

Why do hackers attack more during holidays?

In a joint advisory, the FBI and the Cybersecurity and Infrastructure Security Agency (CISA) said they "observed an increase in highly impactful ransomware attacks occurring on holidays and weekends — when offices are normally closed in the United States.

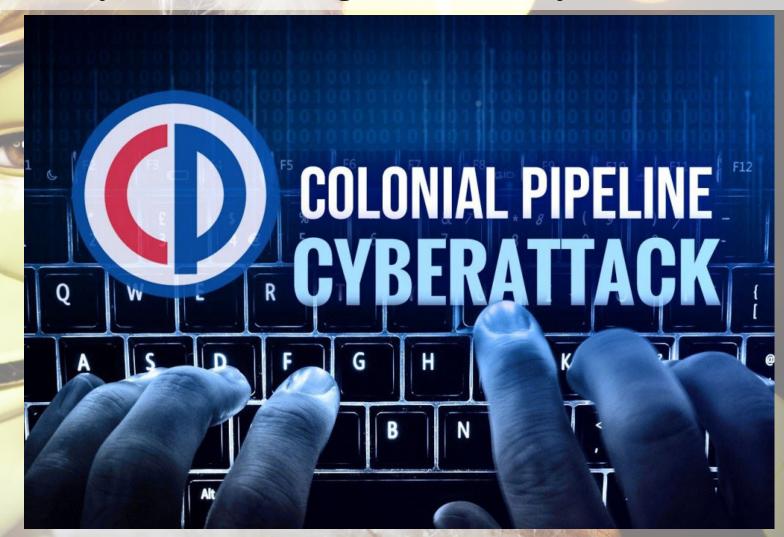
We have no specific threat information regarding attacks. But what we do have, is history.

Hackers love to hack when they know we're distracted and not ready to respond.





Colonial Pipeline paid a \$4.4 million in ransom to the DarkSide group after being forced to shut down its operations during Mother's Day weekend





The "Total Global Impact of Cyber Crime [has risen to] \$3 Trillion, making it more profitable than the global trade in marijuana, cocaine and heroin combined."

Europol Serious & Organized Threat Assessment

2013!

Cybercrime To Cost The World \$10.5 Trillion Annually By 2025

United States GDP is \$21.5 trillion



Top 50 Cyber Threats

- Account Takeover
- Advanced Persistent Threat
- Application Access Token
- Bill Fraud
- Business Invoice Fraud
- Brute Force Attack
- Compromised Credentials
- Credential Dumping
- Credential Reuse Attack
- Credential Stuffing
- Cloud Access Management
- Cloud Cryptomining
- Command and Control
- Cross-Site Scripting
- Cryptojacking Attack
- Data From Information Repositories

- DoS Attack
- DDoS Attack
- Disabling Security Tools
- DNS Amplification
- DNS Hijacking
- DNS Tunneling
- Drive-by Download Attack
- Host Redirection
- Insider Threat
- IoT Threats
- IoMT Threats
- Macro Viruses
- Malicious Powershell
- Man-in-the-Middle Attack
- Masquerade Attack
- Meltdown and Spectre Attack
- Network Sniffing

- Pass the Hash
- Phishing
- Phishing Payloads
- Ransomware
- Shadow IT
- SIM jacking
- Social Engineering Attack
- SQL Injection
- Spear Phishing
- Spyware
- System Misconfiguration
- Typosquatting
- Watering Hole Attack
- Web Session Cookie
- Whale Phishing
- Wire Attack
- Zero Day Exploit

NIST

Cybersecurity Framework

The Cybersecurity Framework assesses security measures beyond what's in the IT infrastructure to the critical policies, processes, and procedures of an organization.

	IDENTIFY	PROTECT	1	DETECT		RESPOND		RECOVER
1.	Asset Management	Access Control	1.	Anomalies & Events	1.	Response Planning	1.	Recovery Planning
 3. 	Business Environment Governance	 Awareness & Training Data Security 	2.	Security Continuous Monitoring	 2. 3. 	Communications Analysis	2. 3.	Improvements Communications
4.	Risk Assessment	4. Info Protection Process	3.	Detection Processes	4.	Mitigation		
5.	Risk Management Strategy	& Procedures 5. Maintenance	/		5.	Improvements		
		6. Protective Technology						

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"...regardless of size, degree of cyber risk or cybersecurity sophistication—apply the principles and best practices of (NIST CSF) to improve the security and resilience of critical infrastructure."

National Institute of
Standards and Technology
U.S. Department of Commerce









We're too small to be attacked.



The cybercriminals behind ransomware do not particularly care who their victims are, as long as they are willing to pay the ransom.

Cybercrime Can Be Fatal

COLORA

TIMBERLI



marketing Magazine

COMPUTER & ELECTRONIC

Colorado Timberline Abruptly Closes, Cites Ransomware Attack

By Brendan Menapace

- f FACEBOOK
- TWITTER
- INKEDIN
- - EMAIL
- COMMENTS

Colorado Timberline, the supplier based in Denver, posted an announcement on its website yesterday announcing that the company was closing abruptly. Here's the full text of the message:

Dear valued customers and suppliers of Colorado Timberline:

It is with great difficulty and a heavy heart that we must inform you that effective immediately Colorado Timberline has ceased all operations indefinitely.

We have recently been plagued by several IT events, unfortunately we were unable to overcome the most recent ransomware attack and output the control of the

support and loyalty from each of you over

~100 employees

- Ransomware Attack August 14th, 2018
- Out of Business September 12th, 2018

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What is the Dark Web?

It is a black market for cyber criminals.

Your personal data is for sale today on the Dark Web

Your identity is a steal on the Dark Web.

Here are what the most common pieces of information sell for:



Social security number



\$1

Online payment services login info (e.g. Paypal)



\$20-\$200

Drivers license



\$20

Loyalty accounts



\$20

Diplomas



\$100-\$400

Passports (US)



\$1000-\$2000

Credit or debit card (credit cards are more popular)



\$5-\$110

With CVV number \$5

With bank info \$15

Fullz info*

General non-financial institution logins



\$1

Subscription services

\$1-\$10

Medical records

\$1-\$1000**



Physical Security







Human Firewall



- 95% of cyber attacks are the result of human error
- Cybersecurity Awareness Training
- MFA
- Password Locker With Randomly Generated 9+ Character Passwords
- Be Skeptical. Of EVERYTHING!

Top 20 Passwords of 2021



- 1) 123456
- 2) 123456789
- 3) qwerty
- 4) password
- 5) 1234567
- 6) 12345678
- 7) 12345
- 8) iloveyou
- 9) 111111
- 10) 123123



- 11) 987654321
- 12) qwertyuiop
- 13) mynoob
- 14) 123321
- 15) 666666
- 16) 18atcskd2w
- 17) 7777777
- 18) 1q2w3e4r
- 19) 654321
- 20) 555555



Time It Takes For A Hacker To Crack Your Password



Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	1 sec	5 secs
7	Instantly	Instantly	25 secs	1 min	6 mins
8	Instantly	5 secs	22 mins	1 hour	8 hours
9	Instantly	2 mins	19 hours	3 days	3 weeks
10	Instantly	58 mins	1 month	7 months	5 years
11	2 secs	1 day	5 years	41 years	400 years
12	25 secs	3 weeks	300 years	2k years	34k years
13	4 mins	1 year	16k years	100k years	2m years
14	41 mins	51 years	800k years	9m years	200m years
15	6 hours	1k years	43m years	600m years	15 bn years
16	2 days	34k years	2bn years	37bn years	1tn years
1 <i>7</i>	4 weeks	800k years	100bn years	2tn years	93tn years
18	9 months	23m years	6tn years	100 tn years	7qd years



Questions?

Bottom Line: Security is Inconvenient



Personal Action Items



- Update your computer and antivirus software TONIGHT!
- Get a password locker
- Update ALL passwords
- Use 2-Factor Authentication
- Backup your data
- Purchase ID Theft Service
- Stay Informed





- Get Management's Unwavering Commitment
- Cybersecurity Awareness Training
- Harden Network/Systems
- Create and Enforce Policies
- Cybersecurity Audit
- Purchase Cyber Insurance
- Stay Informed
- Engage with Amnet





Free Dark Web Scan and Basic Security

Assessment for CFMA members who
book before January 1.

Amnet.net (719) 442-6683

