Alexander Ticket

Note: This report has been sanitized for public sharing.

All internal IPs, hostnames, and Splunk URLs have been redacted or replaced with simulated values.

Report was originally prepared for Jira; internal console links are not publicly accessible. Query references shown for context

QRadar ID: **55269**

Description

ET WEB_SERVER ColdFusion componentutils access — Probe for `/CFIDE/componentutils/` suggesting ColdFusion component reconnaissance/exploitation attempt.

Victim:

[internal web server] - redacted-domain.local

** Encoded log:**

"\\/CFIDE\\/componentutils\\/"

** Decoded log:**

"/CFIDE/componentutils/"

ATTACKER INFO:

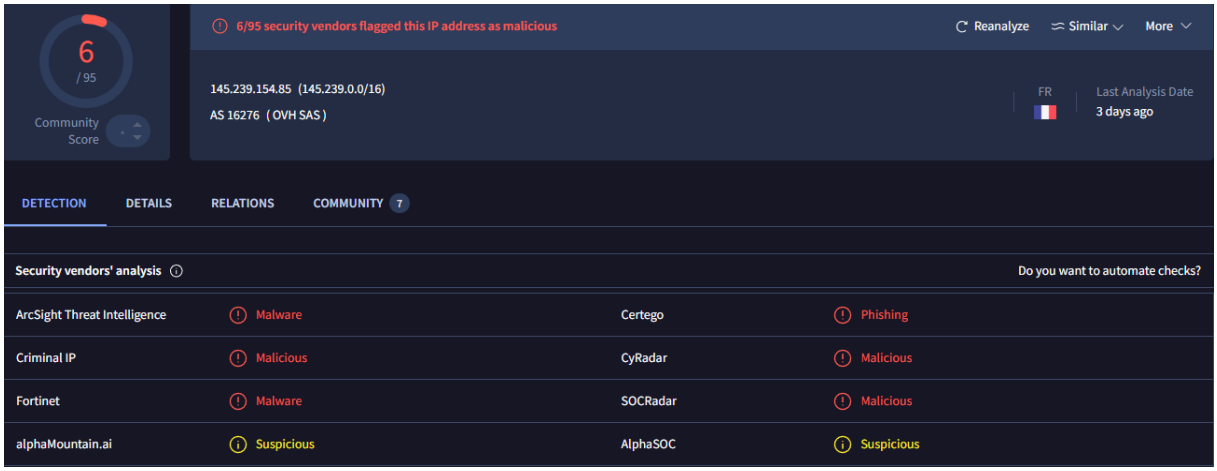
IP: `145.239.154.85` on port `49704`

User Agent: ""`Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"` — this string is consistent with a desktop Chrome 94 on Windows 10, but User-Agent headers are trivially spoofable. Treat this UA as **not** proof of a human browser; automated scanners and exploit tools commonly impersonate popular browsers to evade detection. "

ANALYST INVESTIGATION:

Virus Total Result: **[here|https://www.virustotal.com/gui/ip-address/145.239.154.85]**

Security Vendors' Analysis from Virus Total: **6/95 security vendors flagged this IP address as malicious and 2 flagged as suspicious**



Talos Intelligence:

REPUTATION DETAILS:

Email Reputation: *Neutral*

Web Reputation: *Questionable*

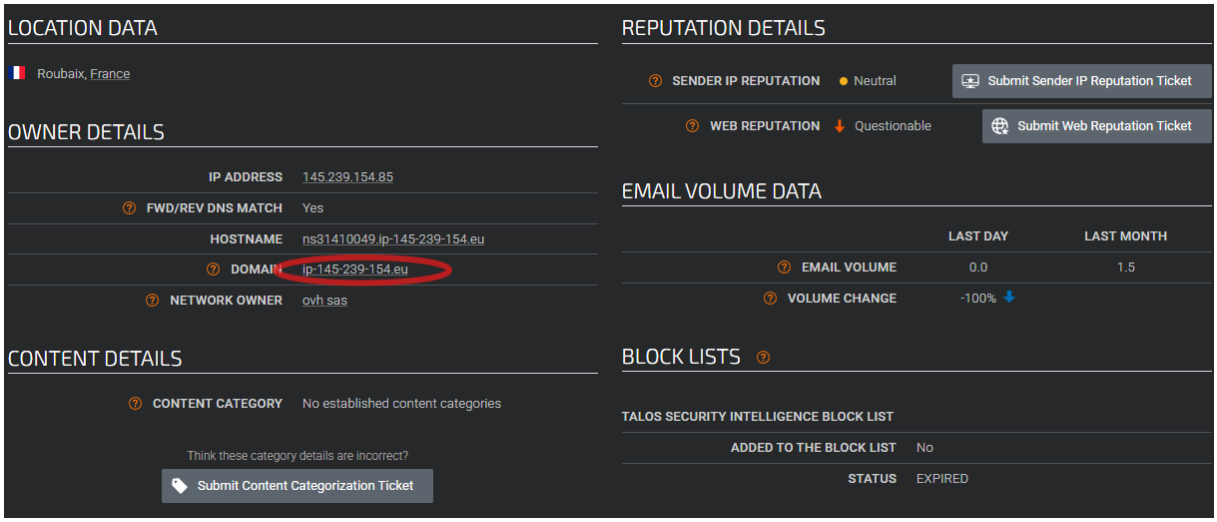
BLOCK LISTS:

Talos Security Intelligence Block List

Added to the Block List = No

Status = EXPIRED

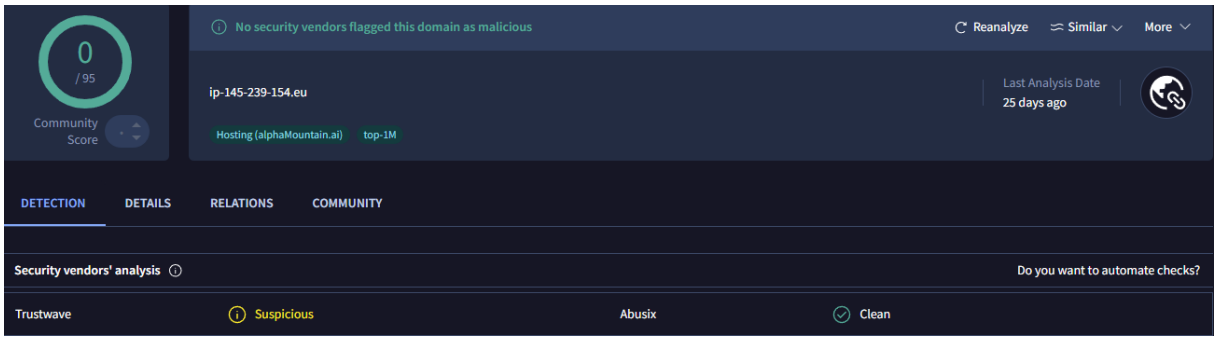
Talos Result:
[here|https://talosintelligence.com/reputation_center/lookup?search=145.239.154.85]



The source IP **145.239.154.85 was checked in Cisco Talos, which resolved to the domain **ip-145-239-154.eu**.**

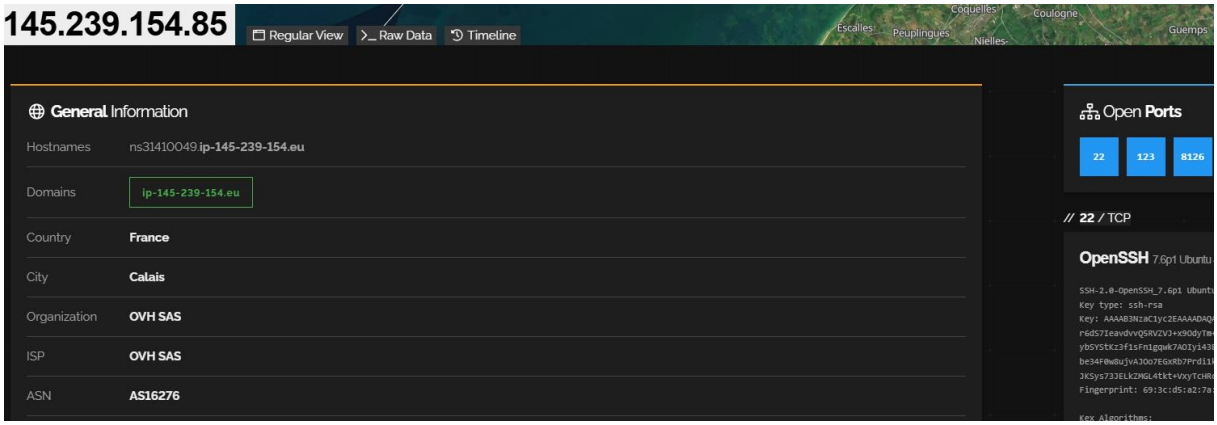
A lookup of this domain in VirusTotal showed **0/94 security vendors flagged it as malicious, but Trustwave flagged as "suspicious"**

[here|https://www.virustotal.com/gui/domain/ip-145-239-154.eu]



ShodanResult: **[here|https://www.shodan.io/host/145.239.154.85]**

Open Ports: 22, 123, 8126



CensysResult: **[here**|https://search.censys.io/hosts/145.239.154.85]

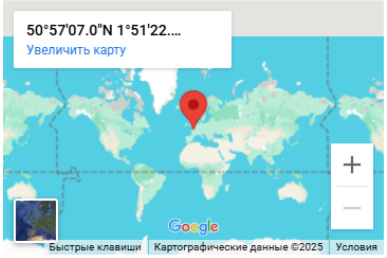
145.239.154.85

As of: **Sep 17, 2025 12:32pm UTC** | Latest

Summary History WHOIS Explore Raw Data

Basic Information

Reverse DNS	ns31410049.ip-145-239-154.eu
Forward DNS	ns31410049.ip-145-239-154.eu
Routing	145.239.0.0/16 via OVH, FR (AS16276)
OS	Ubuntu Linux 18.04
Services (3)	22/SSH, 123/NTP, 8126/HTTP
Labels	REMOTE ACCESS



SSH 22/TCP

09/17/2025 12:31 UTC

REMOTE ACCESS

Software

VIEW ALL DATA

- linux
- Ubuntu Linux 18.04
- OpenBSD OpenSSH 7.6

Details

Host Key

Algorithm	ecdsa-sha2-nistp256

Geographic Location

City	Calais
Province	Hauts-de-France
Country	France (FR)
Coordinates	50.95194, 1.85635
Timezone	Europe/Paris

Splunk Investigation: A total of **3,983 events** were identified for IP `145.239.154.85`.

To focus the investigation, the key URI `\/CFIDE/componentutils\/` was applied, which reduced the dataset to **6 events**.

```
145.239.154.85
✓ 3,983 events (before 9/17/25 11:21:18.000 PM)    No Event Sampling ▾
```

↑↑↑

Result 1: Splunk search – internal link (not accessible)

```
145.239.154.85, \/CFIDE\/componentutils\/
✓ 6 events (before 9/17/25 11:22:44.000 PM)    No Event Sampling ▾
```

↑↑↑

Result 2: Splunk search – internal link (not accessible)

```
index=YOUR_INDEX src_ip=145.239.154.85 http.url="/CFIDE/componentutils/" http.status!=404
✓ 0 events (before 9/17/25 11:29:37.000 PM)    No Event Sampling ▾
```

↑↑↑

HTTP response status for all events: 404 (Not Found) – no successful exploitation observed.

Result 3: Splunk search – internal link (not accessible)

```
index=YOUR_INDEX src_ip=145.239.154.85
| stats count by http.url
| sort - count
```

✓ **0 events** (before 9/17/25 11:30:25.000 PM) No Event Sampling ▾

↑↑↑

No additional URIs were found for IP `145.239.154.85`.

This indicates the attacker focused only on `/CFIDE/componentutils/` and did not attempt other paths.

Result 4: Splunk search – internal link (not accessible)

```
index=YOUR_INDEX src_ip=145.239.154.85 http.url="/CFIDE/componentutils/"
| where _time >= relative_time(now(), "-30m")
```

✓ **0 events** (before 9/17/25 11:31:20.000 PM) No Event Sampling ▾

↑↑↑

No recent activity in the last 30 minutes, suggesting no ongoing attack.

Result 5: Splunk search – internal link (not accessible)

Raw Data:

<168>suricata[8969]: {"timestamp":"2025-08-16T06:42:18.879129-0400","flow_id":826671155015547,"in_iface":"eth0","event_type":"alert","src_ip":"145.239.154.85","src_port":49704,"dest_ip":" [internal web server] *","dest_port":80,"proto":"TCP","tx_id":0,"alert":{"action":"allowed","gid":1,"signature_id":2016182,"rev":6,"signature":"ET WEB_SERVER ColdFusion componentutils access","category":"Web Application Attack","severity":1},"http":{"hostname":" [redacted-hostname]","url":"\/CFIDE\/componentutils\/","http_user_agent":"Mozilla\/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit\/537.36 (KHTML, like Gecko) Chrome\/94.0.4606.81 Safari\/537.36","http_content_type":"text\/html","http_method":"GET","protocol":"HTTP\/1.1","status":404,"length":289}}*

Additional Findings:

145.239.154.85 was found in our database!

This IP was reported **960** times. Confidence of Abuse is **100%**: ?

100%

ISP	OVH SAS
Usage Type	Data Center/Web Hosting/Transit
ASN	AS16276
Hostname(s)	ns31410049.ip-145-239-154.eu
Domain Name	ovh.net
Country	France
City	Calais, Hauts-de-France

IP info including ISP, Usage Type, and Location provided by IPInfo. Updated biweekly.

REPORT 145.239.154.85 | WHOIS 145.239.154.85

This IP address has been reported a total of **960** times from 312 distinct sources. 145.239.154.85 was first reported on July 27th 2024, and the most recent report was **42 minutes ago**.

__ResultAbuseIPDB:__ **[here|https://www.abuseipdb.com/check/145.239.154.85]**

ANALYST ASSESSMENT

Summary:
Suricata detected `ET WEB_SERVER ColdFusion componentutils access` from source IP **145.239.154.85** against [internal web server] - redacted-domain.local. Splunk shows **3,983** total events from this IP; filtering to the ColdFusion path `/CFIDE/componentutils/` reduced the set to **6 events**. All six returned **HTTP 404 (Not Found)**. No other URIs or non-404 responses were observed. Overall, activity is consistent with automated reconnaissance rather than a successful exploit.

Attack details:

- **Source:** 145.239.154.85 (src port 49704) → **Destination:** [internal web server] - redacted-domain.local
- **Targeted path:** `/CFIDE/componentutils/` (Adobe ColdFusion component probe)
- **Events:** 6 requests to that path (subset of 3,983 total events from this IP)
- **HTTP status:** 404 for all observed attempts — **no successful response** recorded
- **Suricata signature:** `ET WEB_SERVER ColdFusion componentutils access` (sid: 2016182 rev:6)

Path breakdown / what it means:

- `/CFIDE/` — ColdFusion administrative/utility components commonly probed by attackers.
- `componentutils` — frequently targeted ColdFusion component; existence may allow remote actions or information disclosure if vulnerable.
- Observed requests appear to be **probes** to detect presence of ColdFusion endpoints; 404 responses indicate the path was not present/accessible.

Method / Indicators:

- **HTTP method:** GET — passive probing to discover endpoint.
- **User-Agent:** `"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"` — looks like a common browser UA but is trivially spoofable; treat as **not** proof of human browsing.

- **Timing/volume:** large number of events from the source overall (3.98k) but only 6 hits to the specific ColdFusion path — typical scanner behavior.

Threat Intelligence enrichment :

- **VirusTotal (IP):** 6/95 vendors flagged the IP as malicious; 2 vendors flagged as suspicious.
- **VirusTotal (domain `ip-145-239-154.eu`):** 0/94 detections for the domain itself, but Trustwave labeled it **suspicious**.
- **Talos:** reputation lookup shows *no active block list entry / status: EXPIRED* (no current block).
- **Shodan:** host shows open ports including `22`, `123`, `8126` (note: presence of open services increases attack surface).
- **AbuseIPDB:** IP reported ~**960** times from **312** distinct sources (historical abuse reports).
- **Censys / other scanners:** present (links saved in ticket for analysts to review full host/service fingerprint).

> Note: TI sources are discordant — some vendors flag the IP, domain VT shows 0/94 but Trustwave marks suspicious. Treat as **potentially suspicious** and correlate with telemetry.

Detection context:

- Signature-triggered Suricata alert for a web application probe.
- Splunk analysis confirms limited, targeted probing of the ColdFusion path and no evidence of successful exploitation.
- No additional suspicious URIs, no rare/unique User-Agents, and no recent activity in the last 30 minutes.

Impact if successful :

- Remote Command Execution (RCE) via vulnerable CF components or misconfigured handlers.
- Data disclosure, webshell installation, persistence, lateral movement, or pivoting from a compromised web host.
- Potential privilege escalation if executed commands run with elevated rights.

Mini Attack Visualization:

Suricata detects `ET WEB_SERVER ColdFusion componentutils access` (Web Application Attack)]

↓

[Analyst investigates Suricata alert — source IP 145.239.154.85]

↓

[Connection observed from source port 49704 → destination [internal web server] - redacted-domain.local]

↓

[HTTP GET requests targeting `/CFIDE/componentutils/`]

↓

[User-Agent present: `"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36"` — likely spoofable]

↓

[Splunk correlation: 3,983 total events from IP → narrowed to 6 events for `/CFIDE/componentutils/`]

↓

[All 6 requests returned HTTP 404 Not Found — no successful response observed]

↓

[Threat intel: VirusTotal flags 6/95 vendors for the IP; Trustwave marks related domain as suspicious; AbuseIPDB ~960 reports]

↓

[Shodan/Censys show open services (e.g., 22, 123, 8126) — increases attack surface]

↓

[Assessment: automated ColdFusion reconnaissance/scanning; no confirmed exploitation]

ACTION

1. **Block the Source IP (145.239.154.85)**

   Block the attacker's IP at the perimeter firewall, IDS/IPS, or WAF to prevent further reconnaissance attempts. Continue to monitor for reappearance from other IPs in the same ASN (`ip-145-239-154.eu`).

2. **Restrict Access to /cgi-bin/**
   Limit or disable public access to `/CFIDE/` directories if ColdFusion is not required. If ColdFusion is in use, restrict access to admin/utility components like `/CFIDE/componentutils/` to trusted IPs or internal networks only.

3. **Harden Against Path Traversal**
   Verify that ColdFusion is fully patched. Disable unused components and ensure error pages do not leak stack traces or version information. Confirm directory listing is disabled.

4. **Enable or Tune WAF Rules**

   Configure the Web Application Firewall to detect and block:

- **Requests to `/CFIDE/*` from untrusted sources**
- **Automated reconnaissance patterns targeting ColdFusion components**
- **Suspicious or spoofed User-Agent strings that mimic browsers but originate from mass scanners**

5. **Investigate Suspicious User-Agent (libredtail-http)**
   Review logs for other requests from IP `145.239.154.85` with the same User-Agent string
   `Mozilla/5.0 (Windows NT 10.0; Win64; x64) Chrome/94.0.4606.81`.
   Spoofed UA strings are common in scanning tools — correlate with request frequency and target paths.

6. **Expand Threat Hunting via Threat Intelligence**
   Monitor for related activity from the domain `ip-145-239-154.eu` and other malicious IPs flagged in VirusTotal or AbuseIPDB. Add these indicators to watchlists for early detection.

7. **Correlate in Historical Logs**

   Search Splunk/QRadar for additional requests to `/CFIDE/` or other ColdFusion endpoints in the last 30–60 days. Look for any non-404 responses or POST requests that might indicate exploitation attempts.

8. **Validate QRadar SIEM Offense**
   The detection was initially triggered in **QRadar (Severity 9 offense)**. Verify that correlation rules are tuned to generate alerts for similar exploitation attempts.

9. **Continuous Monitoring**
   Set up alerting for future attempts targeting `/CFIDE/componentutils/`. Escalate if you observe successful responses (200/500), file uploads, or command execution attempts.