Evolving Cyber Attacks

IN A POST-PANDEMIC AGE

Attacks Are Getting Smarter. How Can You Adapt?

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8 Cyber Attack Facts
You Need To Know

80%+ Of all cyberattacks are phishing attacks

90% Of cyberattacks resulting in data breach begin with a phishing email

600% Increase in attacks since the start of the COVID-19 pandemic

#1 The biggest cyber attack period in history

65% Of organizations have experienced an attack in the last year

75% Of targets are found through web searches or common email address formats
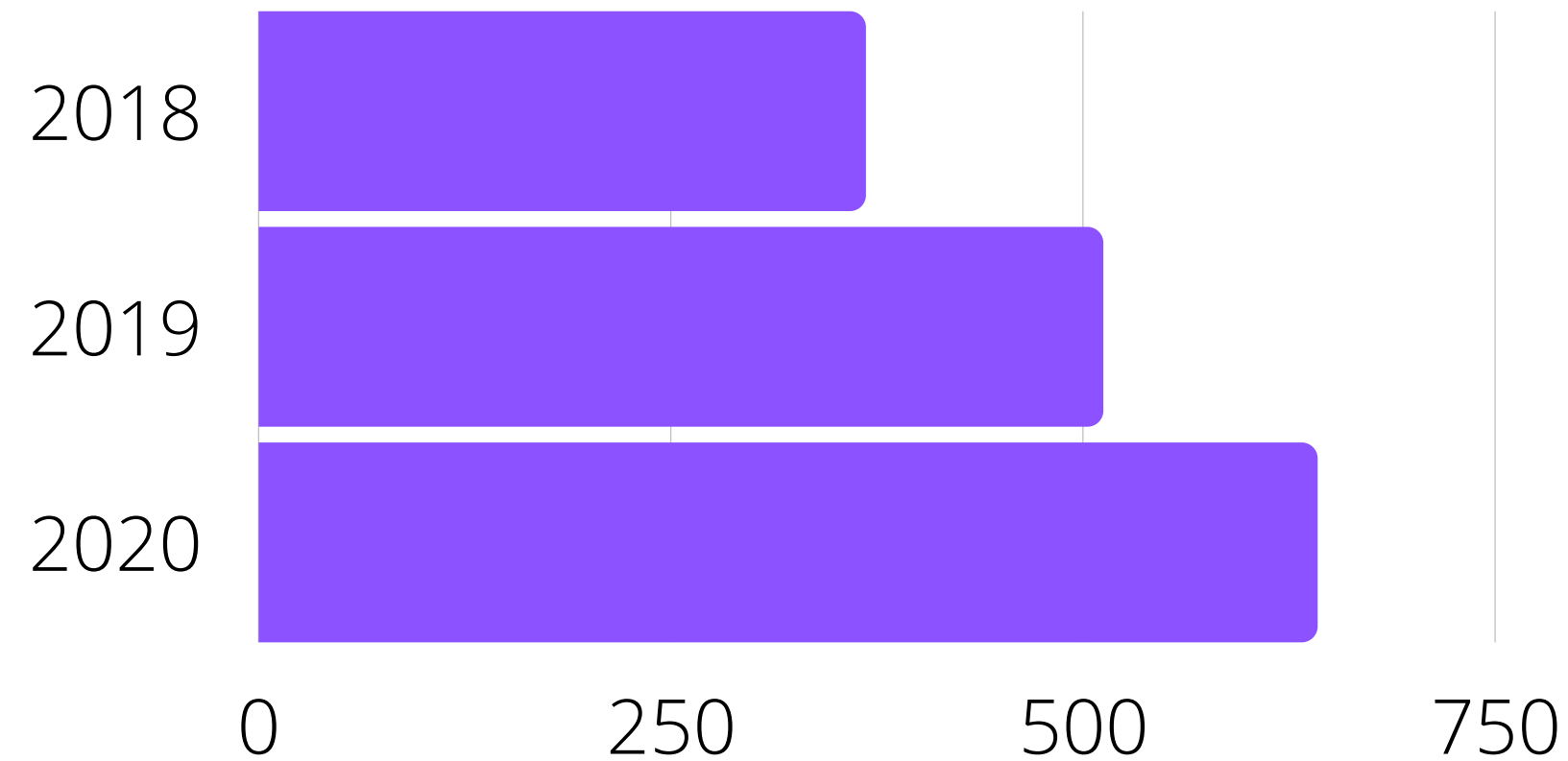
EVERY 39 SEC. A new attack is attempted

94% Of phishing emails use malicious file attachments as the payload or infection source

Healthcare In The Cross-Hairs

AMOUNT OF HEALTHCARE BREACHES OF 500+ RECORDS
source: hippajournal.com

Year	
2018	
2019	
2020	

0　　　250　　　500　　　750

The increasing risk of cyber threats is too high to ignore.

The coronavirus pandemic created a huge need for business providers to make more services virtually accessible to customers and patients. In their rush to rapidly expand capabilities, hospitals in particular became more vulnerable to several cybersecurity threats. As more data flows online, **all industries and their people are now at risk.**

Security Threats Get Smarter

RANSOMWARE

Ransomware attack volumes have grown 109% YoY in the U.S., in part due to the pandemic.

BOTS

Malicious bots scan vulnerable systems for entry points or overwhelm web applications or APIs with an impossible number of requests at one time.

DATA BREACHES

Companies that store financial information are at risk from hackers who pull identities to sell on the dark web.
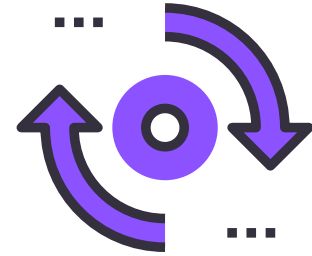
PHISHING

Emails can contain viruses or other malicious content and are disguised as something innocuous, like a request to confirm information or open an attachment.

How Do You Protect Yourself?

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Comprehensive
**SECURITY
ASSESSMENT**

Update
**SECURITY
SOFTWARE**

Stay Aware Of The
**LATEST GLOBAL
HACKING ATTEMPTS**

Actively Monitor
**ALL END
POINTS**

Successful cyber security cannot be done alone.

What is your plan of action *when* an attack occurs to neutralize the threat?

Companies are coming to us to better protect their company. The perimeter of your digital systems become extremely vulnerable if it's not being actively monitored by IT security professionals or consistently updated security software.

Threat are minimized by leveraging machine learning and artificial intelligence, strategically grouping assets, and implementing immediate and intensive responses to each detected threat.

Looking for the importance of protecting yourself in an increasing world of cyber attacks?

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"Attackers are getting smarter every day, A company may be able to remove them at one point in time, but attacks always come back with some other type of technique. You have to stay on top of your game. It's important to continuously put the latest protection or upgrades to your system so that you can be protected at the highest level."

Maurice Hamilton, CEO

Expert Teams + Automated Systems

REALTIME PROTECTION

Staying ahead of today's sophisticated cybercriminals requires **managed web security and regular patching**, which cannot be automated.

A CULTURE OF SECURITY

As hardware and software are updated, their **users must stay informed** of any changes that will affect safe usage.

DISASTER PREPAREDNESS

Segmentation and incident response workflows should be automated in order to **identify, contain, and remove threats** as quickly as they break in.

The Power Of Artificial Intelligence To Enhance Your IT Functions

Artificial Intelligence

This emerging technology is used to build computer systems which have the capabilities to perform tasks that normally require human intelligence. These tasks include visual perception, speech recognition, decision-making, and translations between languages to work and react like human workers.

Robotic Process Automation

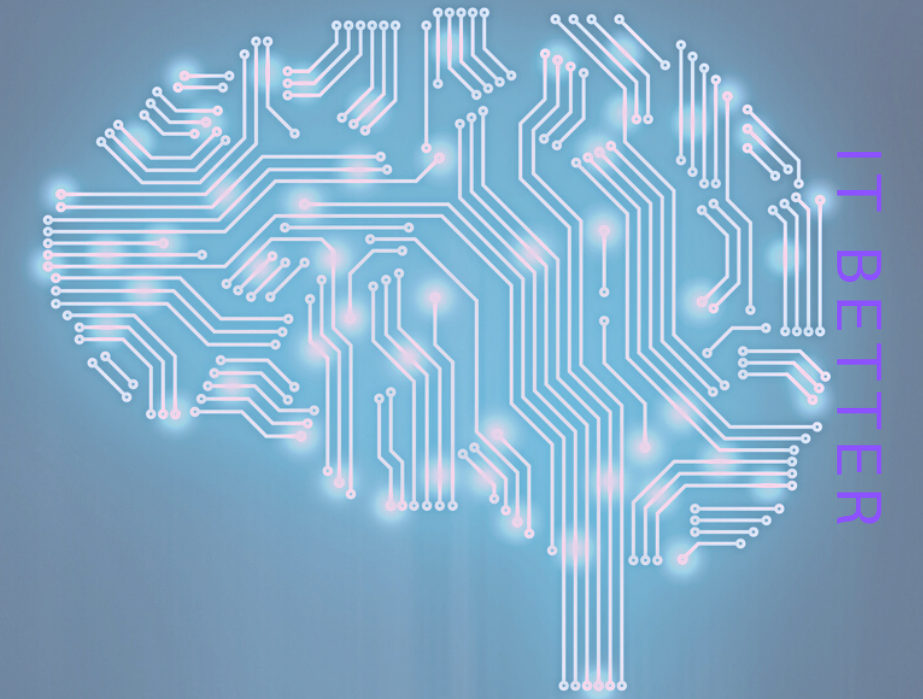Computer-based programs can take over repetitive, mundane tasks.

Machine Learning

AI collects data and uses to "learn" how to accomplish tasks.

Natural Language Processing

Software programmed to understand human speech and respond appropriately.

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The Power Of Blockchain To Enhance The Safety Of Your IT Functions

A blockchain is made up of a string of "blocks" -- a record of transactions of specific data. This data can include anything from finances, personal records, medical patient information or other sensitive data.

When one block is created, it can no longer be updated with new data, by the original creator or another user. It is added to the chain and new block is formed.

When is Blockchain Used?

- ⊘ Process transactions safely and quickly
- ⊘ Protect data sharing and storage
- ⊘ Transparency with business partners and customers
- ⊘ Exchange cryptocurrency or digital finances
- ⊘ Proof of authorship or ownership
- ⊘ Peer-to-peer style business models
- ⊘ Authenticity (transactions cannot be changed once published)
- ⊘ Audit transaction trail and origin

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The Power Of Business Analytics For The Solar Wind Industry

In the solar wind industry, companies are collecting better data to compete and better serve their customers.

We've seen that better data collection and being able to test the data's protection leads to increase sales.

Business Analytics Lifecycle

01 Collect Data

02 Cleanse / Process Data

03 Analyze / Report Data

04 Create Model

05 Deploy Model

06 Identify Insights

Business Analytics

Compile and analyze historical and current data to **answer the "why" of your operations**. Model future trends and opportunities. Predict potential business risks before they happen.

✓ Mine your data for insights

✓ Build systems to manage data

✓ Leverage machine learning and advanced modeling

✓ Anticipate winning strategies, products, investments

Keep Your Digital Information Safeguarded From Today's Ever-Evolving Cyber Threats

For the most comprehensive protection, cyber security solutions need to be paired with tailored management strategies by seasoned IT security professionals.

In today's increasingly digital-driven world, it's never been more important for the success of your business to keep your patients' and customers' information and your own systems secure with real-time protection from ransomware, bots, data breaches, and phishing.

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