



Inhoud

Introductie

Levenscyclus kwetsbaarheid

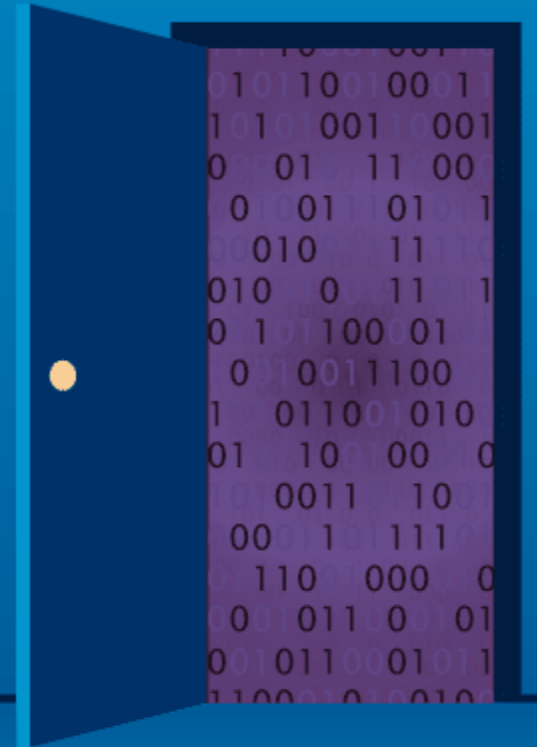
Initiatief weerbaarheidstesten

- Voortgang eduC2

- Voortgang ASM

- Omgaan met bevindingen

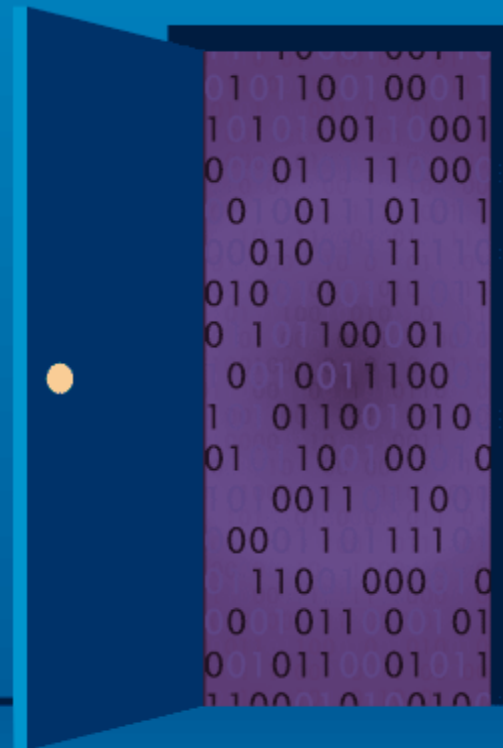
- Toekomst



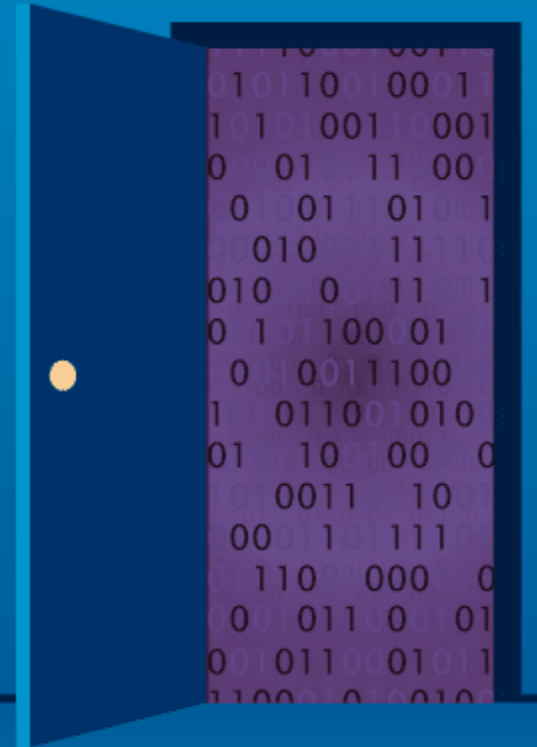
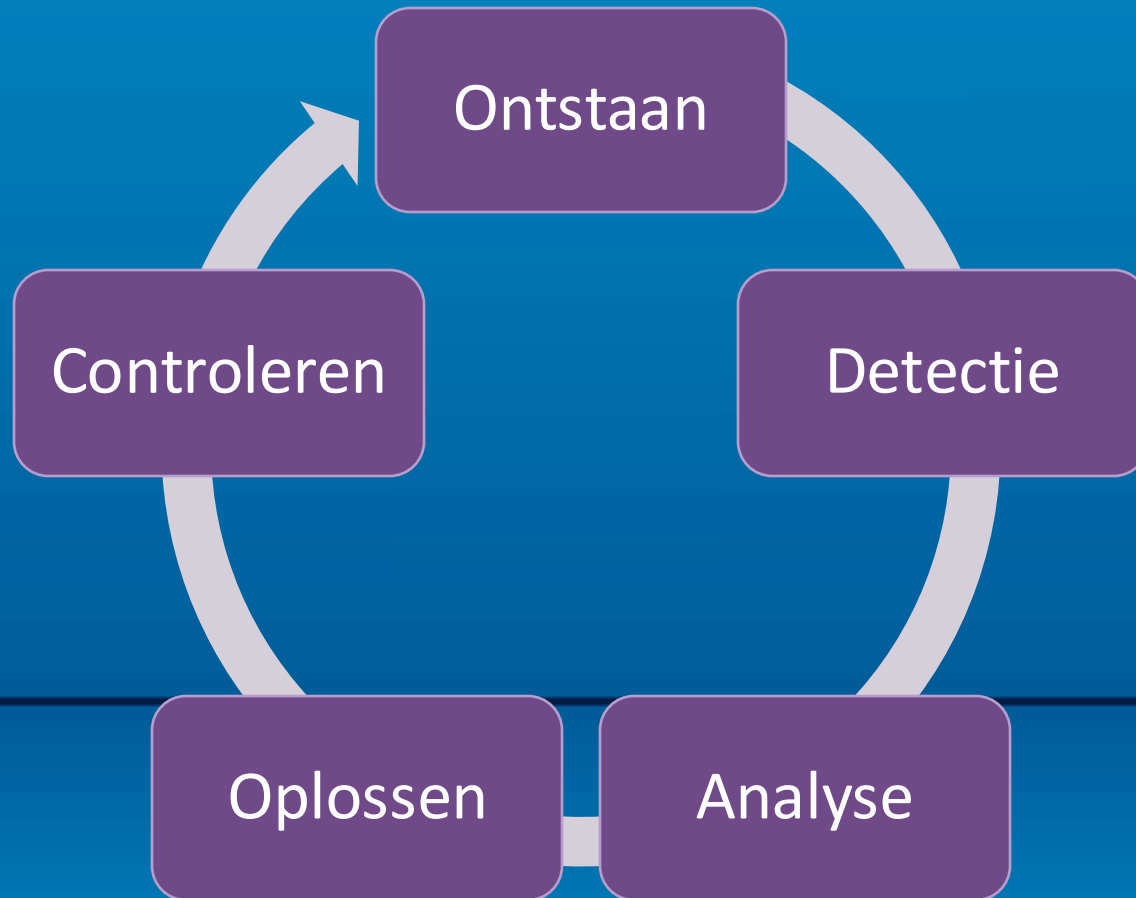
Introductie

- **Doel van deze workshop:**
 - Leren over kwetsbaarheden
 - Ophalen van pijnpunten, en dus behoeften
- **Belang van vulnerability management:** vrijwel alle grote cyberincidenten terug te voeren zijn op misbruik van bekende **kwetsbaarheden**, eventueel in combinatie met andere aanvalstechnieken.

Kwetsbaarheid: *“blootgesteld kunnen worden aan risico en onzekerheid.”*

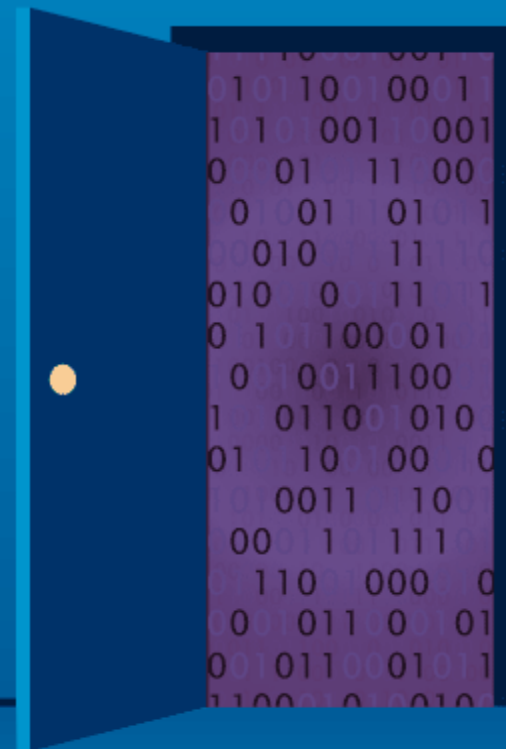


Levenscyclus van een kwetsbaarheid



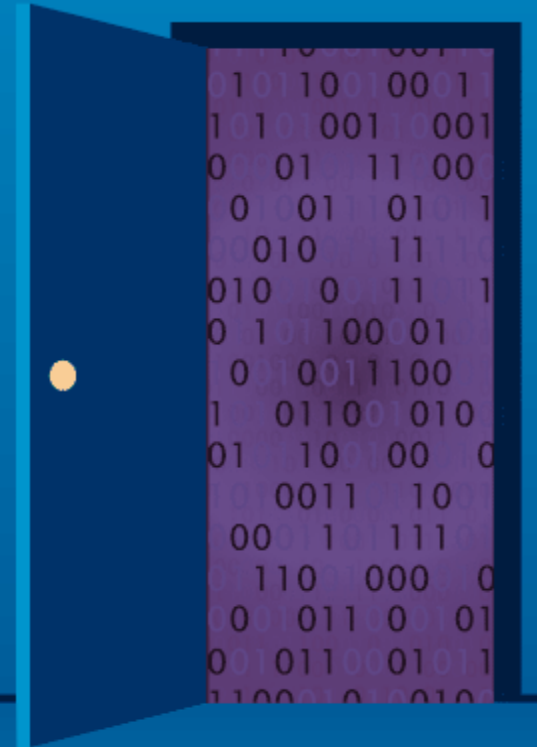
Ontstaan

- Fout in ontwerp, code of configuratie
- Verouderde of niet-gepatchte software
- Complexiteit meer kans op menselijke fouten
- Nieuwe features zonder security-review
- Onvoldoende hardening / baseline-beheer



Detectie

- Vuln scanners
 - Intern
 - Extern
 - Applicaties
- Benchmarks (compliance checks)
- OSINT
- Pentesting/Red Teaming
- Bug bounty/CVD
- Beheerders (leveranciers, medewerkers)



Poll

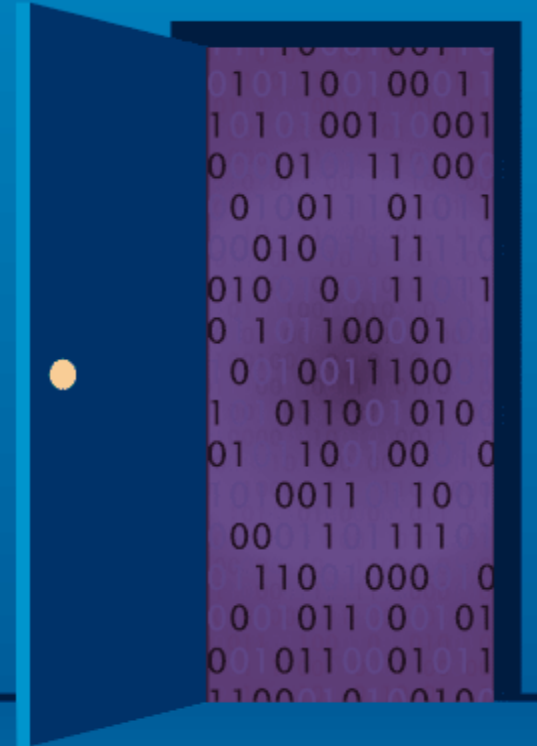


Hoe vaak voeren jullie kwetsbaarheden scans uit?

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Analyse

- Bepalen: *kans x impact x epss*
- Koppeling aan businessprocessen
- Zijn er mitigerende maatregelen?
- False positives uitsluiten
- CVSS ≠ Risico



Poll (2x)



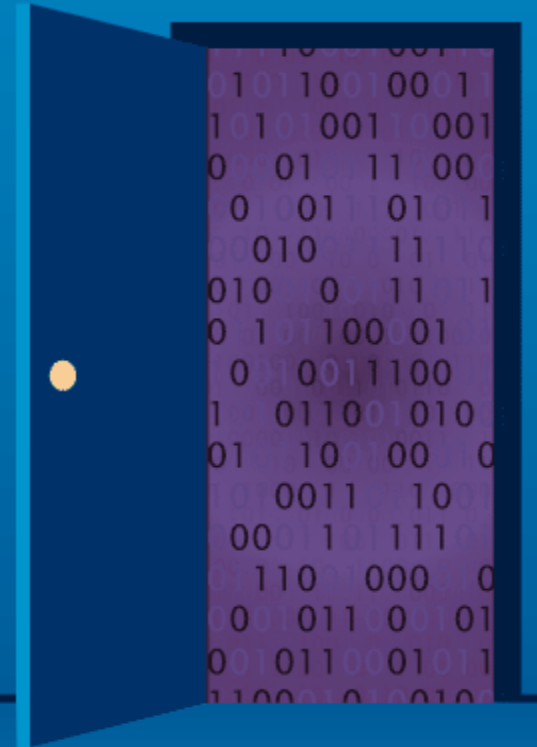
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Hoe prioriteer je het adresseren van kwetsbaarheden?

Binnen welke periode moeten kritische kwetsbaarheden worden geadresseerd?

Oplossen

- Patching
- Configuratieaanpassingen (policies, hardening)
- Workarounds of mitigaties



Poll (2x)



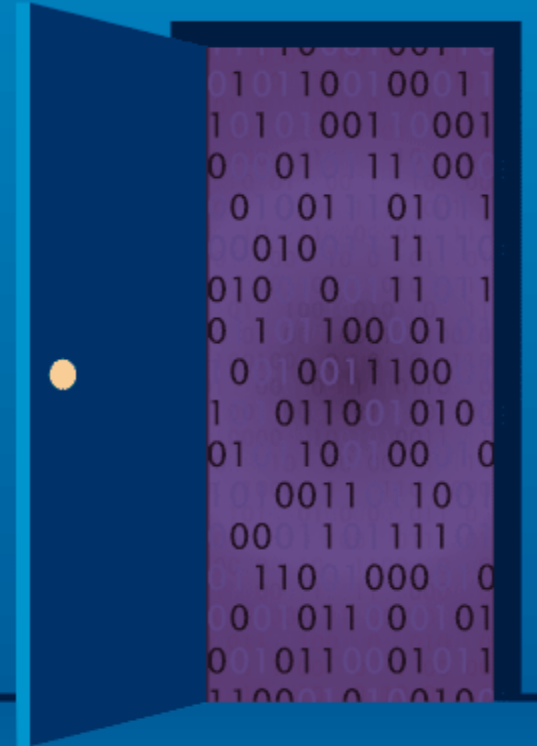
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Wat is jullie grootste uitdaging bij het oplossen van kwetsbaarheden?

Wie is er verantwoordelijk voor vulnerability management

Controleren

- Herscan of opnieuw testen
- Controleren of mitigerende/compenserende maatregelen gewenst effect hebben



Initiatief weerbaarheidstesten - eduC2

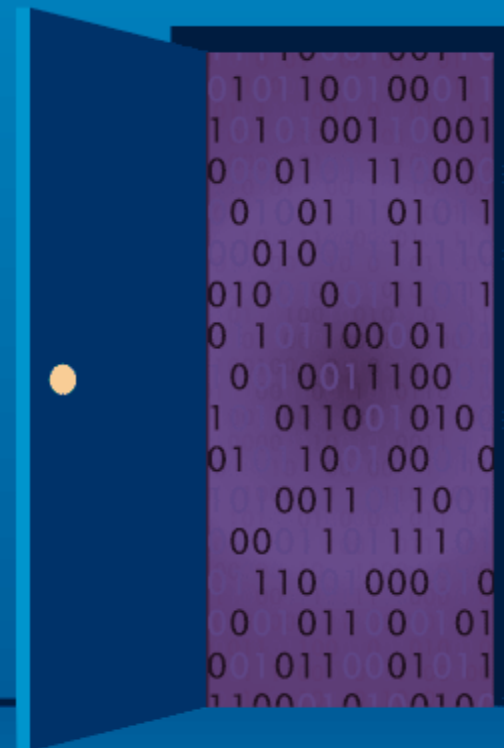
Met remote testen identificeren we kwetsbaarheden en misconfiguraties in het interne aanvalsoppervlak (netwerk, AD/Entra ID)

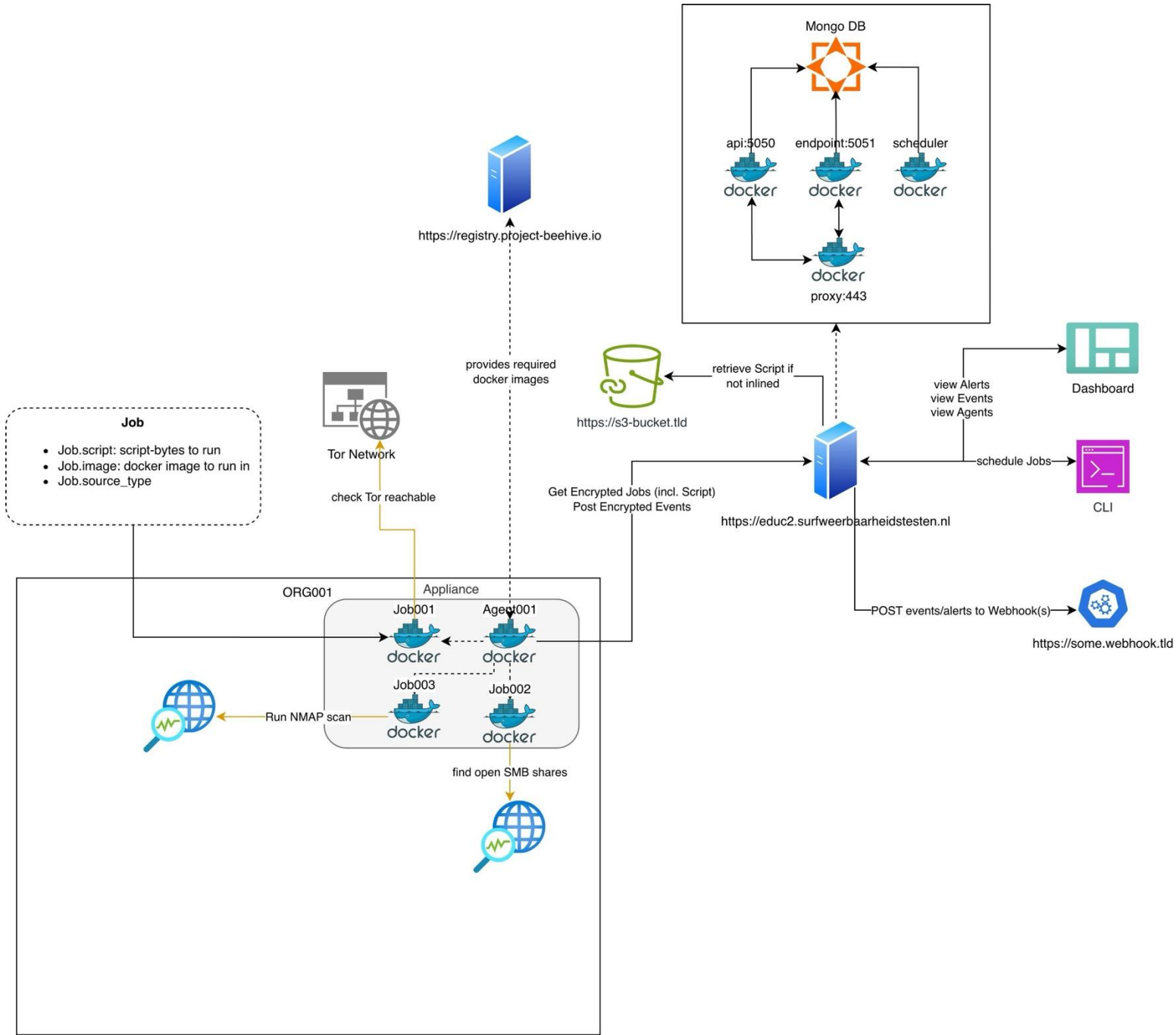
Doelen:

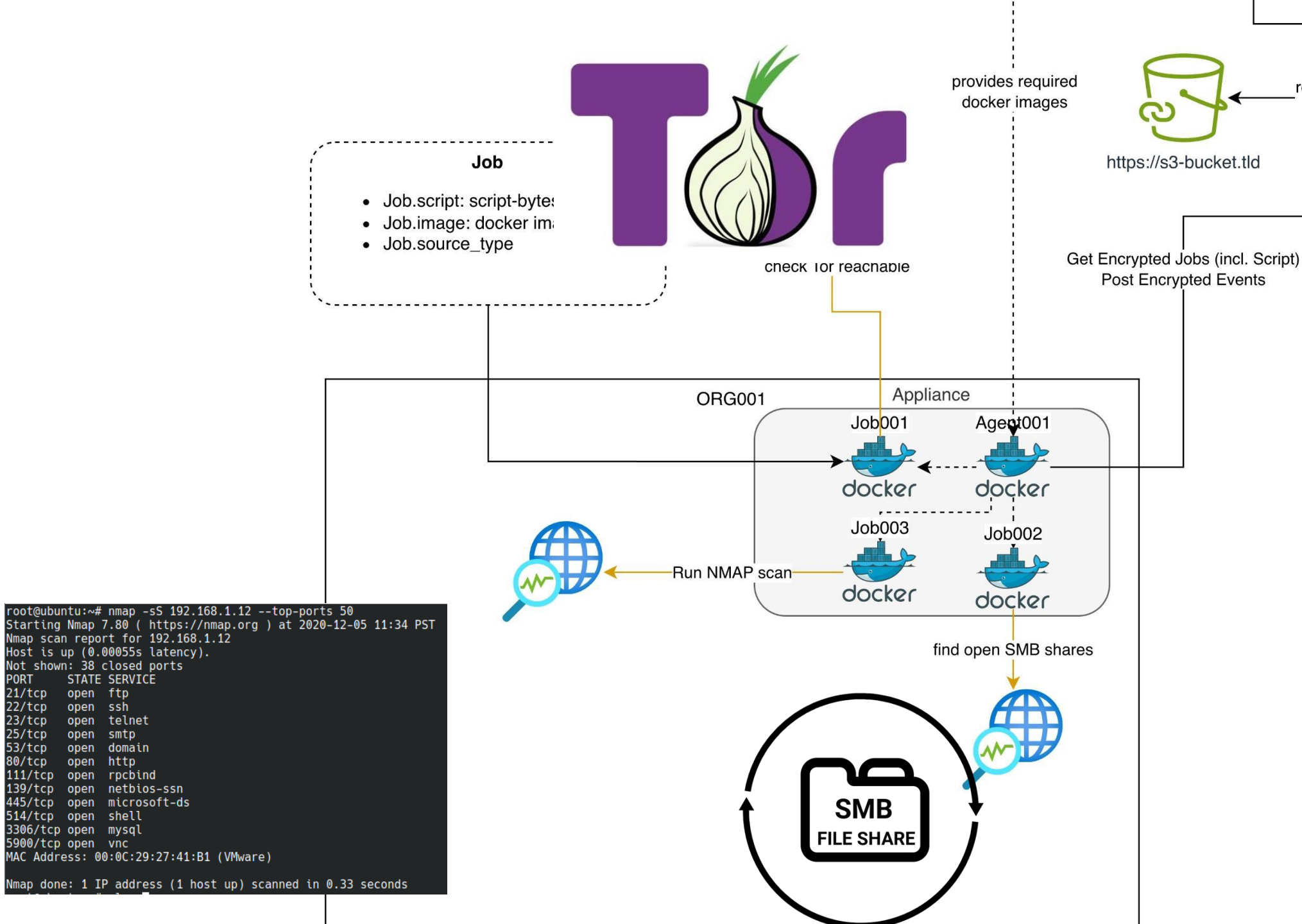
- Het signaleren van bekende kwetsbaarheden in het aanvalsoppervlak
- Het bieden van duiding en handelingsperspectief voor kwetsbaarheden
- Door modulariteit snel kunnen bevestigen of uitsluiten

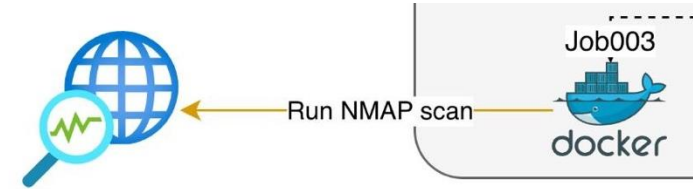
Draagt bij aan:

- Het signaleren van veelvoorkomende kwetsbaarheden en misconfiguraties die door dreigingsactoren misbruikt (kunnen) worden
- Het signaleren van missers in veilige configuraties en security updates
- Het prioriteren van corrigerende maatregelen
- Het voorkomen van misbruik van bekende kwetsbaarheden



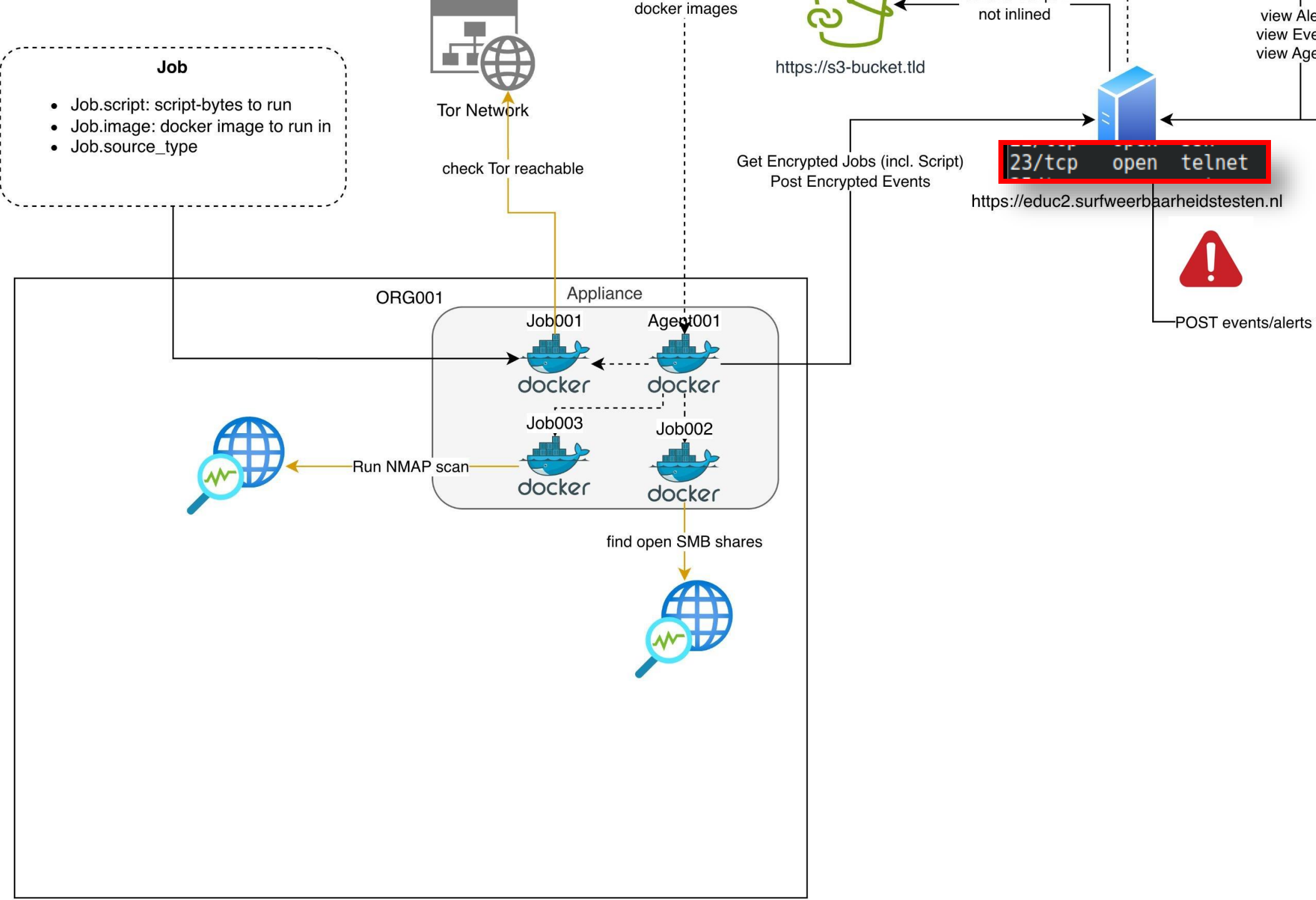


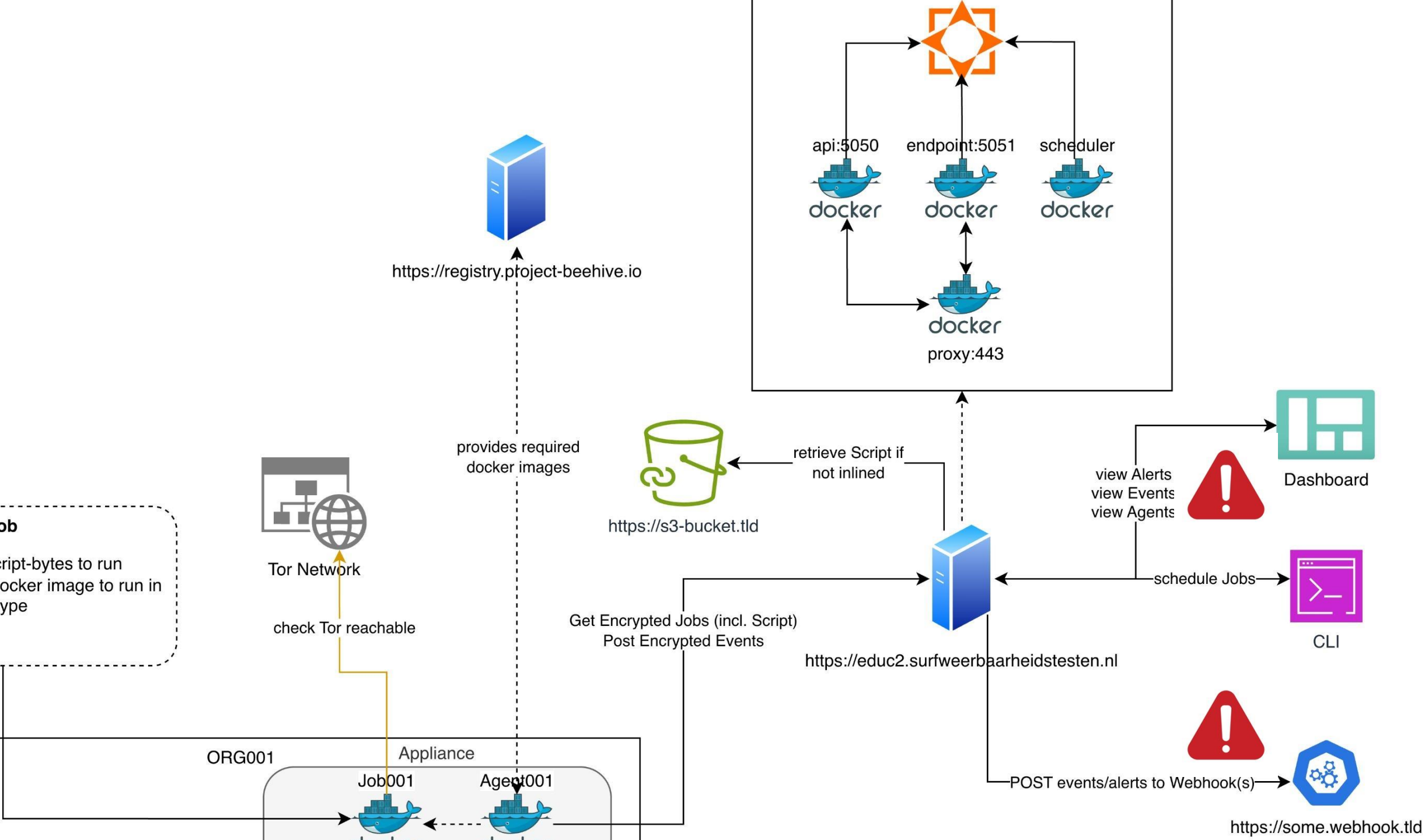


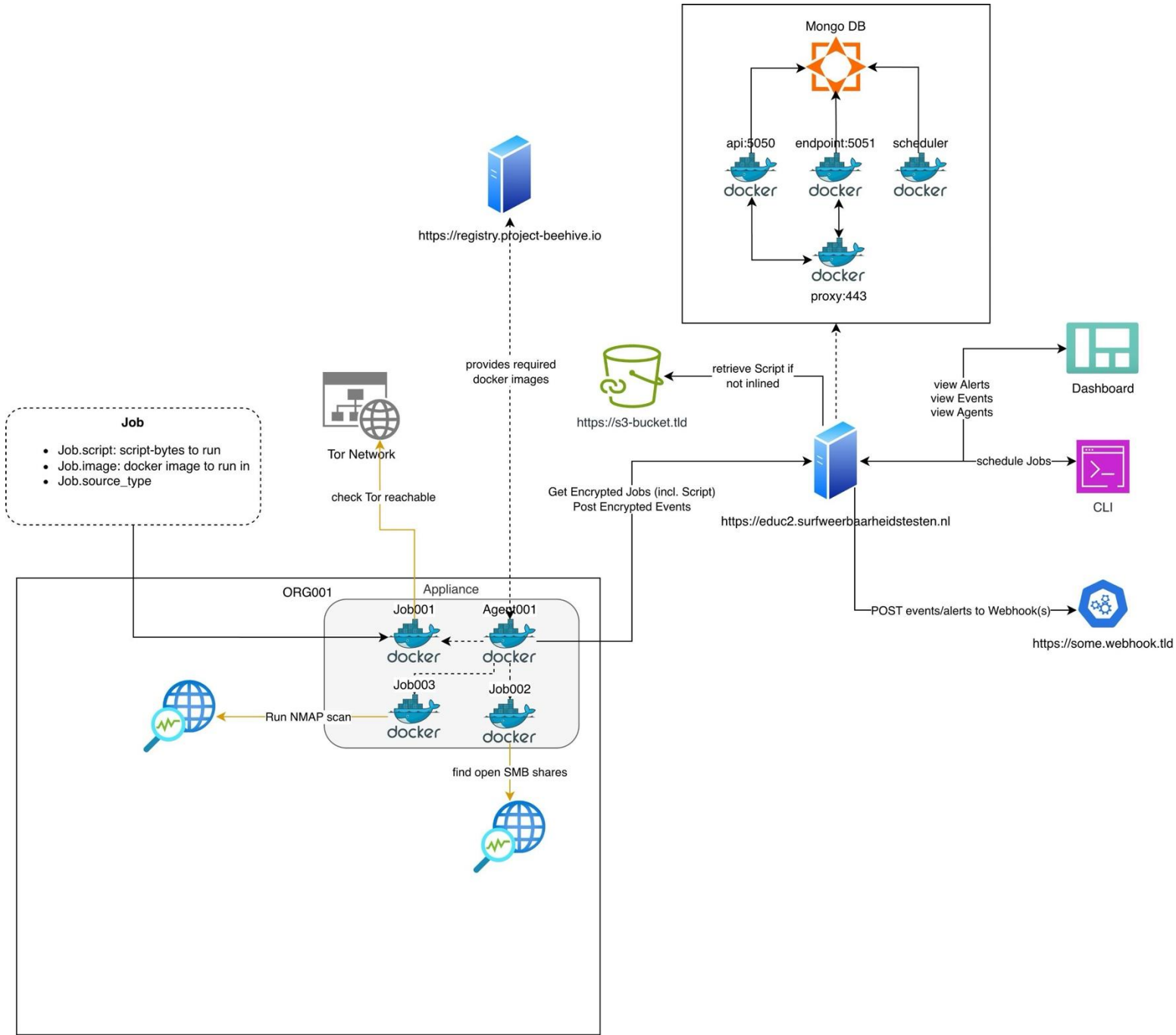


```
root@ubuntu:~# nmap -sS 192.168.1.12 --top-ports 50
Starting Nmap 7.80 ( https://nmap.org ) at 2020-12-05 11:34 PST
Nmap scan report for 192.168.1.12
Host is up (0.00055s latency).
Not shown: 38 closed ports
PORT      STATE SERVICE
21/tcp    open  ftp
22/tcp    open  ssh
23/tcp    open  telnet
25/tcp    open  smtp
53/tcp    open  domain
80/tcp    open  http
111/tcp   open  rpcbind
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds
514/tcp   open  shell
3306/tcp  open  mysql
5900/tcp  open  vnc
MAC Address: 00:0C:29:27:41:B1 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 0.33 seconds
```







Status	UUID	Created	Organization	Job	Agent	Source	Data
	6924f2e2e5988ea2f991550a	2025-11-25T00:05:54.009000Z	Organization 001	NMAP Vunerability Scan	Agent 001	nmap_vulnerability_scan	{ "status": true, "hosts": [{ "IP": "192.168.2.115", "cves": [{ "id": "CVE-2020-1472", "cvss": 10 }] }] }
	6924f2e0e5988ea2f9915500	2025-11-25T00:05:52.006000Z	Organization 002	NMAP Vunerability Scan	Agent 002	nmap_vulnerability_scan	{ "status": true, "hosts": [{ "IP": "192.168.2.115", "cves": [{ "id": "CVE-2020-1472", "cvss": 10 }] }] }
	6924f289e5988ea2f9915469	2025-11-25T00:04:25.006000Z	Organization 002	Tor Check	Agent 002	tor_access	{ "status": true, "ip": "185.220.101.37" }
	6924f283e5988ea2f9915458	2025-11-25T00:04:19.005000Z	Organization 001	Tor Check	Agent 001	tor_access	{ "status": true, "ip": "185.220.101.99" }
	6924f20ae5988ea2f991532e	2025-11-25T00:02:18.008000Z	Organization 001	Detect NBNS	Agent 001	nbns	{ "status": true, "hosts": [{ "IP": "192.168.2.115" }] }
	6924f208e5988ea2f9915324	2025-11-25T00:02:16.005000Z	Organization 002	Detect NBNS	Agent 002	nbns	{ "status": true, "hosts": [{ "IP": "192.168.2.115" }] }
	6924f1cee5988ea2f9915295	2025-11-25T00:01:18.009000Z	Organization 002	SSH Banner Grab	Agent 002	ssh_banner	{ "host": "192.168.2.115", "banner": { "host": "192.168.2.115", "port": 22, "key_type": "ssh-ed25519", "fingerprint_md5": "b2:d9:58:14:dd:4c:69:c4:10:16:94:0c:93:6c:da:b9", "fingerprint_sha256": "4a09c526c21befac6651625f3153e34500a9bc286d356a0867f934d2dd40a8a5", "fingerprint_sha256_base64": "SHA256:SgnFJsIb76xmUWJfMVPjRQCpvChtNWoIZ/k00t1AqKU" } }
	6924f1c8e5988ea2f9915284	2025-11-25T00:01:12.009000Z	Organization 001	SSH Banner Grab	Agent 001	ssh_banner	{ "host": "192.168.2.115", "banner": { "host": "192.168.2.115", "port": 22, "key_type": "ssh-ed25519", "fingerprint_md5": "b2:d9:58:14:dd:4c:69:c4:10:16:94:0c:93:6c:da:b9", "fingerprint_sha256": "4a09c526c21befac6651625f3153e34500a9bc286d356a0867f934d2dd40a8a5", "fingerprint_sha256_base64": "SHA256:SgnFJsIb76xmUWJfMVPjRQCpvChtNWoIZ/k00t1AqKU" } }
	6924f19ee5988ea2f991521e	2025-11-25T00:00:00.30Z	Organization 001	Find SMB Shares with Guest Access enabled	Agent 001	open_samba_share	{ "status": false, "host": "192.168.2.115", "port": 445 }
	6924f199e5988ea2f991520d	2025-11-25T00:00:25.005000Z	Organization 001	Find SMB Shares with Guest Access enabled	Agent 001	open_samba_share	{ "status": false, "host": "192.168.2.115", "port": 139 }

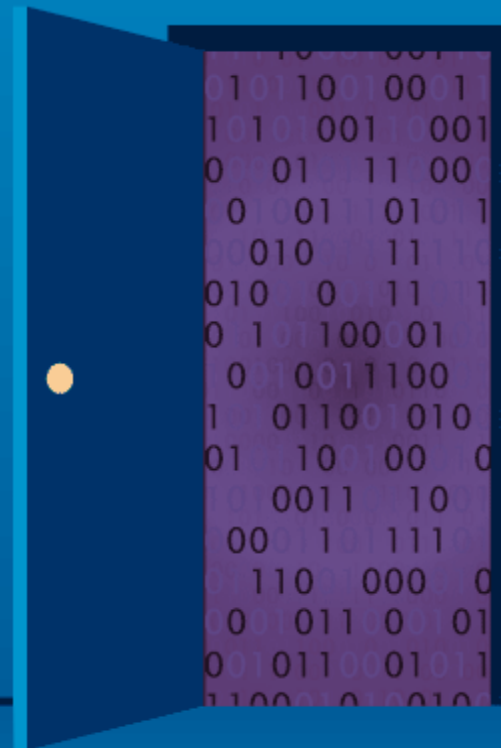
n	Job	Agent	Source	D
n	NMAP Vulnerability Scan	Agent 001	nmap_vulnerability_scan	{
n	NMAP Vulnerability Scan	Agent 002	nmap_vulnerability_scan	{
n	Tor Check	Agent 002	tor_access	{
n	Tor Check	Agent 001	tor_access	{
n	Detect NBNS	Agent 001	nbns	{
n	Detect NBNS	Agent 002	nbns	{
n	SSH Banner Grab	Agent 002	ssh_banner	{ " "

vulnerability_scan	{ "status": true, "hosts": [{ "IP": "192.168.2.115", "cves": [{ "id": "CVE-2020-1472", "cvss": 10 }] }] }
vulnerability_scan	{ "status": true, "hosts": [{ "IP": "192.168.2.115", "cves": [{ "id": "CVE-2020-1472", "cvss": 10 }] }] }
cess	{ "status": true, "ip": "185.220.101.37" }
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	{ "status": true, "hosts": [{ "IP": "192.168.2.115" }] }
anner	{ "host": "192.168.2.115", "banner": { "host": "192.168.2.115", "port": 22, "key_type": "ssh-ed25519", "fingerprint_md5": "b2:d9:58:14:dd:4c:69:c4:10:16:94:0c:93:6c:da:b9", "fingerprint_sha256": "4a09c526c21befac6651625f3153e34500a9bc286d356a0867f934d2dd40a8a5", "fingerprint_sha256_base64": "SHA256:SgnFJsIb76xmUWJfMVPjRQCpvChtNWoIZ/k00t1AqKU" } }
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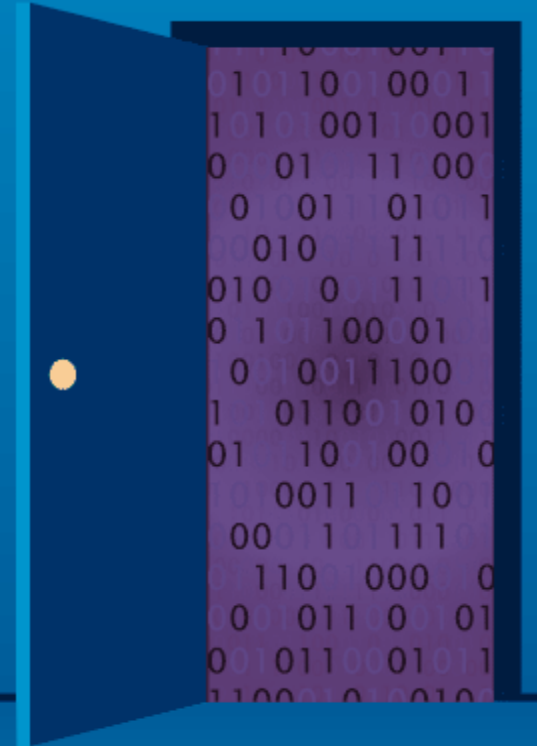
Wat onderzoekt eduC2 nu?

- Detectie van open of onveilige netwerkservices en bestandsdeling
 - Relay aanvallen via Server Message Block (SMB)
- Signalering van verouderde of misbruikbare netwerk- en naamresolutieprotocollen
 - Poisoning via LLMNR, NTB-NS, MDNS
- Lichte kwetsbaarheidenscan op basis van bekende versies van netwerkservices
 - Kwetsbaarheden identificeren via Network Mapper (Nmap):
 - banner grabbing
 - OS detection
 - portscan
 - vulnerability scan (CVSS ≥ 7.0)
 - SSH fingerprint
- Controle op netwerksegmentatie tussen apparaten en subnetten
- Test op uitgaand verkeer richting verdachte of ongewenste internetbestemmingen
 - bijvoorbeeld The Onion Routing (TOR)



Testen EduC2

- Soma College
- Zadkine
- Zone College



Poll (2x)



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Suggesties voor testmogelijkheden

Welk voorstel is het waardevolst

Initiatief weerbaarheidstesten - Attack Surface Management

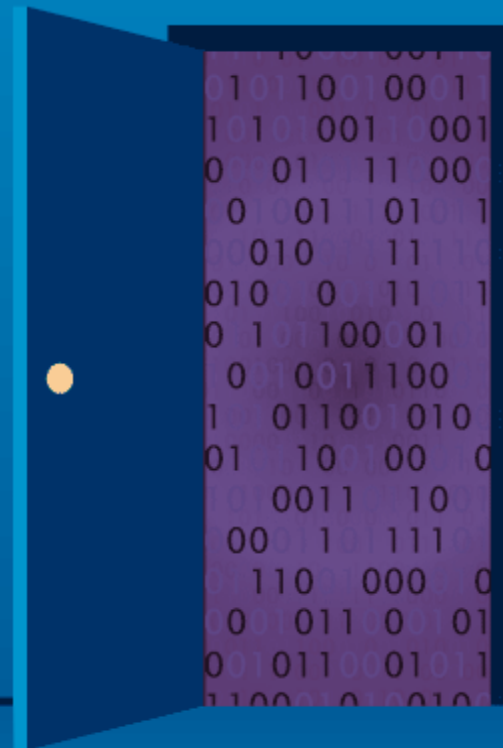
Inzicht krijgen en houden in alle systemen, applicaties, diensten en configuraties die vanaf buiten zichtbaar en bereikbaar zijn. ASM toont welke digitale “ingangen” een organisatie onbedoeld of ongecontroleerd aan de buitenwereld presenteert.

Doelen:

- Continu inzicht krijgen in alle extern zichtbare systemen, diensten en configuraties.
- Onbedoelde blootstelling (shadow IT, vergeten assets, misconfiguraties) snel identificeren.
- Het aanvalsoppervlak verkleinen.

Waar draagt het aan bij:

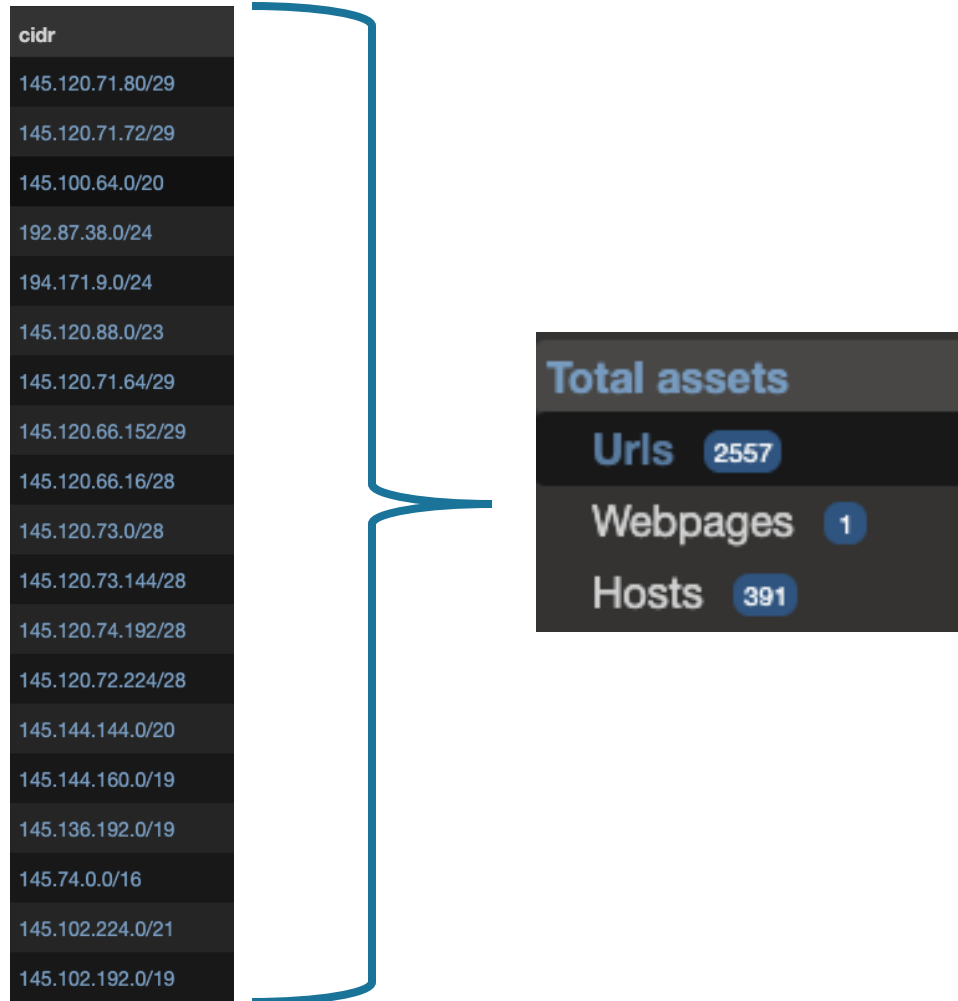
- Proactieve beveiliging: risico's aanpakken voordat aanvallers ze aanpakken.
- Ondersteuning van vulnerability management.



Attack Surface Management

cidr	asn	asn_name	tags	first_seen	last_seen
145.120.71.80/29	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 15:24:06 UTC
145.120.71.72/29	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 15:24:06 UTC
145.100.64.0/20	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 15:24:06 UTC
192.87.38.0/24	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 11:33:49 UTC	2025-12-08 12:23:05 UTC
194.171.9.0/24	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 11:36:15 UTC	2025-12-08 12:23:05 UTC
145.120.88.0/23	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 10:51:28 UTC
145.120.71.64/29	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 10:51:28 UTC
145.120.66.152/29	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 10:12:12 UTC
145.120.66.16/28	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 10:12:12 UTC
145.120.73.0/28	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 10:12:12 UTC
145.120.73.144/28	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 09:50:13 UTC
145.120.74.192/28	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 09:50:13 UTC
145.120.72.224/28	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-10-24 09:19:16 UTC	2025-12-08 09:50:13 UTC
145.144.144.0/20	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 11:36:15 UTC	2025-12-07 09:16:55 UTC
145.144.160.0/19	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 11:36:15 UTC	2025-12-07 09:16:55 UTC
145.136.192.0/19	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 11:36:15 UTC	2025-12-07 09:16:55 UTC
145.74.0.0/16	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 10:54:14 UTC	2025-12-06 12:33:55 UTC
145.102.224.0/21	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 10:54:14 UTC	2025-12-06 12:33:55 UTC
145.102.192.0/19	1103	SURFNET-NL SURFnet, The Netherlands, NL		2025-11-11 10:54:14 UTC	2025-12-06 12:33:55 UTC

Attack Surface Management



Attack Surface Management

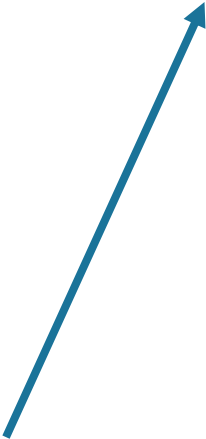
cidr
145.120.71.80/29
145.120.71.72/29
145.100.64.0/20
192.87.38.0/24
194.171.9.0/24
145.120.88.0/23
145.120.71.64/29
145.120.66.152/29
145.120.66.16/28
145.120.73.0/28
145.120.73.144/28
145.120.74.192/28
145.120.72.224/28
145.144.144.0/20
145.144.160.0/19
145.136.192.0/19
145.74.0.0/16
145.102.224.0/21
145.102.192.0/19

Total assets
Urls 2557
Webpages 1
Hosts 391

Report
Bad Certificates Report 149
Bad Hosts Report 10
Bad Websites Report 346
Blacklisted Assets Report 0
Certificates report
CISA - KEV matched with your vulnerable assets
Cloudprovider Report
Domains Report
Expiring Certificates Report
Exploited Software Vulnerabilities Report
Exposed Email Addresses Report

Attack Surface Management

Report
Bad Certificates Report 149
Bad Hosts Report 10
Bad Websites Report 346
Blacklisted Assets Report 0
Certificates report
CISA - KEV matched with your vulnerable assets
Cloudprovider Report
Domains Report
Expiring Certificates Report
Exploited Software Vulnerabilities Report
Exposed Email Addresses Report



email_address	found_on	data_breaches
		Gravatar (2020-10-03)
		SynthientCredentialStuffingThreatData (2025-04-11)
		PDL (2019-10-16), VerificationsIO (2019-02-25), YouveBeenScraped (2018-10-05), ShareThis (2018-07-09), OnlinerSpambot (2017-08-28), ExploitIn (2016-10-13), MDPI (2016-08-30), LinkedIn (2012-05-05)
		LinkedInScrape (2021-04-08), PDL (2019-10-16), YouveBeenScraped (2018-10-05), LinkedIn (2012-05-05)
		Dropbox (2012-07-01)
		PDL (2019-10-16), Apollo (2018-07-23)
		SynthientCredentialStuffingThreatData (2025-04-11), LinkedInScrape (2021-04-08), PDL (2019-10-16), VerificationsIO (2019-02-25), YouveBeenScraped (2018-10-05), LinkedIn (2012-05-05)
		PDL (2019-10-16), VerificationsIO (2019-02-25)
		VerificationsIO (2019-02-25)
		VerificationsIO (2019-02-25)
		SynthientCredentialStuffingThreatData (2025-04-11), Twitter200M (2021-01-01), OnlinerSpambot (2017-08-28), MDPI (2016-08-30), Dropbox (2012-07-01)
		SynthientCredentialStuffingThreatData (2025-04-11), OpenSubtitles (2021-08-01), Gravatar (2020-10-03), 123RF (2020-03-22), MyHeritage (2017-10-26), Adobe (2013-10-04), Dropbox (2012-07-01)

Attack Surface Management

Report
Bad Certificates Report 149
Bad Hosts Report 10
Bad Websites Report 346
Blacklisted Assets Report 0
Certificates report
CISA - KEV matched with your vulnerable assets
Cloudprovider Report
Domains Report
Expiring Certificates Report
Exploited Software Vulnerabilities Report
Exposed Email Addresses Report



Apache HTTP Server 2.4.46	CVE-2024-38475 ⓘ	CVE-2023-25690 ⓘ	CVE-2022-23943 ⓘ
	CVE-2022-22721 ⓘ	CVE-2022-22720 ⓘ	CVE-2021-44790 ⓘ
	CVE-2021-39275 ⓘ	CVE-2021-26691 ⓘ	CVE-2024-27316 ⓘ
	CVE-2023-38709 ⓘ	CVE-2022-22719 ⓘ	CVE-2021-44224 ⓘ
	CVE-2021-40438 ⓘ	CVE-2021-36160 ⓘ	CVE-2021-34798 ⓘ
	CVE-2021-33193 ⓘ	CVE-2021-32785 ⓘ	CVE-2021-26690 ⓘ
	CVE-2020-35452 ⓘ	CVE-2020-13950 ⓘ	CVE-2021-32792 ⓘ
	CVE-2021-32791 ⓘ	CVE-2021-32786 ⓘ	CVE-2021-30641 ⓘ
	CVE-2020-13938 ⓘ	CVE-2019-17567 ⓘ	
Apache HTTP Server 2.4.52	CVE-2024-38475 ⓘ	CVE-2023-25690 ⓘ	CVE-2022-23943 ⓘ
	CVE-2022-22721 ⓘ	CVE-2022-22720 ⓘ	CVE-2021-44790 ⓘ
	CVE-2024-27316 ⓘ	CVE-2023-38709 ⓘ	CVE-2022-22719 ⓘ
PHP 7.2.34	CVE-2024-25117 ⓘ	CVE-2022-37454 ⓘ	CVE-2022-31629 ⓘ
	CVE-2022-31628 ⓘ	CVE-2019-11038 ⓘ	
Tomcat 8.5.41	CVE-2025-24813 ⓘ	CVE-2020-1938 ⓘ	CVE-2023-44487 ⓘ
	CVE-2022-29885 ⓘ	CVE-2022-25762 ⓘ	CVE-2021-25122 ⓘ
	CVE-2020-17527 ⓘ	CVE-2020-13935 ⓘ	CVE-2020-13934 ⓘ
	CVE-2020-11996 ⓘ	CVE-2019-17563 ⓘ	CVE-2024-21733 ⓘ
	CVE-2021-33037 ⓘ	CVE-2021-30640 ⓘ	CVE-2021-25329 ⓘ
	CVE-2021-24122 ⓘ	CVE-2020-9484 ⓘ	CVE-2020-1935 ⓘ
	CVE-2020-13943 ⓘ	CVE-2019-2684 ⓘ	CVE-2019-12418 ⓘ

Attack Surface Management

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Amazon Cloud	42
Microsoft	27
Azure	
Microsoft	14
Worldwide	
Public Cloud	
Microsoft	10
Azure	
Microsoft	8
Cloudflare	4
Google Cloud	3
Cloudflare	2
Google	1
Oracle Cloud	1

Attack Surface Management

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https_status	grade
✔ 200 OK	F
⚠ Max retries exceeded	F
✔ 200 OK	F
⚠ 400 Bad request	F
⚠ Connection refused	F
✔ 200 OK	F
⚠ 400 Bad request	F

Organization	
Summary	Missing security headers Outdated software
Hosted at	
First seen	2025-11-13 06:41:38 UTC
Last seen	2025-12-10 09:45:39 UTC
Last check	2025-12-10 09:45:39 UTC
Next check	2025-12-11 09:46:32 UTC
Grade	F
HTTP status	✔ 301 Moved permanently
HTTP redirects	✔ 301 Moved permanently
HTTP server	nginx
HTTPS status	✔ 200 OK
HTTPS redirect	-
HTTPS server	nginx
JARM hash	2ad2ad0002ad2ad22c42d42d000000bdfc58c9a46434368cf60aa440385763
MMH3 hash	-1074798861
Google Analytics ID	-
Meta Pixel ID	-
Sets cookie on load (http)	✔ no, and this passes the EU Cookie Law.
Sets cookie on load (https)	✔ no, and this passes the EU Cookie Law.

Poll (2x)

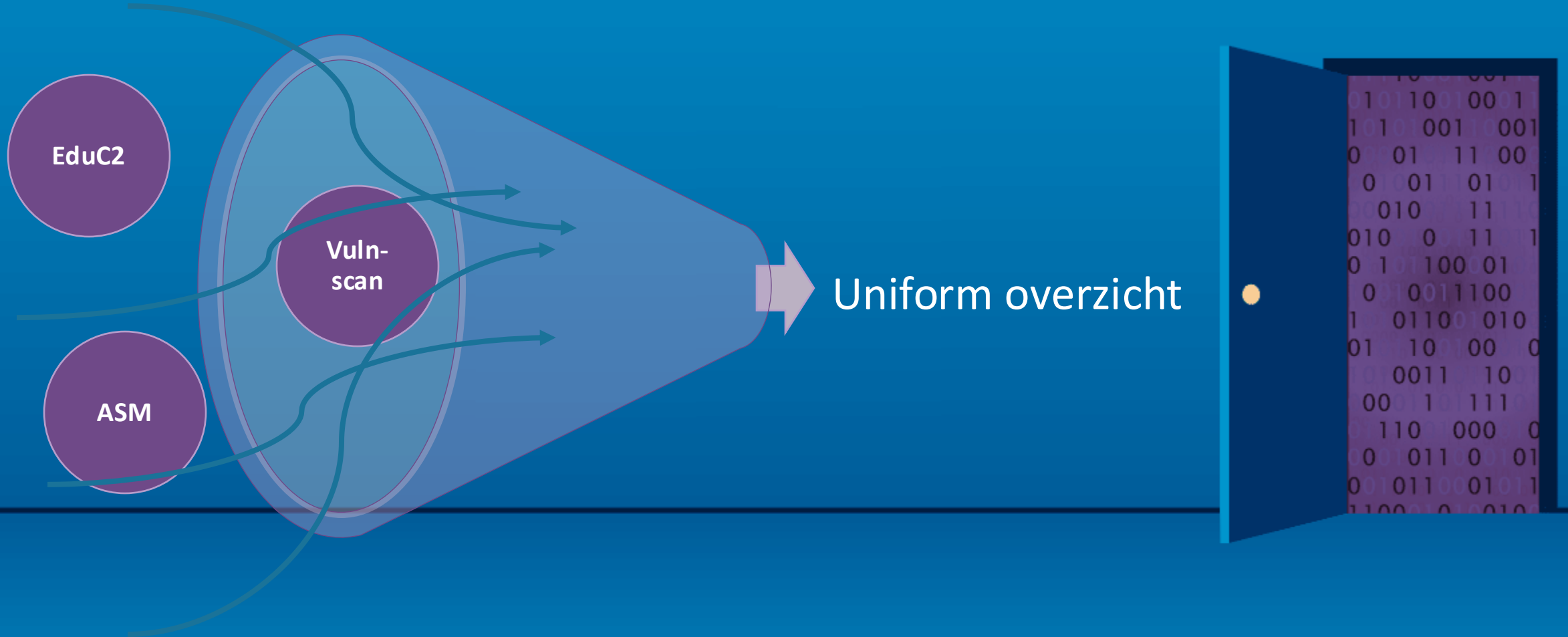


ahaslides.com/AZ3N8

Heeft jouw organisatie een volledig en actueel overzicht van alle extern zichtbare assets?

Wat is op dit moment de grootste uitdaging in jullie attack surface?

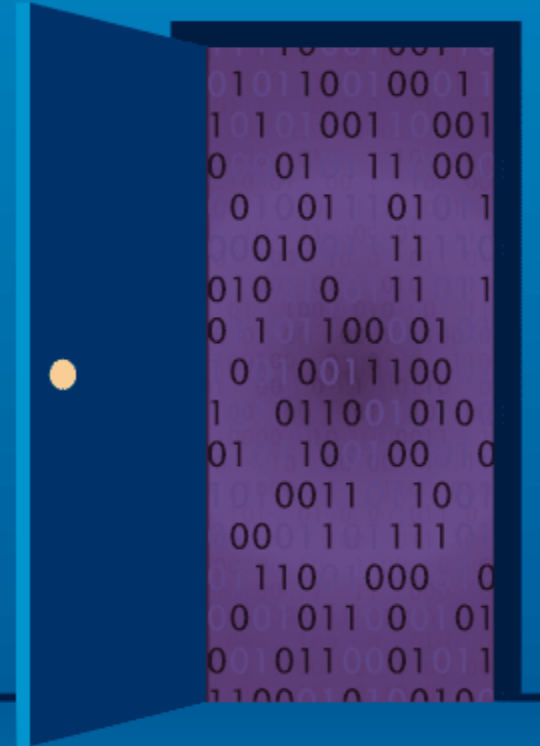
Meerdere diensten



Initiatief weerbaarheidstesten – 'projectmanagement'

Geleerd bij het 'van check tot hack' traject.

10 instellingen x 5/6 checks = 

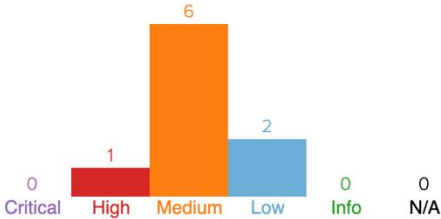


Bevindingen

Nodes + < Overview

- plugin.output
- Uploaded files

Issues so far



High

- Apache Axis End of Life (EOL) Detection

Medium

- FTP Unencrypted Cleartext Login
- Missing 'HttpOnly' Cookie Attribute (HTTP)
- SSL/TLS: Deprecated TLSv1.0 and TLSv1.1 Protocol Detection
- Weak Encryption Algorithm(s) Supported (SSH)
- Weak Key Exchange (KEX) Algorithm(s) Supported (SSH)
- Weak MAC Algorithm(s) Supported (SSH)

Project team



You don't have any methodologies yet

Use methodologies to ensure consistency across all of your projects.

Go To Methodologies

[More about methodologies](#)

Recent activity

All Activity

-  updated the [ICMP Timestamp Reply](#) issue.
-  updated the [TCP Timestamps Information](#) issue.
-  updated the [Weak Key Exchange \(KEX\) Algorithm\(s\) Supported \(SSH\)](#) issue.
-  updated the [FTP Unencrypted Cleartext Login](#) issue.
-  updated the [Weak Encryption Algorithm\(s\) Supported \(SSH\)](#) issue.
-  updated the [Missing 'HttpOnly' Cookie Attribute \(HTTP\)](#) issue.
-  updated the [Weak MAC Algorithm\(s\) Supported \(SSH\)](#) issue.

Bevindingen

High

🚩 Apache Axis End of Life (EOL) Detection

Medium

🚩 FTP Unencrypted Cleartext Login

🚩 Missing 'HttpOnly' Cookie Attribute (HTTP)

🚩 SSL/TLS: Deprecated TLSv1.0 and TLSv1.1
Protocol Detection

🚩 Weak Encryption Algorithm(s) Supported (SSH)

🚩 Weak Key Exchange (KEX) Algorithm(s) Supported (SSH)

🚩 Weak MAC Algorithm(s) Supported (SSH)

Low

🚩 ICMP Timestamp Reply Information Disclosure

🚩 TCP Timestamps Information Disclosure

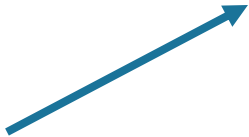
Normalisatie



Attack Surface Management



External vuln scanning

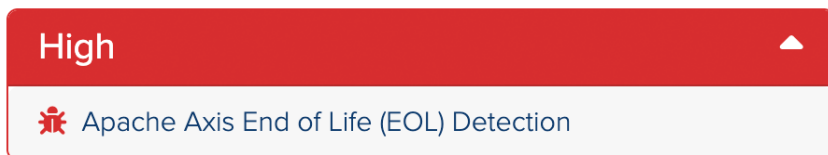


High



Apache Axis End of Life (EOL) Detection

Normalisatie - voordelen



Hogere integriteit



Minder (duplicate) meldingen



Betere performance

Details

Apache Axis End of Life (EOL) Detection

 Edit 

Title

Apache Axis End of Life (EOL) Detection

CVSSv2

10.0

AffectedSoftware

Description

The Apache Axis installation on the remote host has reached the End of Life (EOL) / is discontinued and should not be used anymore.

Recommendation

Axis 1 has been EOL and the vendor recommend to migrate to a different SOAP engine, such as Apache Axis2/Java.

Notes: - The latest available version 1.4 was released on April 22, 2006. Some more recent flaws have been fixed only in the SVN repository - The Apache Axis project does not expect to create an Axis 1.x release fixing these flaws - If the remote installation has been build from the SVN sources or is covered via 'backports' of a Linux distribution please create an override for this result

Prioritering (adressering!)

Apache Axis End of Life (EOL) Detection

Title

Apache Axis End of Life (EOL) Detection

CVSSv2

10.0

AffectedSoftware

Description

The Apache Axis installation on the remote host has reached the End of Life (EOL) / is discontinued and should not be used anymore.

Wanneer er voor een kwetsbaarheid een CVSS-score beschikbaar is, gebruiken we deze score als **startpunt** voor de prioritering. Het biedt duidelijke parameters zoals exploitability, impact op vertrouwelijkheid/integriteit/beschikbaarheid en de complexiteit van de aanval. Daarom is CVSS *leidend* wanneer het beschikbaar is.

Er zijn ook kwetsbaarheden waar geen CVSS-score voor bestaat. Dit komt vooral voor bij **misconfiguraties** en ontbrekende (of niet nageleefde) **policies**. In dergelijke gevallen passen we een prioriteringsmodel toe, hierbij hanteren we de volgende categorieën:

- **Critical** - Direct risico op misbruik of ernstige schade.
- **High** - Significant risico.
- **Medium** – Beperkt risico
- **Low** – Laag risico

Maar onthoudt CVSS ≠ Risico. We wensen dat de bevindingen worden geadresseerd, dit is niet hetzelfde als oplossen.

Handelingsperspectief

AffectedSoftware

Description

The Apache Axis installation on the remote host has reached the End of Life (EOL) / is discontinued and should not be used anymore.

Recommendation

Axis 1 has been EOL and the vendor recommend to migrate to a different SOAP engine, such as Apache Axis2/Java.

Notes: - The latest available version 1.4 was released on April 22, 2006. Some more expect to create an Axis 1.x release fixing these flaws - If the remote installation has an override for this result

Vulnerability scanners leveren bij een gevonden kwetsbaarheid vaak automatisch een aanbevelingen aan. Deze adviezen geven ook direct richting aan de te nemen maatregelen, zoals het installeren van een specifieke patch, het aanpassen van configuraties of het toepassen van security best practices. Dit helpt om snel en consistent te bepalen wat de passende remedie is.

Bij de ASM tooling en bij eduC2 ligt dit anders. Deze tools leveren waardevolle detecties op, maar geven geen automatisch gegenereerde oplossingsadviezen. Dat betekent dat we zelf moeten bepalen welke remediëerstappen nodig zijn, en dit vraagt om een meer structurele aanpak.

- Richtlijnen per type misconfiguratie (bijv. policies, cloud resources).
- Best practices gebaseerd op CIS-benchmarks of interne baseline-standaarden.
- Heldere instructies voor beheerteams over hoe het probleem te verhelpen is.
- Eventuele workarounds of tijdelijke mitigerende maatregelen wanneer patches niet beschikbaar zijn.

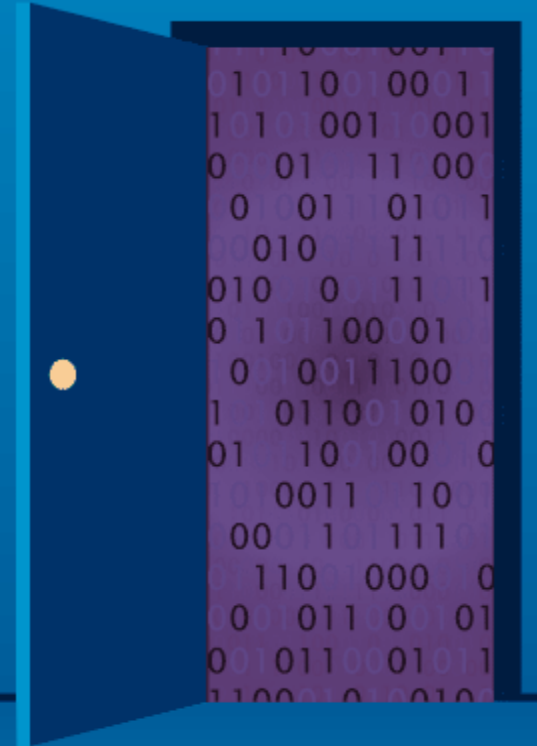
Toekomst

Ontwikkelen detecties EduC2.

Ontwikkelen normalisatie.

Ontwikkelen handelingsperspectief.

En het inrichten van alle bijbehorende processen.



Kwetsbaarheden opsporen en oplossen

Voor vragen:

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