



Ransomware in Healthcare





250 DAYS

6,000 hours

That's the average time it takes for most organizations to know they've had a data breach.

Think about the amount of financial and patient data that can be compromised.

Then think about how that affects your hospital's reputation.



SECURITY IS A BRAND ISSUE

It affects top-line revenue.

In every organization.

Of every size and industry. Especially in healthcare.



Our healthcare customers tell us they are facing:

- **Increased board demands** for greater security value for the investment
- A shortage of **cyber security talent**
- A myriad of **federal, state, and local** cyber security regulations
- An **inability to forecast** their security needs appropriately

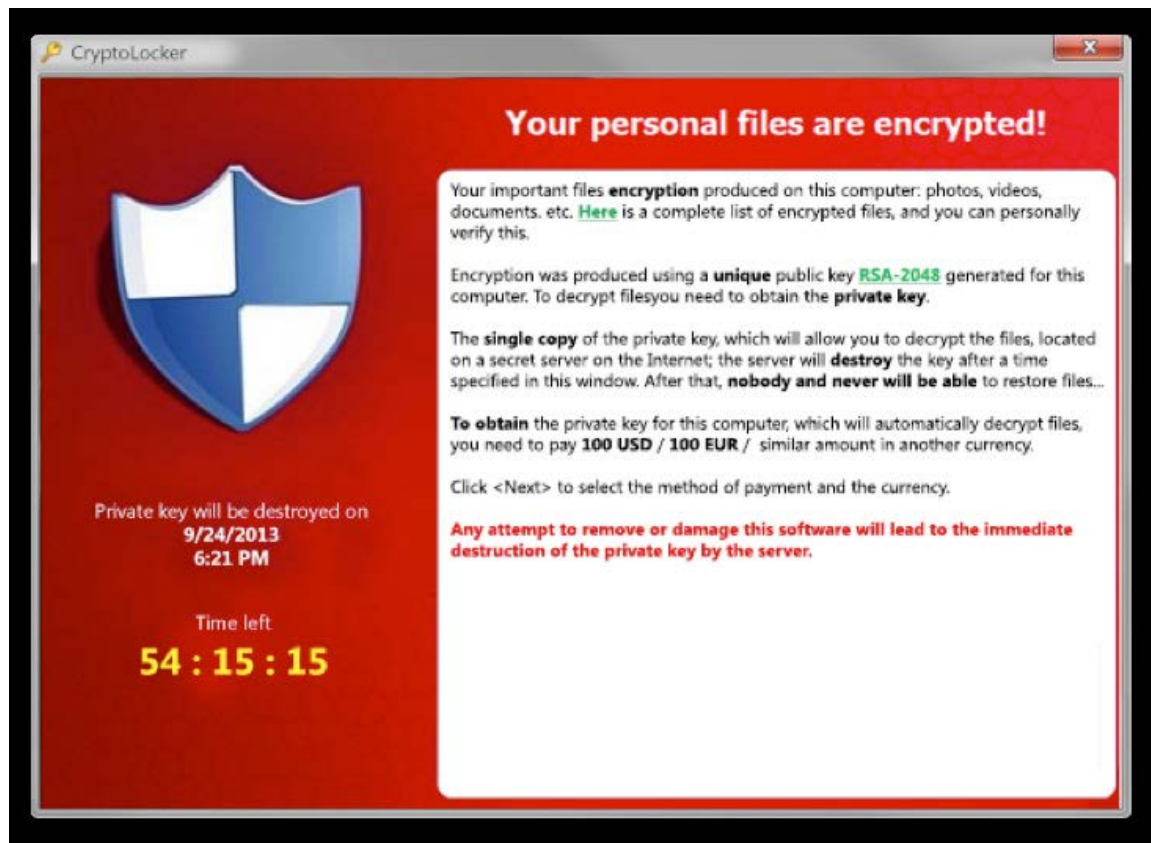
Ransomware 101

- + Dominating the malware market, evolving to become the most profitable malware type in history
- + Campaigns targeting healthcare organizations becoming more widespread and potent
- + Faster, more effective and more sophisticated propagation methods maximize the impact
- + Costs of restoring ransomware compromised systems may be greater than the cost of paying the ransom

Impact on Healthcare

Hospitals are hit
with **88%** of all
ransomware attacks

Example of Ransomware



Yes, They Advertise...

Rent-A-Hacker

Experienced hacker offering his services!

(Illegal) Hacking and social engineering is my bussiness since i was 16 years old, never had a real job so i had the time to get really good at hacking and i made a good amount of money last +-20 years.

I have worked for other people before, now im also offering my services for everyone with enough cash here.

Prices:

Im not doing this to make a few bucks here and there, im not from some crappy eastern europe country and happy to scam people for 50 euro.

Im a professional computer expert who could earn 50-100 euro an hour with a legal job.

So stop reading if you dont have a serious problem worth spending some cash at.

Prices depend alot on the problem you want me to solve, but minimum amount for smaller jobs is 200 euro.

You can pay me anonymously using Bitcoin.

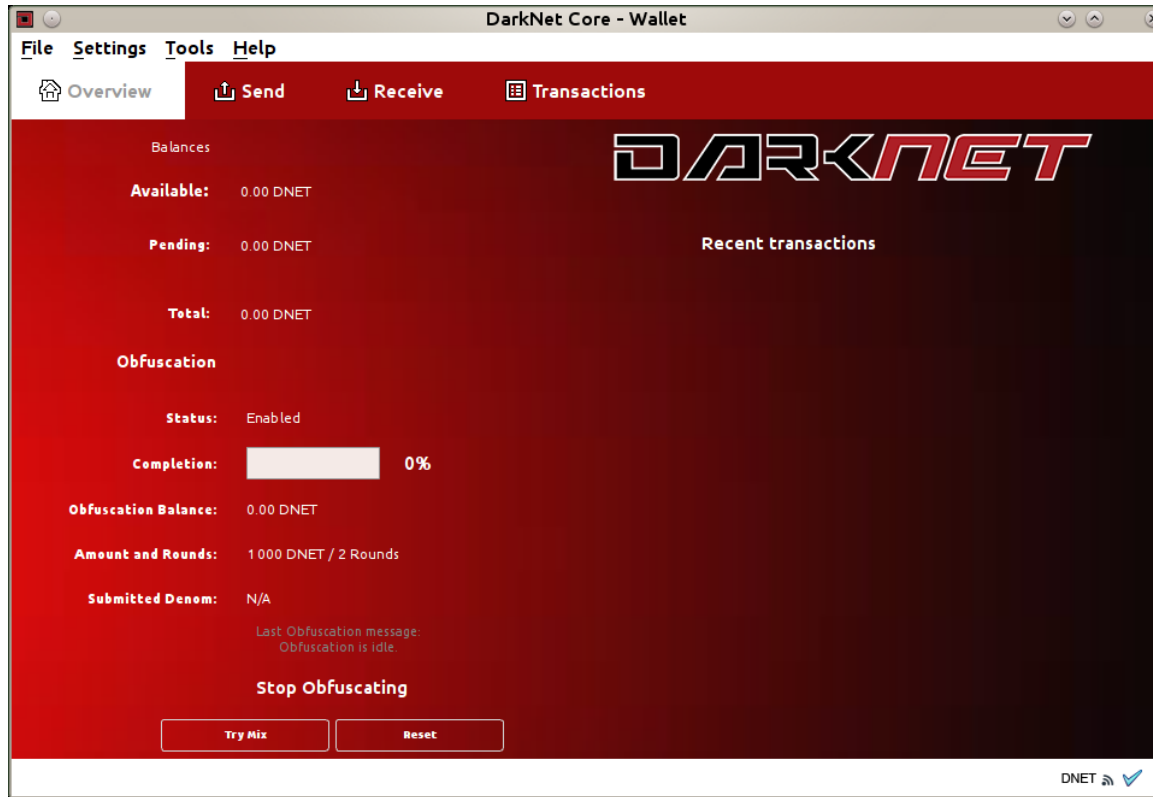
Technical skills:

- Web (HTML, PHP, SQL, APACHE)
- C/C++, Assembler, Delphi
- 0day Exploits, Highly personalized trojans, Bots, DDOS
- Spear Phishing Attacks to get accounts from selected targets
- Basically anything a hacker needs to be successfull, if i dont know it, ill learn it very fast
- Anonymity: noone will ever find out who i am.

Social Engineering skills:

- Very good written and spoken (phone calls) english and german.
- If i cant hack something technically ill make phone calls or write emails to the target to get the needed information, i have had people make things you wouldnt belive really often.
- Alot of experience with security practices inside big corporations.

And They Accept Bitcoin Online



ePlus Ransomware Services for Healthcare

- + Review and evaluate pre-existing security controls and environments
- + Identify proper calibration to prevent / detect
- + Enumerate and strengthen security controls
 - Security Awareness Training
 - Vulnerability Assessments
 - Penetration Tests
 - End Point Controls Assessment
 - System Hardening
 - Incident Response Exercises
 - Restoration Strategies
 - Security Infrastructure
 - Application Whitelisting
 - Egress Whitelisting



Getting Started

+ Short On-Site Visit

Based on hospital size and complexity, to provide insight and training to existing security teams is the best way communicate gaps and strategies

+ Deliverables

- A document that enumerates the gaps and recommendations will be delivered at the end of the visit.
- Knowledge transfer to key stakeholders will prepare them to prevent attack and respond effectively in the event of an attack.

Prevention is the Best Medicine.
Contact ePlus today.



Where Technology Means More®

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