

Securing Very Small Businesses

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Lead Technologist, Datawiz Inc.

Biography

- Preferred Name: Ahsan
- MSc. in Control Systems
- Lead Software Engineer at SEL
 - Eight Years
 - Software and Hardware Development
 - Cybersecurity, SDL, and TPA
- Lead Technologist at Datawiz
 - Recently
 - Pen Testing, Training, Threat Modeling

MISSION

Datawiz's mission is to help its clients achieve their organizational and customer goals. Through a combination of strategic thought leadership and practical technological solutions, Datawiz helps our clients meet their transformation challenges.

We concentrate our efforts in the areas of:
Business Transformation
Technology Modernization
Data Science & Engineering Cybersecurity
We focus on methodologies that help our clients overcome today's barriers and bottlenecks while preparing for the challenges of tomorrow.

CORPORATE INFORMATION

- Founded in 1999 In State of Virginia
- 20+ years of Top Management with core competencies in Cyber Security and Software Engineering Services
- Small Business (< 27.5 M) with 60 + professionals- all possess one or more professional certification in their respective fields
- Proactive management of customers resulting in 94% client retention
- Employee friendly environment, competitive benefits & compensation, employee retention over 95%
- Gross Revenue 2019: \$8.7 M



SPECIALIZED IT SERVICES

- Governance and PMO Management
- Enterprise Architecture Support
- Innovation and Transformation Services (DevOps, AI, Automation)
- Database and Software Development Support
- Data Management and Migration Support
- Infrastructure and Network Engineering
- Strategy Consulting
- Operations & Maintenance
- Security Operations and Architecture
- Mobility and Cloud Security Program
- Cyber Threat, Analytics and Cyber Hunt

CONTRACT VEHICLES

- GSA Schedule 70
- GSA STARS II



OUR VISION

We aspire to carry a reputation in the marketplace for offering complete solutions in the areas of IT infrastructure, our understanding of the Design and Management of client's needs and our global vices, real-world experience.



PAST PERFORMANCES

Datawiz Corporation is committed to its customers and has a proven track record of providing its clients with top results for over 20 years. Through our customer-oriented approach, we work to perform with both passion and integrity.

- **Department of Labor** – MSHA, OWCP, JobCorps, OIG, ETA and OSHA
- **Department of Health and Human Services** – FDA & NIH
- **Department of Veteran Affairs**
- **Department of Homeland Security** – OIG and CBP
- **Department of Agriculture** – FSIS and FSA
- **Department of Transportation** – PHMSA
- **AbilityOne Commission**
- **State of Delaware**
- **State of Florida**
- **Washington D.C. Government**
- **Fannie Mae**
- **State of Maryland**



Small Business

- SBA defines small business for different industries
 - Number of employees
 - Annual revenue
- Type
 - Privately owned corporations
 - Partnerships
 - Sole proprietorship
- Reason
 - Government support
 - Tax preferences

Very Small Business

- Mom and pop establishments
- Single owner
 - Single owner with multiple job titles
- Less than 50 employees
 - Employees share responsibilities and job titles



Ever growing field with evergreen problems.



Large corporations with dedicate teams:

to secure assets
to educate employees



Very small businesses with “that cousin who is good with computers”

Cybersecurity

Lack of IT and cybersecurity support

Lack of basic IT and cybersecurity knowledge

Lack of asset management

Lack of vulnerability tracking

And many more

Problem

Why Worry?

- 58% of cyber-attack victims are small businesses
- Small businesses incur large costs after cybersecurity attacks
- Small businesses are more likely to go under after cybersecurity attacks



Solution

Robinhood

Assets

WHAT WE SEE

- Computers, Printers, Routers
- Point of Sale (Software/Hardware)
- Smartphones, Tablets, Smart Speakers
- Accounting, Inventory, Billing Software
- Smart Devices (Watches, Lightbulbs, etc.)
- Lots and Lots of Excel Files

WHAT WE DON'T SEE

- Dedicated Firewall
- Another Dedicated Firewall
- Intrusion Detection and Prevention Systems
- Spam Filters
- Password Managers
- Anything on the Cloud



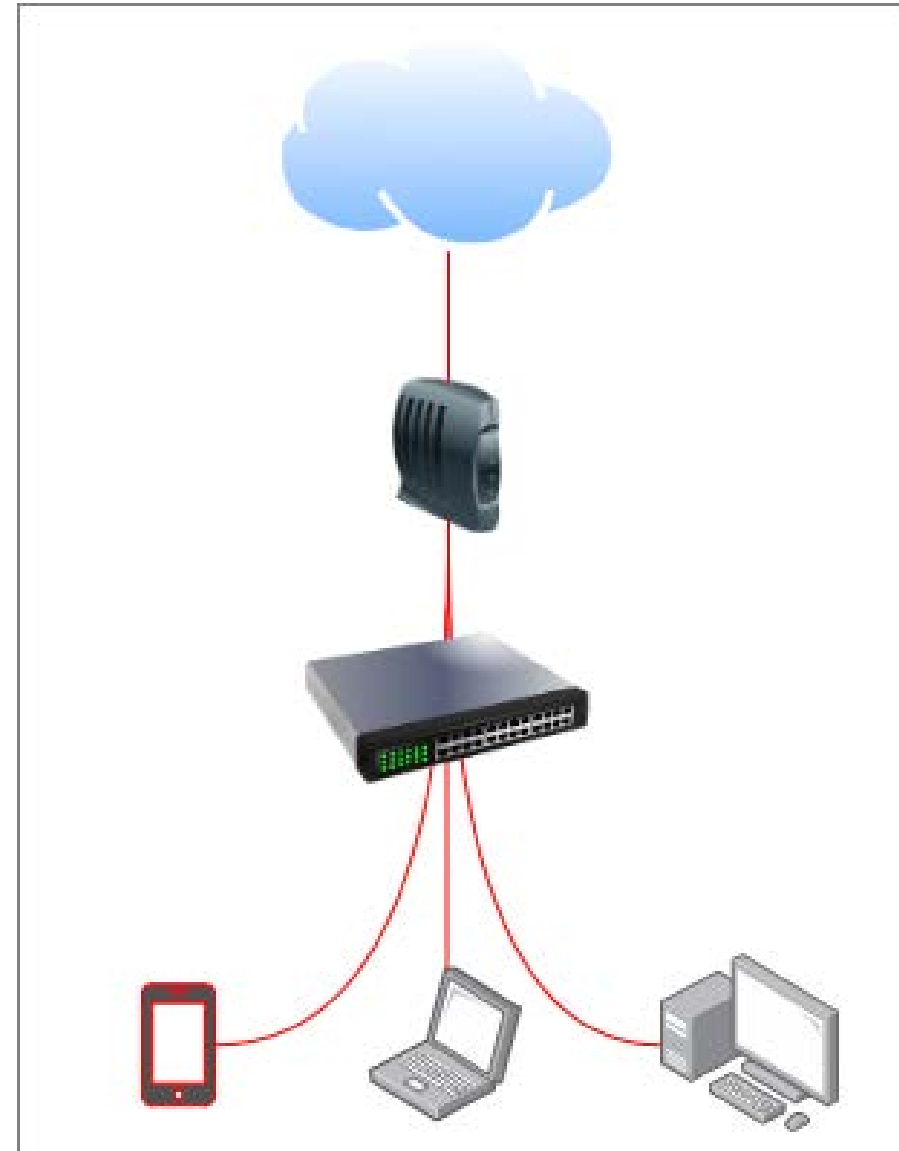
Business on the cloud



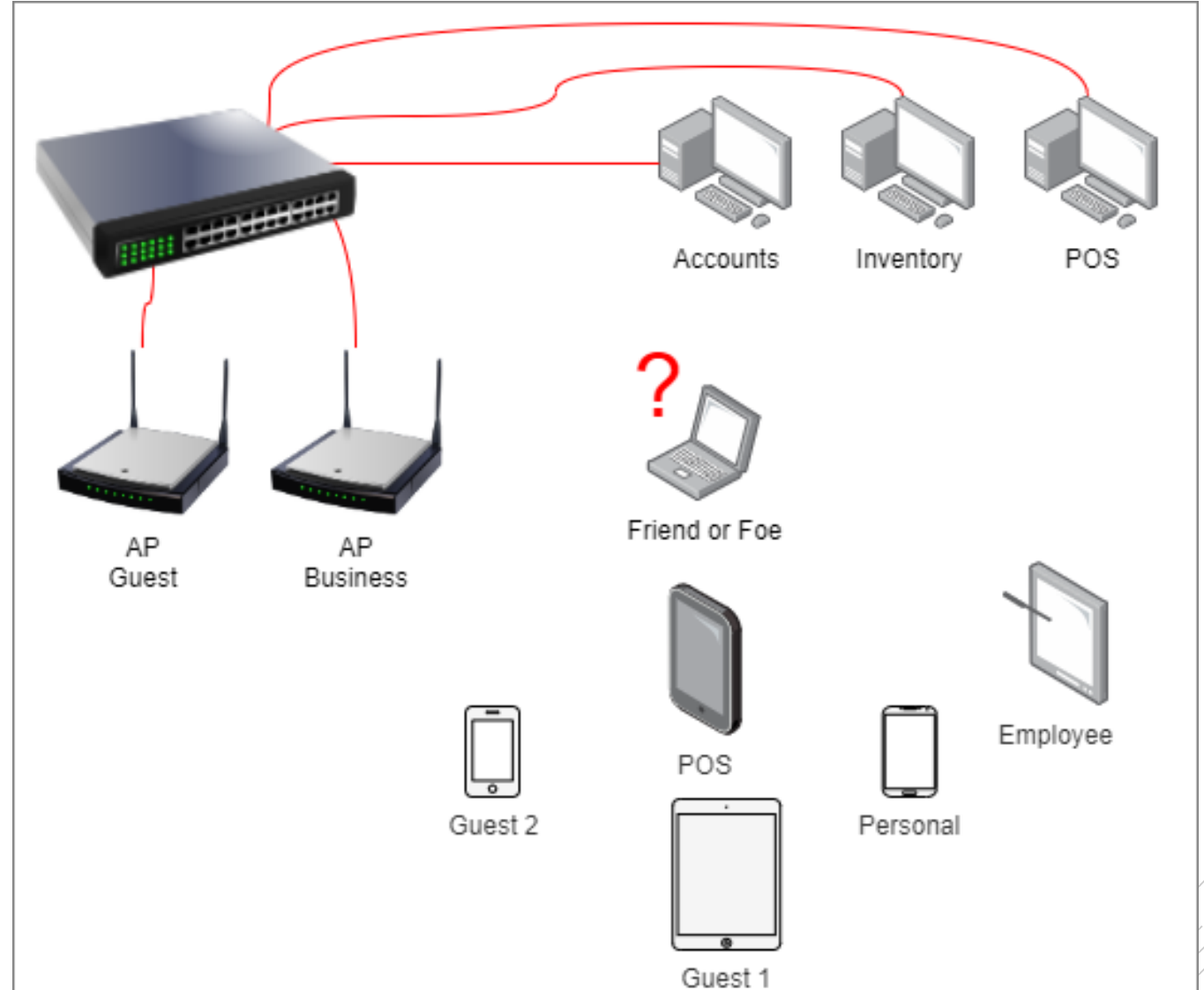
Marketing on social media

Assets

Network Configuration



Network Configuration





**OUTDATED
HARDWARE AND
SOFTWARE**



**POOR SECURITY
TRAINING**



**OPEN OR
IMPROPER WIFI**



**UNSECURE OR
UNKNOWN
ENDPOINTS**



**POOR ASSET
MANAGEMENT**

Problem Areas

Attacks

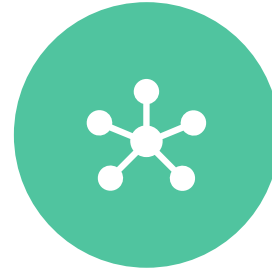
- Ransomware
- Phishing
- Social engineering
- Exploiting unpatched software
- And many more



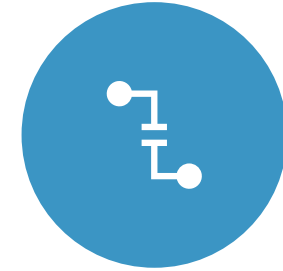
**STAY UP TO
DATE**



BACKUPS



**PRIVATE
NETWORKS**



**SEPARATION
OF DUTY**



Solutions

Government Solutions

- Training and Posters
- Announcements and Reminders
- Scanning and Testing
- Support
- Certification

Let's Talk

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Questions