

# Introduction – Who am I

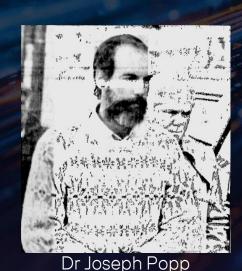


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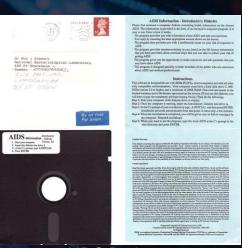
#### What is Ransomware?



Godfather of Ransomware

#### The Origin of Ransomware

- In 1989 26,000 AIDS researchers worldwide received a floppy disk in the mail, disks were mailed from the U.K.
- The disks contained a virus that activated after 90 reboots of the infected PC
- The virus caused files and directories to be inaccessible and displayed a "license" fee demand of \$189 payable to a P.O. Box in Panama
- American Harvard educated evolutionary biologist
   Dr. Joseph Louis Popp was arrested
- Popp was later freed as he was considered psychologically unfit to stand trial, he died in 2006
- The virus Popp created and mailed from the U.K. is credited with expediting the passage of the U.K.
   Computer Misuse Act of 1990 in to law



AIDS Diskette
Envelope & Instructions

#### What is Ransomware?

Conti Ransomware

#### Ransomware - Software

"Software introduced on to systems through criminal methods and used to extort money from an individual or organization by encrypting or otherwise blocking access to applications or files on an infected computer system until a sum of money is paid."





Vitaly Kovalev Alleged Conti Leader

#### Ransomware - Criminal Tactic

Ransomware is a criminal tactic that involves holding data to ransom, with financial demands up backed by extortion threats that may involve permanent encryption of data, the leaking or sale of stolen data, DDoS attacks, further damage to compromised systems, ransom demands from affected third parties or harassment of employees or clients.

Encrypt, Extort, Evolve



#### Ransomware – Business Model Matures

- 2018
- Ransomware competing with "crypto-jacking" malware in the market
- "Big Game Hunting" era begins, entire organisations are targeted
- Average ransomware payments estimated at \$10,000
- RDP brute forcing to deliver ransomware onto corporate networks
- Mass phishing and banking trojans (Trickbot, Emotet) also used

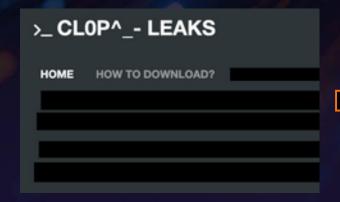
2019

- Average ransomware payment estimated at \$25,000
- Maze ransomware gang pioneers "double extortion"
- Maze demanded \$3.2 mil from Allied Universal

Decentralised "Traditional" RaaS



Centralised Groups



- ☐ "Brand" built in e-crime markets
- Extortion site maintained
- Assistance with negotiations
- ☐ Ransomware executables maintained (maybe)

- ☐ Favours campaigns over ad hoc attacks
- ☐ Core team with technical responsibilities
- May work with RaaS style operators





Shinyhunters are an organized group, targeting engineering & devops platforms via phishing or social engineering to steal data

Scattered Spider act as a loose knit group of ransomware operators, data thieves, social engineering & phishing specialists

Have partnered with ALPHV, DragonForce & Qilin

If "scattered lapsus\$ hunters" make their own RaaS gang we could see:

- ☐ Realignment in ransomware ecosystem
- ☐ Western operators and affiliates abandon Russian gangs
- Russian dominance in the ransomware scene lessens





#### "Controlled Impunity"

- Examples must be made
- ☐ "In group" & "out group"
- ☐ High profile arrests & trials:
  - ☐ September 2024 "Bio" (Conti)
  - Nov 2024 wazawaka
  - ☐ Jun 2025 REvil sentenced
  - ☐ October 2025 Meduza devs
- ☐ Increased paranoia in Russian e-crime ecosystem
- ☐ Group rivalry DragonForce attacks other groups
- ☐ Fractured scene, more variants, quicker turnover

CYBER THREAT ANALYSIS

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# Dark Covenant 3.0: Controlled Impunity and Russia's Cybercriminals

From Insikt Group October 20, 2025



Revil arrests, Russia, January 2022



Mamont Android trojan arrests, Russia, March 2025

Encrypt, Extort, Evolve

Coveware researchers released a report earlier this year:

- ☐ In Q3 of 2025, 23% of victims paid ransomware payments are at an all time low
- □ Data theft only is more popular with gangs but only 19% of victims paid in Q3 2025



Source: Coveware

# Ransomware – The Future

- ☐ New methods to force negotiation or payment
- ☐ Triple, quadruple, etc extortion spaghetti at the wall
- ☐ "Quantity" versus "Quality" of targets for payouts
- ☐ Phishing will become a background hum
- Mass exploitation campaigns will become more popular
- ☐ Social engineering specialization will fill phishing gaps



### Ransomware – The Future



#### Western ransomware gang

- ☐ Able to do "close operations", similar to APTs
- ☐ Alignment of fluent social engineers & operators
- Change of calculus around Russia, China, etc
- ☐ Absorbs existing Western computer crime

#### Hacktivists become proficient with ransomware

- Multiple hacktivist groups already pitching RaaS
- ☐ New political & ideological motives enter ecosystem
- ☐ Move away from DDoS, OT and SCADA vandalism
- ☐ Greater focus on fund raising & monetization
- ☐ Professionalization & organization





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#### Get In touch



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