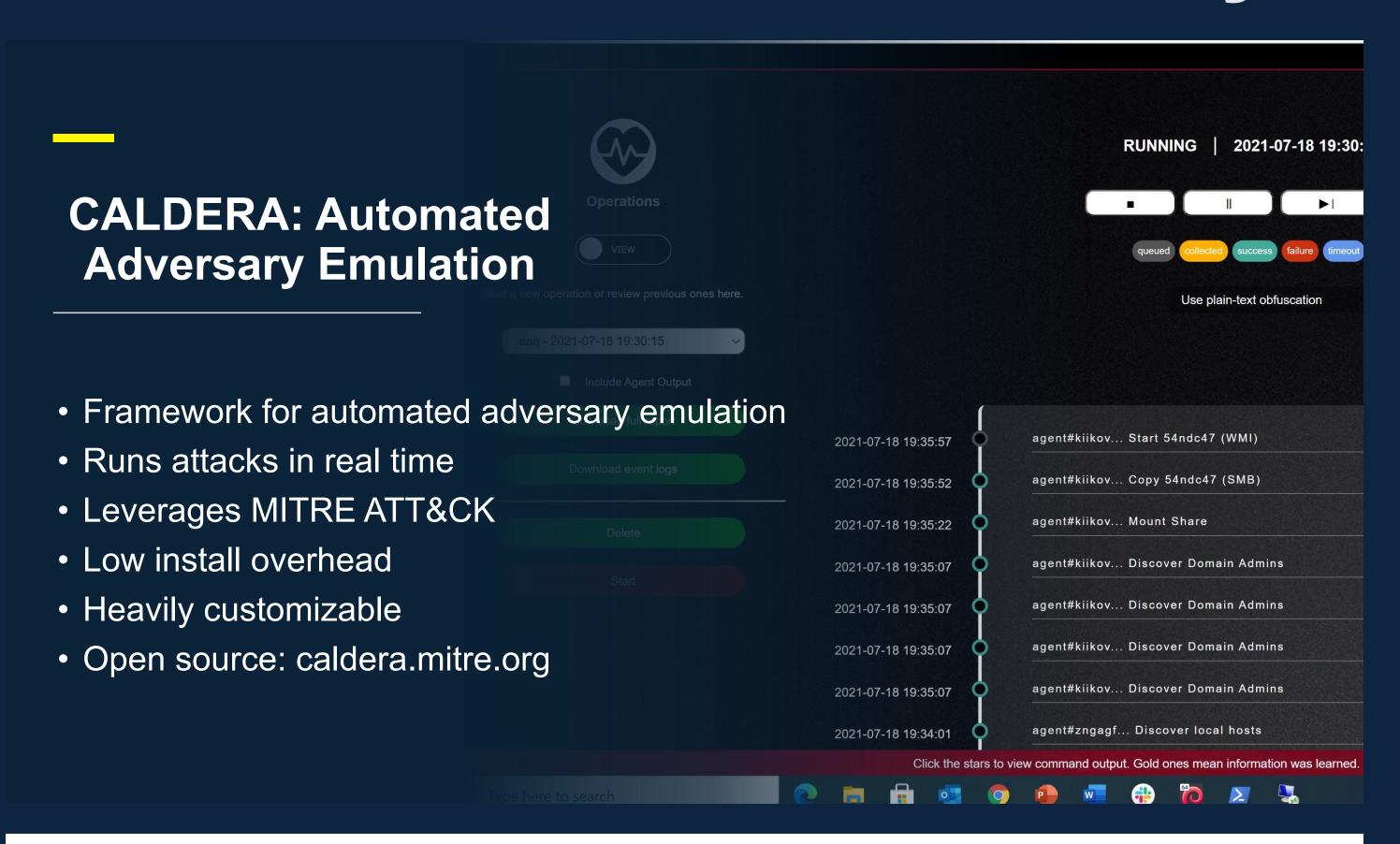
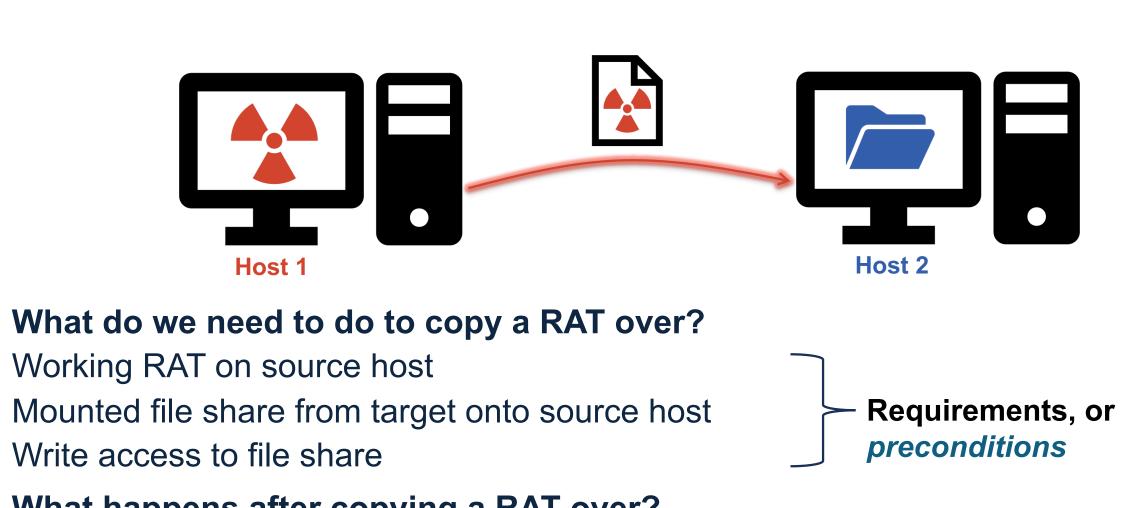
CALDERA: A Red-Blue Cyber Operations Automation Platform



Analyzing Copying Over a File

Need: Elevated RAT

• Get: Credentials



What happens after copying a RAT over?

There will be a new file on the target host
That file will contain the RAT

Consequences, or postconditions

Dump Credentials

Mount Share

Copy File

Sequence of actions, or *plan*

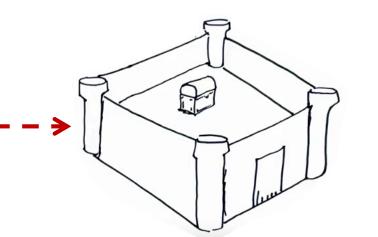
Need: Credentials

Get: Mounted Share

Need: Mounted Share

• Get: File on Target





THINK LIKE AN

ADVERSARY!

Stress test your network by executing a real (controlled) attack

Put your defenses to the test by empirically testing them

See what would happen if an adversary were to breach your network

Simulate the goals and actions of a real adversary

Pursue objectives and chain execution like a real attacker Emulate the techniques of an adversary that's likely to target your network

Evaluate your defenses after the exercises

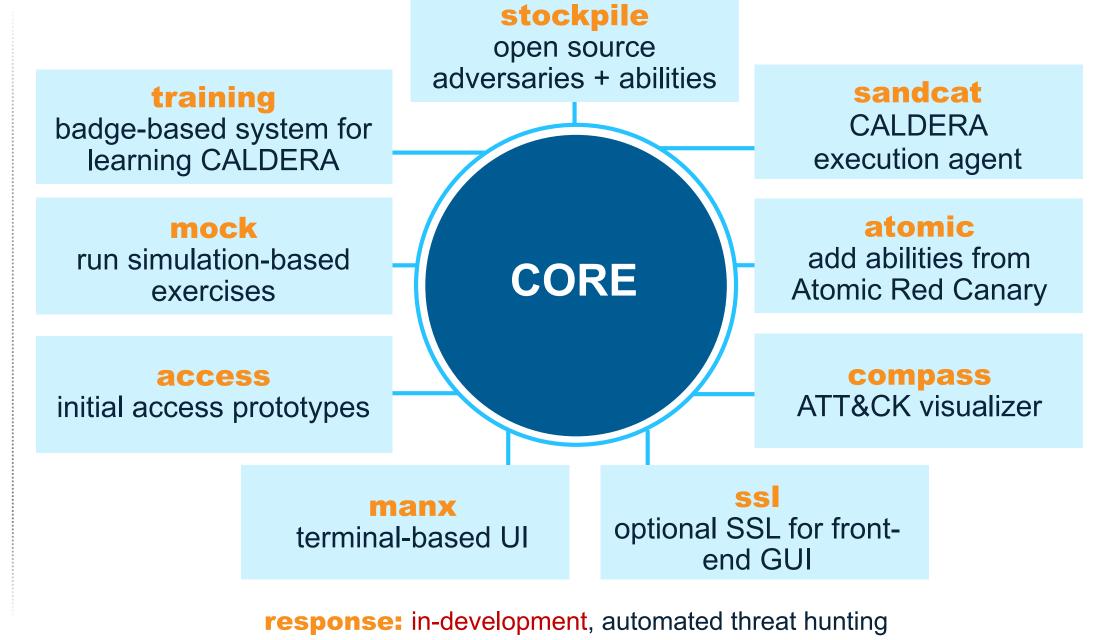
How far did the attack get?

How much were you able to detect?

What can you do to improve your defenses?

Under the hood CALDERA's modular plugin architecture

Core system with modular plugin architecture



gameboard: in-development, red vs. blue games

Impact:
can
rapidly
integrate/
partition
code!