CONNECTING THE DOTS

ADVICE FROM THE EXPERTS:
CYBERSECURITY IN OUR NEW (VIRTUAL) REALITY FROM SAFETY NET

TRAVERSE CONNECT
REGIONAL ECONOMIC DEVELOPMENT

Presenters

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Safety Net

What is IT Security?

Integrity

The data has not been modified and is accurate and complete

Confidentiality

The data is disclosed only to authorized users

Availability

The data is ready and accessible by authorized users

Safety Net

Layered Security Approach

- Anti-virus Software. Typically 50% effective
- Spam Prevention and virus detection
- Web Content Filtering, multiple layers
- Security Patch Management
- Device encryption
- Physical access restrictions
- Next Generation Firewall with IDS and Geo-IP Filtering
- Authentication controls, including two factor auth
- **HR Policy can’t be understated**

Safety Net

Real-world incidents

Remember how modern malware acts.

- Lays quietly
- 75% are keyloggers
- Harvest the network, or sell access to infected computers to someone else

Safety Net

Determine your requirements

High Security/Compliance

- Personally Identifiable Information (PII)
- Protected Health information (PHI)
- Homeland Security/Defense (NIST)
- Criminal Justice Information (CJIS)
- Financial records, others

Business-Level Security

- Intellectual property
- Business transactional data
- Not as sensitive, but valuable

The essentials still apply – more than ever

safetynet-inc.com/checklist

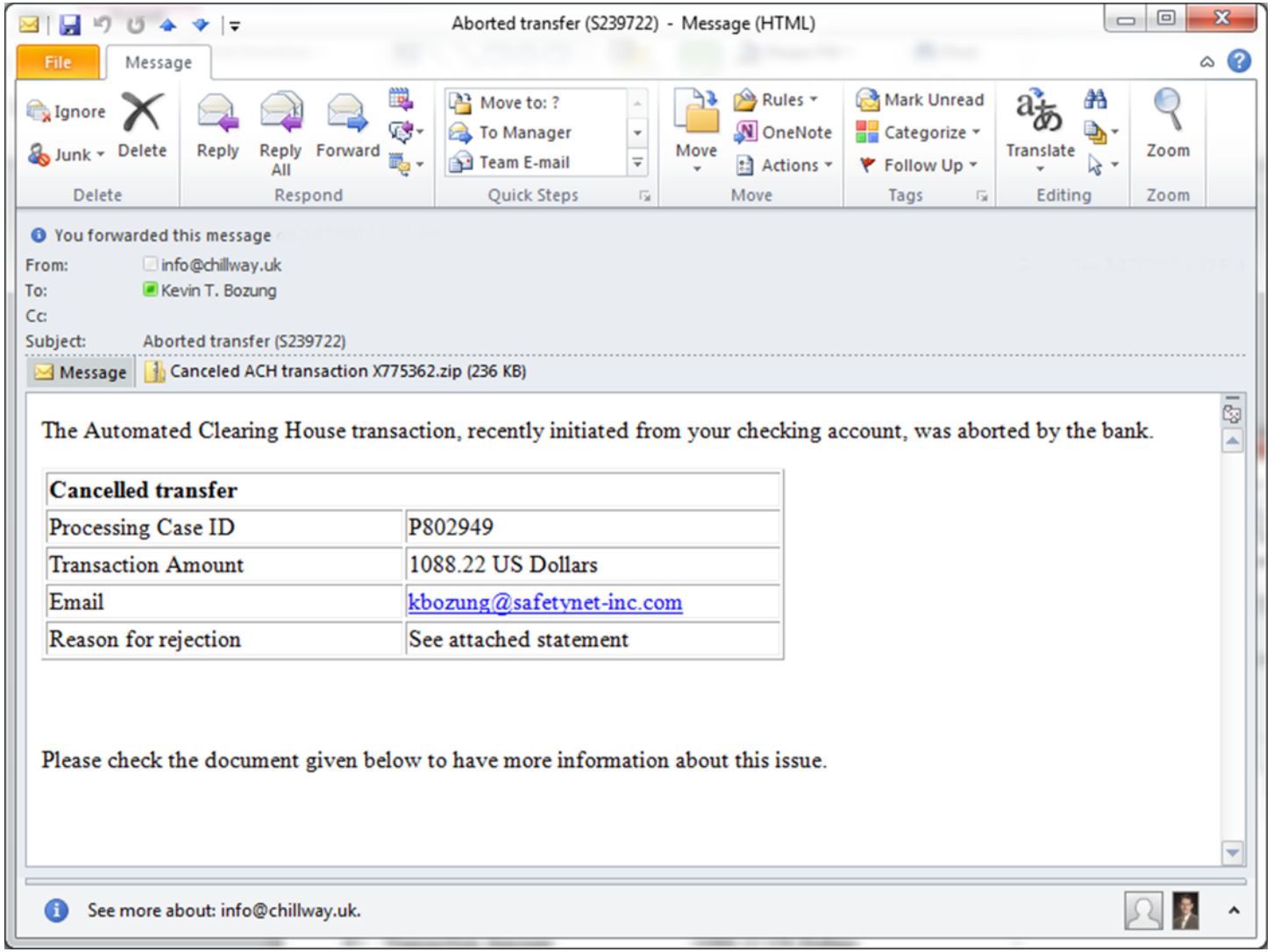
Email is not secure

- Don’t email passwords, SSNs, or other sensitive information
- Use secured file sharing

Phishing Attacks
(malicious spam)

- 49% of all email is spam
- Spear phishing
  - Disproportionately aimed at small businesses
  - Highly targeted

Safety Net


Aborted transfer (S239722) - Message (HTML)
File
Message
Ignore
Junk
Delete
Reply
Reply All
Forward
Move to: ?
To Manager
Team E-mail
Move
Rules
OneNote
Actions
Mark Unread
Categorize
Follow Up
Translate
Zoom
Delete
Respond
Quick Steps
Move
Tags
Editing
Zoom
You forwarded this message
From: info@chillway.uk
To: Kevin T. Bozung
Cc:
Subject: Aborted transfer (S239722)
Message
Canceled ACH transaction X775362.zip (236 KB)
The Automated Clearing House transaction, recently initiated from your checking account, was aborted by the bank.
Cancelled transfer
Processing Case ID P802949
Transaction Amount 1088.22 US Dollars
Email kbozung@safetynet-inc.com
Reason for rejection See attached statement
Please check the document given below to have more information about this issue.
See more about: info@chillway.uk.

Safety Net

Video Conferencing Platforms

Go business-grade

- GoToMeeting
- MS Teams or Skype
- Cisco Webex
- Zoom, post-security fixes

Use smart passwords

Manage and enforce software updates

Safety Net

Other things to check on

1. For computers being used remotely, how are anti-virus and OS updates being monitored and remediated?
2. Who's checking integrity and consistency of data backups?
3. What amendments are needed to our remote work policy in this situation?
4. How are our customers' credit card data being handled right now?
5. Are all remote workers up to date on security awareness training?

Q & A

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