WHAT CAN YOU DO TO PREVENT A CYBER ATTACK ON YOUR DATA AND COMPUTERS?

PREVENT COSTLY OVERSIGHTS WITH MANAGED IT SERVICES

ENSURE IT SYSTEMS ARE SECURE & UP-TO-DATE

RESTECH SOLUTIONS

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ABOUT RESTECH SOLUTIONS

- Founded in 2011 by David Levine
- Provide managed IT services
- Serve small businesses with up to 50 employees
  - Will work with most industries
  - Currently not working with healthcare, government, or non-profits
- Serve all our clients' needs either in-house or through our network of partners

WHAT WORRIES YOU THE MOST ABOUT A POTENTIAL CYBERATTACK AND THE LOSS OF DATA?

PUT YOUR ANSWER IN THE CHAT

KEY TOPICS

Recent Security Breaches

Top SMB Security Threats

7 Prevention & Mitigation Solutions

End-to-End Device Management

WHAT IS THE #1 THREAT TO A BUSINESS?

PUT YOUR ANSWER IN THE CHAT

RECENT SECURITY HEADLINES

- SMB Cybersecurity Report: 75% Have Had At Least One Breach
- SMBs Are At High Risk For Cybersecurity Attacks
- 28% Of Data Breaches In 2020 Involved Small Businesses

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RECENT SECURITY HEADLINES

- Kaseya – Supply Chain Attack over the July 4th Weekend

$70 MM

- Western Digital Hack – June 2021

$4.4 MM

- Colonial Pipeline – Ransomware Attack May 2021

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TOP CYBERSECURITY THREATS

TOP SECURITY THREATS
DATA THEFT, EXPOSURE & LOSS

RISK OR THREATS TO YOUR CUSTOMERS' (CONFIDENTIAL/PRIVATE) INFORMATION AND DATA

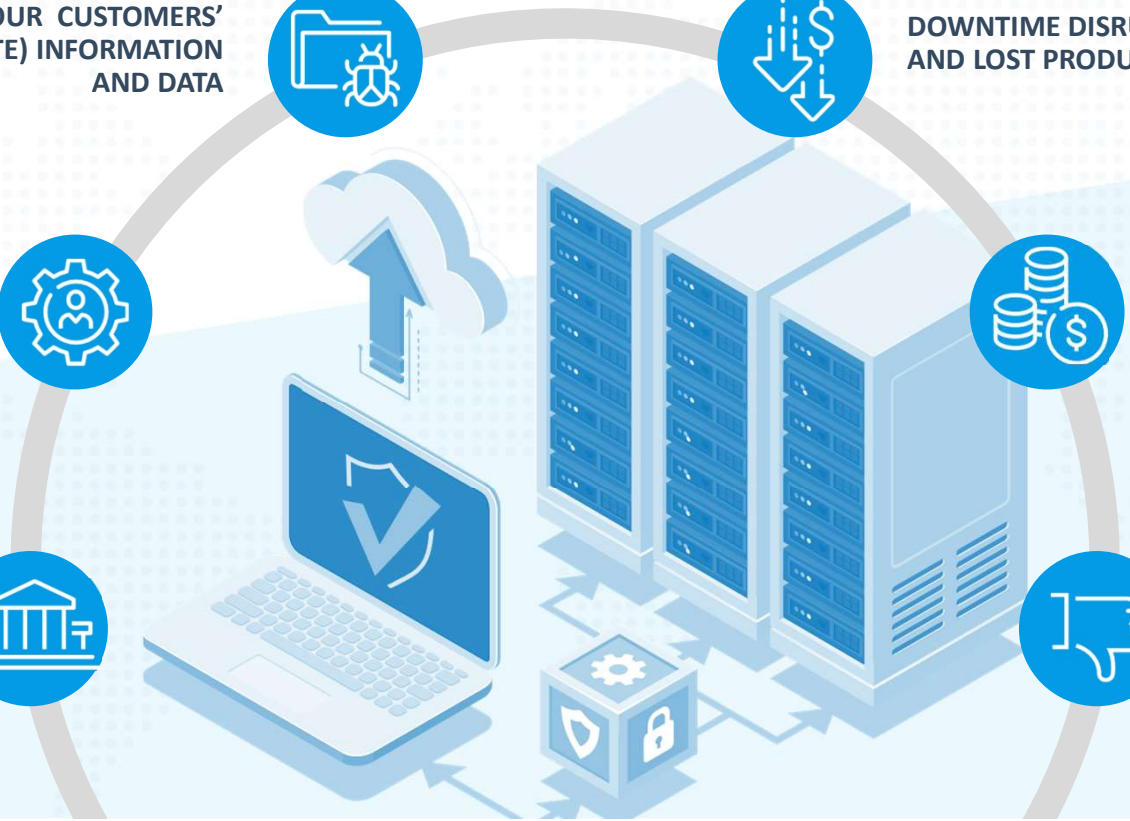
DOWNTIME DISRUPTION AND LOST PRODUCTIVITY

COMPETITIVE ADVANTAGE OR CORPORATE ESPIONAGE

LOSS OF CUSTOMERS AND FUTURE BUSINESS

EXPOSURE TO LEGAL ACTION OR REGULATORY PENALTIES

BRAND OR REPUTATION DAMAGE



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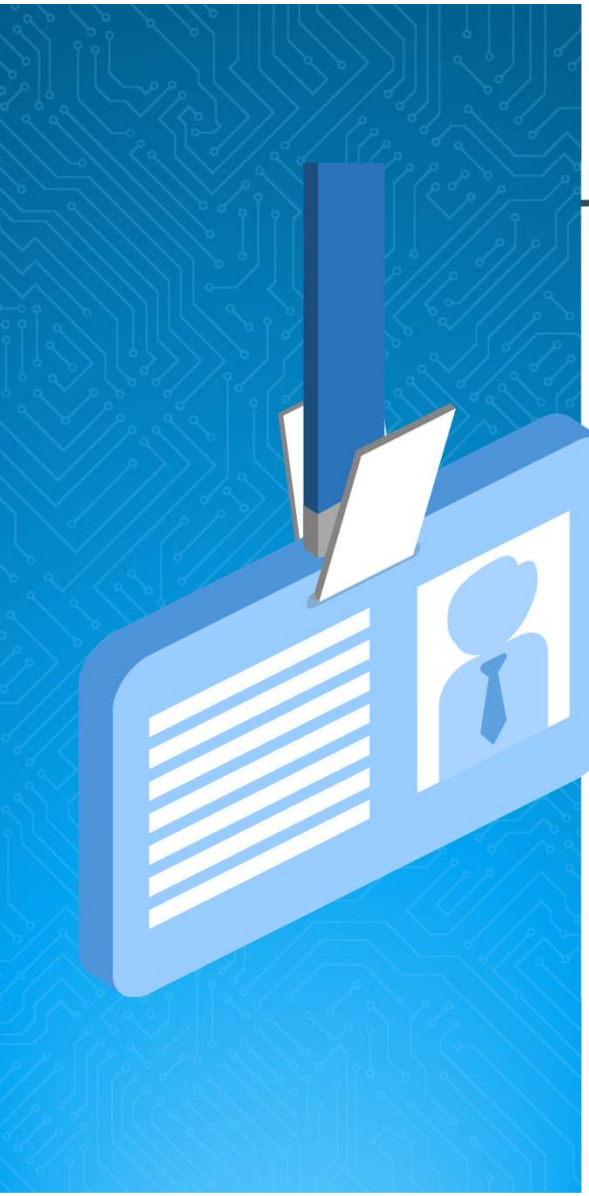


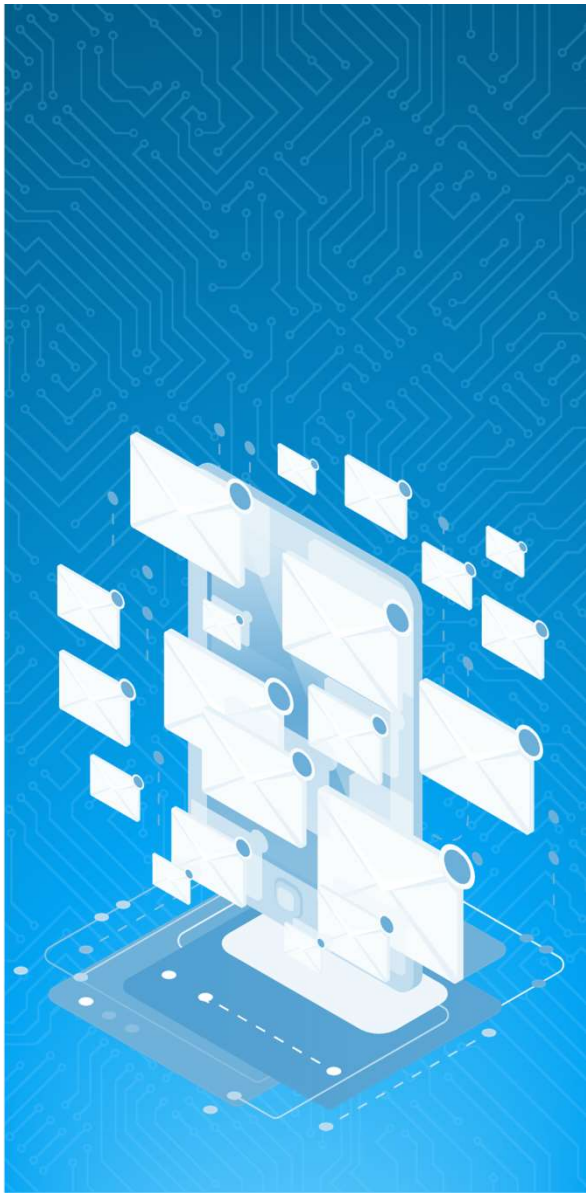
INSIDER THREATS

63% of insider-related incidents can be traced back to negligent or careless users.

TOP SECURITY THREATS

Business Email Compromises

"Over a third of respondents (36%) were not confident that employees at their organizations would be able to spot and avoid an email phishing attack in real time." [1]



PHISHING EMAIL EXAMPLE

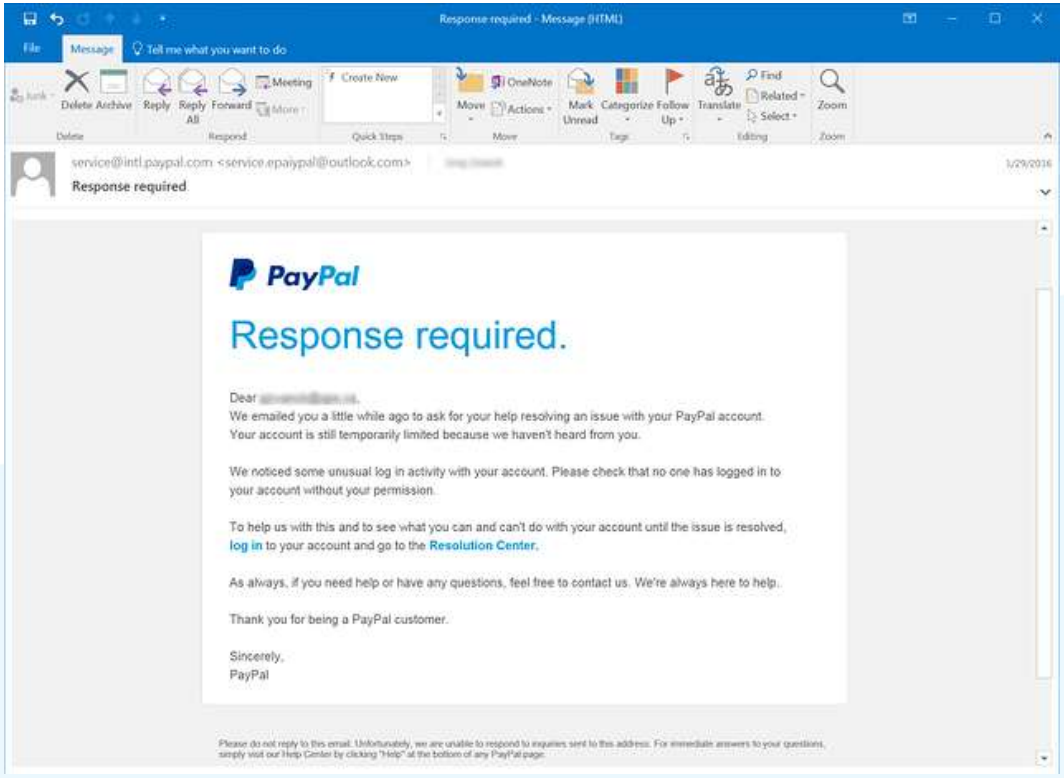


Image from phising.org

TOP SECURITY THREATS

Phishing

Beware of phishing attacks that attempt to obtain sensitive information, such as usernames, passwords, or credit credentials, under the guise of a trustworthy entity.

TOP SECURITY THREATS

Spear-Phishing

Phishing has evolved into “Spear-Phishing” a more targeted version of traditional phishing, through which hackers spend time getting to know you via social media.

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– TOP SECURITY THREATS

Ransomware

Ransomware is a type of malware that locks your computer screen and prevents you from accessing your computer or data until you pay a ransom. While ransomware has long been one of the main cyberthreats to businesses, the past 6 to 18 months have seen organizations more exposed than ever before.

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IT COULD TAKE OVER 200 DAYS TO DISCOVER A COMPROMISE OR BREACH ON YOUR NETWORK

THE AVERAGE RANSOMWARE DEMAND IN 2021 Q1 WAS $220,298 THIS IS A 43% INCREASE FROM THE PREVIOUS QUARTER

KNOW THE #1 SECURITY THREAT TO YOUR BUSINESS?

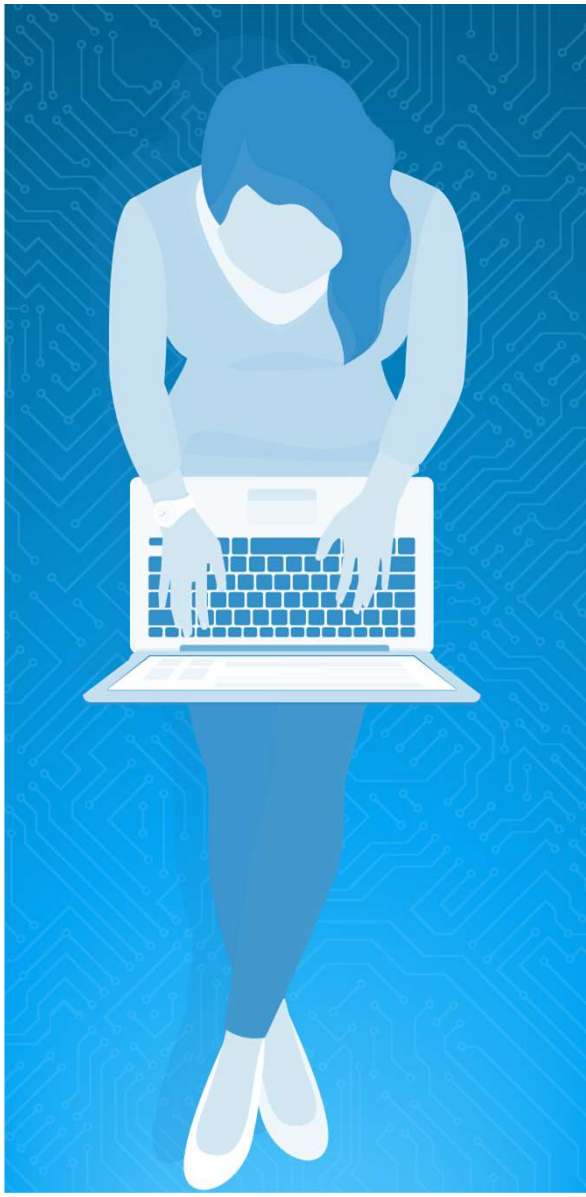
THE #1 SECURITY RISK TO YOUR BUSINESS

PEOPLE!

Human error is a major factor in breaches.

This includes:

- Misaddressed emails
- Lost or stolen devices
- Confidential data sent to unsecured home systems



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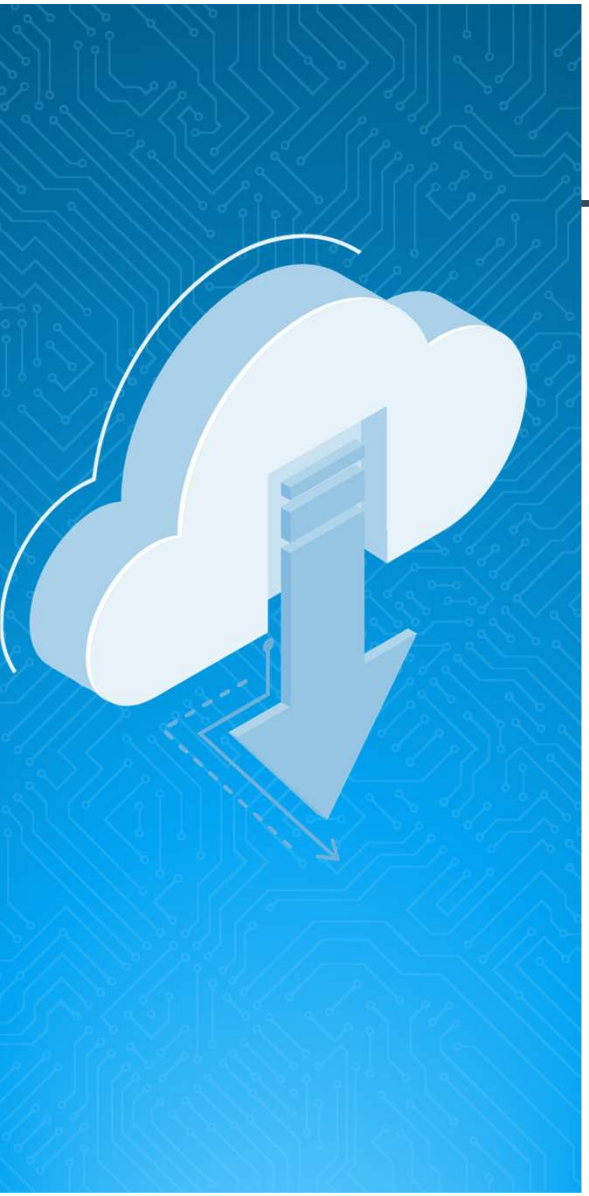
7 PREVENTATIVE TECHNOLOGIES & SERVICES



1. PATCH MANAGEMENT

Automate System Updates

Patching is the process of repairing system vulnerabilities discovered after the infrastructure components have been released in the market. Patches apply to many different systems including operating systems, servers, routers, desktops, email clients, mobile devices, firewalls, etc.

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2. NETWORK PERIMETER/ EDGE SECURITY

Next-Generation Firewalls & Anti-Virus & Anti-Malware Tools:

- DON'T rely on the modem supplied by your ISP – It is NOT a FIREWALL!
- Consumer-grade devices DON'T provide adequate protection. There's a reason they're so cheap.
- Install a business-grade firewall with Active Threat Management (ATM) Software.
- Make certain your firewall is configured correctly.

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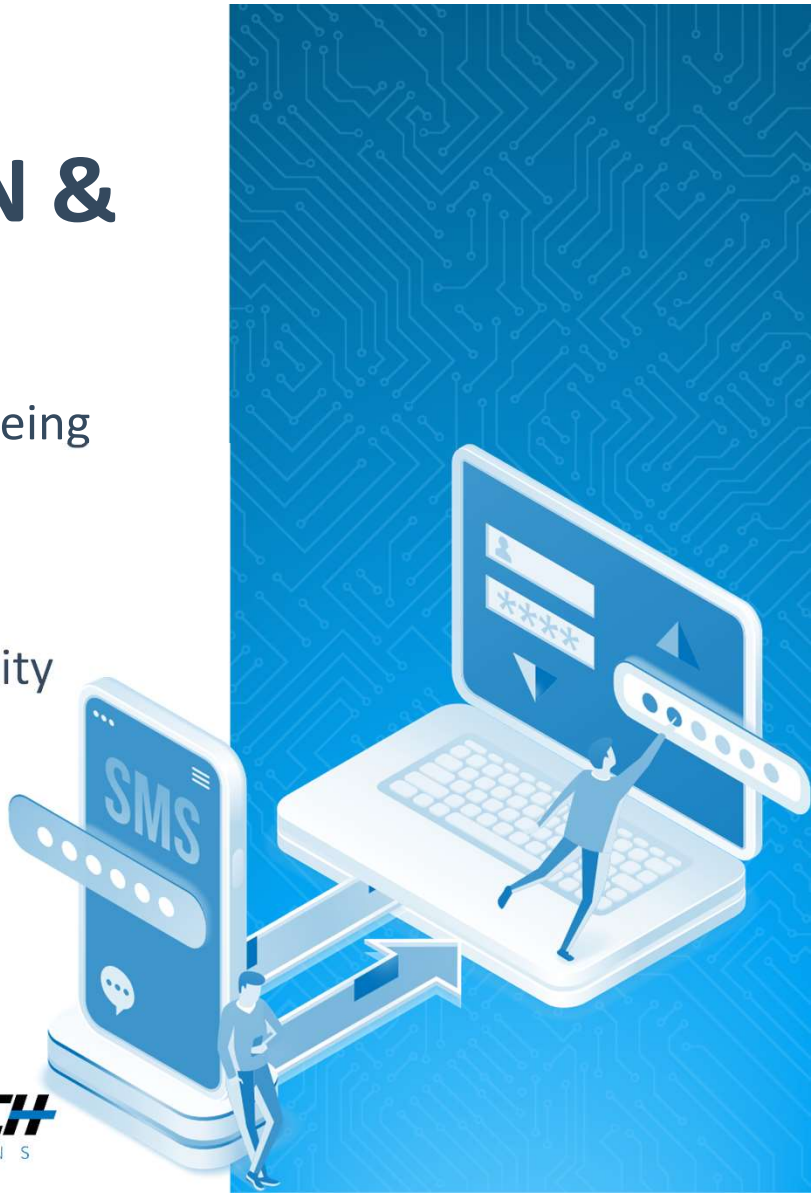
3. ACCESS & PERMISSION CONTROLS

Implement the Principle of Least Privilege

Only the right users have access to the necessary systems, applications and data. Admin or full permission privileges are restricted to only those expressly necessary for staff, employees and third-party vendors or suppliers.

4. IDENTITY AUTHENTICATION & PASSWORD SECURITY

- Most passwords today are too guessable or are being sniffed or captured by hardware from software keyloggers.
- 2FA or MFA are a combination of individual security factors required simultaneously to prove a user's authentic identity.



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5. REGULAR SECURITY RISK ASSESSMENTS

- Don’t just assume that your firewall, anti-virus, and anti-malware solutions are doing the job. Be certain.
- Security is not a one-and-done effort.
- The security landscape changes daily.
- Vulnerability scans should be run at least monthly to confirm the security of your network.

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6. ADVANCED EMAIL SECURITY

- Email is often the gateway to your network.
- Effective anti-spam software is essential to keeping malware at bay.
- Most email providers include anti-spam software, but it needs to be carefully tuned to be effective.
- On-premises email servers and some hosted environments need third-party software (and updates).

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7. SECURITY AWARENESS TRAINING FOR EMPLOYEES

The #1 Security Risk is "*the unit between the desk and the chair.*" Regular education and constant vigilance will do more for your security than all the security software in the world.

END-TO-END DEVICE MANAGEMENT

CENTRALIZED DEVICE MANAGEMENT

We Manage

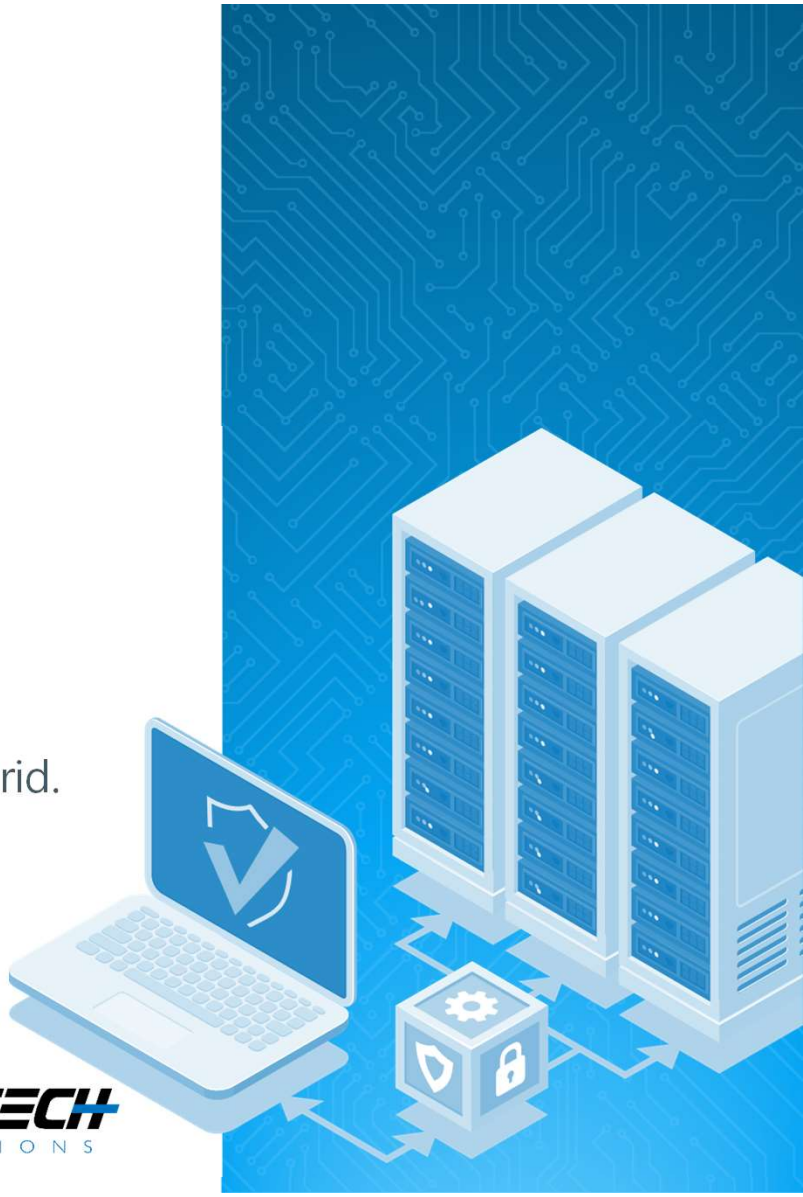
ALL DEVICES including mobile, business IoT, & beyond.

We Cover

ALL ENVIRONMENTS on premise, in the cloud, and hybrid.

We Perform

ALL FUNCTIONS in a single, easy-to-use interface.



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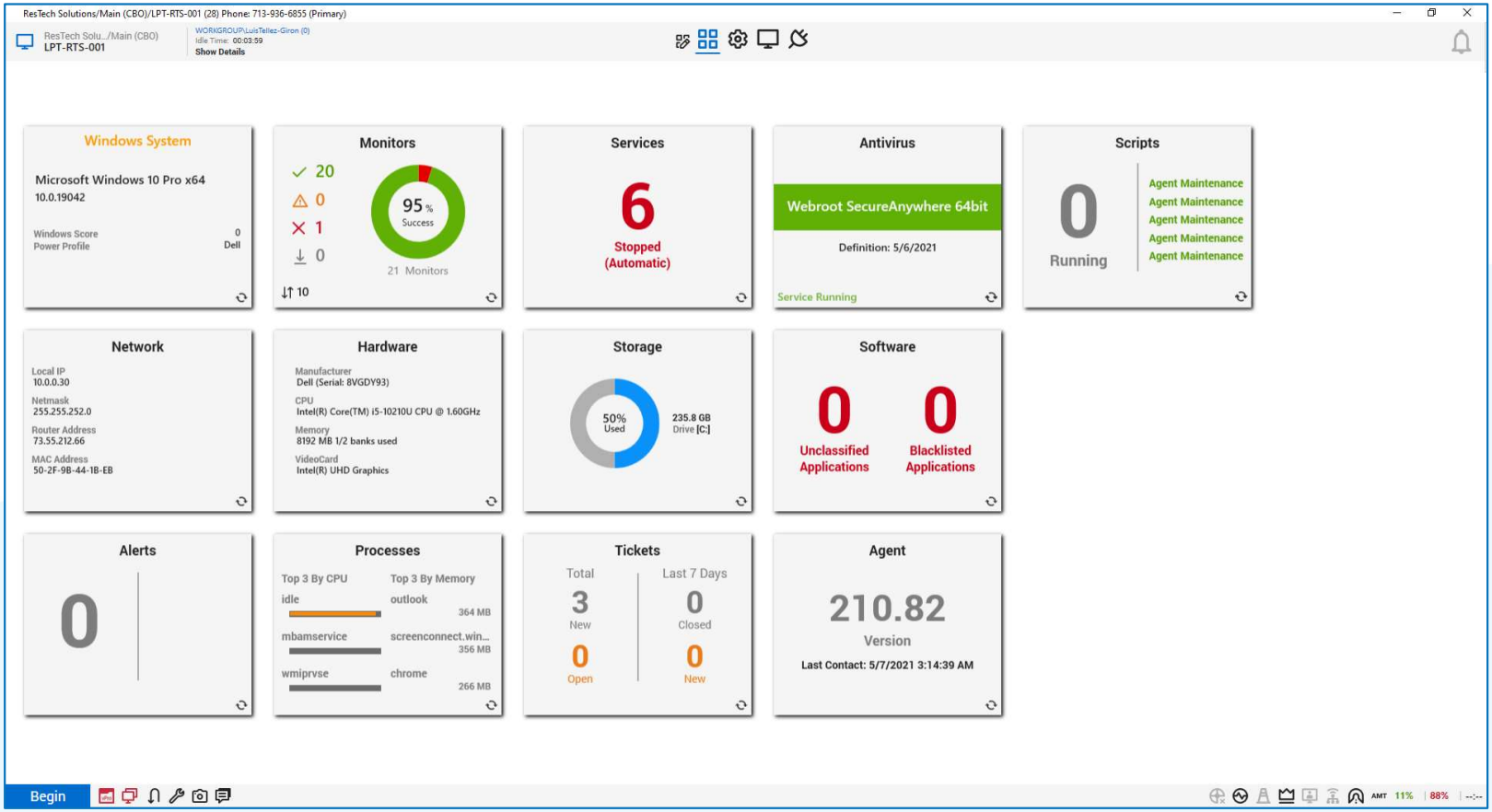
PREVENT COSTLY OVERSIGHTS WITH MANAGED IT SERVICES

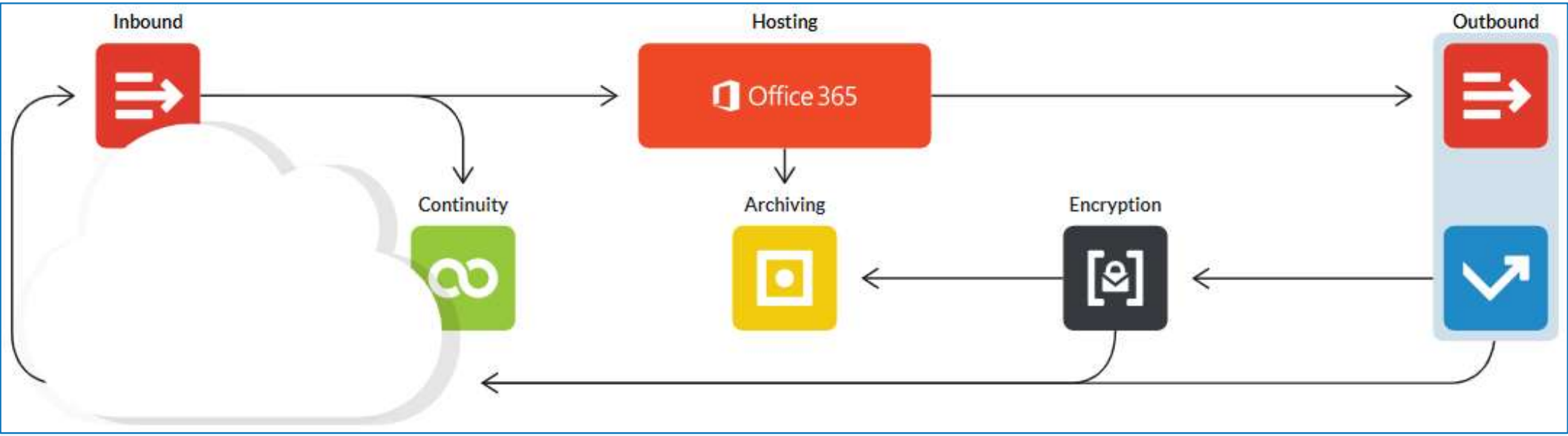
– RESTECH SOLUTIONS' SERVICES

- **Managed Services** - System monitoring & support with KB portal, client portal, & service/billing portal
- **Email Protection** – Filtering/Spam & Phishing protection, Microsoft 365 & Google Workspace backups
- **Cyber Security Platform** – Training, policies & procedures, simulated phishing attacks, dark web monitoring, incident tracking
- **Managed SOC Services** – Combo via our advanced AV solutions and SOC services
- **Web Filtering** – Traditional and granular filtering with productivity monitoring
- **Backups services** – File/Folder backups & sync as well as managed backups or disaster recovery backups
- **Managed Networking** – Advanced networking solution that is fully managed, cloud console, & alerts
- **Reputation Management** – System to help encourage more happy customers to leave reviews, review monitoring

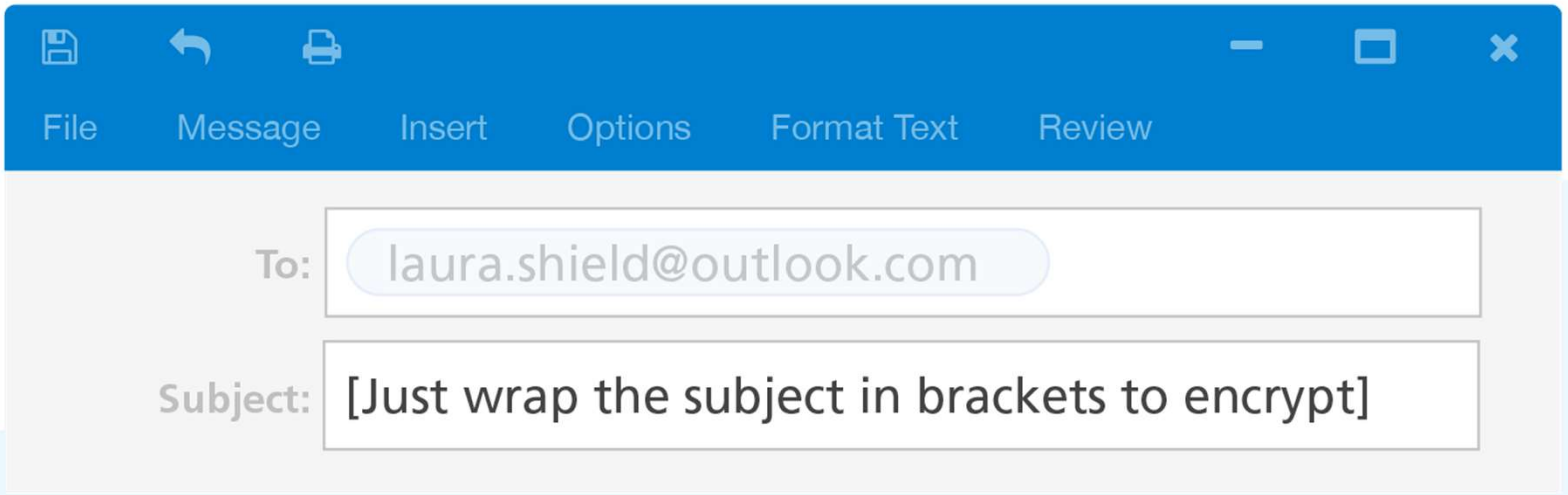
MANAGED SERVICES



EMAIL PROTECTION

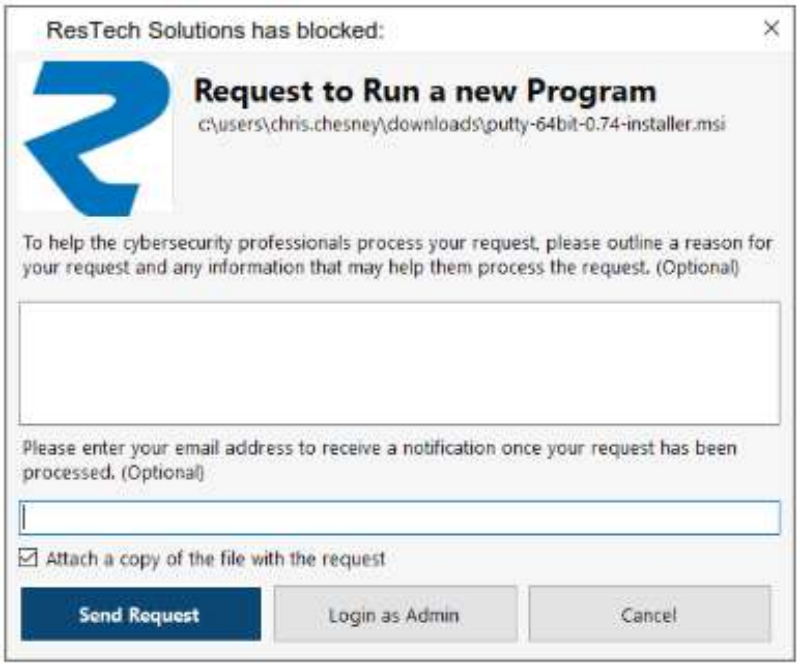


EMAIL PROTECTION – ENCRYPTION



CYBERSECURITY PLATFORM

ZERO TRUST PROTECTION

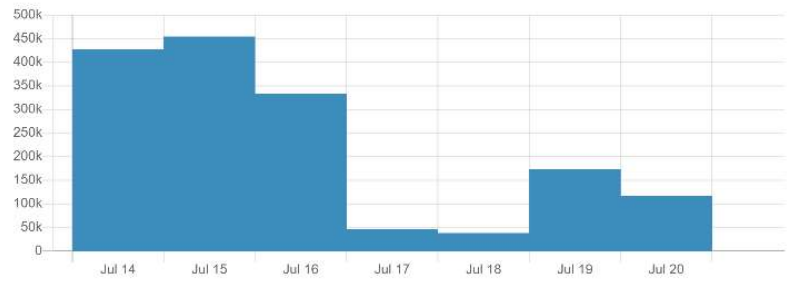


WEB FILTERING

Activity Summary

TOTAL HTTP REQUESTS	TOTAL ACTIVE CUSTOMERS	TOTAL ALLOWED REQUESTS
1,590,947	4	1,354,448
TOTAL BLOCKED REQUESTS	**DATA TRANSFERRED**	**DOMAINS ACCESSED**
236,478	1.68 GB	2,152

ALL REQUESTS / TIME



TOP CATEGORIES

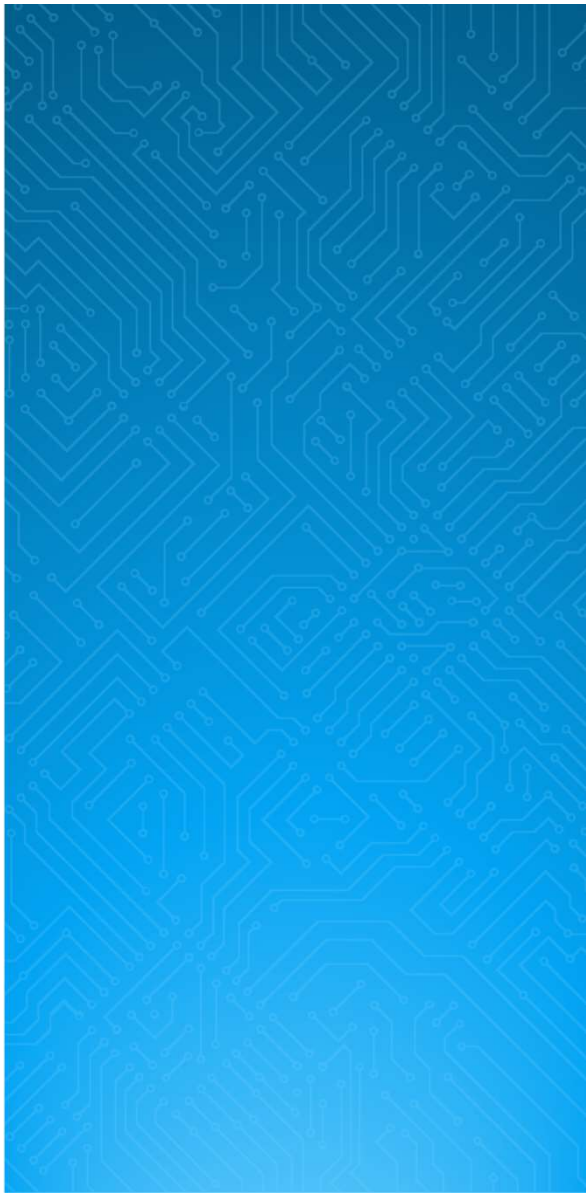
Computing & Internet	598304
Advertisements/Banners	233275
Business & Commercial	200529
Content Delivery Networks & Infrastructure	156430
Search Engines & Portals	118084
DDNS	99950
Streaming Media	69583
Shopping/Retail	65505
Facebook	47331
Social Networks in General	44548

TOP DOMAINS

xfinity.com	120619
google.com	107579
dns.google	97008
yahoo.com	57130
office.net	44950
msn.com	33659
doubleclick.net	30588
facebook.com	29733
amazon.com	28660
purechat.com	28270

BENEFITS OF MANAGED IT & CYBERSECURITY SERVICES

- Peace of mind knowing your data and computers are being monitored 24/7 by a professional reliable service provider who cares about your company.
- We offer knowledgeable and up-to-date technical professional service that watches out for your data even in the middle of the night while you are sleeping soundly.
- Don’t lose money from hackers that want to steal your data and put a huge ransom on your system to get it back (and there are no guarantees you’ll get your system/data back).
- We don’t just set it (monitoring) and forget it…we keep up with all the technology trends and services to keep your system up-to-date and warn you about any gaps in your systems and computers.



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PREVENT COSTLY OVERSIGHTS WITH MANAGED IT SERVICES

BENEFITS OF MANAGED IT & CYBERSECURITY SERVICES

- Don’t lose money on an IT employee…our affordable service costs 30-60% less than an employee’s salary and benefits. Many IT professionals don’t have time to stay on top of the latest like we do.
- Our weekly newsletter keeps you current and informed about technology. Learn what the insiders know about your data…..or let us keep track and monitor it.
- We protect your reputation that could cost thousands of dollars and take years to repair.
- We train your employees on email phishing schemes and causes of data breaches. And if they forget, our monitoring systems are still on duty on your servers and computers.

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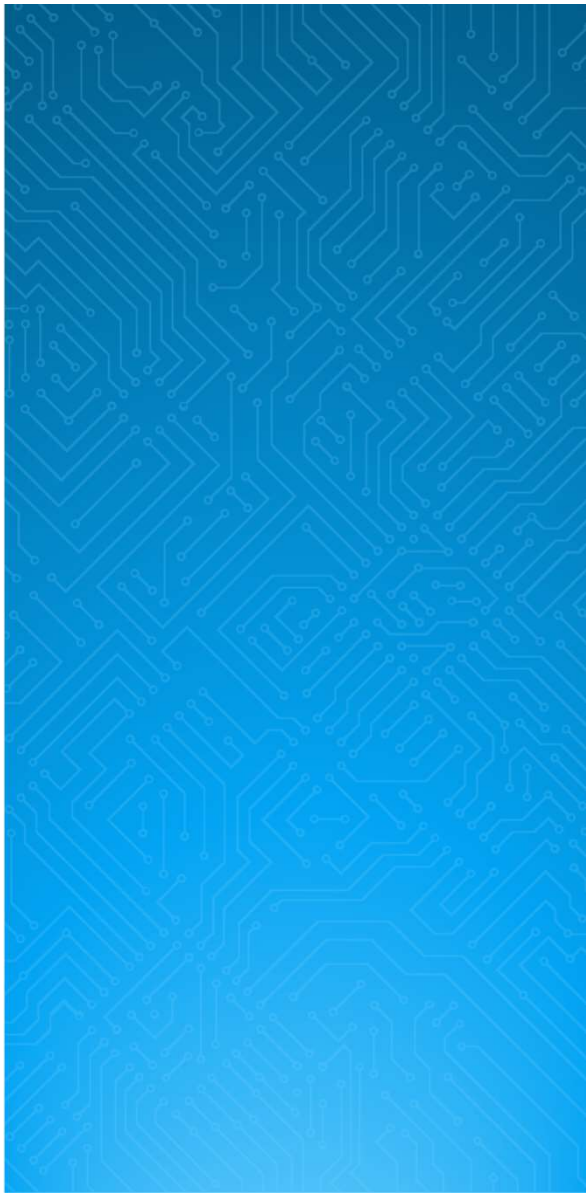
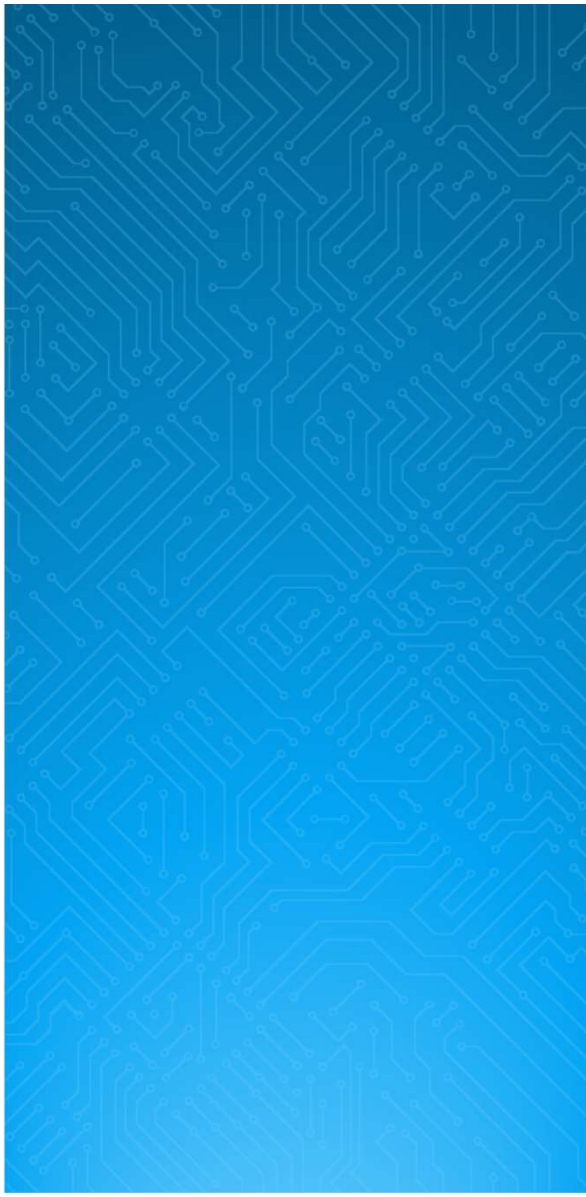
PREVENT COSTLY OVERSIGHTS WITH MANAGED IT SERVICES



BENEFITS OF MANAGED IT & CYBERSECURITY SERVICES

- We offer bundled full-service cost saving packages or ala carte services to fit your needs.
- Don’t lose money for monitoring your clients’ private data for a year because your system was hacked into and vulnerable. (And what a client relations nightmare.)



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PREVENT COSTLY OVERSIGHTS WITH MANAGED IT SERVICES

WHAT SHOULD YOU DO NOW?

- Schedule a complementary consultation with ResTech Solutions
  - Get an assessment of your environment
  - Reports provided on findings and recommended actions to take
- Book at https://restech.solutions/contact/book-an-appointment/david
- Sign up for our newsletter at https://rts.news

Reports

- Network
  - Risk Report
  - Network Assessment PPT
  - Consolidated Risk Report
- Security
  - Risk Report
  - Security Assessment PPT
  - Consolidated Security Report Card
  - Data Breach Liability Report
- Microsoft Cloud
  - MS Cloud Security Assessment
  - Risk Report

ANY QUESTIONS?

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THANK YOU

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