

Staffan Truvé, Co-founder/CTO Recorded Future May 2023

truve@recordedfuture.com

·I¦I·Recorded Future®

Partners

·I¦I·Recorded Future®







Idea

Cyber security requires both an understanding of the current global threat picture and insight into how these threats can affect the actual systems of a company or organization.

Recorded Future performs global collection and analysis of threat, actor and vulnerability data. KTH tailors threat modeling and attack simulations of organizations' actual systems according to the current threat picture. By combining these capabilities, in a completely unique way, the relevant threat picture can be assessed in real time and measures taken to reduce the real risk from cyber attacks. Results will be validated together with Swedavia.







Internet → Intelligence



Unstructured/content sources

28 FBI, DHS, HHS Warn of Imminent, Credible Ransomware Threat Against U.S. Hospitals

On Monday, Oct. 26, KrebsOnSecurity began following up on a tip from a reliable source that an aggressive Russian cybercriminal gang known for deploying ransonware was preparing to disrupt information technology systems at hundreds of hospitals, clinics and medical care facilities across the United States. Today, officials from the FBI and the U.S. Department of Homeland Security hastily assembled conference call with bealthcare industry executives warning about an "imminent cybercrime threat to U.S. hospitals and healthcare providers."



устранило две **0-day**

УЯЗВИМОСТИ

В минувшие выходные разработчики Mozilla выпустили экстренное обновление безопасности для Firefox.

Срочные патчи устранили в браузере две уязвимости нулевого дня, которые уже использовались хакерами в атаках.

Две исправленные уязвимости получили идентификаторы CVE-2022-26485(https://www.mozilla.org/en-US/security/advisories/ mfsa2022-09/) CVE-2022-26485 и обе оцениваются как критические.

Проблемы относятся к типу **use-after-free** (программа пытается использовать ранее очищенную память) и обе были обнаруж ены и исследователями из компании **Qihoo** 360.

ены и исследователями из компании Qinoo 360.

Сообщает, что первая из уязвимостей связана удалением параметра

Extensible Stylesheet Language Transformations (XSLT)

во время обработки, а вторая ошибка может быть вызвана неожиданным сообщением во фреймворке **WebGPU** (IPC).

Хотя разработчики не сообщают каких-либо деталей о наблюдаемых попытках эксплуатации этих уязвимостей, баги такого т

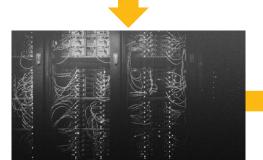
ипа обычно позволяют злоумышленникам выполнять произвольный код на целевых системах. Обе проблемы были решены в релизе Firefox 97.0.2, Firefox ESR 91.6.1, Firefox для Android 97.3.0

и Focus 97.3.0,

сообщает Mozilla.

Технические подробности об уязвимости пока тоже не разглашаются.

Скорее всего, дополнительная информация будет опубликована после того, как большая часть пользователей установит исп равления.





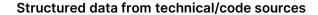


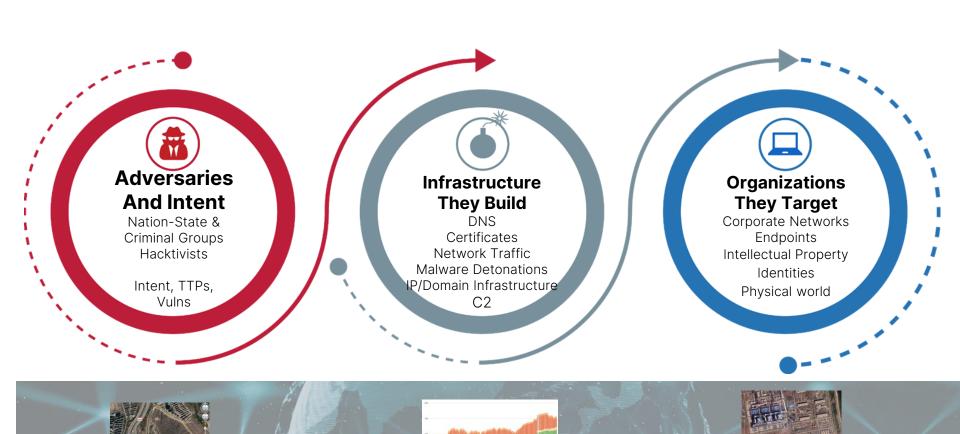












Threat Modelling and Attack Simulations

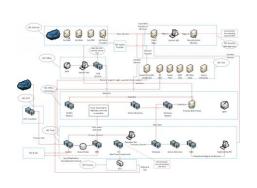
- Attack simulations can evaluate the risks affecting your system
 - Manual system specification
 - AWS or Azure environment
 - Scans your environment and builds a digital copy
 - As granular as you allow it to be
- Probabilistic simulation

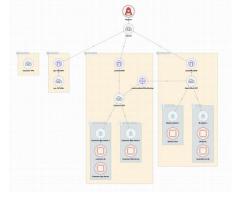


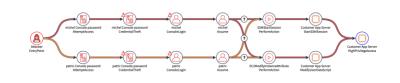




SecuriCAD, how it looks/ works







Environment

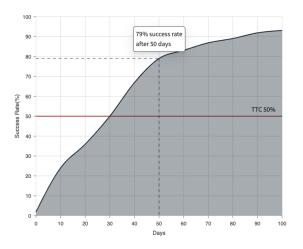
SecuriCAD

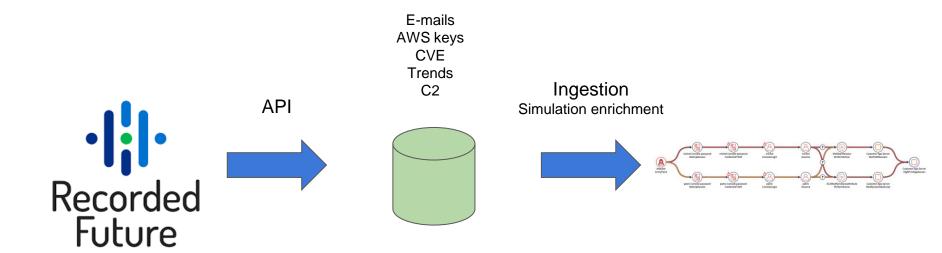
Simulation

Areas of improvement

- Lacks access to current real world data
 - Assumptions based of research
 - Pulls data from "static" lists
 - Slow to react to changes in threat levels

- Manual setting alterations needed to update
 - Reacts to alterations from inside, not outside

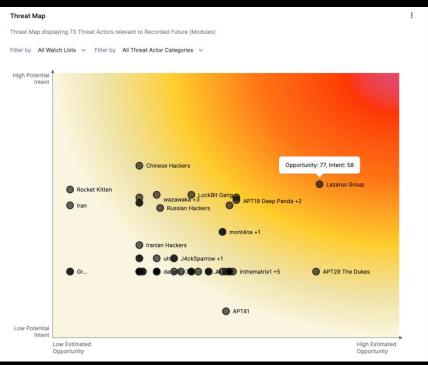




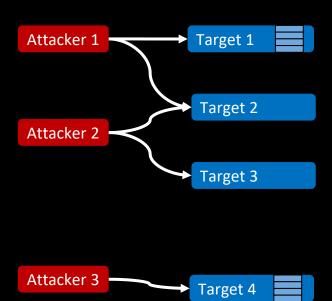
The data

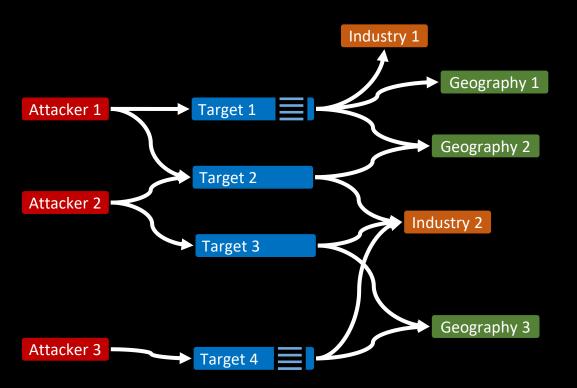
- Credential leaks + AWS keys
 - Parameters that have a powerful impact on simulations.
 - Natural connection between our systems
- CVEs + C2s
- Trends
 - o Industry, Geo, Threat Actors, Attack Vectors

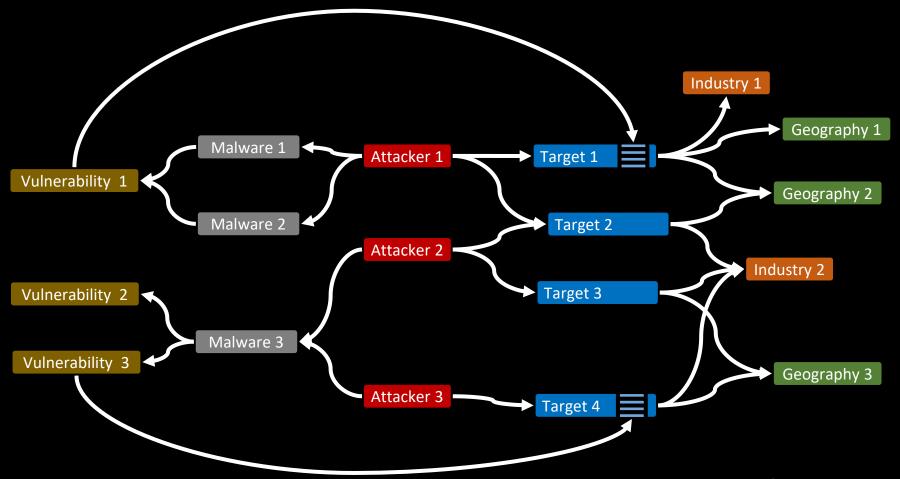
Putting the Intelligence Graph to work: Threat Map

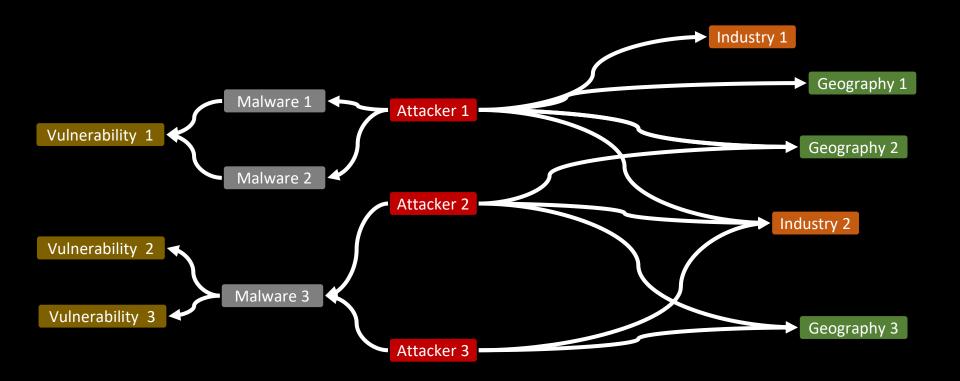


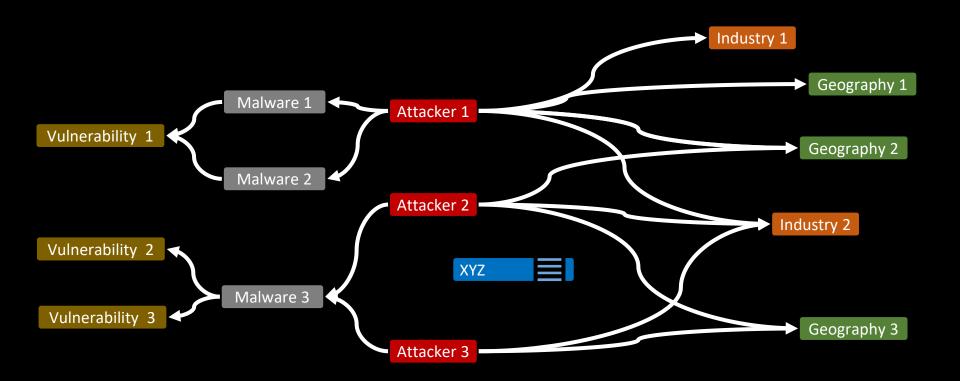
Opportuity

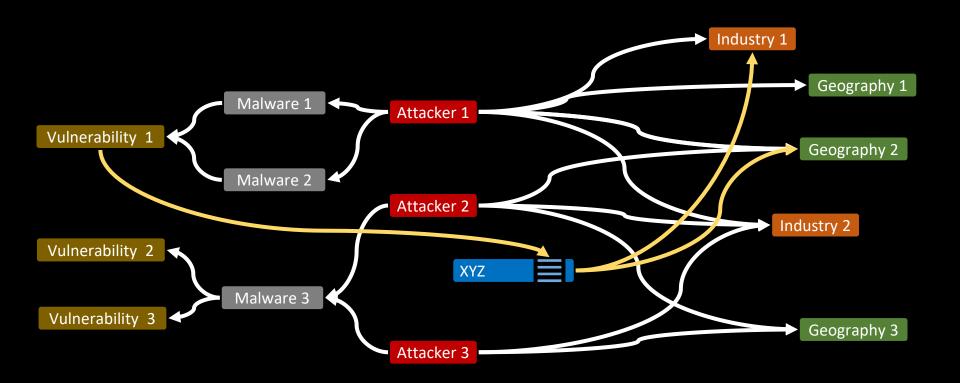


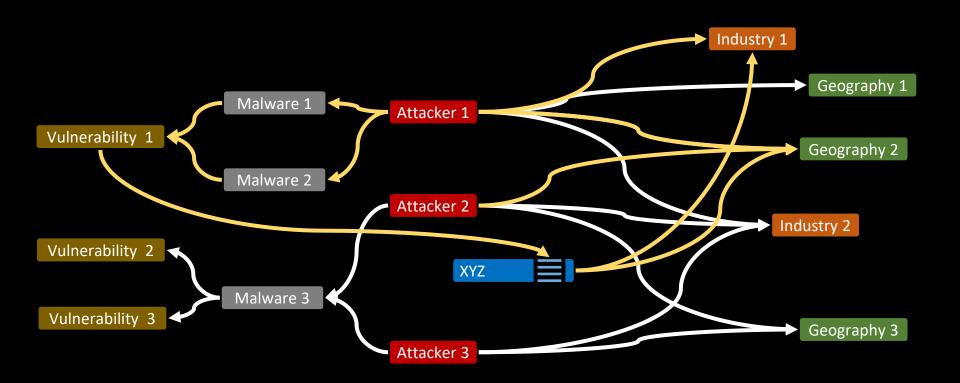


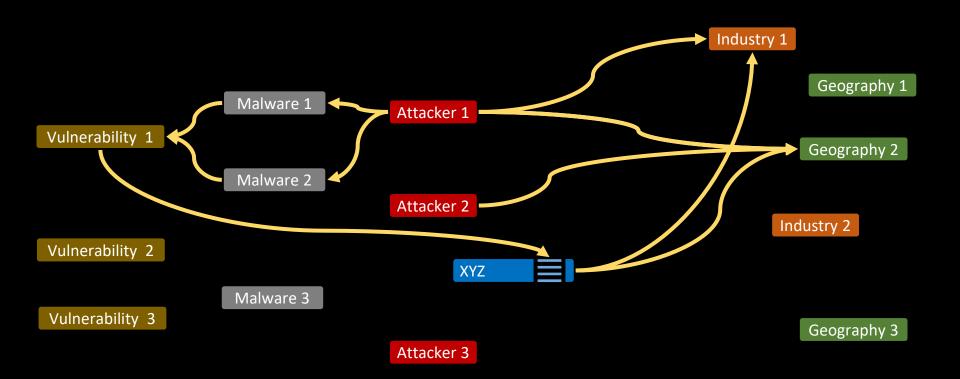




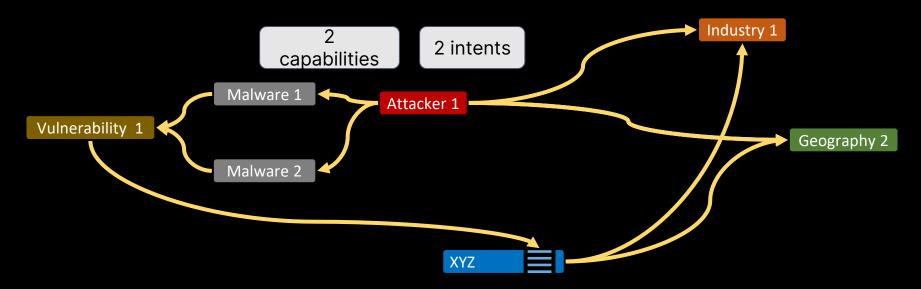








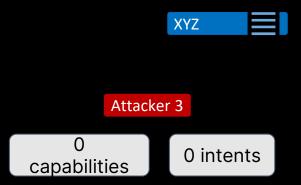
Two Matching Intents, Two Matching Capabilities

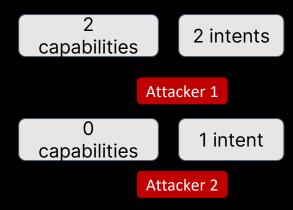


One Matching Intent, Zero Matching Capabilities

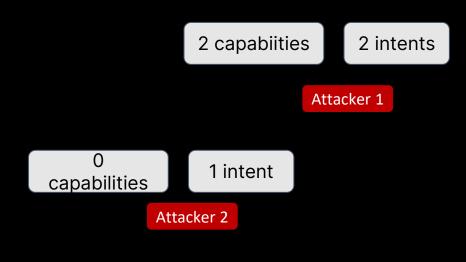


No Connection!







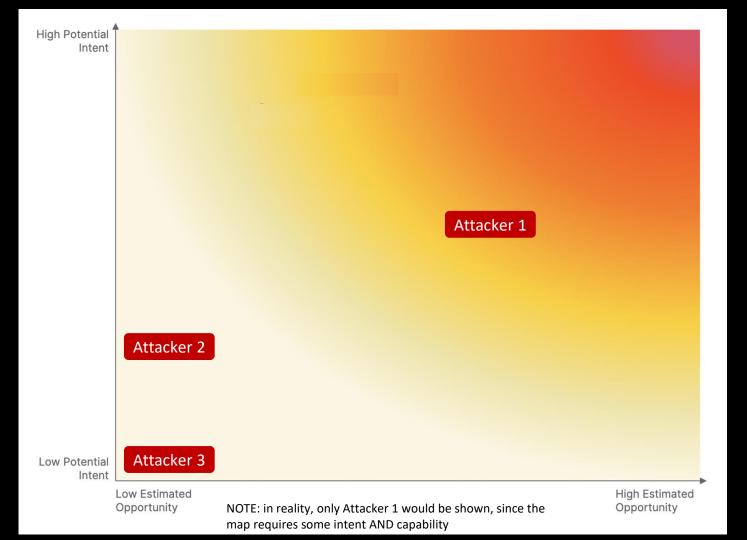




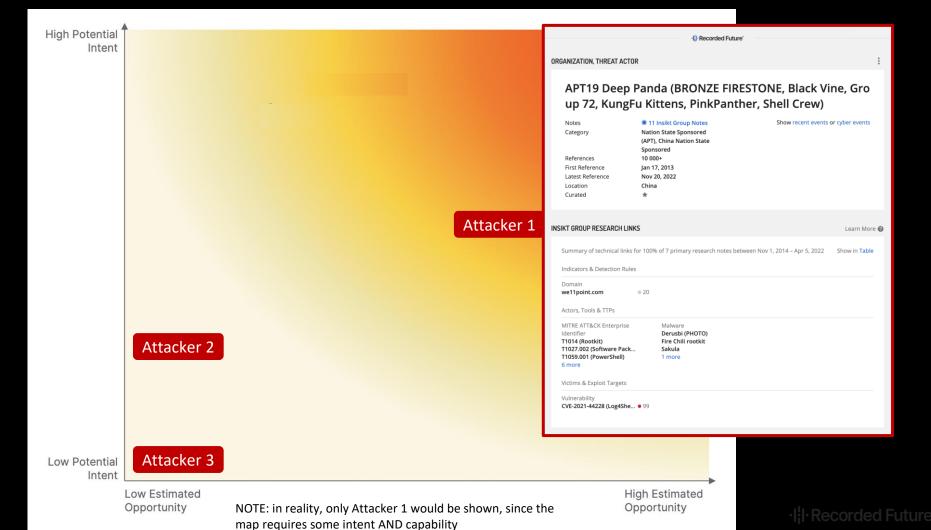




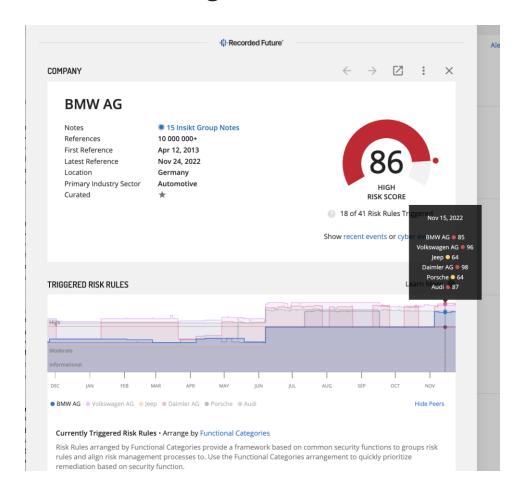
O capabilities 0 intents



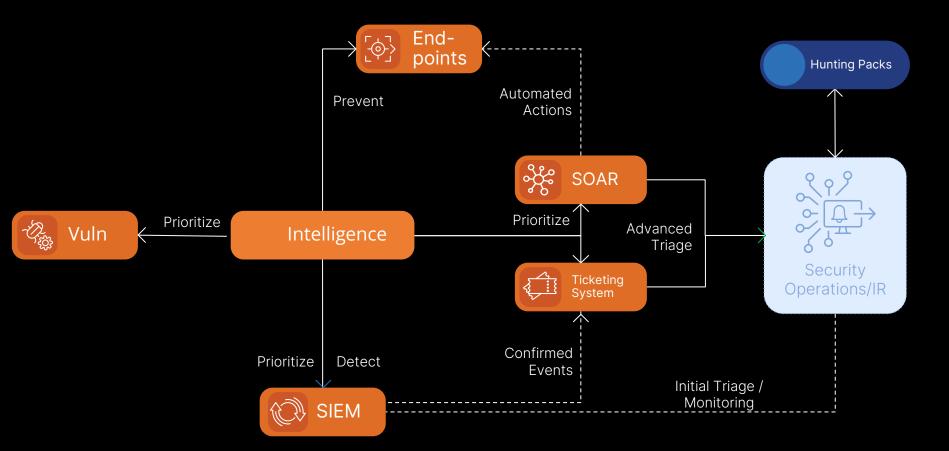
·I¦l·Recorded Future°



Automated Risk Scoring - A Measure of Resilience!



The Modern Security Stack is Automated



Thank you!

Staffan Truvé PhD
CTO & Co-Founder
truve@recordedfuture.com
@truve



·I:I-Recorded Future®