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

MITRE ATT&CK® APT29 evaluation 2020
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.
Flexible options for customer notifications – email when needed, always on portal, mobile app for quick context and deeper insight.
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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 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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Security Services
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
Consequences of Critical Events

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loss of Productivity</td>
<td>69%</td>
</tr>
<tr>
<td>Negative Impact on Morale</td>
<td>48%</td>
</tr>
<tr>
<td>Customer Complaints</td>
<td>41%</td>
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<tr>
<td>Reputation Damage</td>
<td>39%</td>
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<tr>
<td>Loss of Revenue</td>
<td>36%</td>
</tr>
</tbody>
</table>

Source: BCI Horizon Scan Report 2020
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
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
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*World-class team of security experts, researchers, contributors, and consultants*

**Assess**
- Red Teaming / Attack Simulation
- Virtual CISO (vCISO)
- Penetration Testing
- IoT / Embedded security assessment
- Table Top eXercise (TTX)
- Staff Augmentation

**Defend**
- Incident Response / Containment
- Incident Response Retainer
- Compromise Assessment
- Ransomware Containment
- Business Email Compromise Assessment
- Forensic Analysis

[Logos of SANS, ISACA, (ISC)², black hat, and CREST]
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- BlackBerry Alert: Critical Event Planning
- BlackBerry Protect: Endpoint Protection
- BlackBerry Persona: Behavior & Risk Analytics
- BlackBerry Optics: Threat Detection & Hunting
- BlackBerry Gateway: Network Access
- BlackBerry UEM: Endpoint Management

GUARD & Security Services