

SMB IT Security

A PRIMER FOR SMALL AND MID-SIZED BUSINESSES

What is IT Security?

- *IT Security is Cybersecurity.*
- *Cybersecurity is IT Security.*

Definition

Cybersecurity is the practice of deploying people, policies, processes and technologies to protect organizations, their critical systems and sensitive information from digital attacks.

Why should I care?

- *If you don't care, no one in your company will.*
- *No business is too small. Small and mid-sized businesses are the number one targeted segment of cybercrime.⁽¹⁾*
- *It's not a question of **if** you will be attacked, it's a question of **when**.*

(1) Source : <https://www.cloudwards.net/cyber-security-statistics/#Sources>



How big is the risk?

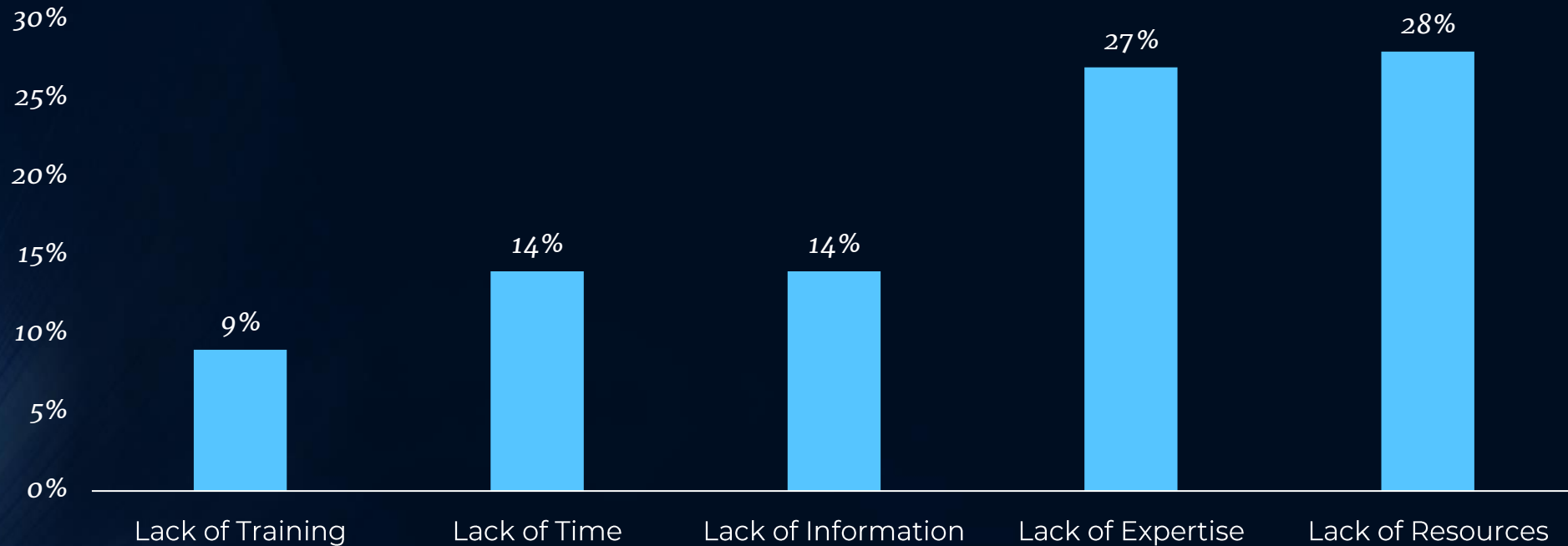
- The rate of cybercrime increased by **600%** during the COVID-19 pandemic.⁽²⁾
- The **financial sector** suffered the largest financial losses in 2020.⁽³⁾
- The total cost of all cybercrime damages in 2021 is expected to amount to about **\$6 trillion** worldwide.⁽²⁾

(2) Source : <https://www.businessinsider.com/top-un-official-warned-of-cybercrime-spike-during-pandemic-2020-5>

(3) Source : <https://www.cloudwards.net/cyber-security-statistics/#Sources>

Why is this happening?

Reasons SMBs Don't Implement Cybersecurity



Source: <https://www.isdecisions.com/it-security-advice-smb/>

What is a cyberattack?

The most common cybersecurity attacks vectors are:

- *Phishing and social-engineering-based attacks*
- *Internet-facing service risks (including cloud services)*
- *Password-related account compromises*
- *Misuse of information*
- *Network-related and man-in-the-middle attacks*
- *Supply chain attacks*
- *Denial-of-service attacks (DoS)*
- *Ransomware*

How does cybersecurity help?

Effective Cybersecurity uses IT Control Systems to form the technical line of defense against cyberattacks including:

- *Network and perimeter security*
- *Endpoint/Device security*
- *Application Security*
- *Data Security*
- *Identity and access management (IAM)*
- *Zero trust architecture*

IT Security Professionals implement these Control Systems to provide ongoing protection against cyberattacks.

Why does cybersecurity fail?

- *Lack of adequate controls*
- *Absence of security capability benchmarks and metrics*
- *Inadequate staff training*
- *Increasing volume and complexity of attack vectors*

Is there any good news? Yes. Yes, there is.

- *SMBs can sensibly achieve enterprise caliber IT Security.*
- *New and better tools are emerging every day to help SMBs secure their business and improve operational efficiency.*
- *Managed Security Service Providers (MSSP) are implementing services specifically designed to assist SMBs like you.*



What kind of services do I need?

Standard Cybersecurity Services fall into several categories:

- *Remote Monitoring and Management (RMM)*
- *Proactive Scanning (Pentest and Vulnerability)*
- *IT Support/Training*
- *CISO (Consulting)*

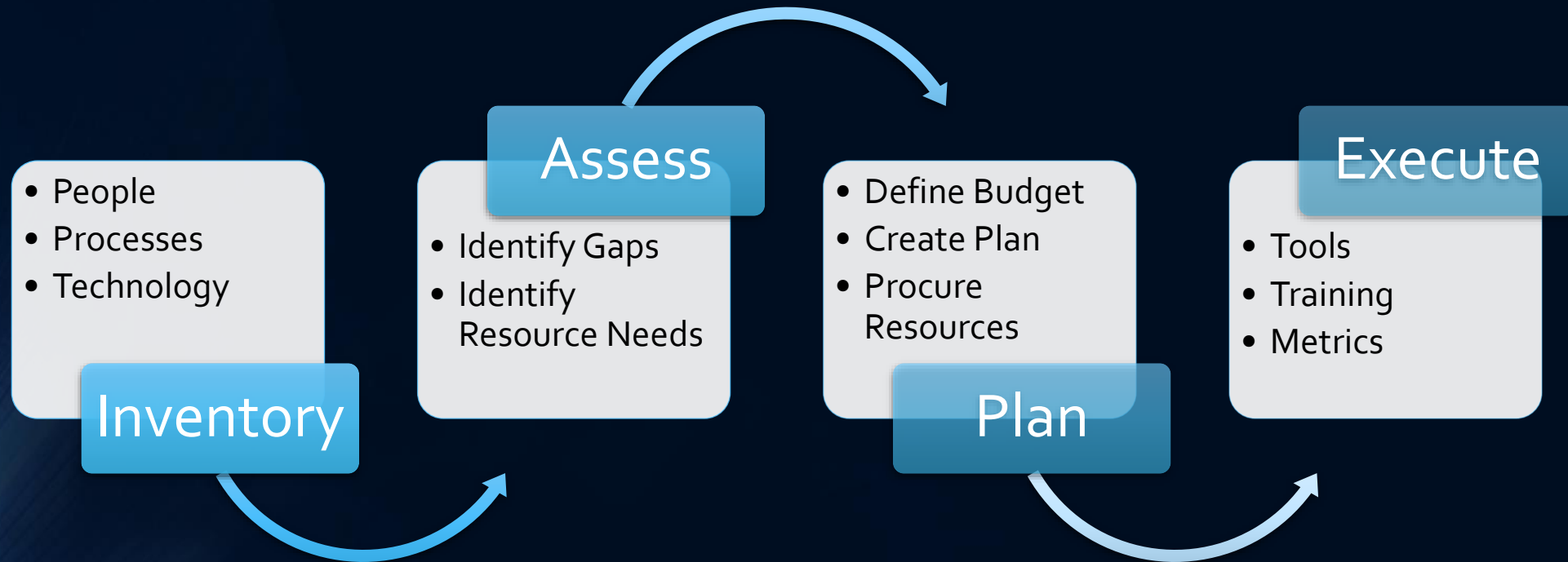
The right services for your business will be a mix of these depending on your needs.

How much should I budget?

RMM Service (\$50) + IT Support (\$100) = \$150/mo./user

- *Smaller teams (less than 10 users) should anticipate a cost of \$50/mo./device for a complete Remote Monitoring and Management solution. Larger teams can anticipate volume discounts, but for budgeting purposes \$50/mo./user is a solid number.*
- *IT Support for event mitigation can vary by service provider. But these resources are the most critical as they have the expertise to mitigate events when they happen, reduce the impact of events, and prevent long-term service disruption and even IP theft. For budgeting purposes, you should anticipate 1 hour/user/mo. for IT Support at an average rate of \$100/hr.*

What should I do next?



OK. I'm ready. Where do I start?

- *Schedule a complementary IT Assessment with CMHWorks and let us help you identify your needs.*
- *Email: info@cmhworks.com*
- *Phone: [+1 540 566 5620](tel:+15405665620)*
- *Web: <https://cmhworks.com>*

Sources & Further Reading

- [Mike Harvey - Correct Your Posture: Information Security Essentials for Budget-Minded Businesses — Part 1 of 2](#)
- [Mike Harvey - Correct Your Posture: Information Security Essentials for Budget-Minded Businesses — Part 2 of 2](#)
- [CMHWorks - Cyber Security in an Increasingly Digital Workforce](#)
- [Gartner - What Is Cybersecurity?](#)
- [Gartner - 3 Steps to Stop Employees From Taking Cyber Bait](#)
- [Top Cyber Security Statistics, Facts & Trends in 2022](#)