



Minor Project

Website: Instagram (<https://www.instagram.com/>)

Registrant	REDACTED FOR PRIVACY (DT)	
Registrant Org	Instagram LLC	
Registrant Country	US	
Registrar	RegistrarSafe, LLC IANA ID: 3237 URL: https://www.registrarsafe.com , http://www.registrarsafe.com Whois Server: whois.registrarsafe.com abusecomplaints@registrarsafe.com (p) 16503087004	
Registrar Status	clientDeleteProhibited, clientTransferProhibited, clientUpdateProhibited, serverDeleteProhibited, serverTransferProhibited, serverUpdateProhibited	
Dates	5,984 days old Created on 2004-06-04 Expires on 2027-06-04 Updated on 2018-03-01	—
Name Servers	NS-1349.AWSDNS-40.ORG (has 34,242 domains) NS-2016.AWSDNS-60.CO.UK (has 404 domains) NS-384.AWSDNS-48.COM (has 6,066 domains) NS-868.AWSDNS-44.NET (has 219 domains)	
IP Address	157.240.3.174 - 7 other sites hosted on this server	—
IP Location	 - Washington - Seattle - Facebook Inc.	
ASN	 AS32934 FACEBOOK, US (registered Aug 24, 2004)	
Domain Status	Registered And Active Website	
IP History	390 changes on 390 unique IP addresses over 16 years	—
Registrar History	7 registrars with 1 drop	—
Hosting History	11 changes on 9 unique name servers over 16 years	—
Website Title	None given.	—
Response Code	349	


Whois Record (last updated on 2020-10-22)

Domain Name: instagram.com
Registry Domain ID: 121748357_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.registrarsafe.com
Registrar URL: https://www.registrarsafe.com
http://www.registrarsafe.com
Updated Date: 2018-03-01T19:43:29+00:00
2018-03-01
Creation Date: 2004-06-04T13:37:18+00:00
2004-06-04
Registrar Registration Expiration Date: 2027-06-04T13:37:18+00:00
2027-06-04
Registrar: RegistrarSafe, LLC
Sponsoring Registrar IANA ID: 3237
Registrar Abuse Contact Email: abusecomplaints@registrarsafe.com
Registrar Abuse Contact Phone: 16503087004
Status:
clientDeleteProhibited
clientTransferProhibited
clientUpdateProhibited
serverDeleteProhibited
serverTransferProhibited
serverUpdateProhibited
Registry Registrant ID:
Registrant Name: REDACTED FOR PRIVACY (DT)
Registrant Organization: Instagram LLC
Registrant Street: 1601 Willow Rd
Registrant City: Menlo Park
Registrant State/Province: CA
Registrant Postal Code: 94025
Registrant Country: us
Registrant Phone: 16505434800
Nameservers:
ns-1349.awsdns-40.org
ns-2016.awsdns-60.co.uk
ns-384.awsdns-48.com
ns-868.awsdns-44.net

Technology lookup

Find out what websites are built with


Instantly reveal the technology stack and contact details of any website, such as ecommerce platform, content management system or marketing automation tools.


 **Lookup**


Credit balance: 48 [Buy credits](#)


Price per lookup: 1 credit. Get 50 credits per month on a free plan.


Technologies (9)


 [Facebook](#)


 [Facebook Sign-in](#)


 [jQuery](#)


 [HTTP/2](#)

 [Cart Functionality](#)

 [React](#)

 [Django](#)

 [Python](#)

 [Google Font API](#)

No meta data available at this time.



Technologies Used are:

- Facebook
- Facebook Sign-in
- jQuery
- HTTP/2
- Cart Functionality
- React
- Django
- Python
- Google Font API

Netcraft

Background

Site title	Instagram
Site rank	23
Description	Create an account or log in to Instagram - A simple, fun & creative way to capture, edit & share photos, videos & messages with friends & family.
Date first seen	June 2014
Netcraft Risk Rating	Not Present
Primary language	Norwegian

Network

Site	https://www.instagram.com
Netblock Owner	Facebook, Inc.
Hosting company	Facebook
Hosting country	US
IPv4 address	157.240.221.174 (VirusTotal)
IPv4 autonomous systems	AS32934
IPv6 address	2a03:2880:f258:e0:face:b00c:0:4420
IPv6 autonomous systems	AS32934
Reverse DNS	instagram-p42-shv-01-lhr8.fbcdn.net

Domain	instagram.com
Nameserver	ns-384.awsdns-48.com
Domain registrar	registrarsafe.com
Nameserver organisation	whois.markmonitor.com
Organisation	Instagram LLC, 1601 Willow Rd, Menlo Park, 94025, United States
DNS admin	awsdns-hostmaster@amazon.com
Top Level Domain	Commercial entities (.com)
DNS Security Extensions	unknown
Latest Performance	Performance Graph

IP delegation

IPv4 address (157.240.221.174)

IP range	Country	Name	Description
0.0.0.0-255.255.255.255	N/A	IANA-BLK	The whole IPv4 address space
↳ 157.0.0.0-157.255.255.255	United States	NET157	Various Registries (Maintained by ARIN)
↳ 157.240.0.0-157.240.255.255	United States	THEFA-3	Facebook, Inc.
↳ 157.240.221.174	United States	THEFA-3	Facebook, Inc.

IPv6 address (2a03:2880:f258:e0:face:b00c:0:4420)

IP range	Country	Name	Description
::/0	N/A	ROOT	Root inet6num object
↳ 2a00::/11	European Union	EU-ZZ-2A00	RIPE NCC
↳ 2a00::/12	Netherlands	EU-ZZ-2A00	RIPE Network Coordination Centre
↳ 2a03:2880::/29	Ireland	IE-FACEBOOK-201100822	Facebook Ireland Ltd
↳ 2a03:2880:f258:e0:face:b00c:0:4420	Ireland	IE-FACEBOOK-201100822	Facebook Ireland Ltd

SSL/TLS

State	California
Country	US
Validity period	From Oct 10 2020 to Jan 8 2021 (2 months, 4 weeks, 1 day)
Public key algorithm	rsaEncryption
Public key length	2048
Signature algorithm	sha256WithRSAEncryption
Serial number	0x08bdd3709afcb936c919790d6b96d1dc
Cipher	TLS_CHACHA20_POLY1305_SHA256
Version number	0x02

Supported TLS Extensions	RFC8446 supported versions, RFC8446 key share, RFC7301 application-layer protocol negotiation
Application-Layer Protocol Negotiation	h2
Next Protocol Negotiation	Not Present
Issuing organisation	DigiCert Inc
Issuer common name	DigiCert SHA2 High Assurance Server CA
Issuer unit	www.digicert.com
Issuer location	Not Present
Issuer country	US
Issuer state	Not Present
Certificate Revocation Lists	http://crl3.digicert.com/sha2-ha-server-g6.crl http://crl4.digicert.com/sha2-ha-server-g6.crl
Certificate Hash	VDsDTao5q/U1FiINCvToY4KqZ5Y
Public Key Hash	1b61cfcb04f045161f530c4d65e3eeae17ca86d b54e184efe9b8c23005dfc5d
OCSP servers	http://ocsp.digicert.com - 100% uptime in the past 24 hours
OCSP stapling response	No response received

Certificate Transparency

Signed Certificate Timestamps (SCTs)

Source	Log
--------	-----

Certificate	Google Argon 2021 91yUL9F3MCIUVBgIMJRWjuNNEzkzv98MLyALzE7xZOM=
Certificate	DigiCert Yeti 2021 XNxDkv7mq0VEsV6a1FbmEDf71fpH3KFz1LJe5vbHDso=

SSLv3/POODLE

This site does not support the SSL version 3 protocol.

[More information about SSL version 3 and the POODLE vulnerability.](#)

Heartbleed

The site offered the Heartbeat TLS extension prior to the Heartbleed disclosure, but is using a new certificate and no longer offers Heartbeat.

This test does not exploit the Heartbleed vulnerability but uses information from conventional HTTPS requests. [More information about Heartbleed detection.](#)

SSL Certificate Chain
Hosting History

Netblock owner	IP address	OS	Web server	Last seen
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.221.174	Linux	unknown	1-Oct-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.1.174	Linux	unknown	15-Sep-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.221.174	Linux	unknown	8-Sep-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.1.174	Linux	unknown	24-Aug-2020

Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.221.174	Linux	unknown	16-Aug-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.1.174	Linux	unknown	27-Jul-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.221.174	Linux	unknown	20-Jul-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.1.174	Linux	unknown	6-Jun-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.221.174	Linux	unknown	3-Jun-2020
Facebook, Inc. 1601 Willow Rd. Menlo Park CA US 94025	157.240.1.174	Linux	unknown	20-May-2020

Sender Policy Framework

A host's Sender Policy Framework (SPF) describes who can send mail on its behalf. This is done by publishing an SPF record containing a series of [rules](#). Each rule consists of a qualifier followed by a specification of which domains to apply this qualifier to. For more information please see open-spf.org.

Warning: It appears that this host does not have an SPF record. There may be an SPF record on instagram.com: Check the [site report](#).

Setting up an SPF record helps prevent the delivery of forged emails from your domain. Please note that an SPF record will only protect the domain it is added to and not any [mail-enabled subdomains](#). It is recommended to add an SPF record to any subdomain with an MX record.

DMARC

DMARC (Domain-based Message Authentication, Reporting and Conformance) is a mechanism for domain owners to indicate how mail purporting to originate from their domain should be authenticated. It builds on SPF and DKIM, providing a method to set policy and to give reporting of failures. For more information please see dmarc.org.

This host does not have a DMARC record. There may be a DMARC record on the site report for instagram.com: Check the [site report](#).

Web Trackers

Web Trackers are third-party resources loaded onto a webpage. Trackable resources include social sharing widgets, javascript files, and images. These trackers can be used to monitor individual user behaviour across the web. Data derived from these trackers are primarily used for advertising or analytics purposes.

1 known tracker was identified.

Companies

- Facebook (1)

Categories

- Widget (1)

Company	Primary Category	Tracker	Popular Sites with this Tracker
Facebook	Widget	Instagram	www.movistar.es , www.rtl-theme.com , www.klatsch-tratsch.de

Site Technology (fetched 11 days ago)

- Server-Side

Includes all the main technologies that Netcraft detects as running on the server such as PHP.

Technology	Description
SSL	A cryptographic protocol providing communication security over the Internet

- Client-Side

Includes all the main technologies that run on the browser (such as JavaScript and Adobe Flash).

Technology	Description
Asynchronous Javascript	<i>No description</i>
JavaScript	Widely-supported programming language commonly used to power client-side dynamic content on websites

- **Character Encoding**

A character encoding system consists of a code that pairs each character from a given repertoire with something else such as a bit pattern, sequence of natural numbers, octets, or electrical pulses in order to facilitate the transmission of data (generally numbers or text) through telecommunication networks or for data storage.

Technology	Description	Popular sites using this technology
UTF8	UCS Transformation Format 8 bit	googleads.g.doubleclick.net

- **HTTP Compression**


HTTP compression is a capability that can be built into web servers and web clients to make better use of available bandwidth, and provide greater transmission speeds between both.

Technology	Description	Popular sites using this technology
Gzip Content Encoding	Gzip HTTP Compression protocol	www.kinopoisk.ru , www.tsetmc.com , www.kali.org

- **Web Browser Targeting**

Technology	Description
Document Compatibility Mode	A meta-tag used in Internet Explorer 8 to enable compatibility mode
X-Content-Type-Options	Browser MIME type sniffing is disabled
Strict Transport Security	Web security policy mechanism whereby a web server declares that compliant user agents are to interact with it using only secure HTTP connections
X-XSS-Protection Disabled	Cross-site scripting protection is disabled
X-Frame-Options Same Origin	Do not allow this site to be rendered within an iframe
Content Security Policy Report	Detect, mitigate and report attacks in the browser
Content Security Policy	Detect and mitigate attacks in the browser

Qualys SSL LAB Test

 **Qualys** SSL Labs

HomeProjectsQualys Free TrialContact

You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [www.instagram.com](#)

SSL Report: www.instagram.com

Assessed on: Wed, 21 Oct 2020 16:07:55 UTC | **HIDDEN** | [Clear cache](#)

[Scan Another >>](#)

	Server	Test time	Grade
1	2a03:2880:f227:2e5:face:b00c:0:4420 instagram-p426-shv-02-ort2.fbcdn.net Ready	Wed, 21 Oct 2020 16:03:44 UTC Duration: 123.600 sec	B
2	157.240.18.174 instagram-p42-shv-02-ort2.fbcdn.net Ready	Wed, 21 Oct 2020 16:05:47 UTC Duration: 127.926 sec	B

SSL Report v2.1.8

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Instagram ping & Nmap results in Kali Linux Terminals

```
root@thor: ~# ping www.instagram.com
PING z-p42-instagram.c10r.facebook.com (157.240.198.174) 56(84) bytes of data.
64 bytes from instagram-p42-shv-01-del1.fbcdn.net (157.240.198.174): icmp_seq=1 ttl=128 time=15.5 ms
^C
--- z-p42-instagram.c10r.facebook.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 15.598/15.598/15.598/0.000 ms
root@thor: ~# nmap -sV 157.240.198.174
Starting Nmap 7.70 ( https://nmap.org ) at 2020-10-22 18:57 IST
Nmap scan report for instagram-p42-shv-01-del1.fbcdn.net (157.240.198.174)
Host is up (0.0036s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE      VERSION
80/tcp    open  tcpwrapped
443/tcp    open  tcpwrapped

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 17.53 seconds
root@thor: ~#
```

NETWORK WhoisRecord

Queried whois.ripe.net with "-B 31.13.93.174"...

% Information related to '31.13.64.0 - 31.13.127.255'

% Abuse contact for '31.13.64.0 - 31.13.127.255' is 'domain@fb.com'

```
inetnum:      31.13.64.0 - 31.13.127.255
netname:      IE-FACEBOOK-20110418
country:      IE
org:          ORG-FIL7-RIPE
admin-c:      RD4299-RIPE
tech-c:       RD4299-RIPE
status:       ALLOCATED PA
mnt-by:       RIPE-NCC-HM-MNT
mnt-by:       fb-neteng
mnt-routes:   fb-neteng
notify:       neteng@fb.com
created:      2011-04-18T12:00:34Z
last-modified: 2019-02-19T23:15:54Z
source:       RIPE
organisation: ORG-FIL7-RIPE
org-name:     Facebook Ireland Ltd
org-type:     LIR
address:      4 GRAND CANAL SQUARE , GRAND CANAL HARBOUR ,
address:      D2
address:      Dublin
address:      IRELAND
phone:        +0016505434800
fax-no:       +0016505435325
e-mail:       domain@fb.com
admin-c:      PH4972-RIPE
mnt-ref:      RIPE-NCC-HM-MNT
mnt-ref:      fb-neteng
mnt-by:       RIPE-NCC-HM-MNT
mnt-by:       fb-neteng
abuse-c:      RD4299-RIPE
created:      2011-04-07T13:16:29Z
last-modified: 2019-02-19T23:15:55Z
source:       RIPE
role:         RIPE DBM
address:      1601 Willow Rd.
address:      Menlo Park, CA, 94025
e-mail:       noc@fb.com
admin-c:      PH4972-RIPE
tech-c:       PH4972-RIPE
nic-hdl:      RD4299-RIPE
mnt-by:       fb-neteng
created:      2011-04-11T18:49:50Z
last-modified: 2013-08-14T15:49:58Z
source:       RIPE
abuse-mailbox: domain@fb.com
```

% This query was served by the RIPE Database Query Service version 1.98 (HEREFORD)

Tracing route to www.instagram.com [31.13.93.174] ...

Hop	rtt	rtt	rtt	ip address	fully qualified domain name
1	1	1	1	169.254.158.58	
2	1	1	1	169.48.118.160	ae103.ppr03.dal13.networklayer.com
3	2	0	0	169.48.118.132	84.76.30a9.ip4.static.sl-reverse.com
4	*	*	6	169.45.18.90	ae16.cbs02.eq01.dal03.networklayer.com
5	2	1	1	50.97.17.59	ae34.bbr02.eq01.dal03.networklayer.com
6	1	5	2	50.97.16.169	a9.10.6132.ip4.static.sl-reverse.com
7	1	1	1	157.240.40.253	po101.psw01.dfw5.tfbnw.net
8	1	1	1	157.240.39.63	
9	1	1	1	31.13.93.174	instagram-p42-shv-02-dfw5.fbcdn.net

Trace complete

Service scan

FTP - 21 Error: TimedOut

SMTP - 25 Error: TimedOut

HTTP - 80 HTTP/1.1 301 Moved Permanently
Location: <https://www.instagram.com/>
Content-Type: text/plain
Server: proxygen-bolt
X-FB-TRIP-ID: 1679558926
Alt-Svc: h3-29=":443"; ma=3600,h3-27=":443"; ma=3600
Date: Thu, 22 Oct 2020 11:58:48 GMT
Connection: close
Content-Length: 0

POP3 - 110 Error: TimedOut

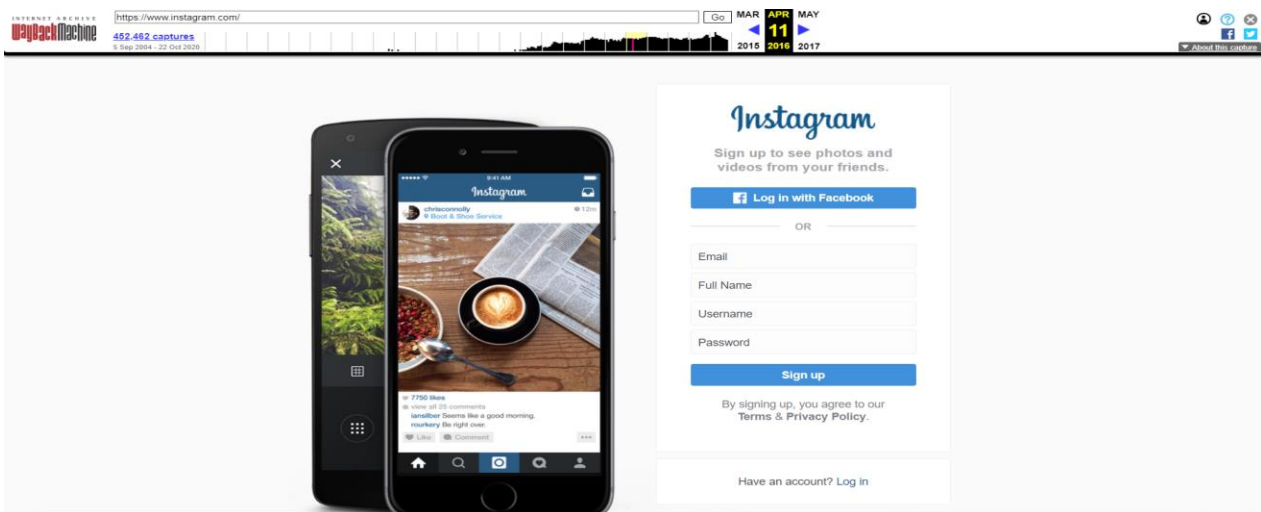
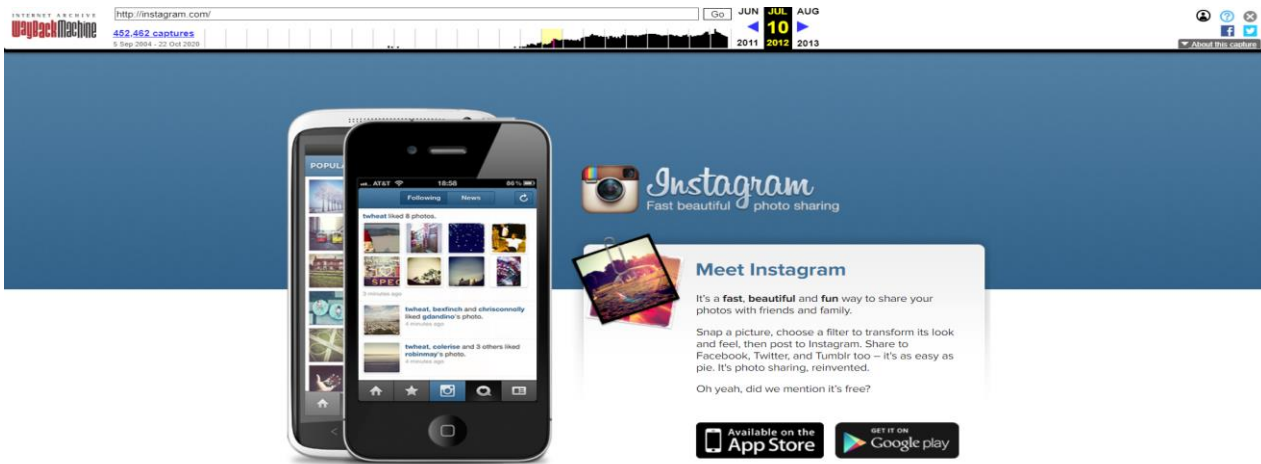
IMAP - 143 Error: TimedOut

HTTPS - 443 Certificate validation errors: None
Signature algorithm: sha256RSA
Public key size: 2048 bits
Issuer: CN=DigiCert SHA2 High Assurance Server CA, OU=www.digicert.com, O=DigiCert Inc, C=US
Subject: CN=*.www.instagram.com, O="Facebook, Inc.", L=Menlo Park, S=California, C=US
Subject Alternative Name: DNS Name=*.www.instagram.com, DNS Name=www.instagram.com
Serial number: 08BDD3709AFCB936C919790D6B96D1DC
Not valid before: 2020-10-10 00:00:00Z
Not valid after: 2021-01-08 12:00:00Z
SHA1 fingerprint: E83280132E959894DE78C5C029006F6E9EE3EAF6

HTTP/1.1 200 OK
Content-Type: text/html; charset=utf-8
Vary: Cookie, Accept-Language, Accept-Encoding
Content-Language: en
Date: Thu, 22 Oct 2020 11:58:52 GMT
Strict-Transport-Security: max-age=31536000
Cache-Control: private, no-cache, no-store, must-revalidate
Pragma: no-cache
Expires: Sat, 01 Jan 2000 00:00:00 GMT
X-Frame-Options: SAMEORIGIN
content-security-policy: report-uri
https://www.instagram.com/security/csp_report/; default-src 'self'
https://www.instagram.com; img-src data: blob: https://*.fbcdn.net
https://*.instagram.com https://*.cdninstagram.com https://*.facebook.com
https://*.giphy.com; font-src data: https://*.fbcdn.net
https://*.instagram.com https://*.cdninstagram.com; media-src 'self' blob:
https://www.instagram.com https://*.cdninstagram.com https://*.fbcdn.net;
manifest-src 'self' https://www.instagram.com; script-src 'self'
https://instagram.com https://www.instagram.com https://*.www.instagram.com
https://*.cdninstagram.com wss://www.instagram.com https://*.facebook.com
https://*.fbcdn.net https://*.facebook.net 'unsafe-inline' 'unsafe-eval'
blob:; style-src 'self' https://*.www.instagram.com
https://www.instagram.com 'unsafe-inline'; connect-src 'self'
https://instagram.com https://www.instagram.com https://*.www.instagram.com

https://graph.instagram.com https://*.graph.instagram.com
https://*.cdninstagram.com https://api.instagram.com https://i.instagram.com
wss://www.instagram.com wss://edge-chat.instagram.com https://*.facebook.com
https://*.fbcdn.net https://*.facebook.net chrome-
extension://boadgeojelhgndaghljhdicfkmllpafd blob;; worker-src 'self' blob:
https://www.instagram.com; frame-src 'self' https://instagram.com
https://www.instagram.com https://staticxx.facebook.com
https://www.facebook.com https://web.facebook.com
https://connect.facebook.net https://m.facebook.com; object-src 'none';
upgrade-insecure-requests
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
x-aed: 24
Access-Control-Expose-Headers: X-IG-Set-WWW-Claim
Set-Cookie: sessionid=""; Domain=instagram.com; expires=Thu, 01-Jan-1970
00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; Domain=.instagram.com; expires=Thu, 01-Jan-1970
00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; Domain=i.instagram.com; expires=Thu, 01-Jan-1970
00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; Domain=.i.instagram.com; expires=Thu, 01-Jan-1970
00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; Domain=www.instagram.com; expires=Thu, 01-Jan-1970
00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; Domain=.www.instagram.com; expires=Thu, 01-Jan-
1970 00:00:00 GMT; Max-Age=0; Path=/
Set-Cookie: sessionid=""; expires=Thu, 01-Jan-1970 00:00:00 GMT; Max-Age=0;
Path=/
Set-Cookie: ig_did=FCE3EBF8-0BBB-4CAC-ABE8-0A2B3F552226;
Domain=.instagram.com; expires=Sat, 22-Oct-2022 11:58:52 GMT; HttpOnly; Max-
Age=63072000; Path=/; Secure
Set-Cookie: csrftoken=GTlWMQNbyeXy9ITRt1xs6dbLHZLcUAgt;
Domain=.instagram.com; expires=Thu, 21-Oct-2021 11:58:52 GMT; Max-
Age=31449600; Path=/; Secure
Set-Cookie: mid=X5Fz_AAEAAHtM8EygGczQI4mVBDq; Domain=.instagram.com;
expires=Sat, 22-Oct-2022 11:58:52 GMT; Max-Age=63072000; Path=/; Secure
Set-Cookie: ig_nrcb=1; Domain=.instagram.com; expires=Fri, 22-Oct-2021
11:58:52 GMT; Max-Age=31536000; Path=/; Secure
X-FB-TRIP-ID: 1679558926
Alt-Svc: h3-29=":443"; ma=3600,h3-27=":443"; ma=3600
Connection: close
Content-Length: 45079

Screenshots of Instagram Homepage In recent few years



Contact Information

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Batch:	Cybersecurity Sep-Oct 2020

Project Abstract

This report includes Passive info gathering and active information gathering on Instagram.

- Its IP address, name servers, etc. is copied from Whois.domaintools.com.
- Technology tools copied from WAPPALYZER
- Network, IP, SSL/TLS, Certificate, Heartbleed information from NETCRAFT
- Qualys SSL LAB Test
- Ping & nmap results in Kali Linux Terminal
- Network WhoisRecord, Traceroute, Port Service Scan
- Screenshots of previous and latest homepages of Instagram
- The MALTEGO Graph of Instagram file is attached in mail.