CYBERSECURITY LUNCH & LEARN

SHANA BUMPAS, DIRECTOR OF INFORMATION SECURITY
AGENDA

• IT'S ALL ABOUT THE DATA
• SOCIAL ENGINEERING
• LOCKDOWN YOUR LOGIN
• IDENTITY THEFT
• IOT
• WIFI
IT’S ALL ABOUT THE DATA

CONFIDENTIALITY, INTEGRITY, AVAILABILITY

• SENSITIVE DATA IS PROTECTED UNAUTHORIZED USERS
• DATA IS ACCURATE WHEN ACCESSED
• DATA IS AVAILABLE WHEN NEEDED

• ACCOUNT REVIEWS
• BACKUPS
• DATA OWNERS ROLE
SOCIAL ENGINEERING

- Phishing
  - Business Email Compromise
  - Malware
  - Advanced Persistent Threat
- Scams
- Shoulder Surfing
- Dumpster Diving
LOCKDOWN YOUR LOGIN

• CREATE STRONG PASSWORDS/PASSPHRASES
• THE MORE SENSITIVE DATE, THE STRONGER THE PASSWORD
• AVOID PASSWORD REUSE
• USE A PASSWORD MANAGER - LASTPASS
  • SECURES PASSWORDS
  • HELPS CREATE STRONG PASSWORDS
  • CAN BE ENABLED WITH MULTIFACTOR
• AVOID PUBLIC WI-FI CONNECTIONS
• CONNECT TO VPN IMMEDIATELY
• USE MI-FI OR TETHER TO CELL PHONE
• USE PASSWORD MANAGER (LASTPASS)
IDENTITY THEFT

- SOCIAL SECURITY NUMBER: $1
- CREDIT OR DEBIT CARD (CREDIT CARDS ARE MORE POPULAR): $5-$110
  - WITH CVV NUMBER: $5
  - WITH BANK INFO: $15
  - FULLZ INFO: $30
- ONLINE PAYMENT SERVICES LOGIN INFO (E.G. PAYPAL): $20-$200
- LOYALTY ACCOUNTS: $20
- SUBSCRIPTION SERVICES: $1-$10
- DIPLOMAS: $100-$400
- DRIVER’S LICENSE: $20
- PASSPORTS (US): $1000-$2000
- MEDICAL RECORDS: $1-$1000*
- GENERAL NON-FINANCIAL INSTITUTION LOGINS: $1

* Pricing may vary.
INTERNET OF THINGS

PHYSICAL DEVICES ENABLED TO CONNECT TO THE INTERNET AND COLLECT/SHARE DATA

- LACK SECURITY CONTROLS
- TYPICALLY DO NOT RECEIVE SECURITY UPDATES
- MODIFY SETTINGS TO RESTRICT DATA SHARED
- CREATED ISOLATED NETWORK
- PUSH MANUFACTURERS TO IMPROVE SECURITY
QUESTIONS

• VISIT INFORMATION SECURITY SITE - HTTPS://IS.RICHMOND.EDU/INFOSEC/
• REPORT SECURITY INCIDENTS – ABUSE@RICHMOND.EDU OR X8655
• LASTPASS - HTTPS://IS.RICHMOND.EDU/INFOSEC/LASTPASS/INDEX.HTML
REFERENCES

