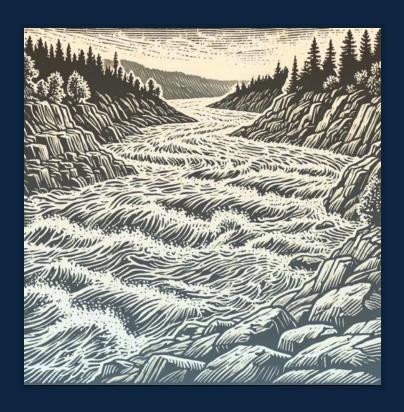
Update on Attack Flow

Mark Haase MITRE Center for Threat-Informed Defense

May 15, 2025 • Brussels





Together, we are changing









Membership is:

- ✓ Highly-sophisticated
- Global & cross-sector
- Non-governmental
- Committed to collaborative R&D in the public interest





Defenders often track adversary behaviors atomically, focusing on one specific action at a time. This makes it harder to understand adversary attacks and to build effective defenses against those attacks.

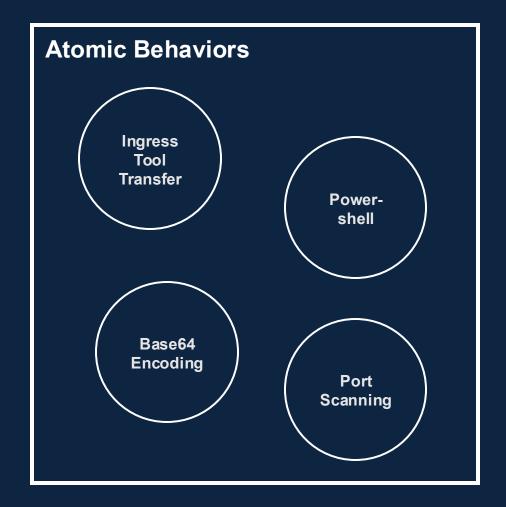


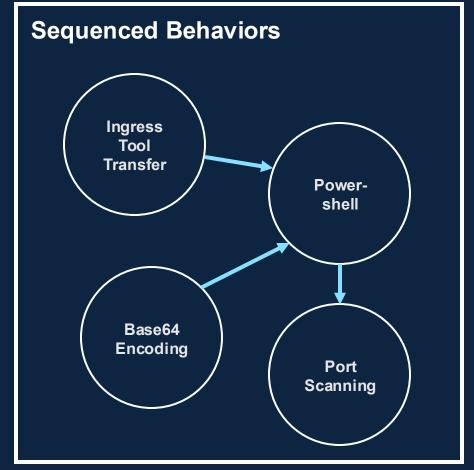
Create a language, and associated tooling, to describe flows of ATT&CK techniques and combine those flows into patterns of behavior.



Help defenders and leaders understand how adversaries operate and compose atomic techniques into attacks to better understand defensive posture.

Atomic Behaviors vs Sequences

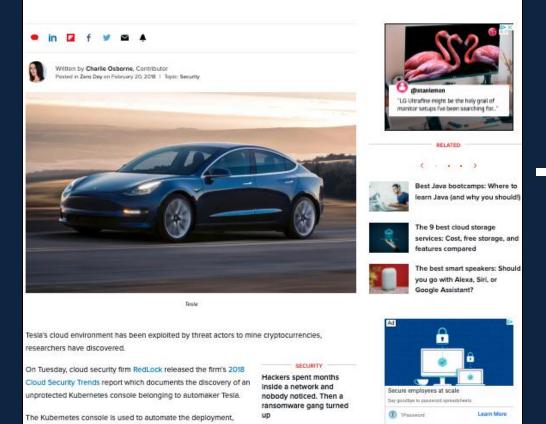


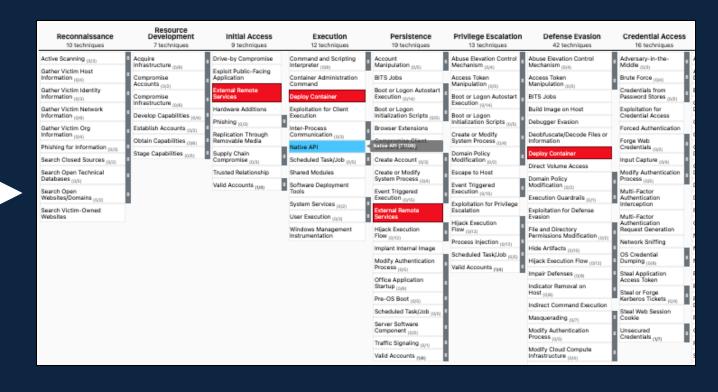


Tesla Incident: Atomic Behaviors

Tesla cloud systems exploited by hackers to mine cryptocurrency

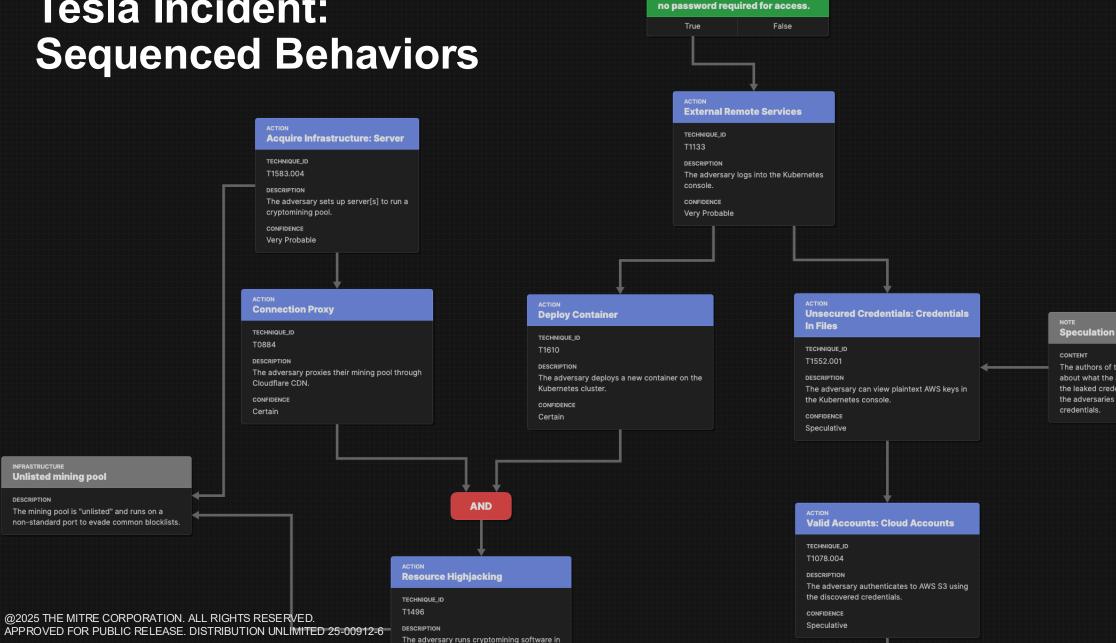
Updated: Researchers have discovered that Tesla's AWS cloud systems were compromised for the purpose of cryptojacking.







Tesla Incident:



the container, configured to use their private

CONDITION

Tesla's Kubernetes dashboard is

exposed to the public internet with

The authors of this post provided speculation about what the attackers could have done with the leaked credentials, but there is no evidence the adversaries even knew about the credentials.

What's Included?



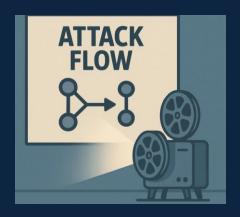
Attack Flow Builder

Web-based tool for creating, editing, and presenting flows.



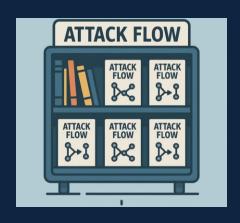
Flow Library

A collection of 34 example flows, useful for learning about Attack Flow, learning about breaches, and data mining.



Visualization

Tools for visualizing flows for different audiences and purposes.



Documentation

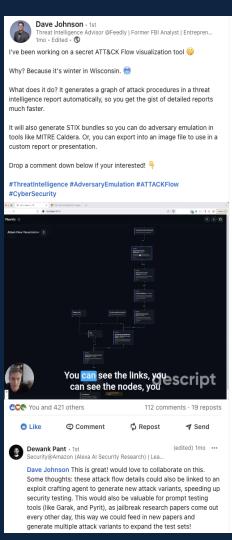
User-friendly introduction to flow, easy access to the library and tools.

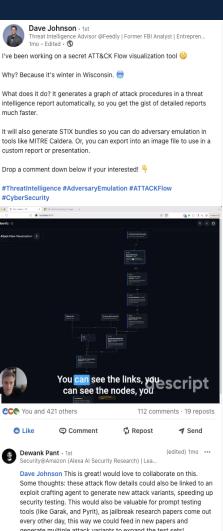
Machine Readable (STIX) Data



Who is using Attack Flow?

- Global community from US to EU to APAC.
- Multinational corporations and small business.
- Threat modelers, red teamers, CTI analysts, defenders.







David Greenwood · 1st

I build products that make threat intelligence analysts go; "Wow! That's wh...

txt2stix now supports automated Attack Flow extraction for MITRE ATT&CK references in reports.

I've update the last part of my blog post (linked in the post below) with some



For a long time, I, like many of you, have been tagging detection content with ATT&CK Techniques.

Sometimes, ashamedly, I tout full detection coverage for a particular threat. I show off the ATT&CK Navigator highlighting how all the detections cover the ATT&CK Techniques an intel team has discovered an adversary to use

The reality is, although this captures a lot of information, and is often betterthan-nothing, it still lacks a key component - time (or flow!) of techniques.

Many people incorrectly read the ATT&CK Matrix as a flow. They assume the flow of an attack moves from left to right. This is incorrect in many instances where an attacker jumps backwards and forwards in their attempts to achieve an objective.

The point is this; the ATT&CK Matrix alone does not provide enough to describe how an adversary might work and that's where Attack Flows come in.

https://lnkd.in/ezaPN4rB



Beyond the ATT&CK Matrix: How to Build Dynamic Attack Flows with STIX

dogesec.com



Gert-Jan Bruggink · 1st

Founder & CEO, Venation | Proven Systems for Smarter Decisions

ve been succesfully modeling threat scenarios for over 7 years. Here's how I recently updated my 'system' with Attack Flow:

believe that cybersecurity needs a support function that helps understand variables (threats) that drive risk + support explicit decision making on what to

To do this right, you need a system

Most teams understand WHY you need to do this. Some even have figured out HOW, Today, I'll show you WHAT you can do right now to integrate this in your daily workflow using Attack Flow.

Copy it into your internal procedures and create your own!

et's make this week count!

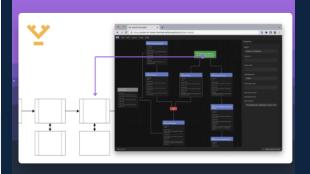
you want systems directly in your mailbox, join our newsletter for the complete

30 here: https://lnkd.in/eWwxc5bQ

Found my content useful?

Share it with your network & follow Gert-Jan Bruggink and Venation for more.

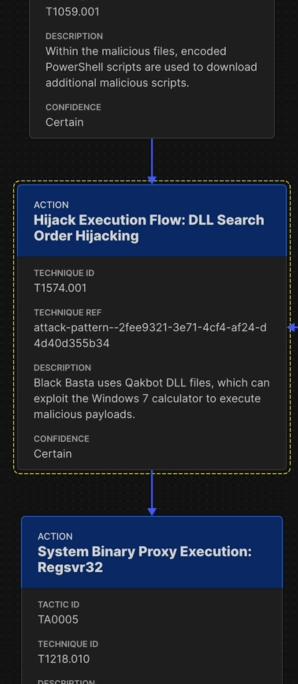
#CyberSecurity #RiskManagement #ThreatModeling #ThreatScenarios



What's next?

Attack Flow 3.0 July 8th 2025

- Refined look and feel
- Dark and light modes
- Blog mode: embed interactive flows on web pages
- Import STIX bundles
- Numerous efficiency and productivity improvements
- Fully backwards compatible



MALWARE **Qakbot**

DESCRIPTION
aka Qbot; Windows malware strain that has
evolved into a malware dropper

MALWARE TYPES dropper

IS FAMILY

communicates-with-c2, installs-other-components

DESCRIPTION

TECHNIQUE ID

reneur32 eve is used to evenute a malinious

Thank You



https://ctid.mitre.org