

# ATTACKMATE

#### A modern open-source tool for automating cyberattacks

Wolfgang Hotwagner

#### ABOUT ME

# Linux Enthusiast

Developer

Logdata Miner

**Open-Source** 

Testbed

**Research Engineer** 

Vulnerability Lab

Exploit Developer

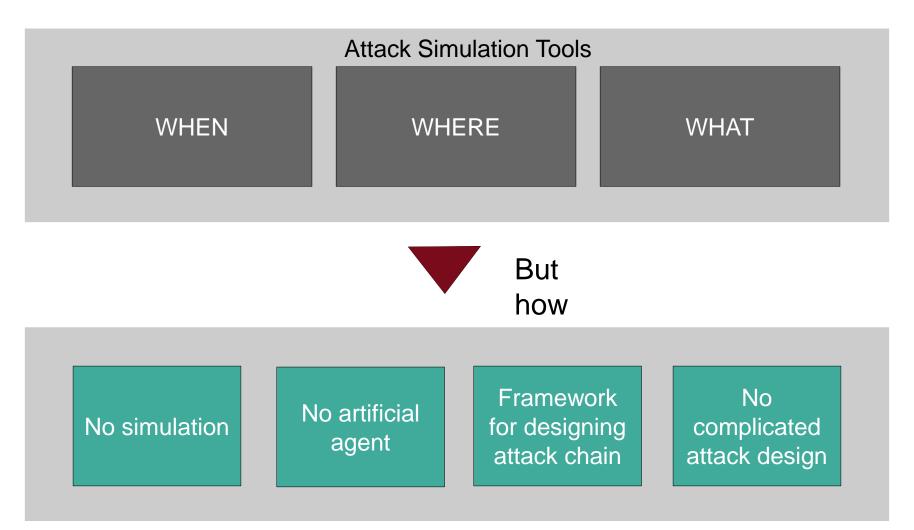
Pentester

# TOOLS

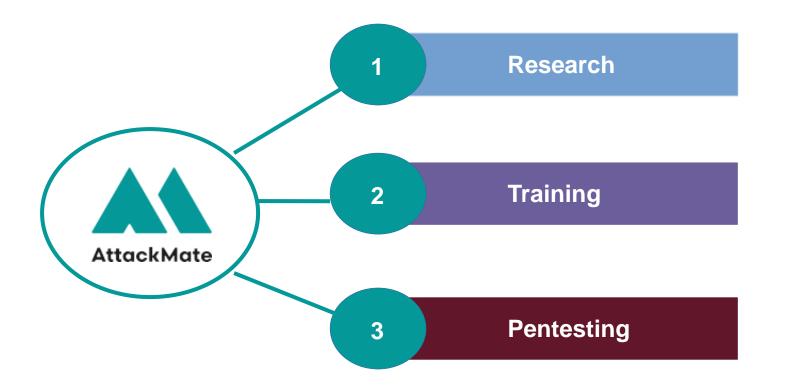
- MAL
- enterpriseLang
- powerLang
- Lore
- Sly
- CARTT
- Kyoushi
- CALDERA
- Atomic Red Team
- DumpsterFire Toolset
- Firedrill
- Mordor
- Infection Monkey
- Red Team Automation
- Stratus Red Team from DataDog
- Metta
- Encripto Blue Team Training Toolkit



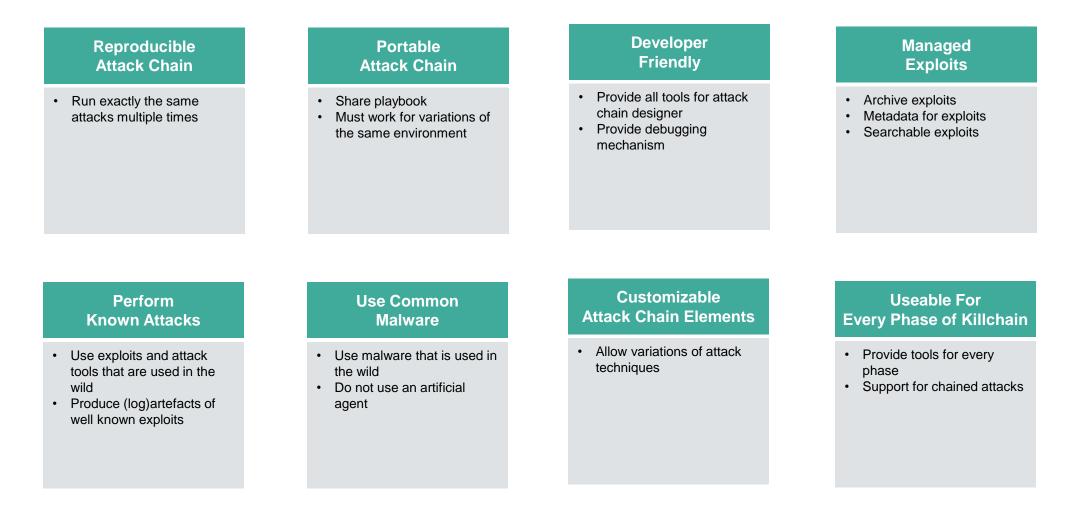
# ATTACK AUTOMATION – MISSING PART



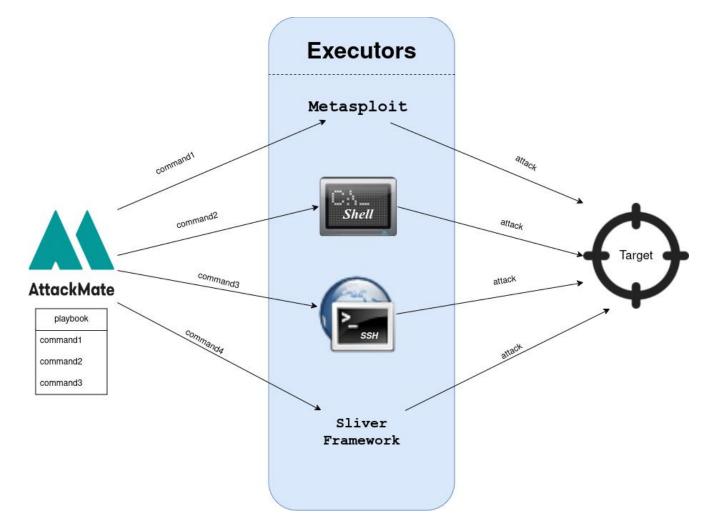
#### **APPLICATION AREAS**



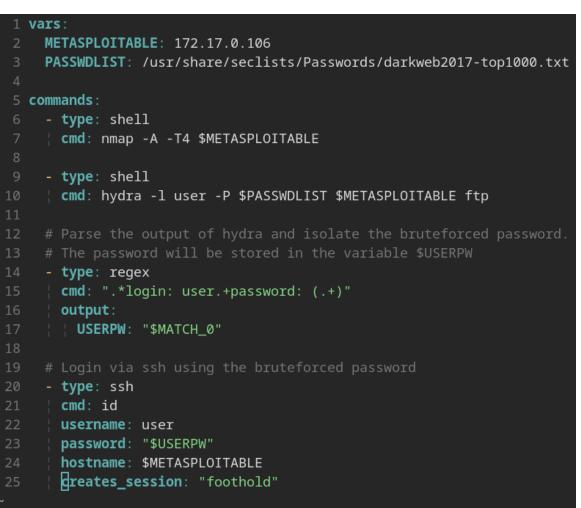
#### ATTACK AUTOMATION – DESIGN PRINCIPLES



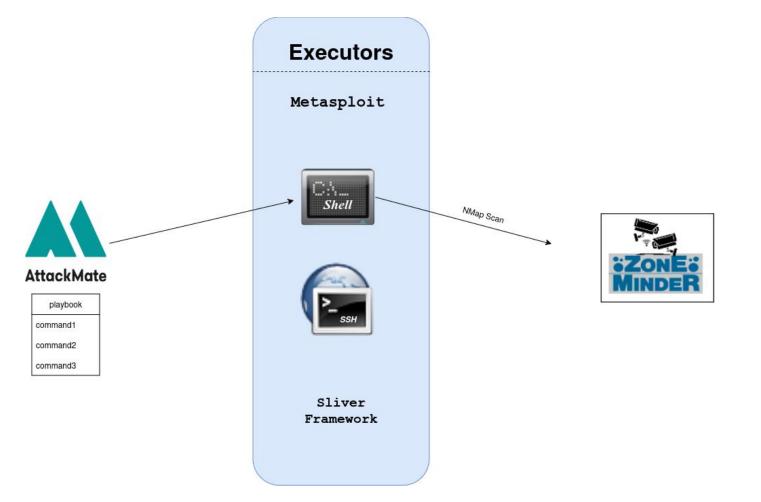
#### ATTACK AUTOMATION – CONCEPT



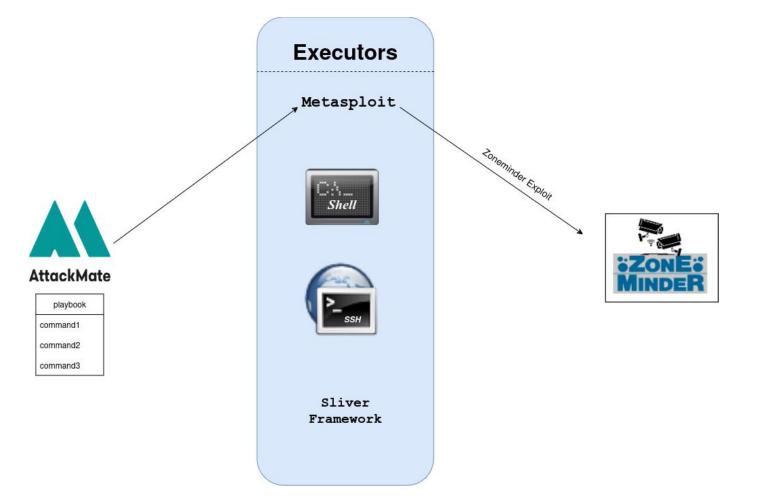
#### ATTACK AUTOMATION – PLAYBOOK



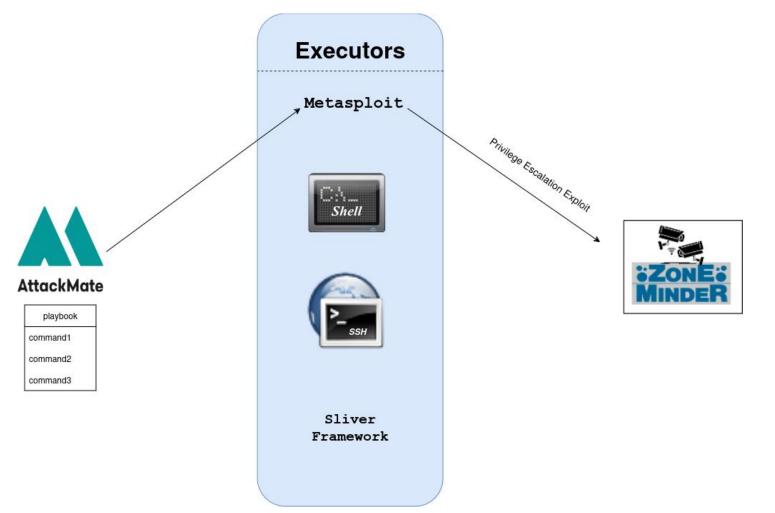
# DEMO: NMAP SCAN



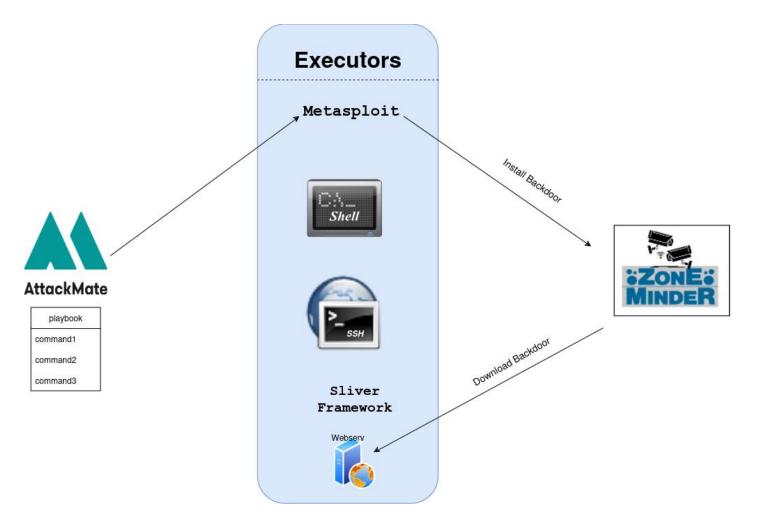
# DEMO: ZONEMINDER EXPLOIT



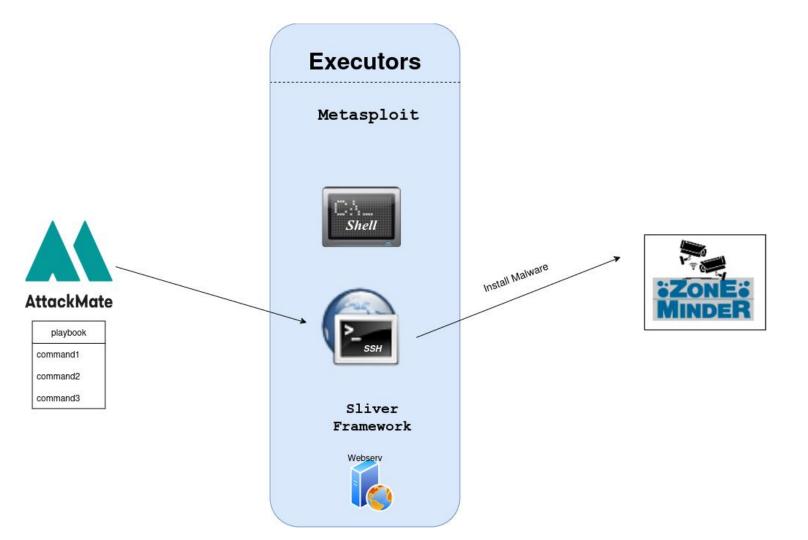
# DEMO: PRIVILEGE ESCALATION



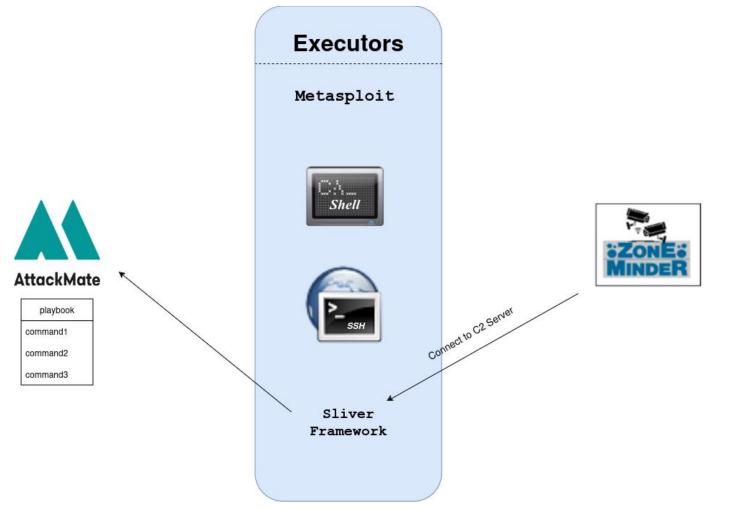
#### DEMO: INSTALL BACKDOOR



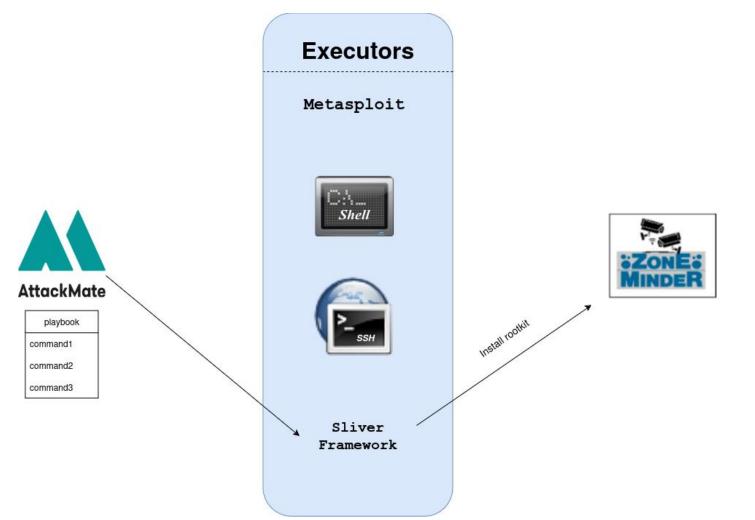
#### DEMO: INSTALL MALWARE



# DEMO: COMMAND AND CONTROLL



#### DEMO: INSTALL ROOTKIT





# THANK YOU!

Wolfgang Hotwagner, June 2024

- Source: <a href="https://github.com/ait-testbed/attackmate">https://github.com/ait-testbed/attackmate</a>
- Docs: <u>https://aeciddocs.ait.ac.at/attackmate/current</u>



# INCLUDE: INPUT > ROUTINE > OUTPUT

main.yml
1 ∰ main.yml:
2 vars:
3 FOO: "hello world"
4 commands:
5 - type: debug
6   <b>cmd</b> : Loading commands from another file
7
8 - <b>type</b> : include
9   local_path: do work.yml
10
11 - type: debug
12   cmd: "Output from do work: \$BAR"

	work.yml
1	🛱 do_work.yml:
2	commands:
3	- type: debug
4	cmd: \$F00
5	
6	- type: setvar
7	<b>cmd:</b> simon says \$FOO
8	variable: BAR

# SESSION + INTERACTIVE

