



LABYRINTH

W / I T H[®]
secure

Labyrinth Deception



Drugačiji pristup za praćenje mreže?



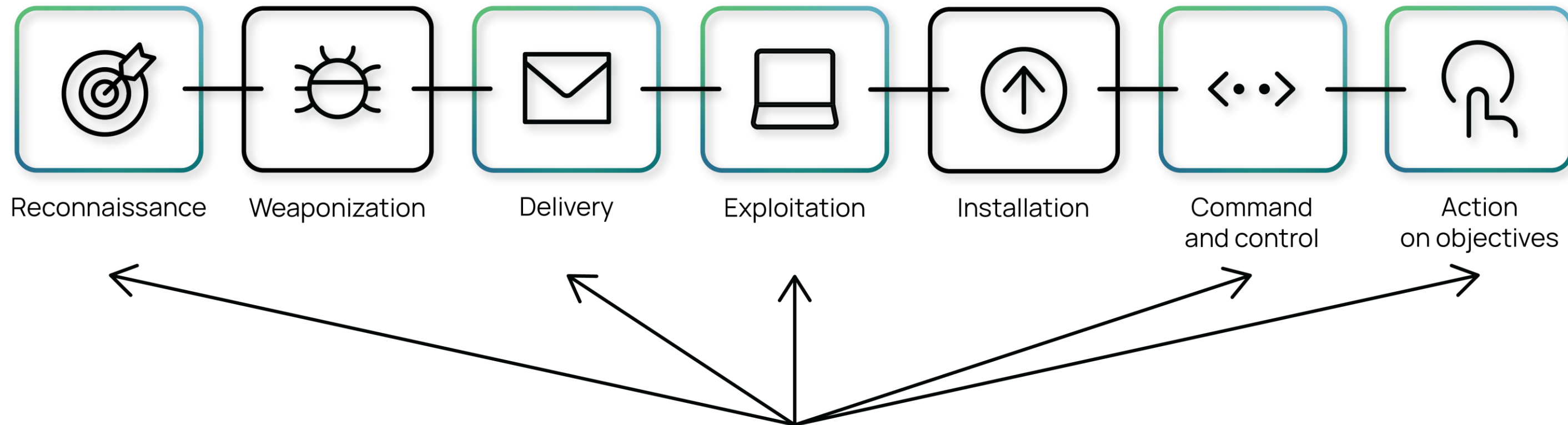
Tko je Labyrinth?

- **Osnovan u 2019.**
- HQ u Zabrze, Poljska
- Web stranica: www.labyrinth.tech
- LinkedIn profil: [link](#)
- YouTube kanal: [link](#)

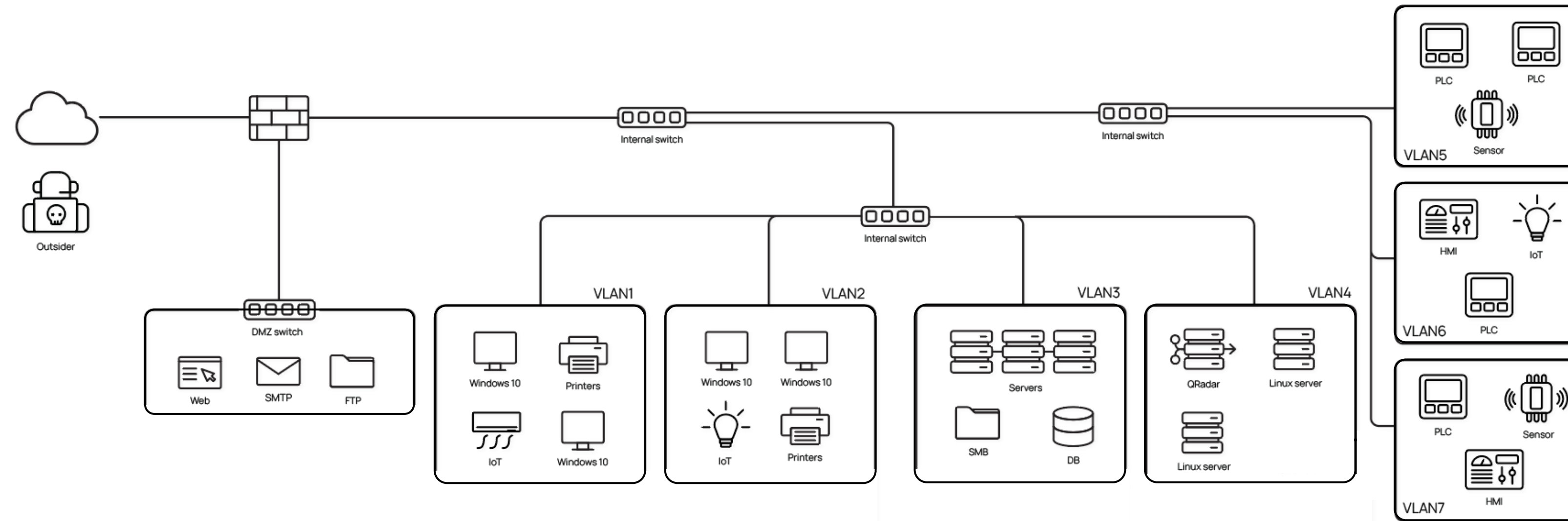


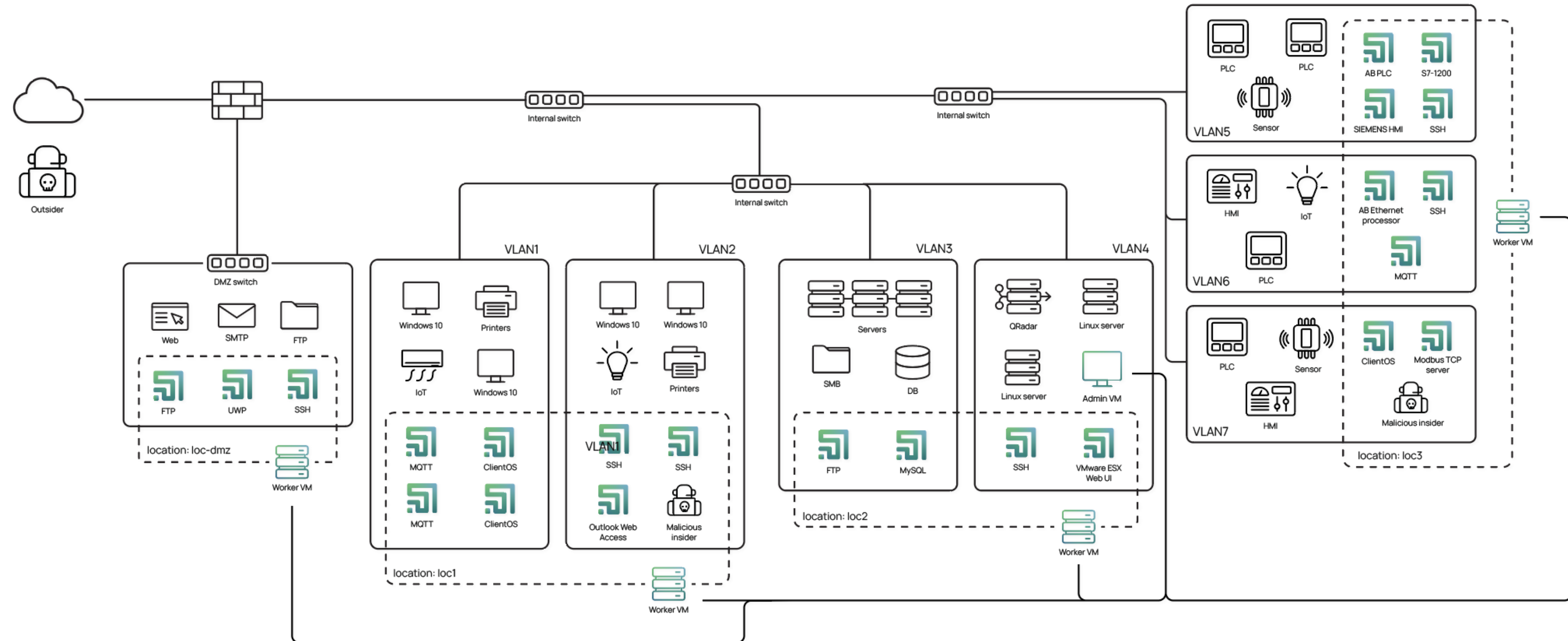
Kibernetički „kill-chain“

Labyrinth je najučinkovitiji u **ranom otkrivanju napada**



LABYRINTH



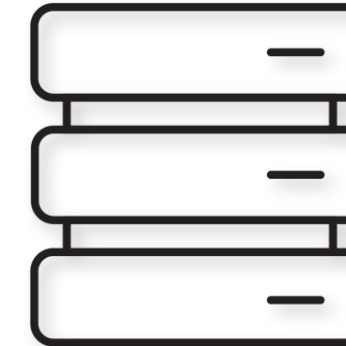


Arhitektura platforme



Admin VM (Management Console)

All information collected at the Points is forwarded to the Management Console for incident analysis and response.



Worker VM

The Worker VM is the host that hosts all the Points in Labyrinth. It can operate in multiple VLANs simultaneously.



Point

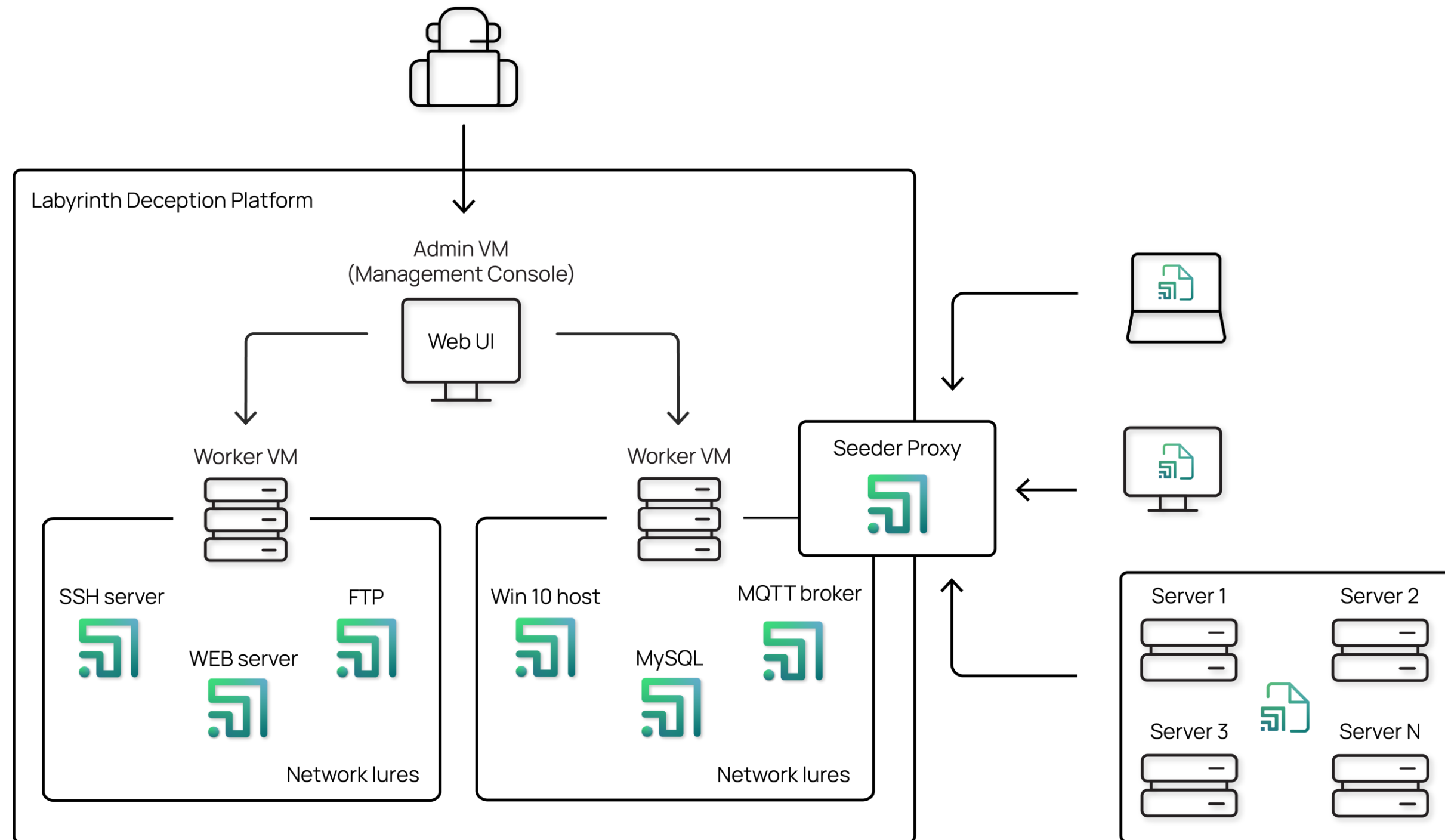
Points simulate applications and services in a real-world IT environment and interact with attackers, keeping them inside the Labyrinth.



Host with Seeder Agent

Agents are deployed on real hosts and distribute attractive artifacts to them. The artifacts used by attackers direct them to Points.

Arhitektura rješenja



Seeder Agent usmjeri napadača u zamku (Point)

Zamka (Point) komunicira s napadačem i šalje alarme na konzolu

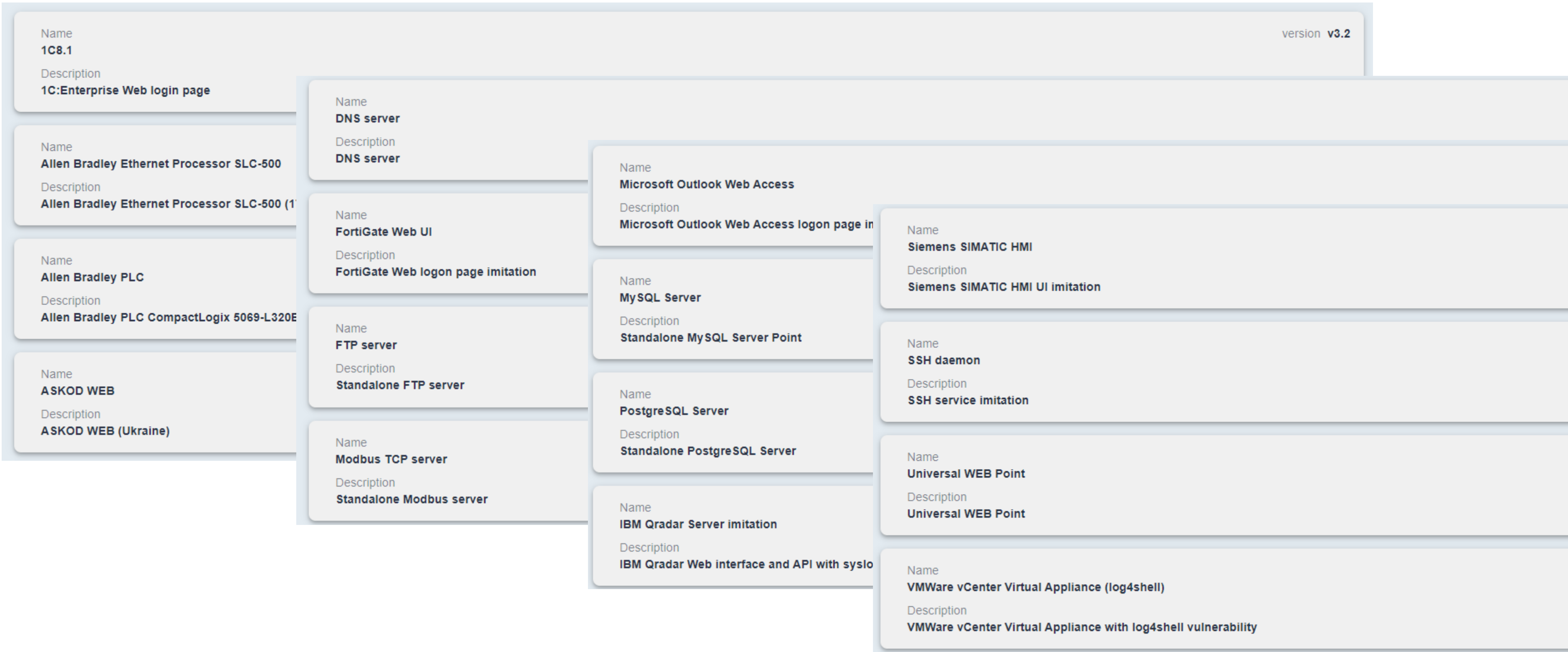
Konzola alarmira ekipu za odazivanje i šalje metapodatke za analizu

Ekipa za odazivanje potvrdi podatke i zaustavlja napad

Podržane platforme



Deception Point Type Bases



Universal Web Point

corporate

Latest alerts 150

2 Potentially dangerous HTTP method (POST, PUT or DELETE)
2023-04-05 17:11:46

Source IP: 172.16.254.129

Point ID: universalweb-c0463b85
Honeynet: honeynet01
Location: labdev
Point IP: 172.16.72.122
Point Type: universalweb

open

2 Potentially dangerous HTTP method (POST, PUT or DELETE)
2023-04-05 17:13:22

Source IP: 172.16.254.129

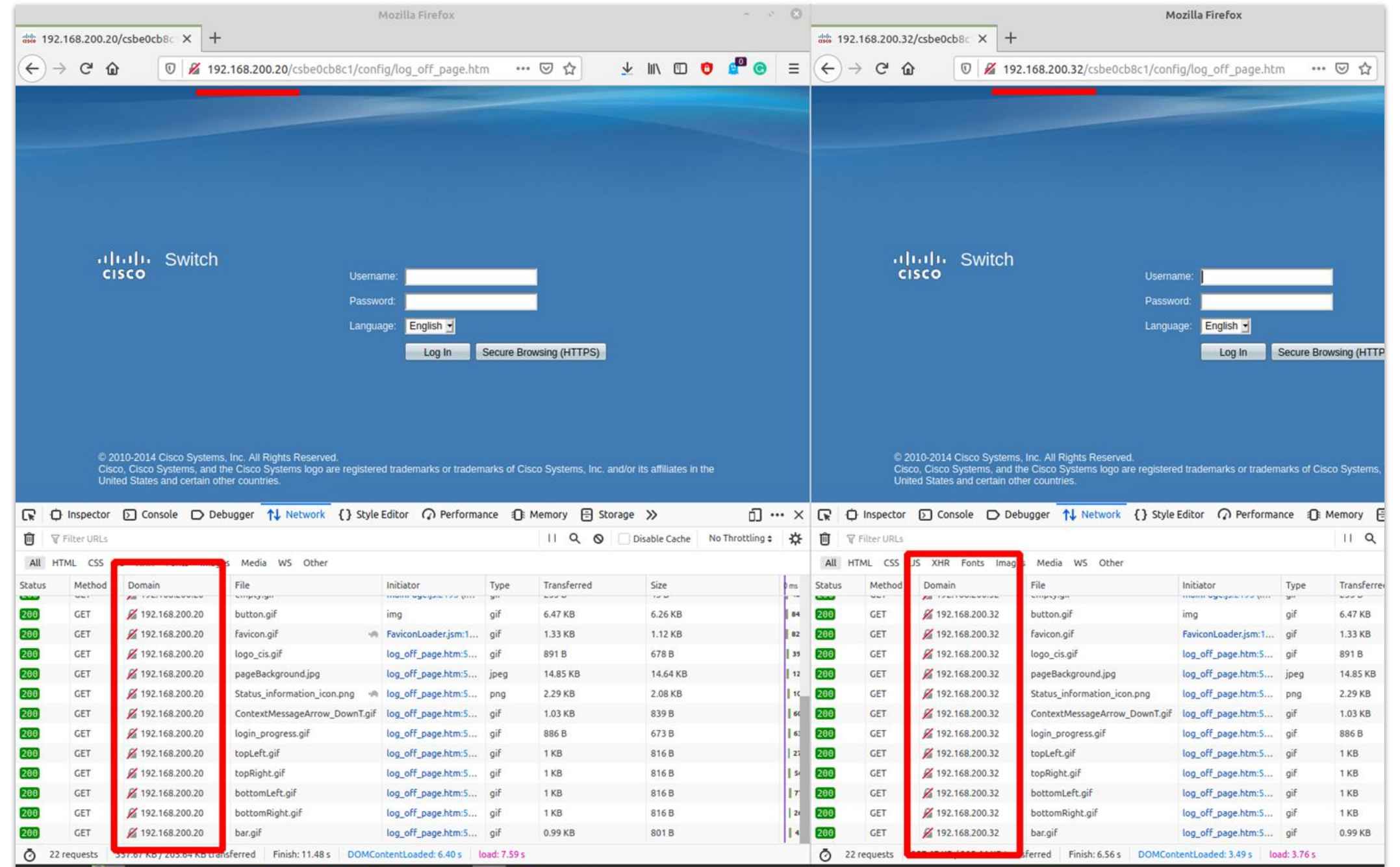
Point ID: universalweb-009d4cbb
Honeynet: honeynet01
Location: labdev
Point IP: 172.16.72.116

VIEW ALL

Point Type: universalweb
Hostname: ophelia
IP Address: 172.16.72.116
status: running

Universal Web Point

- „Kloniranje“ web aplikacije
- Dodan ranjivosti iz OWASP TOP10
- Radi kao proxy



Primjer alarma

<input type="checkbox"/>	Severity	Status	Timestamp	Point ID	Attacker IP	Alert Reason	
<input type="checkbox"/>	H	open	2024-05-16 11:08:58	sshd-3eae0458	10.10.10.1	sshd successful login detected	^

DETAILS

EVENTS

ACTIVITY(0)

2024-05-16 11:08:58

Alert ID


54b8ce4b-f9e7-4047-b731-3e02e1010c94

Alert Reason

sshd successful login detected

Destination IP

10.10.10.71

 Download PCAP

21.31 KB

File Type: pcap

MD5: d0dfc9beff7552a0af6c142c5da6a885

Detajli alarma

DETAILS **EVENTS** ACTIVITY(0)

11:08:58	
2024-05-16 11:08:58	Hostname: - Username: testol1 Message: login attempt [testol1/robot] succeeded
2024-05-16 11:08:58	Hostname: - Message: SSH client hassh fingerprint: 55b7fab6f5d2b485a6773eee233e4a52
2024-05-16 11:08:58	Hostname: - Message: New connection: 10.10.10.1:12033 (10.10.10.71:22) [session: 8495d6e5e930]
2024-05-16 11:08:58	Hostname: - Message: Remote SSH version: SSH-2.0-OpenSSH_7.8 FreeBSD-20180909
2024-05-16 11:08:50	Transport: tcp Source IP: 10.10.10.1 Source Port: 12033 Destination IP: 10.10.10.71 Destination Port: 22 TCP Flags: SYN

Detajli alarma

DETAILS	EVENTS	ACTIVITY(0)
11:08:50	2024-05-16 11:08:58	2024-05-16 11:09:01 Hostname: - Message: CMD: ping 8.8.8.8
11:08:58	2024-05-16 11:08:58	2024-05-16 11:09:16 Hostname: - Message: CMD: sudo su
11:08:58	2024-05-16 11:08:58	2024-05-16 11:09:19 Hostname: - Message: CMD: cd /etc
11:08:58	2024-05-16 11:08:58	2024-05-16 11:09:26 Hostname: - Message: CMD: cat passwd
11:08:58	2024-05-16 11:08:58	2024-05-16 11:09:41 Hostname: - Message: CMD: ps

TCP Flags: **SYN**

Integracije



State	Name	Edit
	CrowdStrike	/
	Cuckoo Sandbox	/
	Fortigate	/
	Microsoft Teams Notifications	/
	IBM-Qradar	/
	Slack Notification	/
	SMTP Notification	/
	Splunk	/
	SIEM Integration (Syslog forwarder)	/
	TheHive	/