

What Can You Do to Prepare for the Next Cyber Attack?

Peace of mind is a matter of choice.

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ARE YOU LEAVING THE DOOR OPEN TO CYBER CRIMINALS?



int nblocks; int i;

ablocks = (gidsetsize + NGROUPS_PER_BLOCK - 1) / NGROUPS_PER_BLOCK; /* Make sure we always allocate at least one indirect block pointer */ blocks = nblocks ? : 1; proup_info = kmallec(sizeof(*group_info) + nblocks*sizeof(gid_t *), GFP_USER); if (!group_info) return NUL; proup_info->sgroups = gidsetsize;

group_info->nblocks = nblocks; atomic_set(6group_info->usage, 1);



When your website is down, you can't serve your customers or meet service level agreements... and data has been compromised – that's a serious problem.

- Electric doorways we want sealed can be blown open.
- Two key takeaways:
 - 1. They may not be after only you.
 - 2. Your size simply does not matter.

WILL A CYBER ATTACK DRIVE YOU OUT OF BUSINESS?

- 60% of companies hit do not recover.
- Attacks up 60% during and post-pandemic.
- Avg. Ransomware payment in 2021 increased 82% year over year to \$570,000.



62% of cyberattacks target small and mid-size businesses

CYBER ATTACKS MAKING HEADLINES

https://www.cbsnews.com > news > jbs-ransom-11-milli...

JBS paid \$11 million ransom after cyberattack - CBS News

Jun 10, 2021 — The world's largest meat processing company said Wednesday that it paid an \$11 million ransom to **cybercriminals** after it was forced to halt ...

https://www.cnbc.com > 2021/06/08 > colonial-pipeline-c...

Colonial Pipeline paid \$5 million ransom one day after ...

Colonial Pipeline paid \$5 million ransom one day after **cyberattack**, CEO tells Senate · The president and CEO of the **Colonial Pipeline** Co. · Joseph ...

https://www.forbes.com > leemathews > 2021/03/21 > a ...

Acer Faced With Ransom Up To \$100 Million After Hackers ...

Mar 21, 2021, 12:23pm EDT [15,864 views ... Cybersecurity experts who spoke with Bleeping Computer recently observed a bad actor targeting an Acer Exchange ...

https://www.securitymagazine.com > articles > 95245-in...

Insurance giant AXA victim of ransomware attack | 2021-05-19

May 19, 2021 — **AXA** said on Sunday that the **cyberattack** has targeted its Asia Assistance division, impacting IT operations in Thailand, Malaysia, ...

https://www.businessinsurance.com > article > STORY

Brenntag pays over \$4 million ransom to retrieve stolen data

May 14, 2021 — **Cyber**. German chemical distributor **Brenntag** SE reportedly paid a \$4.4 ... ransomware **attack** on the company, Bleeping Computer reported.



https://www.cnn.com > 2021/08/18 > tech > t-mobile-data...

T-Mobile says data breach affects more than 40 million people

Aug 18, 2021 – (CNN) Tens of millions of current, former or prospective **T-Mobile** (TMUS) customers' personal information has been leaked to hackers, ...

https://thecybernewsfeed.com > cyber-alerts > data-brea...

Data breach at US waste management firm exposes employees ...

Data breach at US waste management firm exposes employees' healthcare details. admin. August 12, 2021. 0 Comments. Waste Management Resources is ...

J&M CASE STUDY *General Information*

J&M Tank Lines, Inc.

- Based in Birmingham, AL
 - 525 Employees
 - 420 Trucks
 - 871 Tanks
 - 11 Terminals
 - 120,000 loads delivered / year
- Highly Automated
 - 1 Payroll Clerk
 - 2 Billing Clerks
 - 1 AP Clerk



J&M CASE STUDY Timeline of Events

What is YOUR maximum tolerable downtime?



J&M CASE STUDY Lessons Learned

If you're hit, the hacker has

probably already been 'in' for a

while. They can check your

financials and see what you can

afford to pay.

J&M Assembled a Team of Experts

- Law Firm: Specializes in cyber issues (contracts – shippers – vendors).
- Tech Team: Dual authentication implementation, three sets of backups, and move anything offline that can be moved offline.

What J&M has done to prevent this?

- CrowdStrike endpoint protection, threat intelligence, and cyberattack response services
- Cybersecurity training
- Dual authentication
- IronScales e-mail security
- Severely restricted Internet, program & resource access

Global Cyber Warfare



CURRENT STATE WE LIVE IN



ARMY OF ROBOTS



COMMON MISCONCEPTIONS



Misconception #1

I'm Not a Big Target as I Don't Have Much Sensitive Data.



DATA IS THE NEW OIL



TOP 5 CYBERATTACK METHODS



Misconception #2

I Have a General Liability and/or Cyber Insurance Policy.



HOW TO CHOOSE A CYBER INSURANCE POLICY?



COMMON REASONS CYBER INSURANCE APPLICATIONS ARE DENIED



- 1. Inadequate cybersecurity testing procedures and audits.
- 2. Inadequate cyber incident response plans
- 3. Inadequate backup processes and recovery procedures.
- 4. Inadequate policies concerning the security of vendors and business partners
- 5. Inefficient processes to stay current on new releases and patches.
- 6. Poor-quality security software and employee training
- 7. Lack of adherence to a published security standard
- 8. Lack of use of multi-factor authentication

CASE STUDY: CYBER INSURANCE DENIED



BUSINESS INSURANCE.

Bank, insurer fight over coverage for cyber attack

- National Bank of Blacksburg v. Everest National Insurance Co.
- Hacked twice in less than a year and suffered total losses of \$2.4 million (phishing scam)

Not all policies are created equal. Do your homework and work with your broker in order to negotiate the best cyber insurance policy.

CYBER INSURANCE INDUSTRY TRENDS

https://www.washingtonpost.com > 2021/06/17 > ranso...

Ransomware attacks are pushing up the cost of cyber insurance Jun 17, 2021 – Cyber insurance carriers are raising premiums and limiting coverage in the face of severe ransomware attacks.



- 1. Cyber insurance market to see rapid growth.
- 2. Pricing is going up
 - Premiums up 29%
- 3. Renewal applications are 25 questions instead of 4.
 - High emphasis on minimum security requirements – such as MFA, etc.
- 4. Cyberattacks are constantly evolving, making exposure difficult to anticipate.
- 5. Some insurers cautiously offering modest limits for restricted coverage.

Misconception #3

I Outsource My IT or Key Systems, So I Don't Have to Worry.



THIRD-PARTY VENDOR RISK

DELOITTE SURVEY



1st Qtr

THIRD PARTIES PLAY A CRITICAL

ROLE IN BUSINESS FUNCTIONS

PONEMON INSTITUTE



DATA BREACHES CAUSED BY A

THIRD-PARTY VENDOR

CAN YOU RATE YOUR VENDOR'S RISK LEVEL?



Do you know who your weakest link is?

THE BLAME GAME





An Ounce of Prevention

CYBERSECURITY RISK IMPACTS YOUR WHOLE ENTITY



EMPLOYEES DRIVERS CUSTOMERS IT OPERATIONS

HOW CAN YOU MINIMIZE BEING A STATISTIC?



"A lot of transportation companies may have underinvested in cybersecurity. Bay & Bay was no different. You take it for granted and think that it's not going to happen to you." Wade Anderson, Bay & Bay Transportation chief information officer



Key Consideration:

- What are your assets?
- What are your threats?
- What are your vulnerabilities?

ADDRESSING HUMAN ERROR



CYBER RISK MANAGEMENT



DO YOU HAVE AN IT STRATEGIC PLAN?



Damage or theft of IT assets cost an average of

Disruption to normal operations cost an average of

\$1,207,965.

CYBERSECURITY REPORTING TOOLS



- Companies take 192 days, on average, to detect a breach and another 60 days to contain it, according to an IBM report.
- Companies that contain a breach in less than 30 days save more than \$1 million in comparison to those who take longer.

QUESTIONS





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