Agenda

- A Brief History of Cybercrime
- Cybersecurity is Expensive
- Attacks in the RGV
- The Need for Collaboration
- The Benefits of Collaboration
- Resources and groups

A Brief History of Cyber Crime

1990s: New Technology Brings New Crime

- The world goes online
- Mostly hobbyists and enthusiasts
- Objective Fame & Prank
- Loses estimated: tens of millions

A Brief History of Cyber Crime

2000s: Cybercrime ramps up
- Monetization Era
- Crime begins to get Organized
- Loses estimated over 100 billion

A Brief History of Cyber Crime

2010s: An Explosion of Cyber Attacks

- The Ransomware Era
- Cybercriminal groups organize together
- Nation sponsored hackers
- Loses broke the trillion-dollar mark

A Brief History of Cyber Crime

2020s: Billions of Dollars Lost

- Ransomware fully Develops
- Now the 3rd largest global economy
- Critical infrastructure is now a target for ransomware
- Estimated to be 10.5 Trillion annually

Ransomware Attack Shuts Down A Top U.S. Gasoline Pipeline

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Cybersecurity Is Expensive

Requirements:
- Staff
- Technology
- Time
- Training

Need for Collaboration

- Vendors sell products – all about the money
- Limited resources for cyber security
- Small talent pool
- Geographical separation
- Culture shift

Cyber Attacks in the Rio Grande Valley

- County November 2014
- School District March 2019
- Municipality June 2019
- Hospital October 2020
- School District December 2020
- Medical Facility September 2021
- Utility March 2022

- Law Enforcement February 2023
- Municipality October 2023
- Higher Education December 2024
- Municipality February 2025
- Hospital March 2025

LOCAL
Our Neighbors

Benefits of Collaboration

- Strengthen relations
- Shared resources
- Regional Insights
- Regional preparedness

Example: Multi Factor Authentication

- McAllen is deploying Multi Factor Authentication

- We have spent many hours researching
  - Pain points
  - Multiple products
  - Employee onboarding

- Can share the approach to give insights

Resources

- UTRGV RSOC

- RGV Cyber

- Join our mailing list

- Local cybersecurity conferences