

Navigating Cyber
Threat Intelligence
Requirements in the
Evolving Threat
Landscape

Robert Wortmann



About the speaker



Robert WortmannPrincipal Security Strategist



"It's both not as bad and much worse than you think"

Many ransomware attacks are not that sophisticated as people want you to believe

Most victims leave the front door open and are not targeted

Ransomware actors want to be seen, others don't

Worry most about the things we don't see



Living in a changing world





Living in a changing world



Crime groups getting ideological

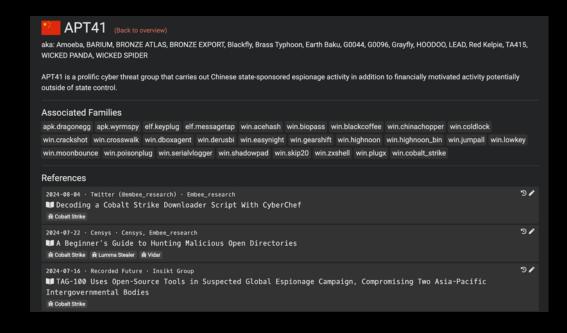
Nation-state with financial motivations

Nation-state using cyber crime as proxy

Hacktivists getting sophisticated



Overlapping interests





Credits to Analyst1



The perks of remote work

PRESS RELEASE

Justice Department Disrupts North Korean Remote IT Worker Fraud Schemes Through Charges and Arrest of Nashville Facilitator



Thursday, August 8, 2024



For Immediate Release

Office of Public Affairs

Defendant Used a "Laptop Farm" to Deceive Companies Into Thinking They Had Hired a U.S.-Located Worker

Matthew Isaac Knoot, 38, of Nashville, Tennessee, was arrested today for his efforts to generate revenue for the Democratic People's Republic of Korea's (DPRK or North Korea) illicit weapons program, which includes weapons of mass destruction (WMD).

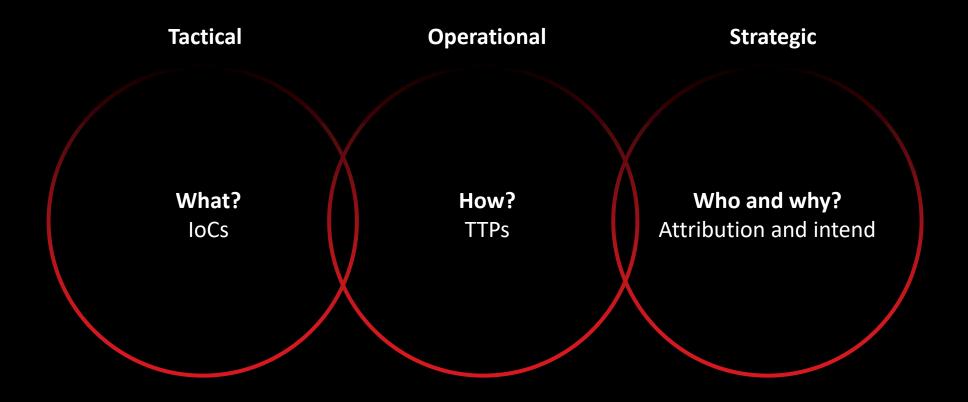


Threat intelligence

"Threat Intelligence is not a feed!"



Threat intelligence





Understanding Risks

Is my organization being targeted right now?

Am I protected against the latest threats and exploits in the news?

What should I do next for this attack?

Is ransomware the only threat to us?

Did I catch everything about this attack?

Who could be interested in us?



Breach Data

What does it really contain?

What does a breach mean besides the obvious?

Are there additional things to find?

Record-Breaking \$75 Million Ransom Paid To Dark Angels Gang

Davey Winder Senior Contributor ①

Davey Winder is a veteran cybersecurity writer, hacker and analyst.





Growing attack surface



Standards versus Emerging Disruptive Technologies

Standards in data

Enables Automation

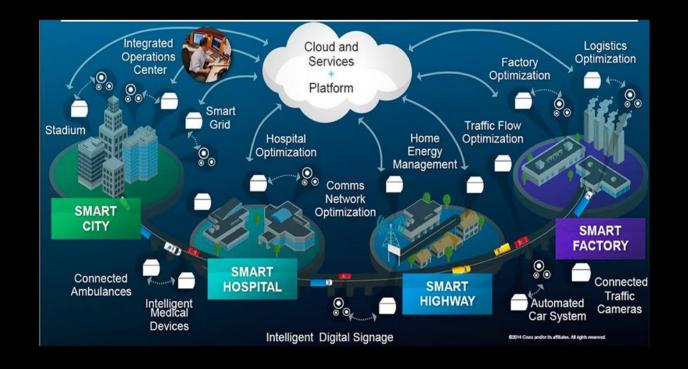
Repeatable Investigative Results

Emerging & Disruptive Technologies

Title says it all

Too new for standards

Product rush to market





Smart Automobiles, that seems interesting

Safety

Apps that alert drivers of impending accident(s)

Uses Geo-Location, velocity, direction, and machine learning

Pedestrian, Cyclists, Automobiles

Changing the view of Mobility

Autonomous Driving

Manufacturer, Rental Companies, Startups

Convenience

Manageable from a smart watch, phone, or laptop



Single Credential Dump

20,000+ car fleet credentials collected by stealers

5,000+ credentials for Volkswagen group, BMW

Almost all auto manufactures identified – including super-cars



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Connecting Autos to Emails





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Smart Car = Mobile 360 Surveillance Platform

- Supports physical crimes
- Assymetrical support during critical events
- State sponsored attacks (espionage)
- Target high profile figures
 - Politicians, C-Level executives, Media Influencers, etc.

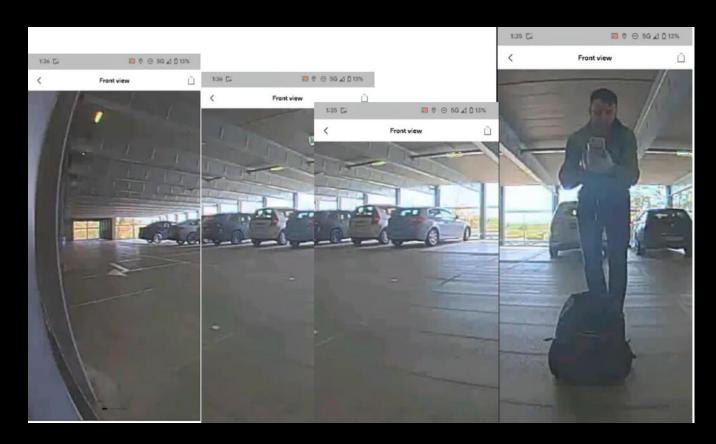


Image of researcher in Munich Germany, captured via the external cameras of a Car – by colleagues located in Taiwan, China, and France



Where Does Our Data Come From?











Trend Research

Threat intelligence and research for consumers, businesses, and governments







Public/private partnerships (e.g. global law enforcement)



Local Research Critical to Understanding Global Threats





More is not Better!

88% of respondents strongly agree or agree that

it is hard to sort through noisy information to find what's relevant to their organization.

69% of respondents strongly agree or agree that

it is difficult to gauge the quality of different feeds/sources.



Know what you're up against

Deep insights on Emerging Threats and Threat Actors at your fingertips

Get to know your adversaries; who they are, what they want, and how they plan to get it.

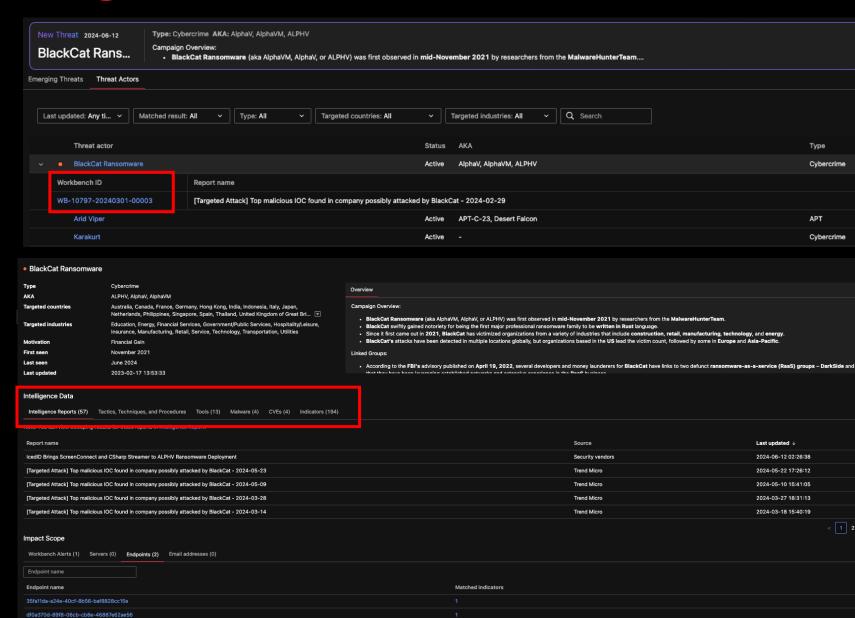




Enrich XDR Alert Investigation

Enhance XDR workbench alerts with detailed threat intelligence

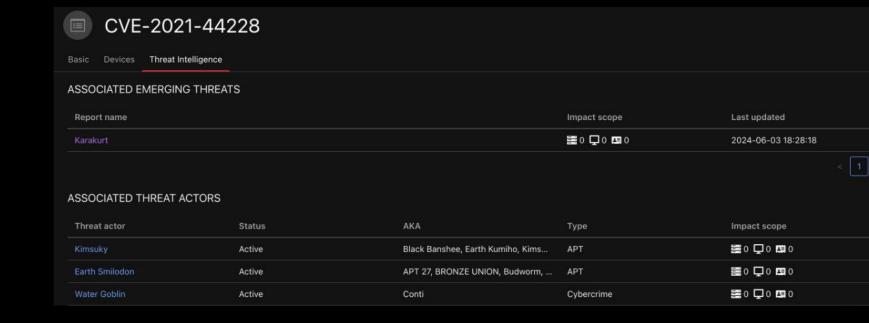
Know the "who, why and how" behind the attack



Elevate ASRM vulnerability management

Get emerging threats, threat actors and hunting queries associated with the specific CVEs in your environment

Enables faster, better risk management decision

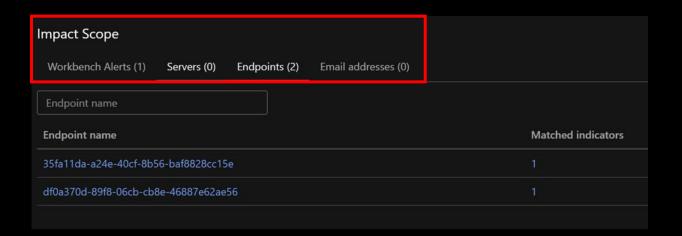




Take proactive action

Plan your defenses

Understand where you're most vulnerable and take action based on risk mitigation recommendations



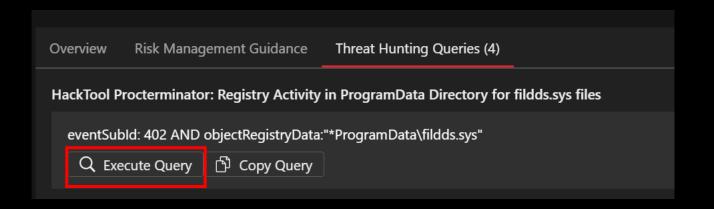




Hunt them down

Get threat hunting queries and results instantly

Leave no stone unturned with threat hunting queries to track down specific indicators

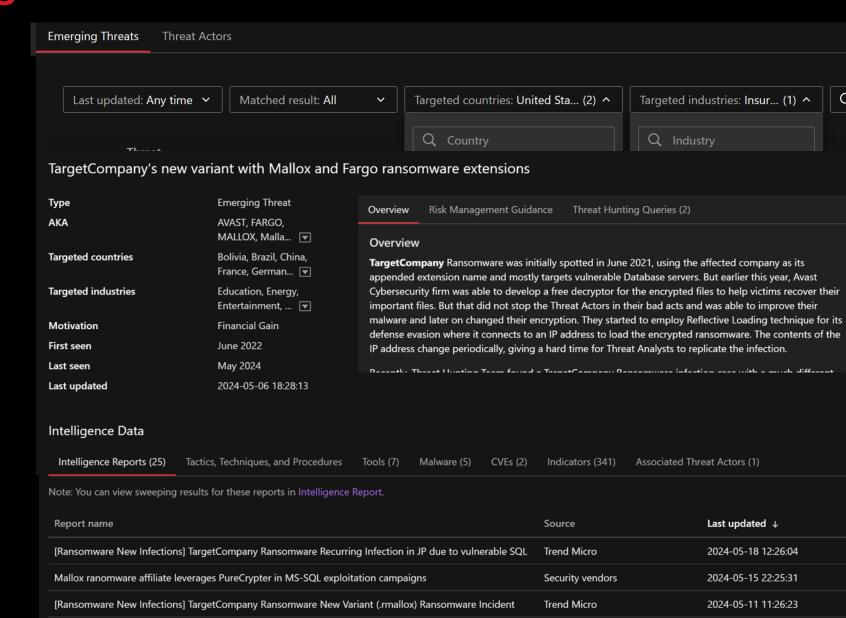




See Threats Coming

Filter emerging threats and actors in your region and industry

Take actions ahead of upcoming threats





Robert Wortmann