



Pandangan PERSI Terkait Perlindungan Data RS

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Agenda

- Apakah data, jenis data, mengapa penting, contoh pencurian data, kerugian yang diakibatkan
- Bagaimana melindungi data data
- Peraturan di Indonesia
- Best practice

Data Klinis

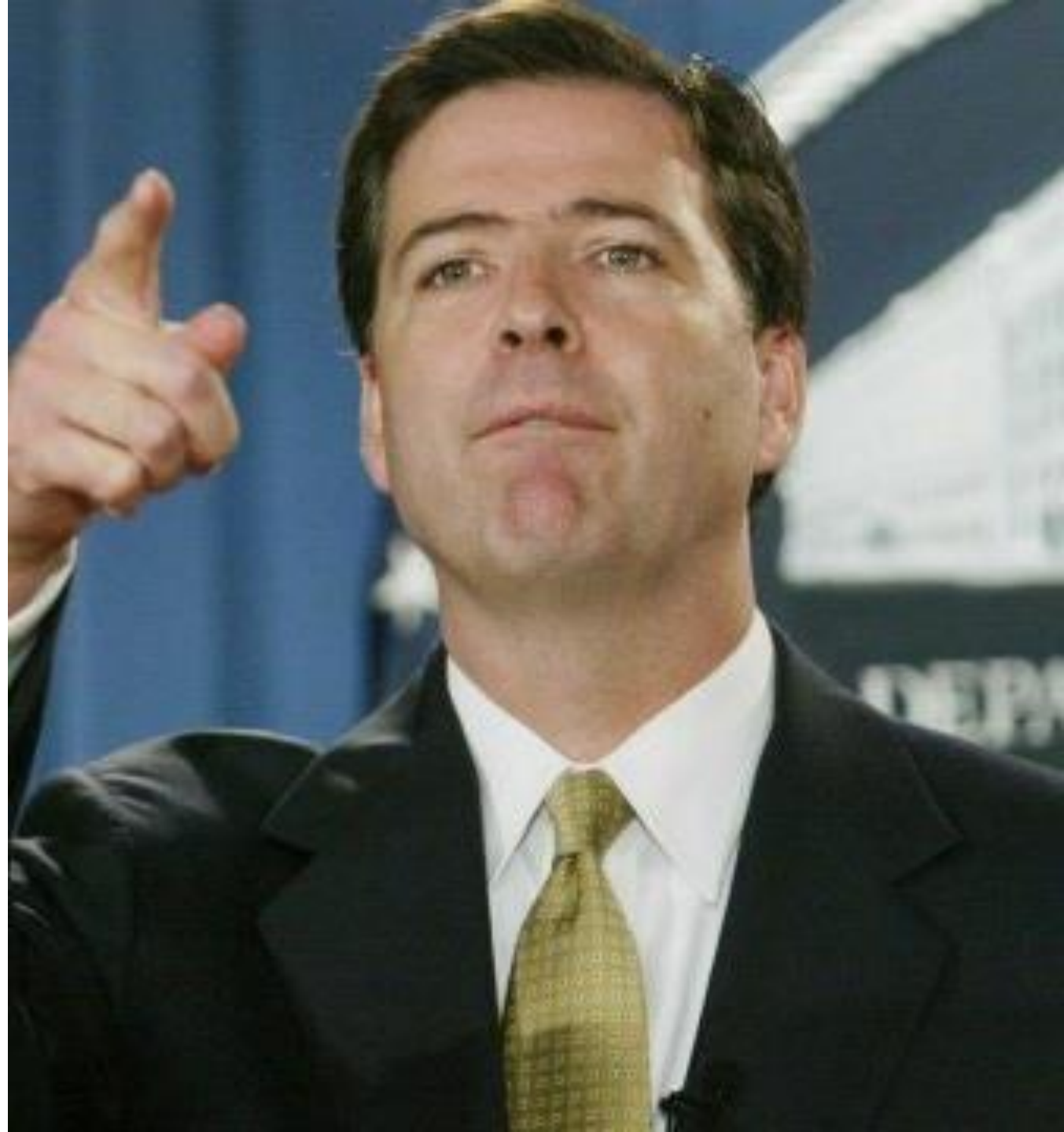
Dikumpulkan selama perawatan pasien yang sedang berlangsung atau sebagai bagian dari program uji klinis formal :

- Rekam Medik Elektronik
- Data Administratif
- Data Claim
- Registri Penyakit/Pasien
- Survei Kesehatan
- Data Uji Klinis

Asumsi Diserang

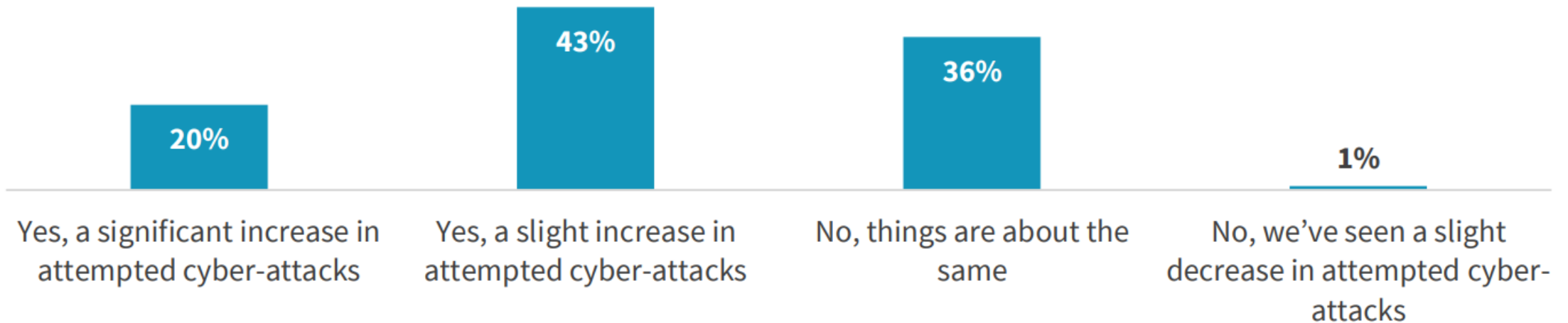
Hanya ada dua jenis organisasi
Yang sudah diserang, dan yang
tidak sadar bahwa sudah
diserang”

—James Comey, Director, FBI

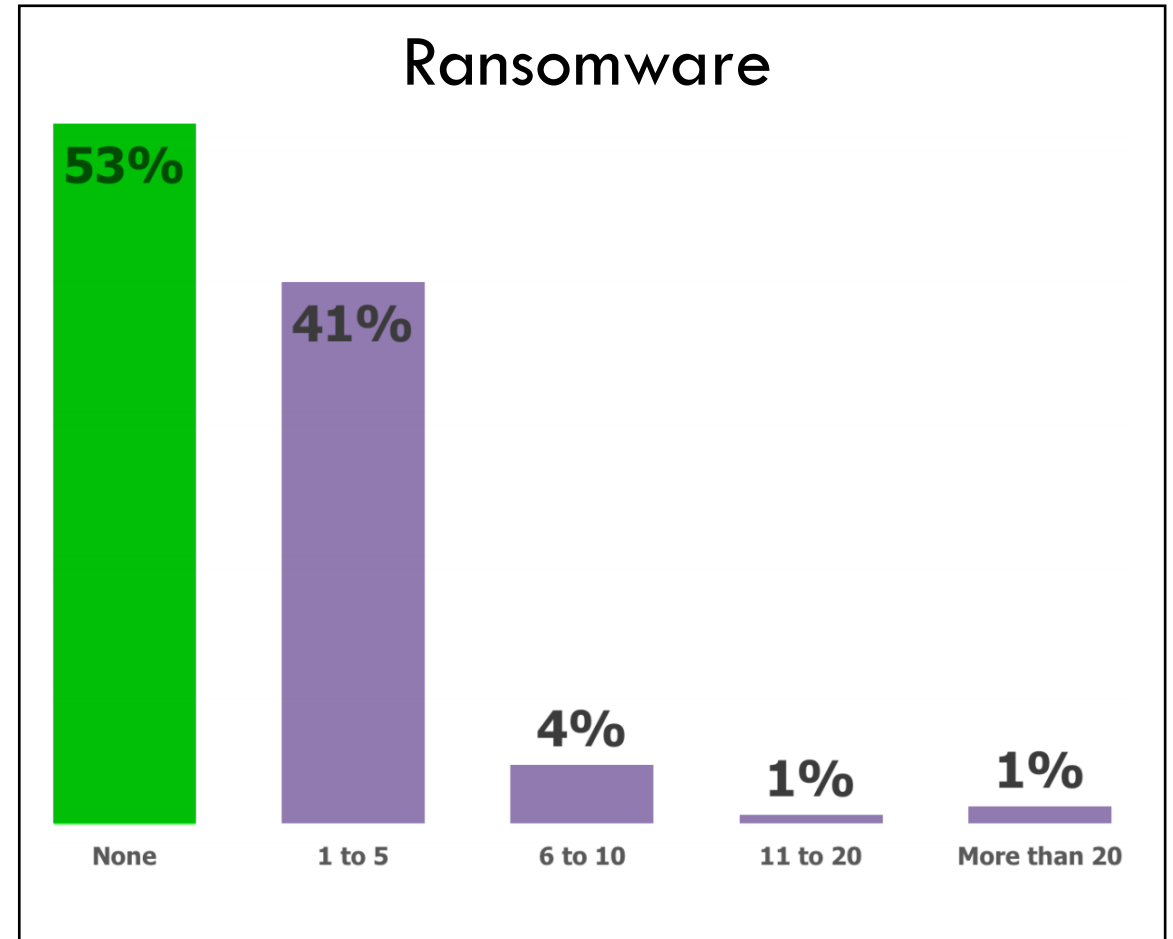
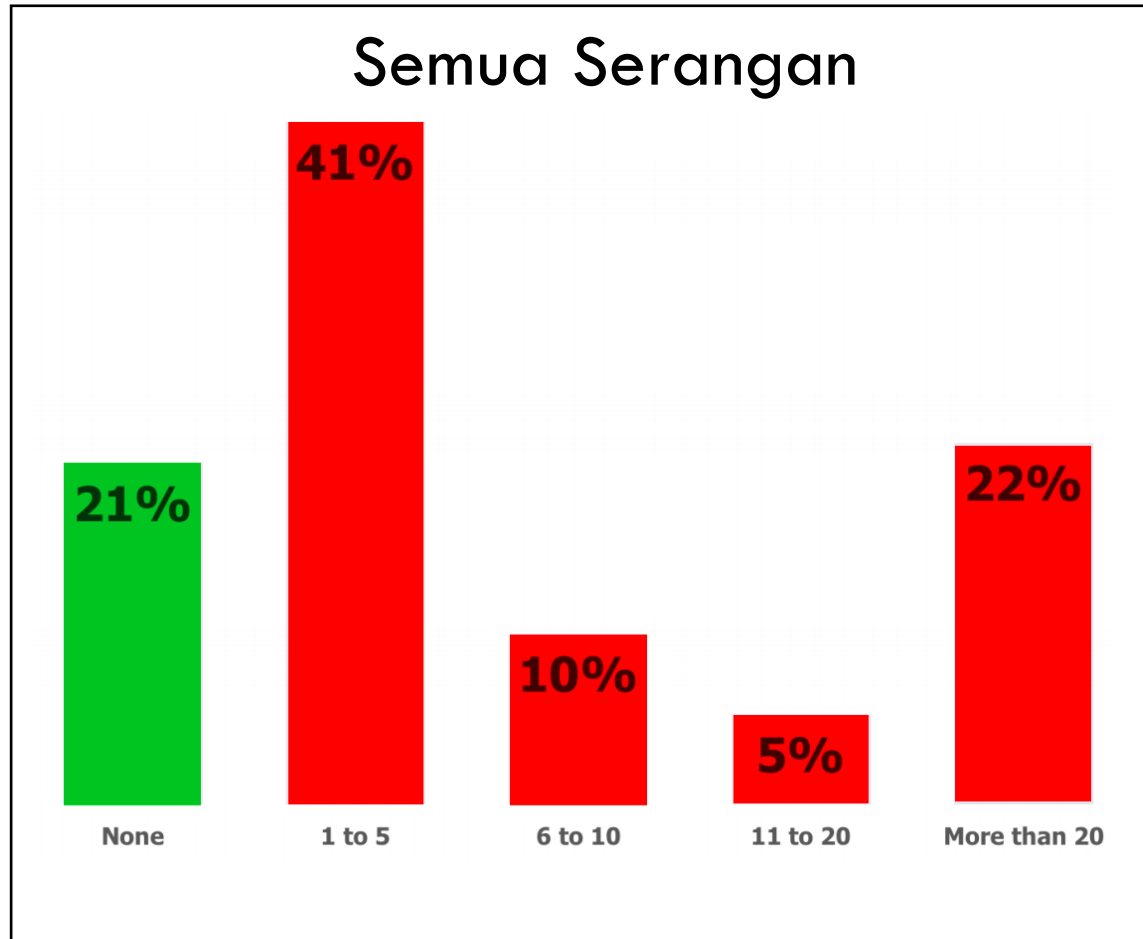


Serangan Siber di Era Pandemi

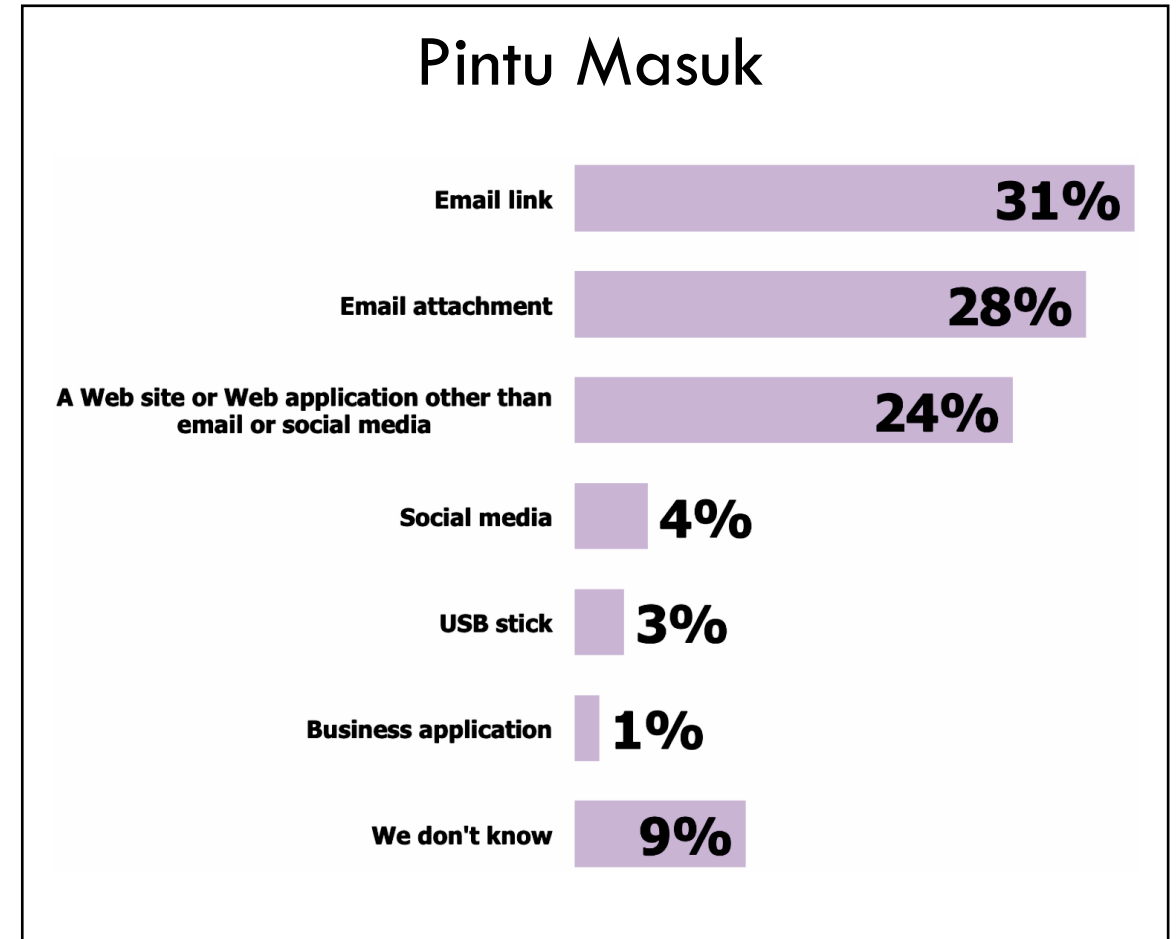
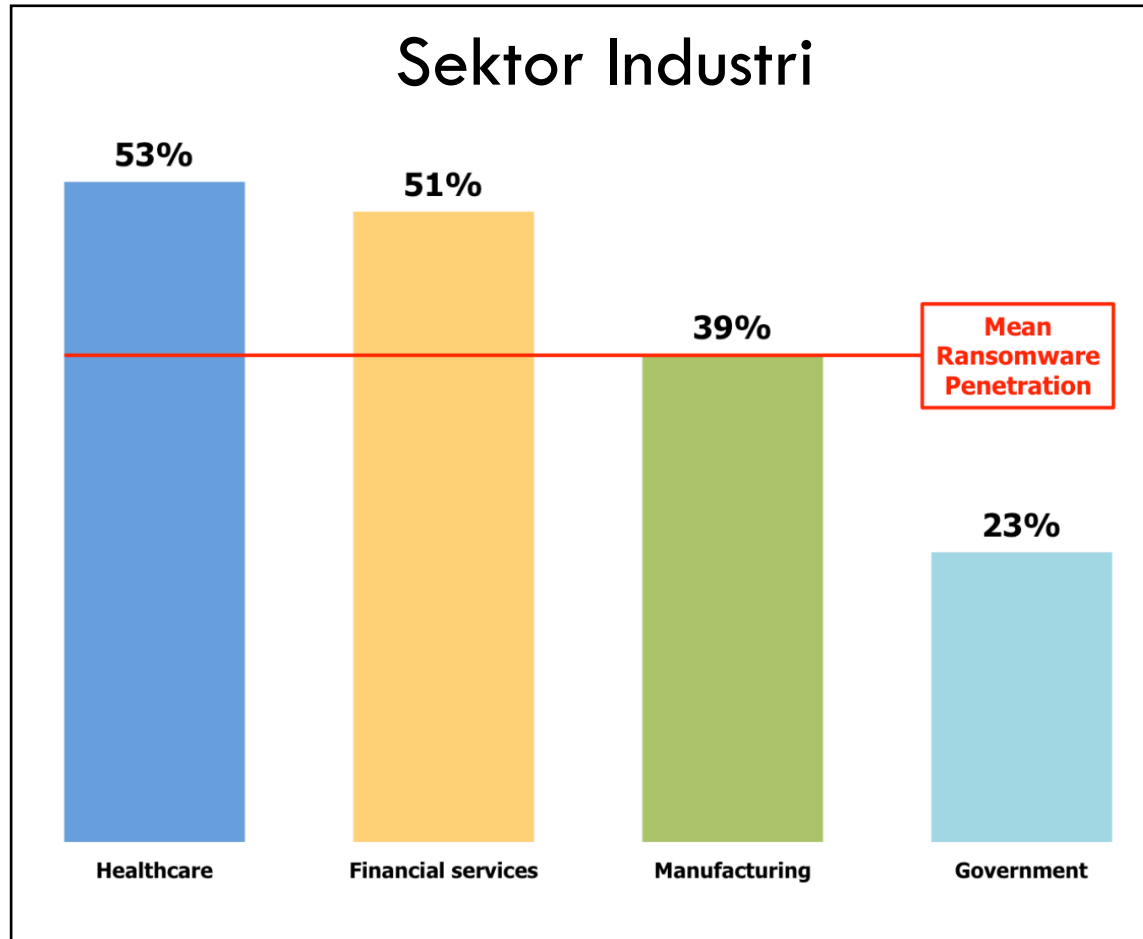
- Adakah peningkatan dari frekuensi serangan siber semenjak karantina COVID-19 dan dimulainya WFH ?



Serangan dalam Satu Tahun



Serangan Ransomware



Ransomware

- Software berbahaya
- Blokir akses ke berkas atau sistem menggunakan enkripsi
- Minta uang tebusan untuk mendapatkan kunci enkripsi



Ooops, your files have been encrypted! English

What Happened to My Computer?
Your important files are encrypted. Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?
Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time. You can decrypt some of your files for free. Try now by clicking <Decrypt>. But if you want to decrypt all your files, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever. We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?
Payment is accepted in Bitcoin only. For more information, click <About bitcoin>. Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>. And send the correct amount to the address specified in this window. After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am GMT from Monday to Friday.

Payment will be raised on
5/16/2017 11:58:59
Time Left
02:23:57:56

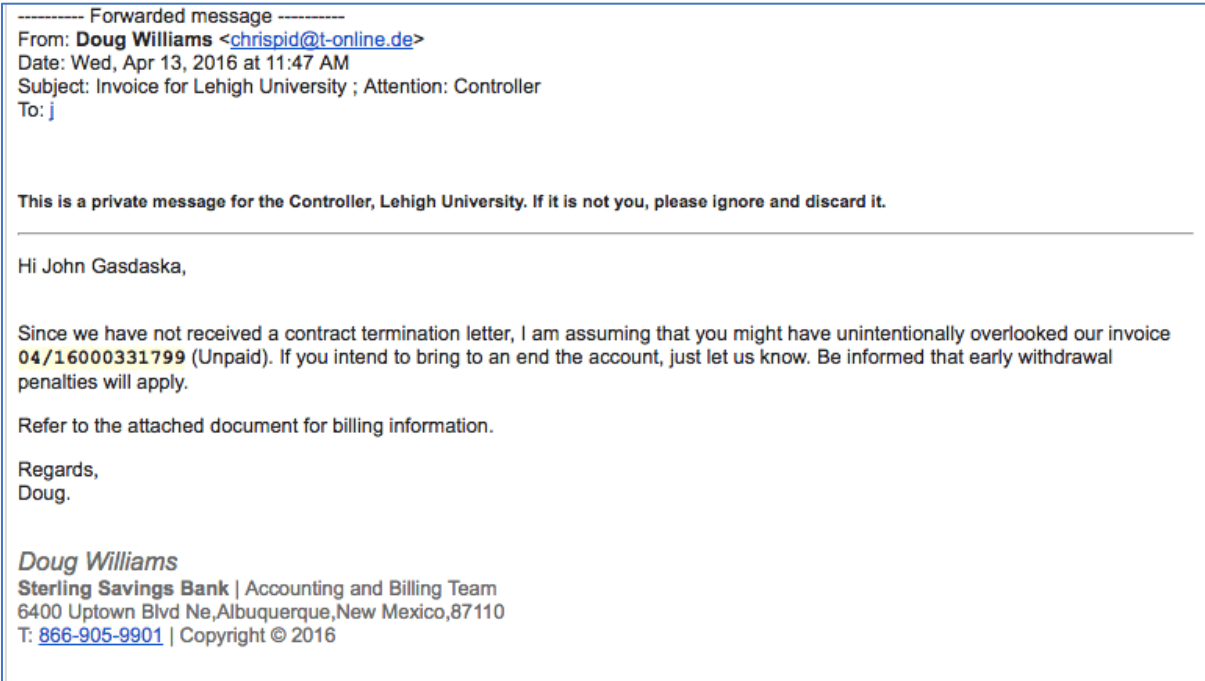
Your files will be lost on
5/20/2017 11:58:59
Time Left
06:23:57:56

[About bitcoin](#)
[How to buy bitcoins?](#)
[Contact Us](#)

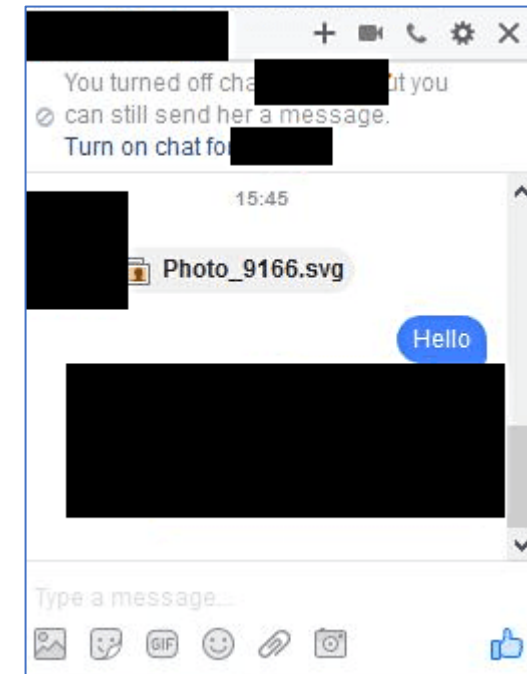
Send \$300 worth of bitcoin to this address:
115p7UMMngo1pMvkhHjRdfJNXj6LrLn

Check Payment **Decrypt**

Vektor Ransomware



Attachment Email



Pesan



Pop-Up

Ransomware 2020

- Ransomware dan pelanggaran data melebur di 2020
- Pelaku ransomware mempublikasikan data yg tidak mau bayar
- Data curian dijual ke pesaing
- Rahasia kotor dipublikasikan
- COVID-19 digunakan untuk phishing

Praktik Terbaik – Terlindung dari Ransomware

- Strategi 3-2-1
 - 3 kopi, 2 jenis media, 1 off-site
- Gunakan *immutable storage*
 - WORM = Tulis sekali, baca berkali2
- Anti-malware di *Backup Server*
- Tingkatkan frekuensi backup
 - Misalnya menjadi setiap 15 menit

Praktik Terbaik Umum

- Hanya buka email atau unduh perangkat lunak / aplikasi dari sumber terpercaya
- Jangan klik tautan atau membuka lampiran di email
 - Subjek yang tidak biasa
 - Datang dari pengirim yang tidak dikenal
- Gunakan sistem email yang memiliki perlindungan dari spam
- Buat cadangan semua berkas penting sesering mungkin, dan simpan secara terpisah dari sistem Anda (misalnya di cloud, di drive eksternal)
- Gunakan anti-virus terbaru dan selalu aktif pada semua sistem dan termasuk perangkat seluler
- Gunakan kata sandi yang kuat dan unik untuk semua sistem, dan perbarui secara teratur