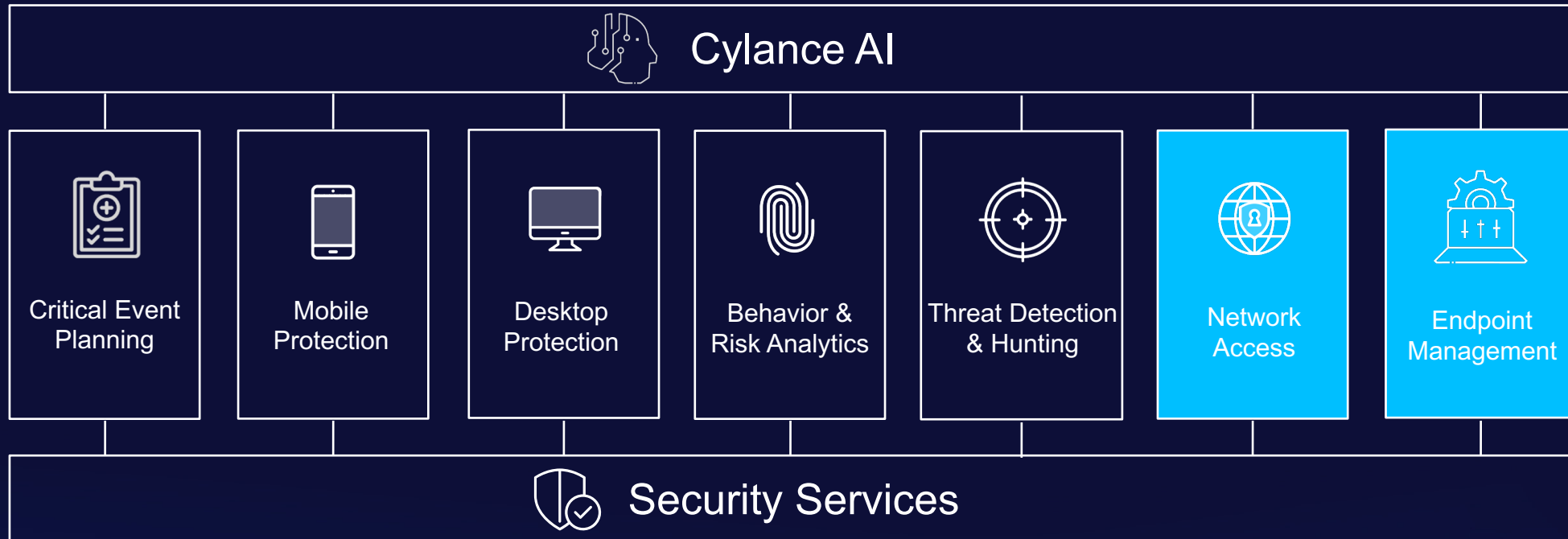
Mobile

Email

Portal
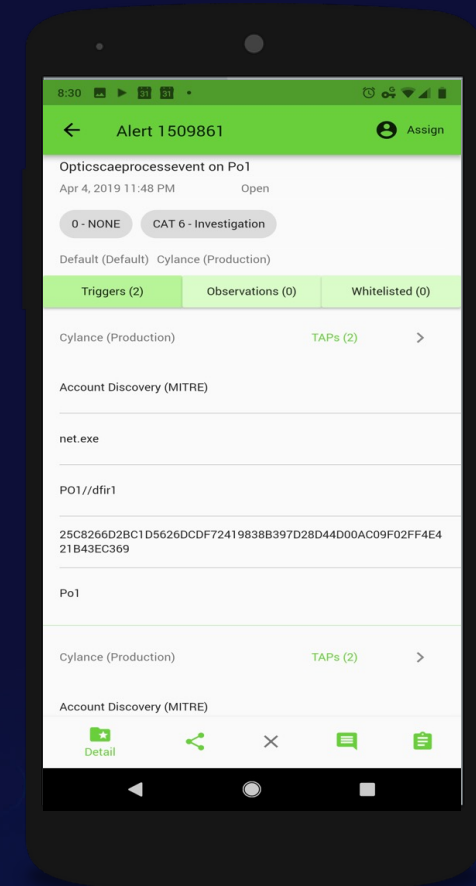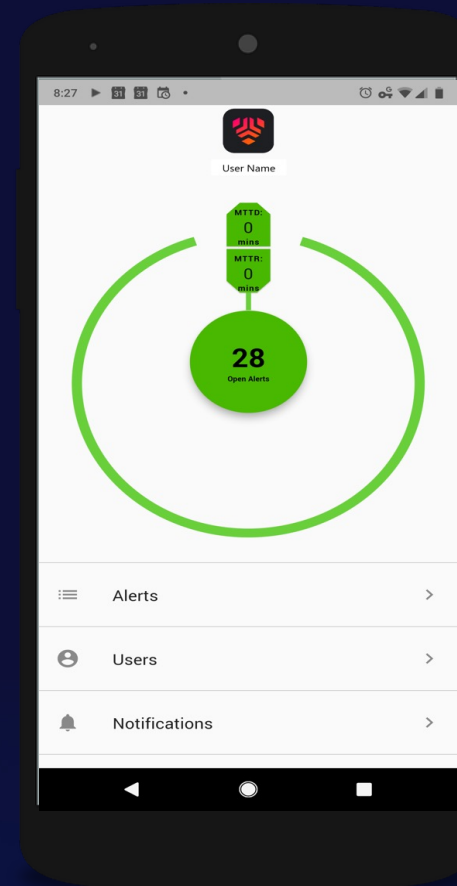
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Security Services

BLACKBERRY GATEWAY

BlackBerry Gateway provides a modern approach to Zero Trust Network Access providing greater security controls while improving user experience and remote access to a distributed workforce.
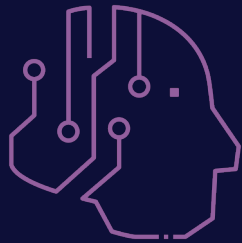
ZERO TRUST NETWORK ACCESS

Enable Zero Trust Network Access to all major SaaS and on-prem apps – no VPN needed

OPTIMIZED REMOTE WORKERS

BYOD, and WFH made easy with flexible policies that separate work apps from personal apps
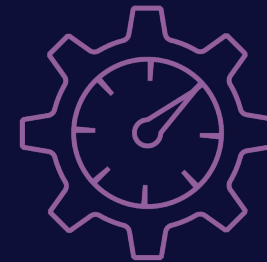
HIGHLY CONFIGURABLE

Granular network access controls at the app level with built in endpoint security

BlackBerry

BLACKBERRY UEM

BlackBerry UEM (unified endpoint management) for stronger endpoint protection and response across all devices.

STRONGER RESPONSE

Quarantine, block access, and even wipe data to remediate compromised apps or devices, or to isolate sensitive endpoints.

DEVICE CONTROL

Advanced app, network & device management and controls allows for higher security policy enforcement.

SECURE APPS

Secure mobile email, calendar, browser, and productivity apps enables industry-best secure remote working and BYOD.

DATA PROTECTION

Supports all desktop and mobile OSs and includes built-in DRM, secure file sharing, and identity management.

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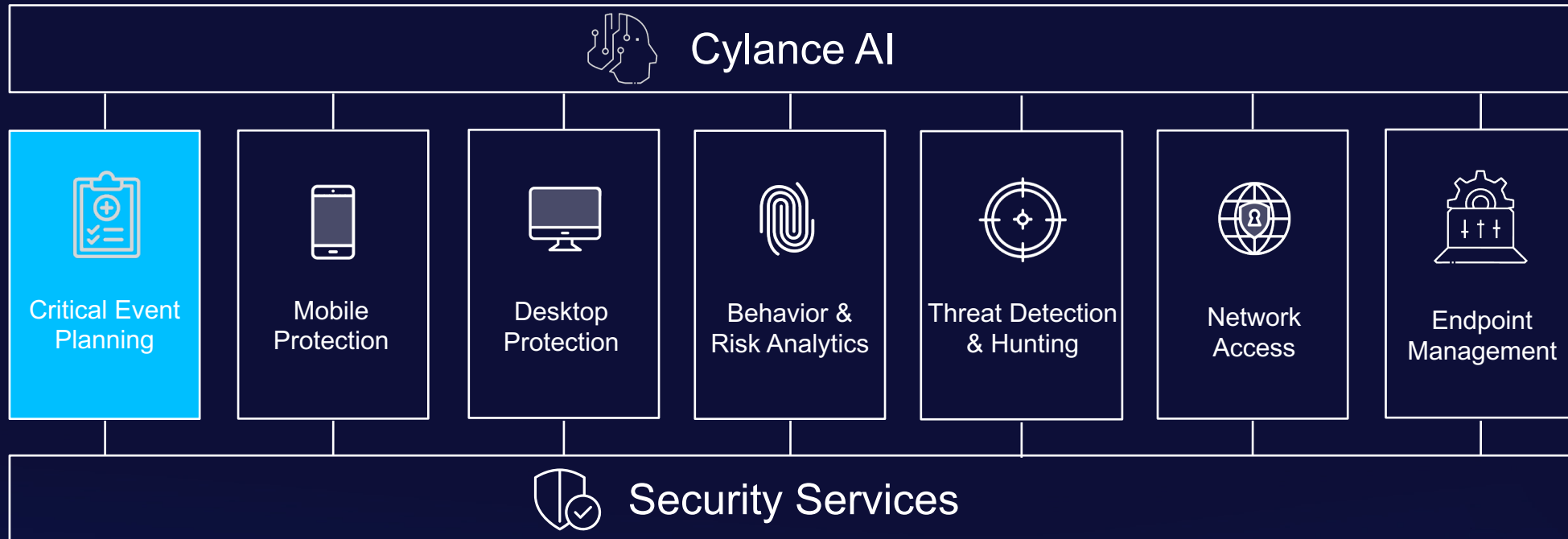
Many Types of Critical Events

"During any crisis, the biggest worry for CEOs is gathering accurate information quickly and knowing how data will flow during this crisis."   Gartner 2020

CYBER ATTACKS & IT OUTAGES

DISRUPTIONS & SITE CLOSURES
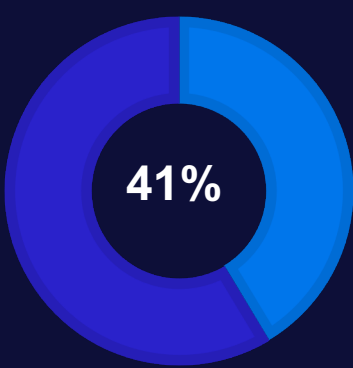
TRAVEL & HEALTH EVENTS

PUBLIC SAFETY INCIDENTS

::: BlackBerry

Consequences of Critical Events
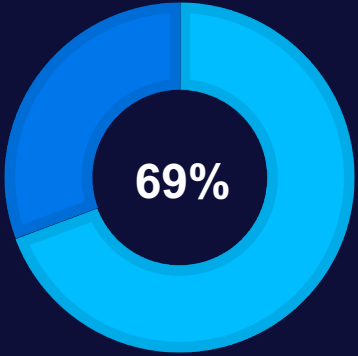
69%
LOSS OF PRODUCTIVITY
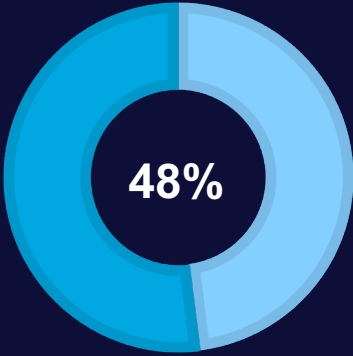
48%
NEGATIVE IMPACT ON MORALE

41%
CUSTOMER COMPLAINTS
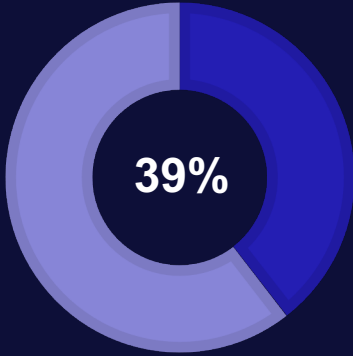
39%
REPUTATION DAMAGE
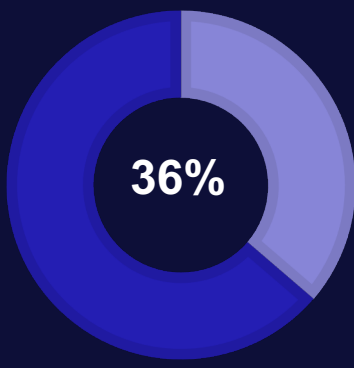
36%
LOSS OF REVENUE

Source: BCI Horizon Scan Report 2020

BlackBerry

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What happens during a cyber attack?

Process Disruption	Outage or Breach	Loss in Productivity	Data & IP Risk	Compliance Impact

Cyber Incident Discovered — **Assess Risks from Impacted Systems & Locations** — **Activate Incident Response Plan** — **Real Time Collaboration** — **Alert Users, Customers, Partners, Press** — **Gather Status** — **Report & Audit**

::: BlackBerry

BLACKBERRY ALERT

A fully managed service or SaaS solution that allows your organization to quickly and easily benefit from BlackBerry's secure and trusted critical event management platform

EXPERIENCE ON DEMAND

- 24/7 access to our team of experienced business continuity practitioners
- Benefit from BlackBerry's history of security, reliability, scalability and responsiveness

QUICK SETUP

- Operational within 2 business days
- Crisis communication playbook and messaging templates
- Option to deploy alerts on your behalf via multiple communication channels
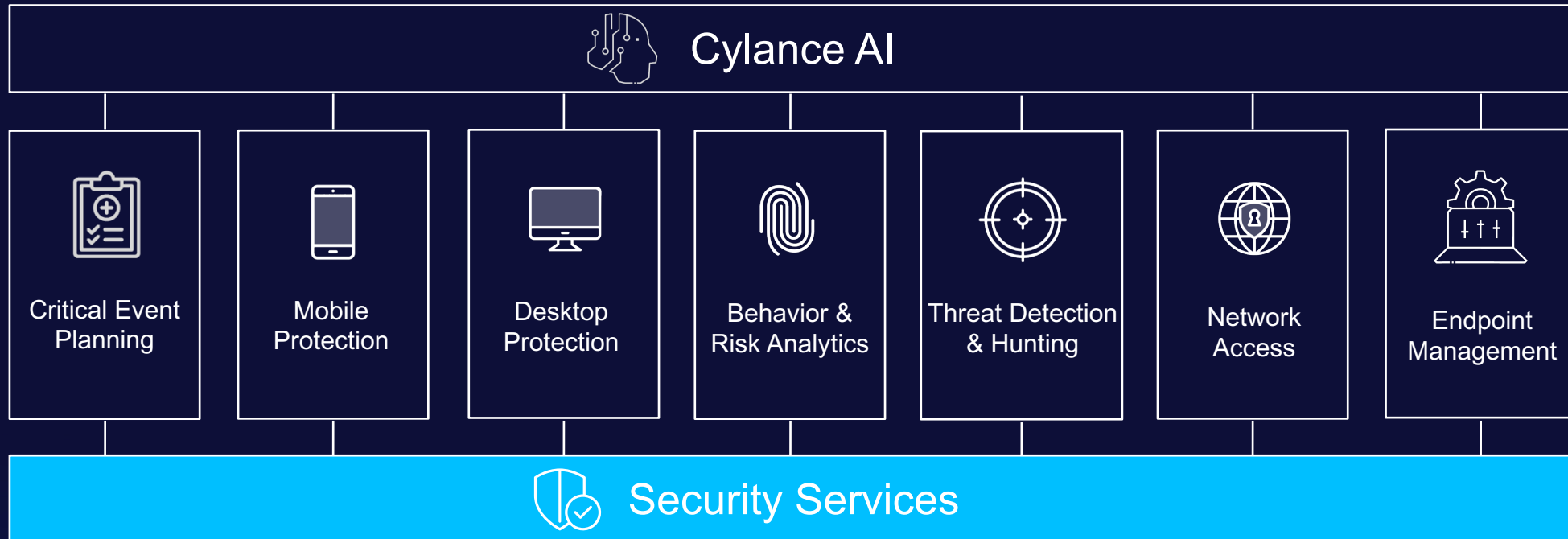
CONTINUOUS SUPPORT

- Round the clock monitoring of possible crisis threats
- Ongoing updates with your latest plans, org structure and contacts
- Auditable records of actions taken during a crisis
- Training drills to familiarize your staff with receiving critical alerts
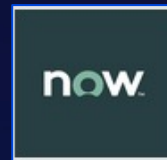
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Security Services

::: BlackBerry

BlackBerry Security Services

World-class team of security experts, researchers, contributors, and consultants

Assess	*Defend*
Red Teaming / Attack Simulation	Incident Response / Containment
Virtual CISO (vCISO)	Incident Response Retainer
Penetration Testing	Compromise Assessment
IoT / Embedded security assessment	Ransomware Containment
Table Top eXercise (TTX)	Business Email Compromise Assessment
Staff Augmentation	Forensic Analysis

SANS ·ISACA® (ISC)² black hat CREST®

::: BlackBerry

BlackBerry Cyber Security

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Cylance AI

BlackBerry **Alert**	BlackBerry **Protect**	BlackBerry **Persona**	BlackBerry **Optics**	BlackBerry **Gateway**	BlackBerry **UEM**
Critical Event Planning	Endpoint Protection	Behavior & Risk Analytics	Threat Detection & Hunting	Network Access	Endpoint Management

GUARD & Security Services