15 Ways We Protect Your Business from a Cyber Attack

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DID YOU KNOW?

- **Two-thirds** of small businesses have been **cyber attacked** in the past year.
- The average cost of a data breach has risen to **$3.7 million.**
- In 2020, cyberattacks increased by **300%** (per the FBI).
- Most breaches take **six months to detect**.
- **95%** of breaches can be **prevented** with common-sense security approaches.

Carmichael Consulting can help you select, implement and manage every safeguard on this list.

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Security Assessment

Assessments are a critical activity and first line of defense that lets firms establish a baseline and close existing vulnerabilities.

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Email Protection

Most attacks originate in email, and choosing the right service will reduce spam and minimize your staff's exposure to email-based threats.

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Secure Passwords & Other Policies

Policies are vital protection to deny/limit user access to USB and other external storage, strengthen password policies, set user screen timeouts and more.

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Security Awareness

Web-based training solutions and "strong and ready" security policies promote staff education about data security, email attacks, and policies and procedures.

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Advanced Endpoint Detection & Response

Replace outdated anti-virus solutions and safeguard computers and data from malware, viruses and cyber attack – even script-based threats and ransomware.

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Multi-Factor Authentication

Implement multi-factor authentication wherever possible including on your network, financial websites and even social media to ensure that even if a password is stolen, data stays protected.

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Software Updates

An automated, "critical update" service protects your computers from the latest known attacks and maintains updates on popular programs from Microsoft, Adobe, Java and other providers.

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Dark Web Research

Know in real-time what passwords and accounts have been posted on the Dark Web so you can be proactive in data breach prevention. Dark Web scans let you act quickly to protect your business from stolen credentials that are posted for sale.

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SIEM/Log Management

(Security Incident & Event Management)

Leverage big-data engines to review event and security logs from all covered devices to defend your firm against advanced threats and meet compliance requirements.

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Firewall

With intrusion detection and intrusion prevention features turned on, you can automatically send log files to a managed SIEM.

Web Gateway Security

Cloud-based security detects web and email threats in real time, as they emerge on the Internet, and blocks them on your network in seconds before they reach the user.

Encryption

File encryption is a proven security mechanism. For greatest protection, deploy a solution that encrypts them in transit and at rest (where stored) — even on mobile devices.

Mobile Device Security

Employee phones and tablets are a primary attack vector for cyber criminals to steal data or access your network. Mobile device security closes this security hole.

Backup

Backup is always your last line of defense. Ideally you should backup up locally and off site. If you are only doing one backup, make it to the cloud. And make sure it's working, test often if you are unsure.

Cyber Insurance

For those who want business protection no matter what, cyber damage and recovery insurance policies are the final line of defense.

Call us to determine which plan is best for you and get started securing your business today.

	Deadbolt	Strongbox	Vault
24x7 Help Desk	✓	✓	✓
Remote Monitoring and Management	✓	✓	✓
Software Patch Management	✓	✓	✓
IT Procurement Assistance	✓	✓	✓
Account Reviews	Annual	Bi-Annual	Quarterly
Dark Web Monitoring		✓	✓
Endpoint Detection and Response		✓	✓
Email Security		✓	✓
Disaster Recovery		✓	✓
Cloud Backup		**Workstation** Files and Folders	**Cloud Services & Workstation**
MFA		Bundled Tools	Full
Security Awareness Training			✓
24/7/365 Security Operations Center			✓
Compliance			✓
Penetration Testing	For Additional Cost	For Additional Cost	✓
Mobile Device Management	For Additional Cost	For Additional Cost	For Additional Cost
Per Seat Price	**$110**	**$135**	**$165**
On Boarding (Waived with Contract)	**$1,000**	**$2,000**	**$3,000**

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Plan Details

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24x7 Help Desk
Your team is robustly supported by our Help Desk experts, who are available 24x7 to respond to email, chat or phone queries, offer technical support, answer questions and resolve issues that arise. All Help Desk staff reside in our service area. They learn your business and business model, then adapt and improve to offer superior service unlike any other firm.

Remote Monitoring and Management
We partner with industry leader Kaseya, leveraging Kaseya VSA, an all-in-one endpoint protection solution for remote monitoring and patch management of your systems.

Network Management
We partner with Cisco Meraki to offer a cloud-enabled software-defined network with the latest advances in network security protection. Most recently we have implemented rules for all of our customers to block Russian, Belarusian and North Korean cyberattacks with rules to disable access for the entire country to your network.

Software Patch Management
One of the most fundamental protections any firm can enact, our patch management service curtails risk by ensuring that commonly targeted software is fully patched and up to date. The service is provided seamlessly through patch automation scripts that rely on the Kaseya VSA product line as well as Microsoft Active Directory.

Account Reviews
We leverage Microsoft PowerBI, ScalePad and other tools to provide a snapshot of support volume and resolution times as well as hardware inventory and aging to support your hardware refresh efforts proactively and more cost-effectively. Additionally, our technology experts review your account annually and make recommendations to enhance your security, productivity, cost efficiency or all three.

Dark Web Monitoring
Our service scans the Dark Web, looking for telltale signs of stolen personal and corporate information clients' data. We deploy the Kaseya ID agent for this solution which also will proactively notify you of credential breaches so you can render the information useless to thieves.

Endpoint Detection and Response
Endpoint detection and response (EDR), aka endpoint threat detection and response, continually monitors all corporate "endpoints," such as users' computers or devices, to mitigate malicious cyber threats. For this service, we deploy and manage industry leader Sentinel One to go above and beyond traditional anti-virus protection.

Cloud Backup
We deploy Acronis to ensure all sensitive data is backed up to the cloud immediately, where it resides on nine highly certified, annually audited, secure colocation facilities that follow all cybersecurity best practices. In addition, we partner with Egnyte for legal firms to offer backups that meet legal compliance rules (additional cost).

Security Awareness Training
This essential service helps employees understand proper cyber hygiene, recognize the security risks their actions can trigger, such as data breaches, and identify attacks that may target them via email and the web. To ensure users absorb and retain this information, we offer new and existing users packaged, web-accessible training on the appropriate ways of accessing and securing information in a very dangerous environment.

SIEM (Security Incident & Event Management)
In tandem with the support offered by our Security Operations Center, we license a product from Kaseya called Rocket Cyber, which proactively scans log files from network devices and notifies our security teams of suspicious behavioral patterns.

Compliance
We evaluate operations, security and employee policies for compliance (PCI DSS, SOX, HIPAA) to protect your firm and its assets. Fully committed to supporting your firm in every possible way, Carmichael will actively participate in any third-party compliance reviews and implement necessary changes to the environment.

24/7/365 Security Operations Center (SOC)
Our highly trained/certified information security team monitors systems and networks 24/7/365, detecting and analyzing questionable activity and ensuring intrusions are blocked before they become breaches.

Disaster Recovery/Business Continuity
Two service options allow you to choose document backup only for up to 28 days or a full, bit-for-bit copy of all computer data for a potentially unlimited period. Both work seamlessly with no user disruption.

Email Security
Three layers of state-of-the-art (polymorphous) scanning protect 24/7/365. Suspicious email is captured for investigation/compliance. Advanced outbound filtering blocks forwarding of internal spam and/or attacks.

IT Procurement Assistance
Our highly seasoned experts help organizations purchase hardware and software at the most advantageous pricing while also helping to manage those vendor relationships.

Mobile Device Management
From smartphones to tablets and laptops, our experts train users on the safe operation and proactively manage their devices, including synching with PCs, resetting passwords and wiping data if a device is lost/stolen.

Penetration Testing
Often referred to as pen testing, this network security evaluation will attempt to breach systems to expose security vulnerabilities that could enable malicious attacks to succeed.