



FORENSIC ACQUISITION REPORT

Web Page

Acquired URL	https://example.com/
Domain	example.com
Acquisition Code	c6269c8a-fca9-46d9-ac0f-cb8ba079e57b
Acquisition Date	2026-09-28 17:18:10 GM +2
Duration	0m 29s

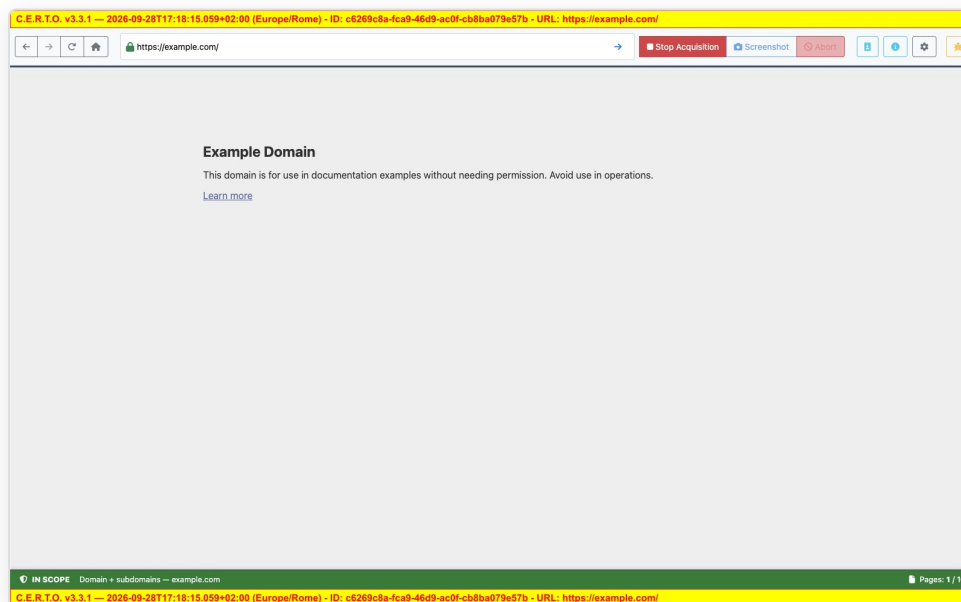
Acquisition operator

First Name / Last Name	Giovanni Carrieri
Username	giovannicarrieri (ID 1)
Email / PEC	email@acquisizioniforensi.it / n/d
Business Name	Giovanni Carrieri
Tax Code / VAT Number	CRRGNN75M26C136Q / 07669810728

Declared forensic scope

Scope mode	Domain and subdomains
Declared object	Demonstrative forensic acquisition of a test web page via web page capture software
Declared method	Viewport and full-page screenshot + DOM HTML snapshot + Referenced resources + Network HAR + Session video + WACZ replay archive + Timestamp Public TSA RFC 3161 (Sectigo/DigiCert/GlobalSign)
Declaration moment	2026-09-28 17:15:28 (UTC+02:00)

Scope declaration made by the operator BEFORE starting the acquisition. The «Declaration moment» is the local time recorded when the declaration was made (not the time of the documented fact).



URL: https://example.com/
File name: pages/001_example.com_0f115db0/screenshots/screen_1_2026-09-28_15-18-14-963.jpeg · **Size:** 122.2 KB
MD5: cef6caf73fcf2b438dd91a0735cc2213
SHA-1: a8400e6e5a444b96db9cbc015cb352dce378105d
SHA-256: e0e320c23a367512e28b6124c85750eac4e4ea07c627fca61b957e2a9be3c81e



Acquisition Information

Acquired URL	https://example.com/
Domain	example.com
Remote Server IP	104.20.23.154
Acquisition Code	c6269c8a-fca9-46d9-ac0f-cb8ba079e57b



Server and content delivery network

Acquired host	example.com
Contacted address	104.20.23.154
	observed by the browser during the connection
Content delivery network (CDN)	Cloudflare — probable identification
Edge node	FC0
Origin server	not observable from this capture point
	this is precisely what an interposed CDN conceals: the contacted address is the edge node, not the origin server
DNS A records	172.66.147.243, 104.20.23.154
DNS AAAA records	2606:4700:10::6814:179a, 2606:4700:10::ac42:93f3
DNS records measured at	2026-09-28T15:18:48.499Z

Signals detected

- header cf-ray: a423b825294eea4e-FC0
- header cf-cache-status: HIT
- server: cloudflare

The contacted address is a datum observed during the capture and can be verified in network/network.har (serverIPAddress field). The DNS records and the signals can be verified in network/dns-lookup.txt and network/http-headers.txt.



Acquired Pages (1)

One row per page actually acquired (with a dedicated pages/NNN_domain_path/ sub-directory); the same URL visited multiple times is listed only once. Hybrid strategy: viewport and DOM captured in real time at the moment of the visit; fullpage captured post-hoc at the end of the acquisition (temporal drift noted for each page).

#	Status	URL	Sub-directory / Artifacts
1	IN	Example Domain https://example.com/ visited: 2026-09-28T15:18:10.622Z	pages/001_example.com_0f115db0 viewport ✓ · DOM ✓ · fullpage ✓ (1 sect, drift 41s)



Time Information

Start (UTC)	2026-09-28 15:18:10
Navigation end (UTC)	2026-09-28 15:18:40
Start (Europe/Rome)	2026-09-28 17:18:10 GM +2
Navigation end (Europe/Rome)	2026-09-28 17:18:40 GM +2
Session Duration	0m 29s



Time Synchronization (NTP)

NTP Server	time.google.com
Synchronized	Yes
System Offset	14 ms
NTP Round-trip	73 ms
Assessment	Clock synchronized (3/3 sources, consensus offset: 14ms, max dev.: 22ms)



Client Network Information

LAN IP	192.168.1.20
Public IP	93.67.184.82
Gateway	192.168.1.1



Captured Screenshots (4 total)

Viewport Screenshots (3)

Screenshot 1 — Viewport

122.2 KB • pages/001_example.com_0f115db0/screenshots/screen_1_2026-09-28_15-18-14-963.jpeg

C.E.R.T.O. v3.3.1 — 2026-09-28T17:18:15.059+02:00 (Europe/Rome) - ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b - URL: https://example.com/

←

→

↻

🏠

https://example.com/

→

Stop Acquisition

Screenshot

Abort

🔍

🔔

⚙️

🌟

Example Domain

This domain is for use in documentation examples without needing permission. Avoid use in operations.

[Learn more](#)

🔍 IN SCOPE Domain + subdomains — example.com

Pages: 1 / 10

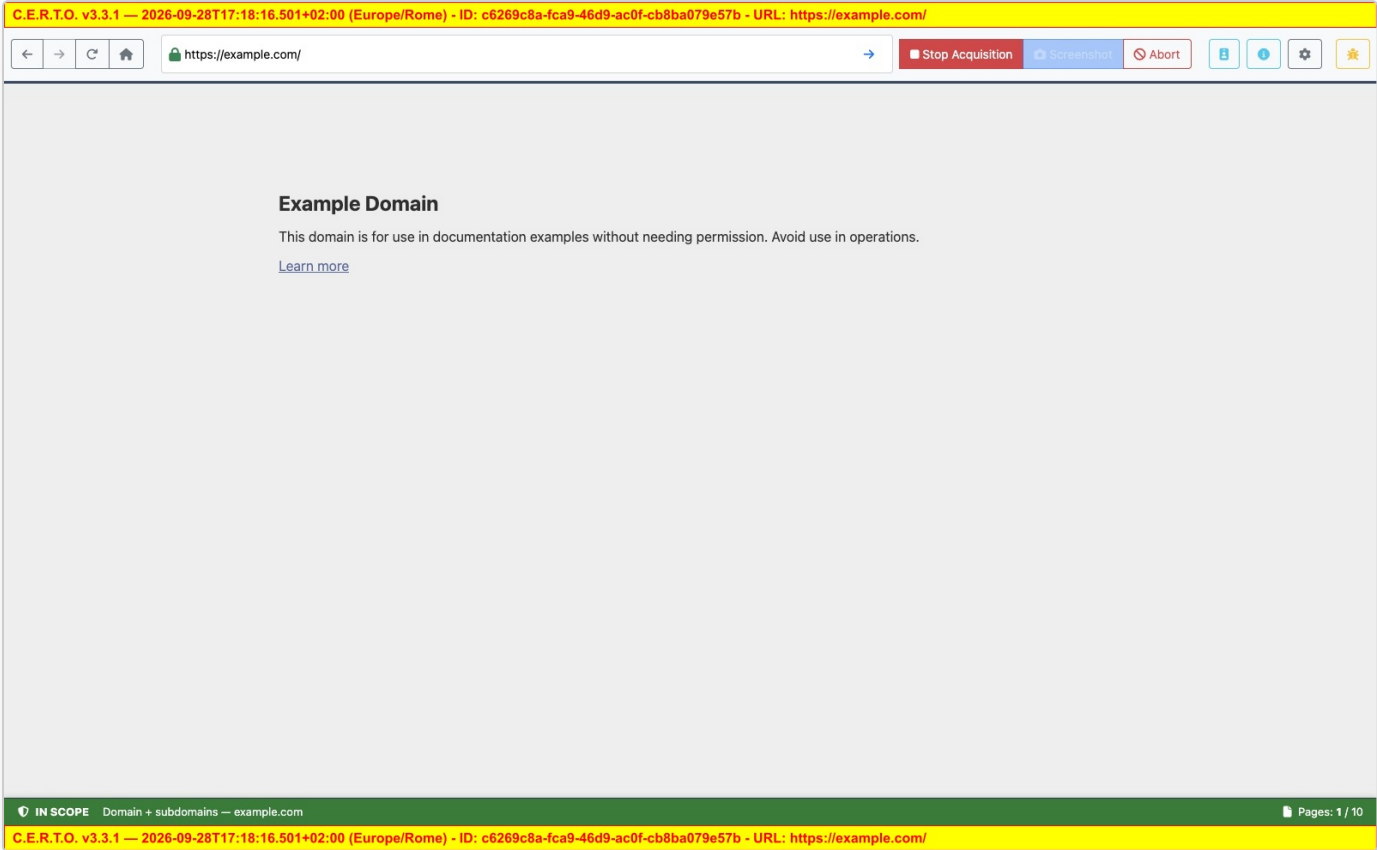
C.E.R.T.O. v3.3.1 — 2026-09-28T17:18:15.059+02:00 (Europe/Rome) - ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b - URL: https://example.com/

MD5 cef6caf73fcf2b438dd91a0735cc2213 · SHA-1 a8400e6e5a444b96db9cbc015cb352dce378105d

SHA-256 e0e320c23a367512e28b6124c85750eac4e4ea07c627fca61b957e2a9be3c81e

Screenshot 2 — Viewport

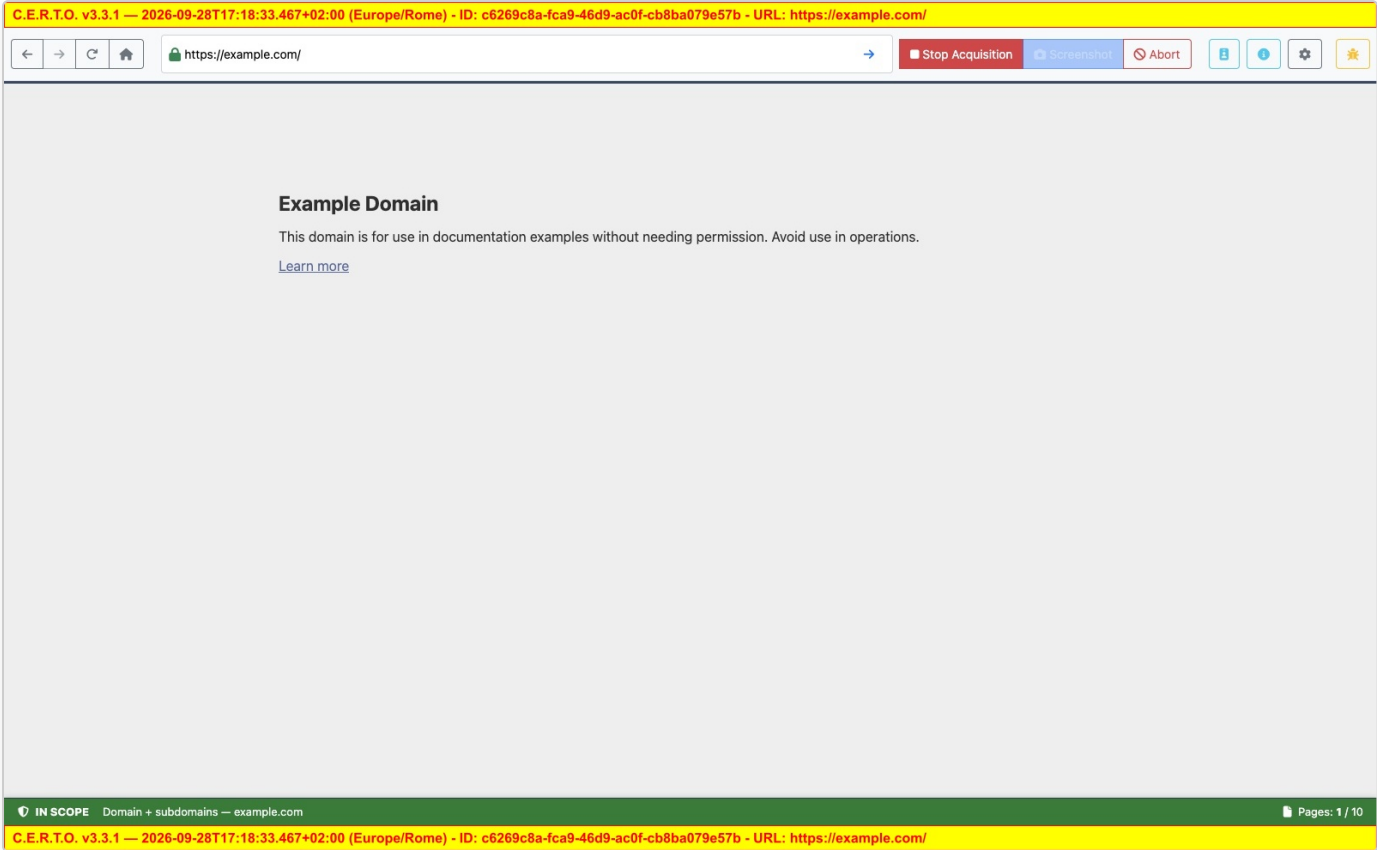
121.9 KB • pages/001_example.com_0f115db0/screenshots/screen_2_2026-09-28_15-18-16-410.jpeg



MD5 7267a9ec4b3e2fe753b287259f0d910a · **SHA-1** 9ca3af55625f2a94c505a859cf543d810738cb8f
SHA-256 6996f33604ee44672af0aba1e6e0784656fb9362914fbc5322c19f510339ea12

Screenshot 3 — Viewport

121.9 KB • pages/001_example.com_0f115db0/screenshots/screen_3_2026-09-28_15-18-33-376.jpeg



MD5 391f547fb396f9c30422ab9869c795e6 · **SHA-1** bee41c823f462bd600fee7a8530ce074896fa519
SHA-256 8e88d780468da2437fc3936f391969e526ff09c5246fa825c63b81599d69964c



Full Page Screenshots (1)

Screenshot 1 — Full Page

87.4 KB • pages/001_example.com_0f115db0/screenshots-fullpage/fullpage_1.jpeg

C.E.R.T.O. v3.3.1 — 2026-09-28T17:18:54.395+02:00 (Europe/Rome) - ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b - URL: https://example.com/

Example Domain

This domain is for use in documentation examples without needing permission. Avoid use in operations.

[Learn more](#)

C.E.R.T.O. v3.3.1 — 2026-09-28T17:18:54.395+02:00 (Europe/Rome) - ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b - URL: https://example.com/

MD5 47987b488dcf080553387728007c666d · **SHA-1** 9819ad37d80d02bdd9c8dfa334a0442f47f9c8af
SHA-256 f2de53f9e79532545316c787b84c4ffca4ff9a4b160e168a9420078489a07a29



HTTP Headers

=====

HTTP HEADERS REPORT

=====

Acquisition Code: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b
Generated: 2026-09-28T15:18:55.804Z

=====

MAIN PAGE RESPONSE

=====

REQUEST INFORMATION

URL: https://example.com/
Method: GET
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) acquisizioni-forensi/3.3.1 Chrome/142.0.0.0 Safari/537.36
Timestamp: 2026-09-28T15:18:54.947Z

RESPONSE INFORMATION

Status Code: 200
Status Text: OK
Content-Type: text/html
Content-Length: 755



HTTP RESPONSE HEADERS

```
-----  
age: 2009  
allow: GET, HEAD  
cf-cache-status: HIT  
cf-ray: a423b825294eea4e-FC0  
content-encoding: br  
content-type: text/html  
date: Mon, 28 Sep 2026 15:18:12 GMT  
last-modified: Sat, 26 Sep 2026 09:09:07 GMT  
server: cloudflare
```

HTTP REQUEST HEADERS

```
-----  
Upgrade-Insecure-Requests: 1  
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) acquisizioni-forensi/3.3.1 Chrome/142.0.0.0 Safari/537.36
```

COOKIES: No cookies were captured during the session.

=====



DNS Lookup

DNS Lookup for example.com

Timestamp: 2026-09-28T15:18:48.499Z

A Records (IPv4):

172.66.147.243
104.20.23.154

AAAA Records (IPv6):

2606:4700:10::6814:179a
2606:4700:10::ac42:93f3

MX Records (Mail Exchange):

Priority: 0, Exchange:

TXT Records:

_k2n1y4vw3qtb4skdx9e7dxt97qrmmq9
v=spf1 -all

NS Records (Name Servers):

hera.ns.cloudflare.com
elliott.ns.cloudflare.com



Traceroute

Traceroute to example.com

Timestamp: 2026-09-28T15:18:50.640Z

Command: traceroute -I -q 1 -w 1 -m 20 example.com

Status: Completed

Results:

```
1 192.168.1.1 (192.168.1.1) 1.289 ms  
2 net-93-67-184-1.cust.vodafone.it (93.67.184.1) 4.503 ms  
3 *  
4 *  
5 185.210.48.76 (185.210.48.76) 13.075 ms
```



```
6 185.210.48.77 (185.210.48.77) 12.661 ms
7 172.68.196.21 (172.68.196.21) 14.196 ms
8 104.20.23.154 (104.20.23.154) 13.679 ms
```

Warnings:

traceroute: Warning: example.com has multiple addresses; using 104.20.23.154
traceroute to example.com (104.20.23.154), 20 hops max, 48 byte packets



Domain WHOIS

WHOIS lookup for example.com

Timestamp: 2026-09-28T15:18:48.832Z

% IANA WHOIS server

% for more information on IANA, visit <http://www.iana.org>

% This query returned 1 object

domain: EXAMPLE.COM

organisation: Internet Assigned Numbers Authority

created: 1992-01-01

source: IANA



SSL/TLS Certificates

example.com

Subject	CN=example.com
Issuer	Cloudflare TLS Issuing ECC CA 3
Protocol	TLS 1.3
Cipher	AES_128_GCM
Key Exchange	X25519MLKEM768
Serial Number	01eee6aabb521d5e14fc315fd9985690
Valid From	2026-09-26 22:49:11
Valid To	2026-12-25 22:56:35
SAN	DNS:example.com, DNS:*.example.com



System Information

=====

SYSTEM INFORMATION REPORT



```
=====
Acquisition Code: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b
Generated: 2026-09-28T15:18:55.804Z
Report Version: 3.3.1 - 2026-09-28
=====
```

```
=====
OPERATING SYSTEM
=====
```

```
SYSTEM IDENTIFICATION
-----
```

```
Platform: darwin
OS Type: Darwin
OS Release: 27.0.0
OS Version: Darwin Kernel Version 27.0.0: Tue Aug 11 21:05:48 PDT 2026; root:xnu-13432.1.9~1/RELEASE_ARM64_T6041
Architecture: arm64
Hostname: Mac-mini.local
Endianness: LE
```

```
USER INFORMATION
-----
```

```
Username: <utente>
User ID: 501
Group ID: 20
Home Directory: ~
Shell: /bin/zsh
```

```
SYSTEM DIRECTORIES
-----
```

```
Home Directory: ~
Temp Directory: /var/folders/9x/wt_1l0g10j95yx79ccd1sr5h0000gn/T
Current Working Directory: /
App Data Path: ~/Library/Application Support/acquisizioni-forensi
App Documents Path: ~/Documents
App Desktop Path: ~/Desktop
```

```
=====
HARDWARE INFORMATION
=====
```

```
PROCESSOR INFORMATION
-----
```

```
CPU Architecture: arm64
CPU Count: 12
CPU Model: Apple M4 Pro
CPU Speed: 2400 MHz
```

```
CPU CORES:
```

```
Core 0: 2400 MHz (Usage: 39.25%)
Core 1: 2400 MHz (Usage: 33.66%)
Core 2: 2400 MHz (Usage: 26.85%)
Core 3: 2400 MHz (Usage: 21.98%)
Core 4: 2400 MHz (Usage: 2.22%)
Core 5: 2400 MHz (Usage: 1.72%)
Core 6: 2400 MHz (Usage: 1.39%)
Core 7: 2400 MHz (Usage: 1.21%)
... and 4 more cores
```

```
MEMORY INFORMATION
-----
```

```
Total Memory: 24.00 GB
Used Memory: 23.70 GB
Free Memory: 0.30 GB
Memory Usage: 98.75%
Available Memory: 1.25%
```

```
PROCESS MEMORY USAGE
-----
```

```
RSS (Resident Set Size): 380.75 MB
```



Heap Total: 53.59 MB
Heap Used: 44.77 MB
External: 22.53 MB

=====

RUNTIME ENVIRONMENT

=====

APPLICATION RUNTIME

Node.js Version: v22.22.1
V8 Engine Version: 14.2.231.22-electron.0
UV Version: 1.51.0
Zlib Version: 1.3.1
OpenSSL Version: 0.0.0
ICU Version: 74.2
Electron Version: 39.8.10
Chrome Version: 142.0.7444.265

PROCESS INFORMATION

Process ID: 7791
Parent Process ID: 1
Process Title: /Applications/CERTO.app/Contents/MacOS/CERTO
Process Uptime: 3m 51s
System Uptime: 5h 21m 33s
Load Average: 4.48, 4.54, 4.38
Executable Path: /Applications/CERTO.app/Contents/MacOS/CERTO

ENVIRONMENT VARIABLES

USER: giovannicarrieri
HOME: ~
SHELL: /bin/zsh

=====

NETWORK CONFIGURATION

=====

INTERFACE: lo0

Address Family: IPv4
IP Address: 127.0.0.1
Netmask: 255.0.0.0
MAC Address: 00:00:00:00:00:00
Internal: Yes

Address Family: IPv6
IP Address: ::1
Netmask: ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff
MAC Address: 00:00:00:00:00:00
Internal: Yes
Scope ID: 0

Address Family: IPv6
IP Address: fe80::1
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: Yes
Scope ID: 1

INTERFACE: en7

Address Family: IPv6
IP Address: fe80::1c44:e1ca:ae9f:3457
Netmask: ffff:ffff:ffff:ffff::
MAC Address: d8:ec:5e:bc:d7:8b
Internal: No
Scope ID: 11



Address Family: IPv6
IP Address: fdb2:461b:4549:5c20:41f:1bde:e350:31e9
Netmask: ffff:ffff:ffff:ffff::
MAC Address: d8:ec:5e:bc:d7:8b
Internal: No
Scope ID: 0

Address Family: IPv4
IP Address: 192.168.1.20
Netmask: 255.255.255.0
MAC Address: d8:ec:5e:bc:d7:8b
Internal: No

INTERFACE: utun0

Address Family: IPv6
IP Address: fe80::f996:762:85c9:c67e
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 20

INTERFACE: en1

Address Family: IPv6
IP Address: fe80::18d1:824d:42a1:cbf6
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 2a:60:08:ef:68:ab
Internal: No
Scope ID: 16

Address Family: IPv6
IP Address: fdb2:461b:4549:5c20:1c37:af3b:c6cc:bed4
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 2a:60:08:ef:68:ab
Internal: No
Scope ID: 0

Address Family: IPv4
IP Address: 192.168.1.79
Netmask: 255.255.255.0
MAC Address: 2a:60:08:ef:68:ab
Internal: No

INTERFACE: utun1

Address Family: IPv6
IP Address: fe80::e318:b403:a21e:b683
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 21

INTERFACE: awdl0

Address Family: IPv6
IP Address: fe80::f8e3:f4ff:fe58:b758
Netmask: ffff:ffff:ffff:ffff::
MAC Address: fa:e3:f4:58:b7:58
Internal: No
Scope ID: 17

INTERFACE: llw0

Address Family: IPv6
IP Address: fe80::f8e3:f4ff:fe58:b758
Netmask: ffff:ffff:ffff:ffff::
MAC Address: fa:e3:f4:58:b7:58
Internal: No
Scope ID: 18



INTERFACE: utun2

Address Family: IPv6
IP Address: fe80::cad6:387b:fd03:956e
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 22

INTERFACE: utun3

Address Family: IPv6
IP Address: fe80::ce81:b1c:bd2c:69e
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 23

INTERFACE: utun4

Address Family: IPv6
IP Address: fe80::25c5:b02a:96dc:da8d
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 25

INTERFACE: utun5

Address Family: IPv6
IP Address: fe80::3ca7:2ba8:cd0e:169d
Netmask: ffff:ffff:ffff:ffff::
MAC Address: 00:00:00:00:00:00
Internal: No
Scope ID: 26

INTERFACE: utun6

[...content truncated for the PDF, refer to the original file...]



Acquired File Inventory

Complete list of files generated during the forensic acquisition with their integrity hashes (MD5, SHA1, SHA256, SHA512).

ACQUISITION FILE

logs/acquisition-log.at-report.txt

23.08 Kb

MD5	8c7284e81f099552e52aea13a90e52f7
SHA1	813796af51a6e79340bc9aede8f950f5adc6550c
SHA256	103a6edea59ad7091f3750cef19d338bf9ecfd00a1deca7f50296e52b7068cf
SHA512	02ee3354d83a4b68e6ae86ca70d4847e5b3645e280c93b48b0398d1889d1b7c3d82696c84352510c769792c99816f3371b0a54c53f23cc5465acfad a42fe6d31



HTML CODE

resources/site-structure/example.com/dom-snapshot.html

755 Bytes

MD5	1674f8ff742cb17dcfea0e97786f64c8
SHA1	7e6fa144f158aed134c0f864827455983f61d715
SHA256	5a3234114b48e03924eb5299894516bc76aed8d9fb14c31100c6a1e85ddf93ce
SHA512	3f09d800784b7522a0164cb85c0b3749941c4209146ee2526346ccb704029949a21d6d05fc753436632510bc0e729d0c59cac13673170aaa610ab30719384ede

HTTP HEADERS

network/http-headers.txt

1.42 Kb

MD5	3dfb60d4213b840f9be2a2cfca4d42ba
SHA1	3870a03052615f88e78fc52c34cdd941aa3c48c0
SHA256	c464a7aa21bc7df2c62085aaf7742d8307e288bbca9f1c8fb26e4de1290d35f7
SHA512	3ea56f302d61a3b520ebdcd1d83279ea79fae9609db3f2fbda853e2fea52fc3c0f1013763368d7185d5807699599937acbb330640188586de6f21af85aae8aef

EXTRACTED LINKS

reports/links.txt

747 Bytes

MD5	3a8282d47e979f4ca43d125e75f1d2f5
SHA1	d2deecee1e05bab79c745c04fe047687c6727ff0
SHA256	f4b137f000ce2c0522f89b3105dfe39076d29a65ca33c52bb727cc02d8743380
SHA512	fbdef0066645f63a4d1a4a3b068e8669ecd15352327825b6fc958f89ea1e147755da86c9c43be7dd5b147399bf2be2725b6e049e75aae657f27d78aa0e4db9e8

COOKIES

reports/cookies.txt

1.03 Kb

MD5	bc647046a22fed3f305b36d1f159d3bc
SHA1	c294f51de511d0be824d6748b52be3967b817b8f
SHA256	159af30633ea8080ba4e95a2b39ad9fe849879489014048d4bebcddb7656eb8f
SHA512	47458bf31b159d95a60cc601138e366b358c00d4b6004fba2eb10e95033698c14d7eaa70d5072c433cbd17e48b4c967de82e2dc492f8485f522b0bd36e0d21ba

HAR NETWORK ARCHIVE

network/network.har

4.77 Kb

MD5	30ca0d08c8f86f5cd61ae5c0938eb1a6
SHA1	d431d1d9f23f315ea3fa222c84114207b837c370
SHA256	f57cae9cbbec8ae0799e64391d32887e55aeea24b91cb7f9e999ae3374c684c0
SHA512	fc2da45ab8db5be853591611d861417f3383235fe804cf41d357e988debea5dc786153f42f7bcee9c79488af5cf5ef4b93d56615397ff5ac6a9ecf373070980



DNS QUERY

network/dns-lookup.txt

389 Bytes

MD5	ed781034617584de563f4f1982a99f2a
SHA1	0cf1cee870fd446478b3abf77732ebd51b3e190e
SHA256	7613ae018649a8e039e49fbc207ea56443a5a205708f843a740844544125481a
SHA512	d01a8e7f8981bfefaf1ac8ad81e59487eb47eacda7e404696e61bf03cda9239b96e55d1279b1be8e78fb8be7e27aca451d03b272fae8973cf6865712706f5b1b

VIDEO RECORDING

evidence/video/recording_2026-09-28T15-18-14-560Z.webm

794.76 Kb

MD5	eba137b8309bf6da5c964fd4f9f3103b
SHA1	97e1da3af34a820498050256e91951b4fbf30447
SHA256	9acd91bcc1ee6f11b55973cfa43e5ed71760e92f7d86f963e58541b130765c56
SHA512	15ed026ed263efc6783bcc723aa617f07f808281596c8c333ad2611e0034dac15971de4f56327d2fe2cca859cc7524c591f72908dbbd56dcee9844b10ea46d5

SCREENSHOTS

reports/screenshots.txt

2.69 Kb

MD5	3bae1b7cb1f0e97cd00a66445442ed0d
SHA1	600134b04ac4e72cd3b5fc4f1cc35c896d6229f1
SHA256	9af9ae2da13f1d6a775735c0003a743ab419d789c4b90e0e26eb0e4f6dc07f04
SHA512	06cd2cb0542bc56156e5c937047a9d6ab3db7157ef0cc6786366ddc92f70483ae21866a1f41d23a387329461d50038cf77c031552ceda3303343d3c163c826e7

DOWNLOADED RESOURCES

reports/downloads.txt

1.73 Kb

MD5	e37f8e29cae14fbdac2090868901398
SHA1	527a6d0ac6ea7688d35f25efb0c841a1d12b13e9
SHA256	bc696e37bb1dd5394ae62155de244562ba342ca0819c81bf3d5c2467561fb4bd
SHA512	79a8560cf211823d5c91e46ab8b0d40fc2f63526a3462af184e0ebbab09f805318f84f0e47dbc9d9975c25a0fee9118fe49e33739f855e439d2ebc12572c620a

SYSTEM INFORMATION

reports/system-info.txt

6.63 Kb

MD5	97275043abc4f7a1b0271a7bfc63b3b8
SHA1	0618c39ce1400d4fe932f95447f4d21628e3281d
SHA256	6f175c46213dd41fd64bb4818e083c6273c6c8a3930ec68a31392139e6d66f94
SHA512	641b0639cf1d74abea3d0e0ad6ff6fc6c2f658ac90885d37f3e802eede8aac529fbd54986b785b4e65cd64f9b00197a4d12a1b3912c1f4f17d3668554e05e4cb



TRACEROUTE

network/traceroute.txt

598 Bytes

```
MD5      02a1f3194e8a1a8f4ce913468700b012
SHA1     5862dcba8295807e121ad997057649fd5a72e94
SHA256   96836544fdb8a8e313d8417e1f5f4f8393c52a71226d1392a9848b55e4a46
SHA512   b9d5e6fee33513d461e0bbebf4b1ddb470ce4e19a1934b2f3843f3073010b6b346025e11d687120a430d0c90522719adf3d542e4c3d4dc87e45f6d
b45bd5eb0
```

WHOIS

network/whois.txt

300 Bytes

```
MD5      b95d003c93e54adcfcdbd9978ac99fcee
SHA1     7e42edf9255d029e31b6d4062856045ae9e7e552
SHA256   3e83b97fd7fc54ec244c6524fe284b84cc81ed867381e988c0133129b82a068f
SHA512   cd423ccd13a6cb89b1b89a6a07ea04b8a23d15ffa6280a5c828f8db88262bb626918086f15fd573657d48bc7d1d014da66958444b6027d261e0d071
e4c59cdef
```

SSL/TLS CERTIFICATES

tls/ssl.txt

1.23 Kb

```
MD5      8bf295af7010e7eff68708c842a7d0ad
SHA1     96ece1bcd81d90828ae6dabb59fec920c911227
SHA256   5603980f4dc50cb6e151b65d456765acaf57c25795d62a7841c94d4906d8fd7a
SHA512   e475ab5c9f20c8414b773fe6824966cc7d0c0728872fe32e4f64c01a907fb8a2305ba15d26f4bd75e7ee1929e1e751d588c130ae0bf612913144d70
16e46d979
```

SSL/TLS CERTIFICATES SUMMARY

tls/ssl.txt

1.23 Kb

```
MD5      8bf295af7010e7eff68708c842a7d0ad
SHA1     96ece1bcd81d90828ae6dabb59fec920c911227
SHA256   5603980f4dc50cb6e151b65d456765acaf57c25795d62a7841c94d4906d8fd7a
SHA512   e475ab5c9f20c8414b773fe6824966cc7d0c0728872fe32e4f64c01a907fb8a2305ba15d26f4bd75e7ee1929e1e751d588c130ae0bf612913144d70
16e46d979
```

tls/certificates/example.com-ssl-ca-3.crt (Domain: example.com)

1.50 Kb

```
MD5      39e21aa4132050b0c5a2313ae18ca5dd
SHA1     4dda95d57ecfef1eba358516ce1a0da2f3bbaf9e
SHA256   24b226bca66d2fd890ea56cf56d9ddd177fd5ed57ff9f9859b073057a96a881b
SHA512   e4b392f15abcaaa1a5617bc9a4da679e07d9262bd7188fa54d0d83042d480dc276cd01e3da9282642e9c12e6aa2e12d65df0ec00aef682b4e1595f9
e6494148f
```



tls/certificates/example.com-ssl-intermediate.crt (Domain: example.com)

1.04 Kb

MD5 b27c032689060dbf3c5361b86b310190
SHA1 7e2dc14abacf58ed54e4c54a043703a252566c65
SHA256 1d3773ca403674d9cbaf899801b315ad0d3647d7ff8833e5b97c6cf67611ad78
SHA512 90694afd4251deeec4c12da5b89ed12bbf8eaf9cb6e56c1d9318e4d860d822b8a32241c1fdc9cabeab4910f93f39c30d4dfa22b8085f9bfda6a2c745cd6c641

tls/certificates/example.com-ssl-leaf.crt (Domain: example.com)

1.38 Kb

MD5 70d19fec79902481f250b70c47566a69
SHA1 7787aed80924a58242c20be5e381b633bc40f717
SHA256 3bc9242e86bff9fb2b409ad80857697ab3d6f03accac30d6cb4710d247c64559
SHA512 4f8a1d420ee4c6a108af69e608e4f897c3a19382f28a77bd879e3e81ac84437227d2efb95e78e90e89dcac24d006d5a9386ce631964d7b43f4c99838bcac6725

tls/certificates/example.com-ssl-root.crt (Domain: example.com)

1.14 Kb

MD5 d273578e45a4eb1a9900179c18bbd52b
SHA1 7135ba0c78b34fe49e5573a6c44352a013c2ce87
SHA256 6673455bb06ef4fdbbb41d6b86c8b434836448d33b957d1b3ceff0a053787dcd
SHA512 cef6049054c83962627accfe2fc2a52d50eec814ef44ea1a08d15b834db540304c9def97b2101d28d252215df61aff559f44838802061630b7469cb6698fa025

tls/certificates/example.com_162bd2cd.crt (Domain: example.com)

1.38 Kb

MD5 e0157eedddf092500cedcbcf83e1d770
SHA1 00e7636dc24e11e64c3a9af0556d3a50a4165eff
SHA256 9ea6e85373a2380b62d11ce3a855e1aeac775911b4ae27ae3b3e381243d74f2d
SHA512 ec689656c841f5d3ea2cd1a852208e6ac02ecc358c34247032409f0bfafeb2cb2f72eefdcdae81279224d9409c8192ec0dc27f0288f28a169780f8ad2f6b15745

tls/certificates/example.com_162bd2cd_chain.crt (Domain: example.com)

5.06 Kb

MD5 9f402b205b3b7cb4ab603e1f2fe80d36
SHA1 3e11f61f546cf9031a1471ce25fe3de234c7aaf4
SHA256 fc16f8f4047889a353bb46ee94e1ce34c4fd1ba57fab1621aa6a352e2caf5b95
SHA512 2433c011688c274d41c91d6283a9be577afc464fd98b80ec7b56863e1b777ecc8162e600ba7aef9e376fea92fde4a722cfa3216e28815f6130c0a6a9b517adb8

USER INTERACTIONS REPORT

reports/interactions.txt

661 Bytes

MD5 24cebb185ef4b4f2bcb6be930e1c1493
SHA1 66cf15958e4df313a75fcf02c03f55374ba5c8bf
SHA256 09be8c0194e3edb2a4b37b5ff46acf6a8fcf8f2b5fca16f486825bc783cb6a69
SHA512 21907be2c30cc6528fbb4ca414ab50ca50c57d9730a9034987edf9311efff6be222396ad3cba76a1f129161953a4fab3a507dc68b04f129e189a71a1a2a0b163d



evidence/interactions/user-interactions.json (Raw data)

2.23 Kb

MD5	e194475c51a75c0049372683fe9e4ef6
SHA1	35ad0b9913195e16cfce9b043efabc764eae9333
SHA256	a003bc08af5fffc86b5a888037829a3847a6397063707953c5e952bab4b787a6c
SHA512	50f35d0b3304ab154a0ca50dab9ce85cbba56b46dbf92cd9f977eaf37be0068fa6811ded80098c43d8275a8fcf518e8361b19dc0314c80ad368be7bf162f7bf1

WEB ARCHIVE (WACZ)

evidence/ReplayWebPage.wacz

185.86 Kb

MD5	809416dba183a6b051099d3ef1057028
SHA1	ca2f7a24c2a33c76f169ea0350abe705de12f932
SHA256	e2eae6945a263836d96affec8590aae849151988773978038463a2a35e6c5076
SHA512	b8a720df2e2115868e51b771e32245636cada9af7c7b3f722066e31738d7bb7c199a8764f9f699345390697c14ec5f52d18a0dc6d6a1e74bf776fb1a85cc846d



Acquisition Log (excerpt)

Excerpt of the chronological acquisition log. The complete `acquisition-log.txt` file (588 lines) is included in the archive.

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FORENSIC ACQUISITION LOG

Acquisition ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b
Start Time: 2026-09-28T15:18:10.623Z
System: darwin arm64
App Version: 3.3.1

LOG ENTRIES

Format: [TIMESTAMP] [RELATIVE_TIME] [CATEGORY] [ACTION] Details
Metadata displayed as JSON when present

[2026-09-28T15:18:10.623Z] [+0ms] [SYSTEM] [ACQUISITION_START] Acquisition initialized with ID: c6269c8a-fca9-46d9-ac0f-cb8ba079e57b

[2026-09-28T15:18:10.623Z] [+0ms] [SYSTEM] [ACQUISITION_INITIALIZED] Starting acquisition for URL: https://example.com/
Metadata: {
 "service": "AcquisitionService"
}

[2026-09-28T15:18:10.624Z] [+1ms] [SYSTEM] [SERVICES_INITIALIZATION] Creating acquisition services
Metadata: {
 "service": "AcquisitionService"
}

[2026-09-28T15:18:10.625Z] [+2ms] [SYSTEM] [SERVICES_CREATED] All services created successfully
Metadata: {
 "service": "AcquisitionService"
}

[2026-09-28T15:18:10.625Z] [+2ms] [SYSTEM] [SERVICES_INITIALIZING] Initializing all services
Metadata: {
 "service": "AcquisitionService"
}

[...518 lines omitted...]



```
Metadata: {
  "service": "AcquisitionService"
}

[2026-09-28T15:18:55.275Z] [+44652ms] [INTEGRITY] [FILE_HASH] Final HTML DOM snapshot - SHA-256:
5a3234114b48e03924eb5299894516bc76aed8d9fb14c31100c6a1e85ddf93ce
Metadata: {
  "file": "dom-snapshot.html",
  "path": "resources/site-structure/example.com/dom-snapshot.html",
  "bag_path": "resources/site-structure/example.com/dom-snapshot.html",
  "size": 755,
  "sha256": "5a3234114b48e03924eb5299894516bc76aed8d9fb14c31100c6a1e85ddf93ce",
  "hashTimestamp": "2026-09-28T15:18:55.275Z"
}

[2026-09-28T15:18:55.789Z] [+45166ms] [INTEGRITY] [FILE_HASH] WACZ archive - SHA-256:
e2eae6945a263836d96affec8590aae849151988773978038463a2a35e6c5076
Metadata: {
  "file": "ReplayWebPage.wacz",
  "path": "ReplayWebPage.wacz",
  "bag_path": "evidence/ReplayWebPage.wacz",
  "size": 190322,
  "sha256": "e2eae6945a263836d96affec8590aae849151988773978038463a2a35e6c5076",
  "hashTimestamp": "2026-09-28T15:18:55.789Z"
}

[2026-09-28T15:18:55.789Z] [+45166ms] [SYSTEM] [PHASE_6_START] Generating final report
Metadata: {
  "service": "AcquisitionService"
}
```

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