MAJOR PROJECT REPORT

Bug Bounty Reconnaissance Assignment

Company: Airbnb

Student Details :

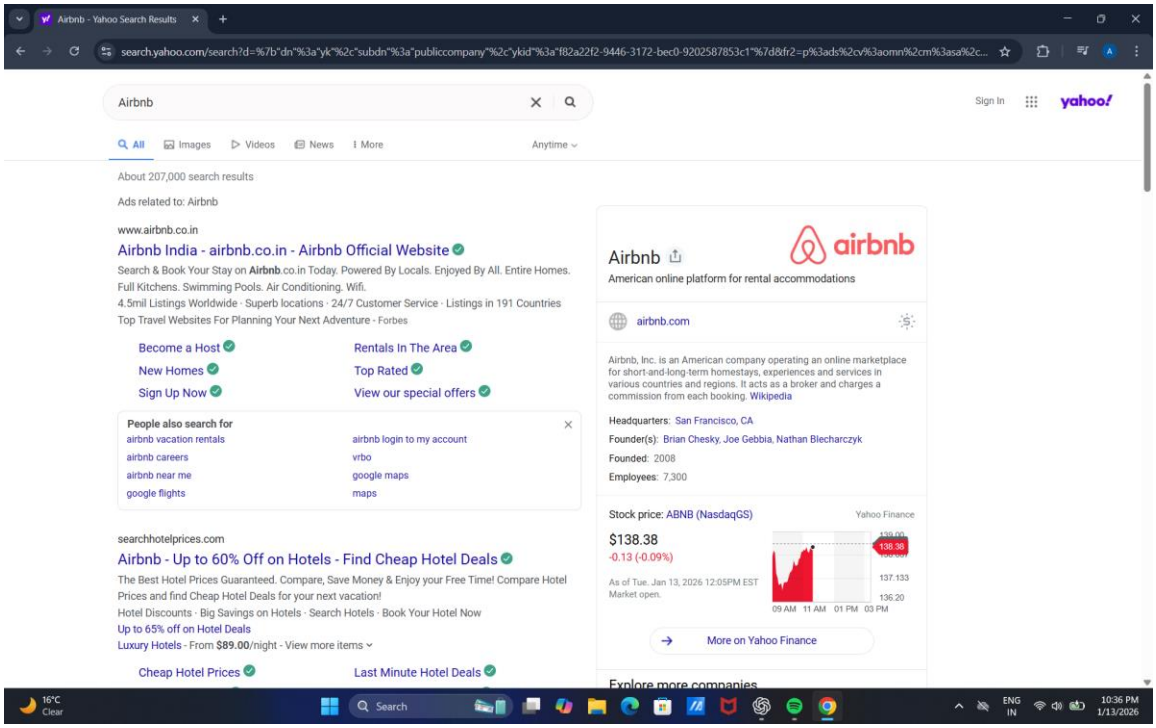
Name: Ayush Tiwari (6606631)

Branch: B.Tech (CSE – Cyber Security)

University: CSVTU

1. Company Overview & Main Domain Identification

Airbnb is a globally recognized online marketplace that connects people who want to rent out their homes with people looking for accommodations. Through reconnaissance, the official main domain of Airbnb was identified as https://www.airbnb.com. This domain represents the primary production website of the organization.


Airbnb - Yahoo Search Results
search.yahoo.com/search?d=%7b"dn"%3a"yk"%2c"subdn"%3a"publiccompany"%2c"ykid"%3a"f82a22f2-9446-3172-bec0-9202587853c1"%7d&fr2=p%3ads%2cv%3aomn%2cm%3asa%2c...
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Ads related to: Airbnb
www.airbnb.co.in
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Search & Book Your Stay on Airbnb.co.in Today. Powered By Locals. Enjoyed By All. Entire Homes. Full Kitchens. Swimming Pools. Air Conditioning. Wifi.
4.5mil Listings Worldwide · Superb locations · 24/7 Customer Service · Listings in 191 Countries
Top Travel Websites For Planning Your Next Adventure - Forbes
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Rentals In The Area
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View our special offers
People also search for
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airbnb login to my account
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Airbnb - Up to 60% Off on Hotels - Find Cheap Hotel Deals
The Best Hotel Prices Guaranteed. Compare, Save Money & Enjoy your Free Time! Compare Hotel Prices and find Cheap Hotel Deals for your next vacation!
Hotel Discounts · Big Savings on Hotels · Search Hotels · Book Your Hotel Now
Up to 65% off on Hotel Deals
Luxury Hotels - From $89.00/night - View more items
Cheap Hotel Prices
Last Minute Hotel Deals
Airbnb
airbnb
American online platform for rental accommodations
airbnb.com
Airbnb, Inc. is an American company operating an online marketplace for short-and-long-term homestays, experiences and services in various countries and regions. It acts as a broker and charges a commission from each booking. Wikipedia
Headquarters: San Francisco, CA
Founder(s): Brian Chesky, Joe Gebbia, Nathan Blecharczyk
Founded: 2008
Employees: 7,300
Stock price: ABNB (NasdaqGS)
Yahoo Finance
$138.38
-0.13 (-0.09%)
As of Tue, Jan 13, 2026 12:05PM EST
Market open.
138.38
137.133
136.20
09 AM
11 AM
01 PM
03 PM
More on Yahoo Finance
Explore more companies
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Search
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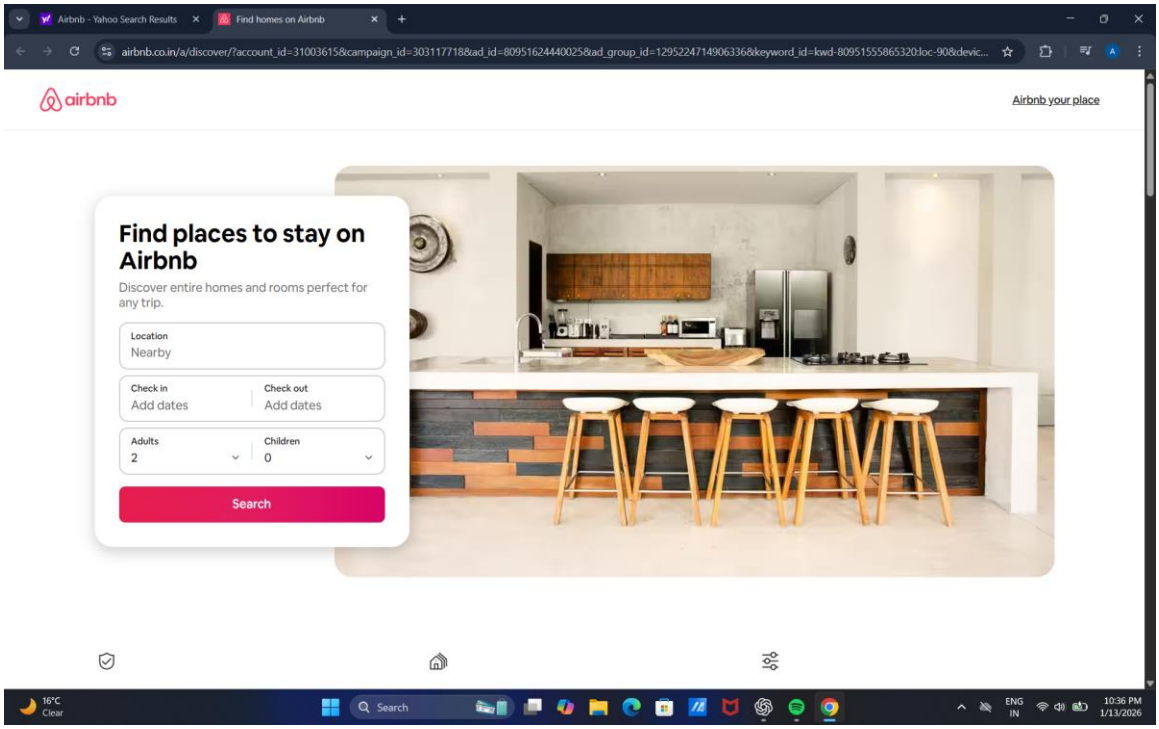
10:36 PM
1/13/2026


Airbnb - Yahoo Search Results
Find homes on Airbnb
airbnb.co.in/a/discover/?account_id=31003615&campaign_id=303117718&ad_id=809516244400258ad_group_id=1295224714906336&keyword_id=kwd-809515558653208loc-908&devic...
airbnb
Airbnb your place
Find places to stay on Airbnb
Discover entire homes and rooms perfect for any trip.
Location
Nearby
Check in
Add dates
Check out
Add dates
Adults
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Children
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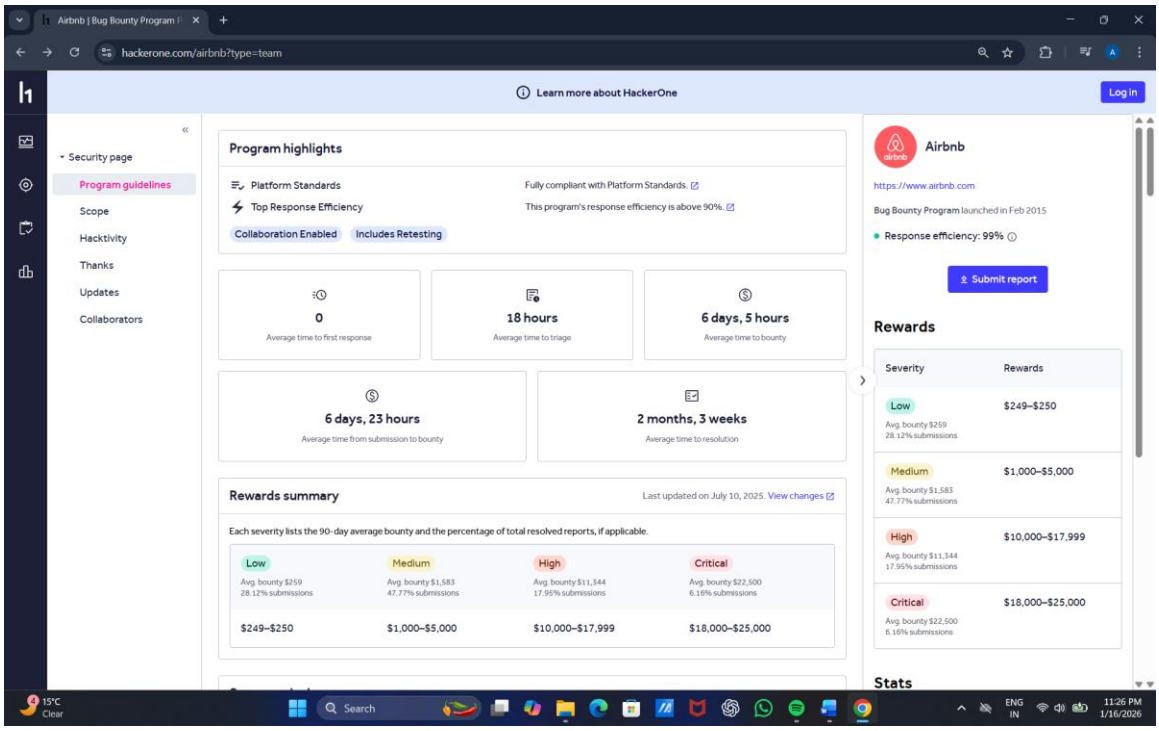
1/13/2026

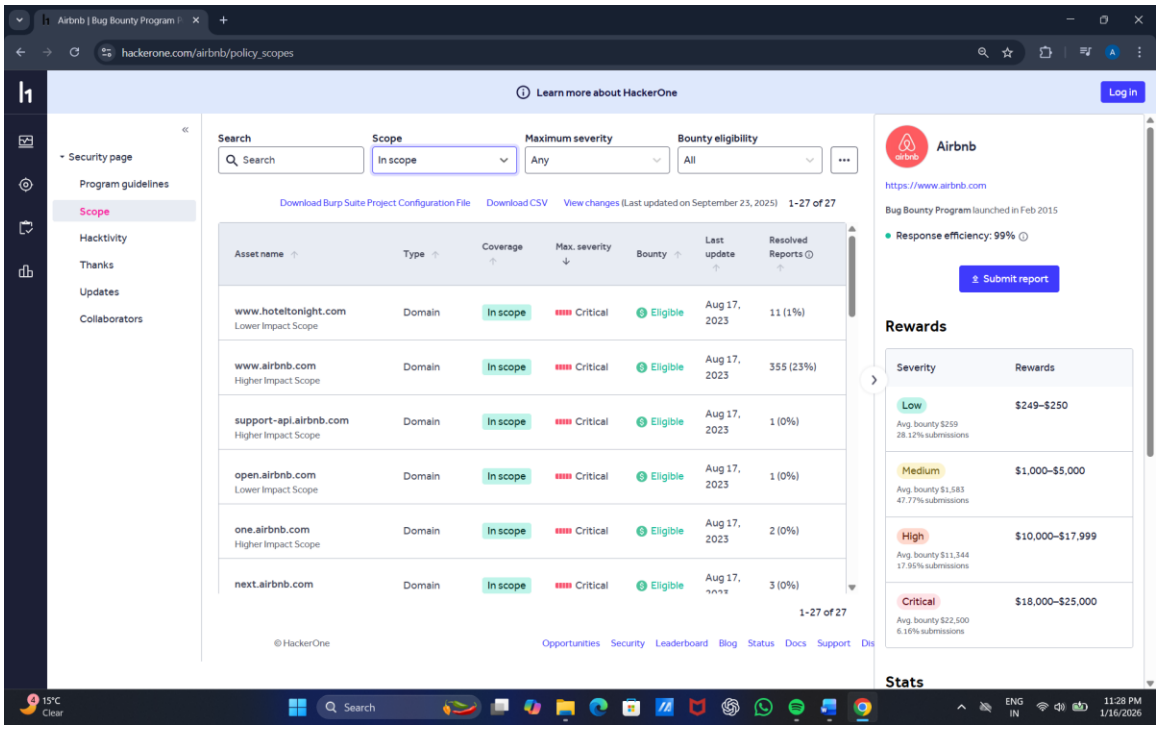
2. Bug Bounty / Vulnerability Disclosure Program

Airbnb runs an official bug bounty program hosted on the HackerOne platform. The program encourages security researchers to responsibly disclose vulnerabilities. The policy clearly defines rules, scope, and reward eligibility.



3. Bug Bounty Scope (In-Scope & Out-of-Scope)

The bug bounty scope defines assets eligible for testing. In-scope assets include specific Airbnb-owned domains and applications, while third-party services and social engineering attacks are out of scope.


Airbnb | Bug Bounty Program
hackerone.com/airbnb/policy_scopes
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Program guidelines
Scope
Hacktivity
Thanks
Updates
Collaborators
Search
Scope
In scope
Maximum severity
Any
Bounty eligibility
All
Download Burp Suite Project Configuration File
Download CSV
View changes (Last updated on September 23, 2025)
1-27 of 27
Asset name
Type
Coverage
Max. severity
Bounty
Last update
Resolved Reports
www.hoteltonight.com
Lower Impact Scope
Domain
In scope
Critical
Eligible
Aug 17, 2023
11 (1%)
www.airbnb.com
Higher Impact Scope
Domain
In scope
Critical
Eligible
Aug 17, 2023
355 (23%)
support-api.airbnb.com
Higher Impact Scope
Domain
In scope
Critical
Eligible
Aug 17, 2023
1 (0%)
open.airbnb.com
Lower Impact Scope
Domain
In scope
Critical
Eligible
Aug 17, 2023
1 (0%)
one.airbnb.com
Higher Impact Scope
Domain
In scope
Critical
Eligible
Aug 17, 2023
2 (0%)
next.airbnb.com
Domain
In scope
Critical
Eligible
Aug 17,
3 (0%)
1-27 of 27
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Opportunities
Security
Leaderboard
Blog
Status
Docs
Support
Airbnb
https://www.airbnb.com
Bug Bounty Program launched in Feb 2015
Response efficiency: 99%
Submit report
Rewards
Severity
Rewards
Low
$249–$250
Avg. bounty $259
28.12% submissions
Medium
$1,000–$5,000
Avg. bounty $1,583
47.77% submissions
High
$10,000–$17,999
Avg. bounty $11,344
17.95% submissions
Critical
$18,000–$25,000
Avg. bounty $22,500
6.16% submissions
Stats
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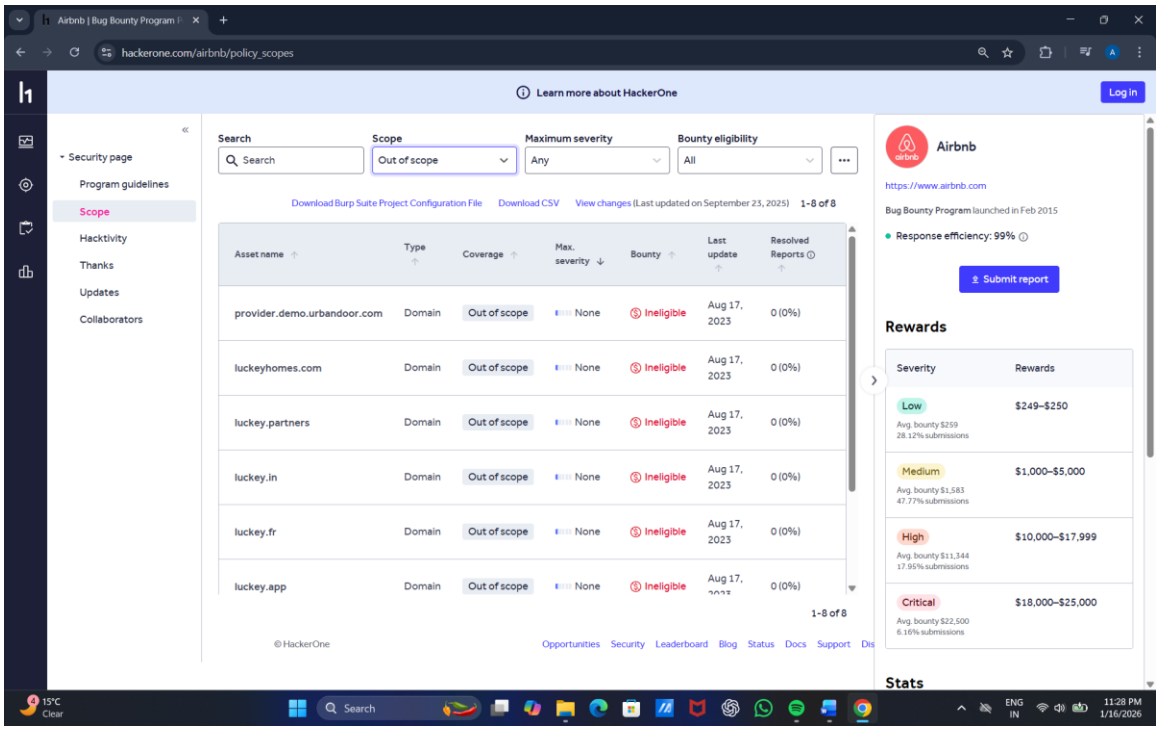
11:28 PM
1/16/2026


Airbnb | Bug Bounty Program
hackerone.com/airbnb/policy_scopes
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Hacktivity
Thanks
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Search
Scope
Out of scope
Maximum severity
Any
Bounty eligibility
All
Download Burp Suite Project Configuration File
Download CSV
View changes (Last updated on September 23, 2025)
1-8 of 8
Asset name
Type
Coverage
Max. severity
Bounty
Last update
Resolved Reports
provider.demo.urbandoor.com
Domain
Out of scope
None
Ineligible
Aug 17, 2023
0 (0%)
luckeyhomes.com
Domain
Out of scope
None
Ineligible
Aug 17, 2023
0 (0%)
luckey.partners
Domain
Out of scope
None
Ineligible
Aug 17, 2023
0 (0%)
luckey.in
Domain
Out of scope
None
Ineligible
Aug 17, 2023
0 (0%)
luckey.fr
Domain
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None
Ineligible
Aug 17, 2023
0 (0%)
luckey.app
Domain
Out of scope
None
Ineligible
Aug 17,
0 (0%)
1-8 of 8
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https://www.airbnb.com
Bug Bounty Program launched in Feb 2015
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Critical
$18,000–$25,000
Avg. bounty $22,500
6.16% submissions
Stats
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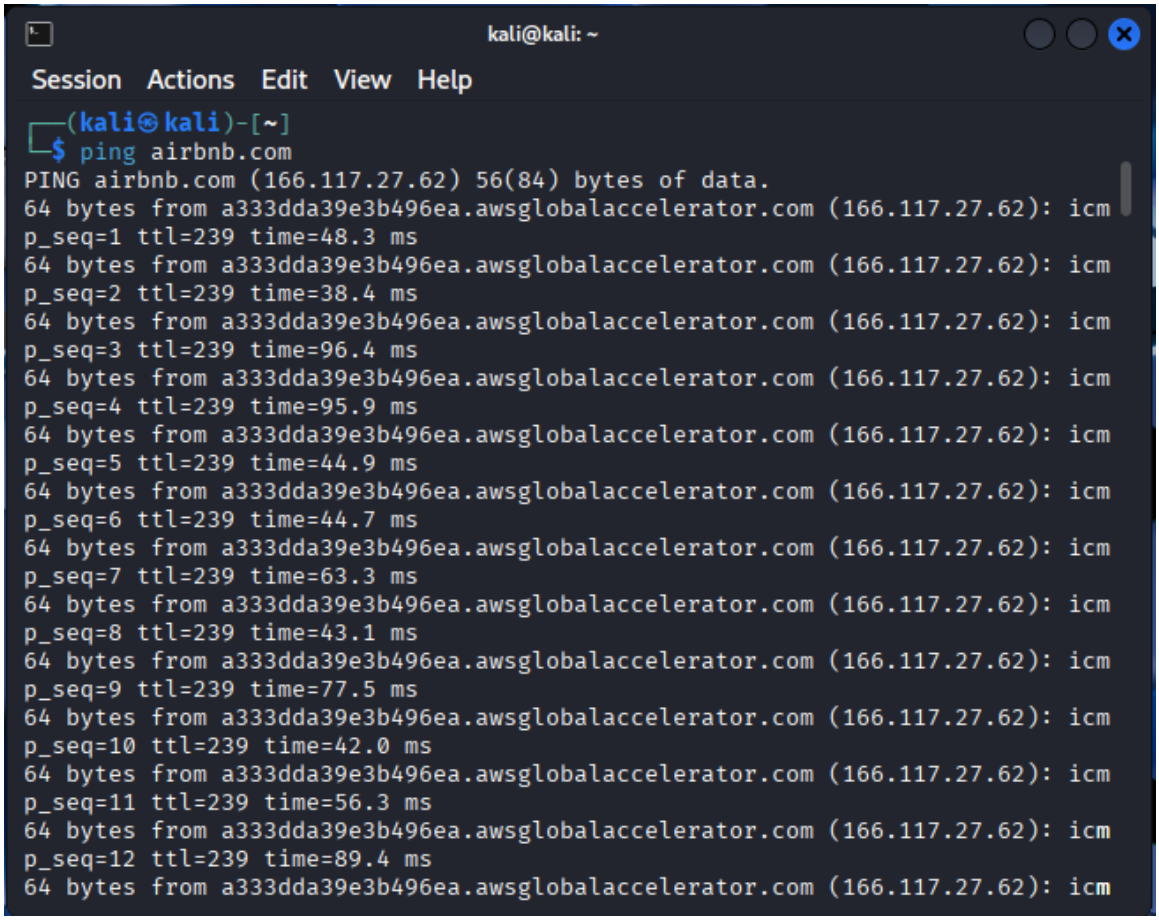
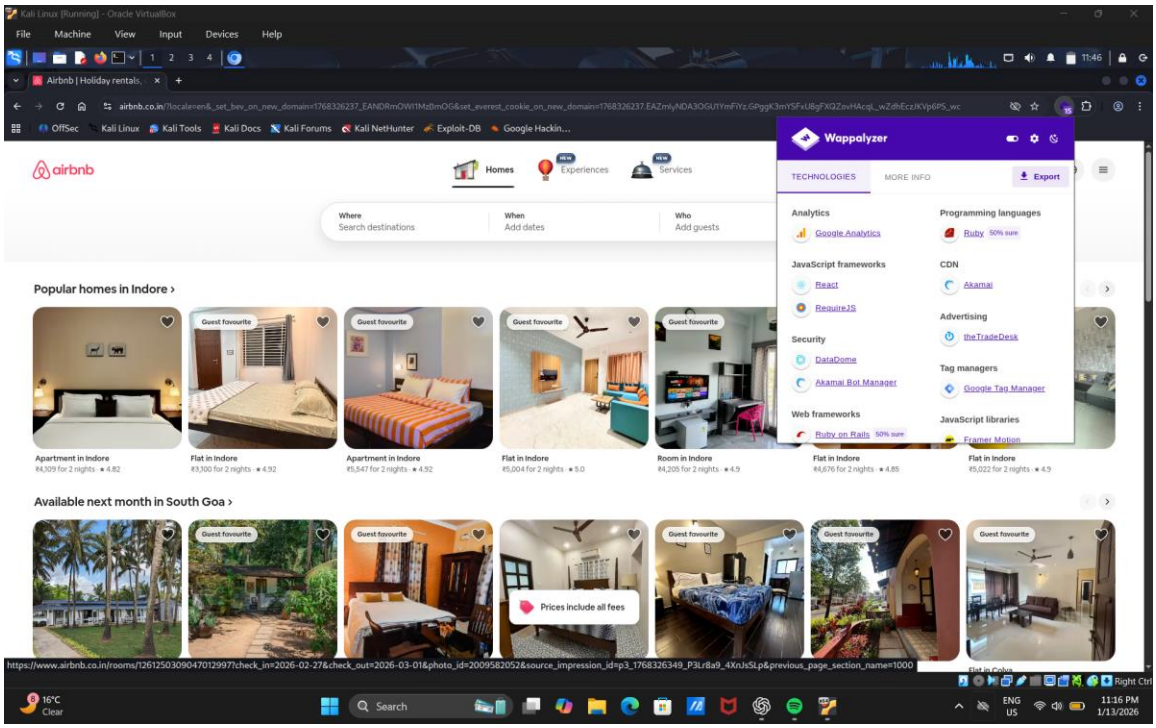
4. Ping Test of Main Domain

A ping test was performed on the main domain airbnb.com to check ICMP reachability. The domain responded successfully, indicating the server is reachable. The IP address returned during the test was noted for documentation.



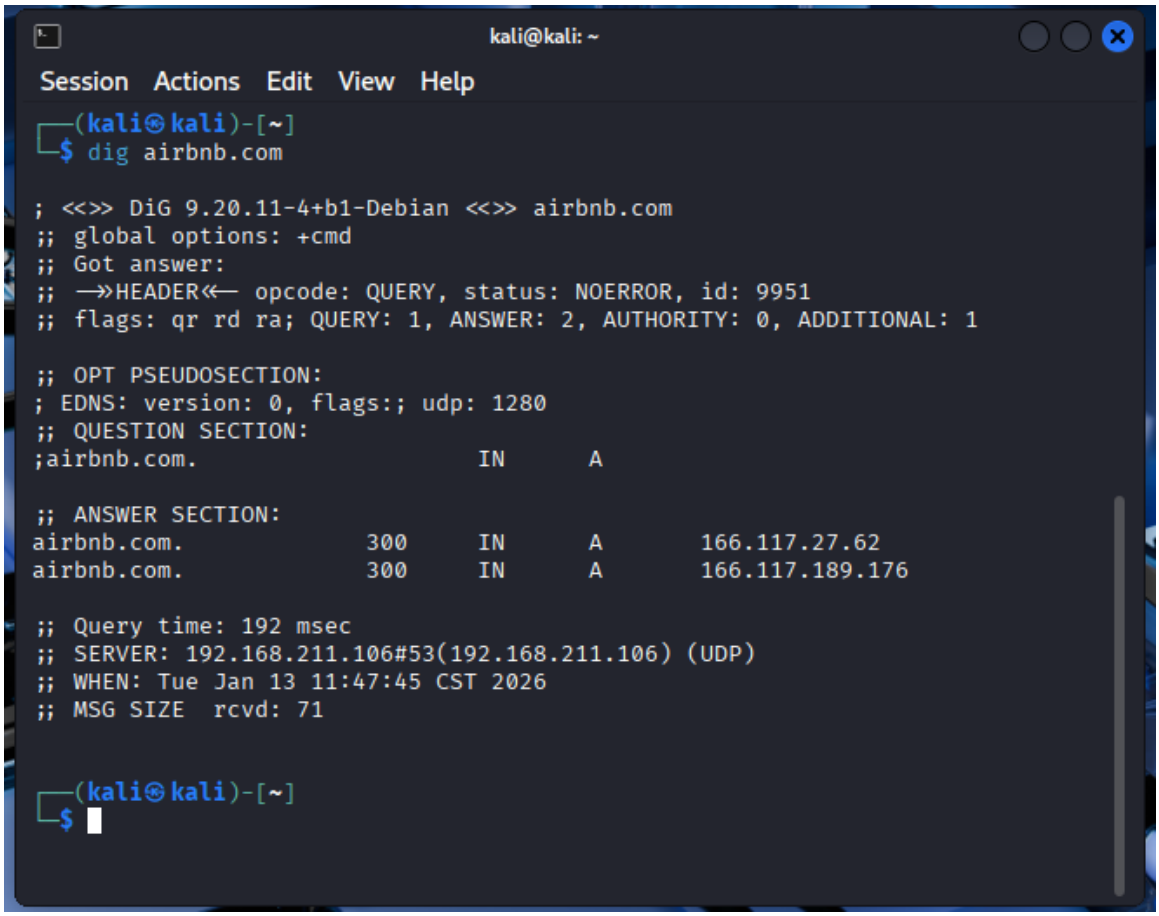
5. Technology Stack Identification (Main Domain)

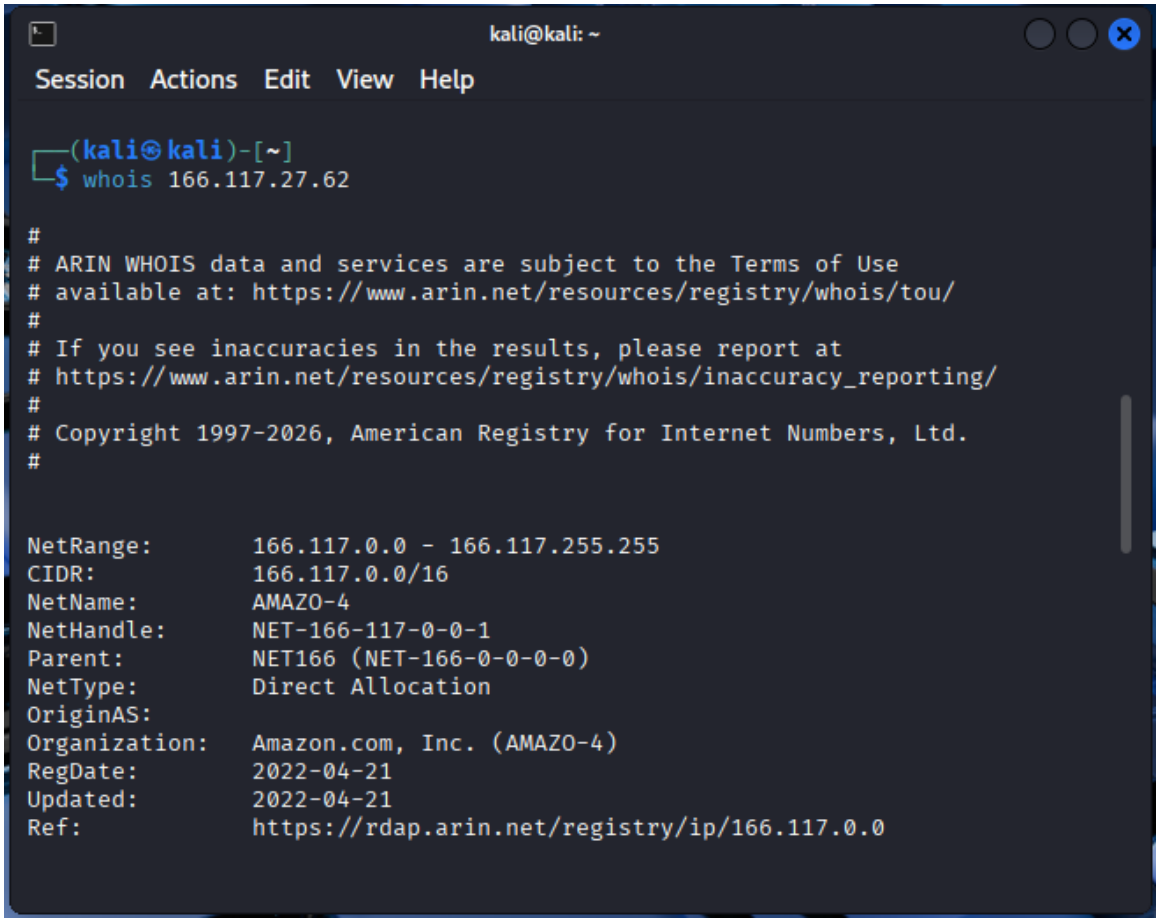
Using the Wappalyzer browser extension, the technology stack of the Airbnb main domain was identified. The website uses modern web technologies including CDN services, JavaScript frameworks, analytics tools, and secure web servers.



6. ASN Number & Organization IP Ranges

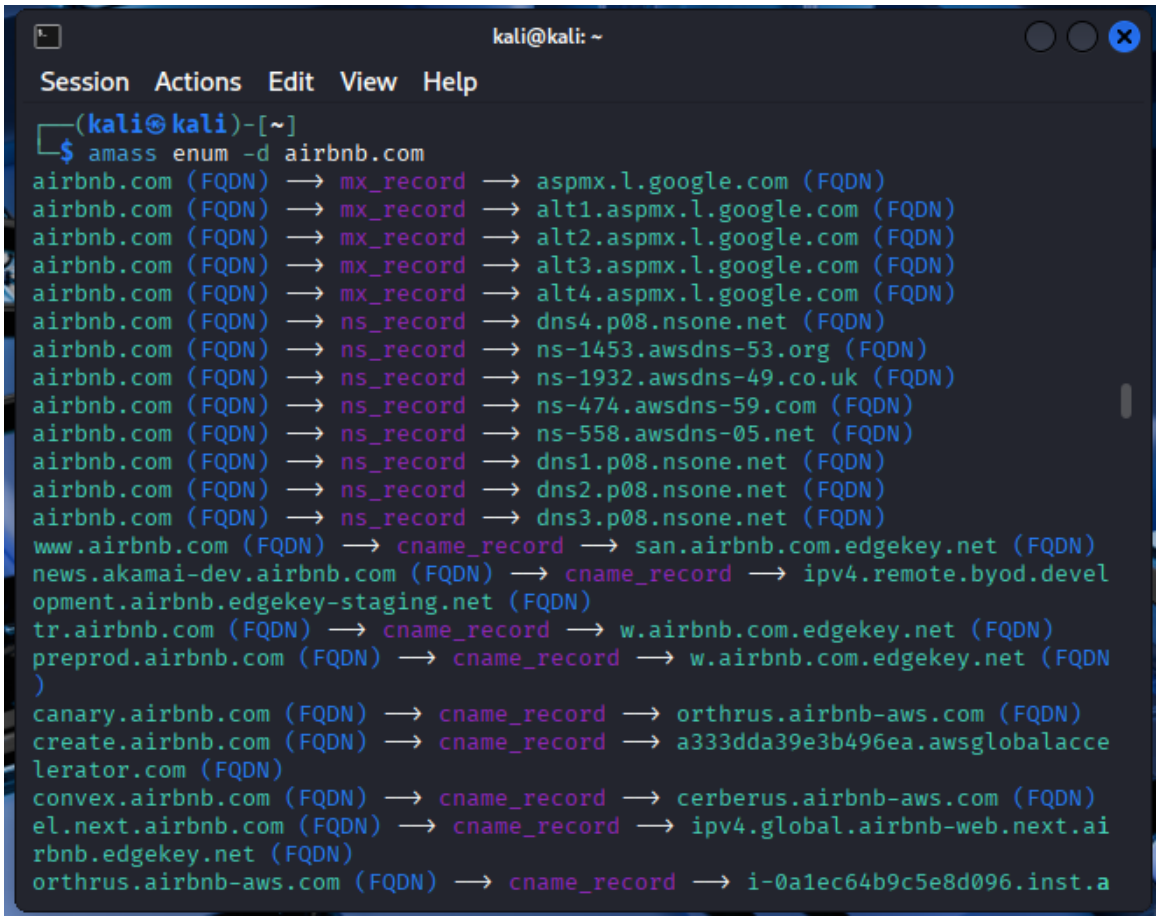
ASN and IP range information related to Airbnb was identified using WHOIS and DIG commands. These details help in understanding the network ownership and infrastructure used by the organization.




kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ whois 166.117.27.62
#
ARIN WHOIS data and services are subject to the Terms of Use
available at: https://www.arin.net/resources/registry/whois/tou/
#
If you see inaccuracies in the results, please report at
https://www.arin.net/resources/registry/whois/inaccuracy_reporting/
#
Copyright 1997-2026, American Registry for Internet Numbers, Ltd.
#
NetRange: 166.117.0.0 - 166.117.255.255
CIDR: 166.117.0.0/16
NetName: AMAZO-4
NetHandle: NET-166-117-0-0-1
Parent: NET166 (NET-166-0-0-0-0)
NetType: Direct Allocation
OriginAS:
Organization: Amazon.com, Inc. (AMAZO-4)
RegDate: 2022-04-21
Updated: 2022-04-21
Ref: https://rdap.arin.net/registry/ip/166.117.0.0

7. Subdomain Enumeration

Subdomain enumeration was performed using the amass tool on the main domain airbnb.com. Multiple subdomains were discovered, which represent different services and applications operated by Airbnb.



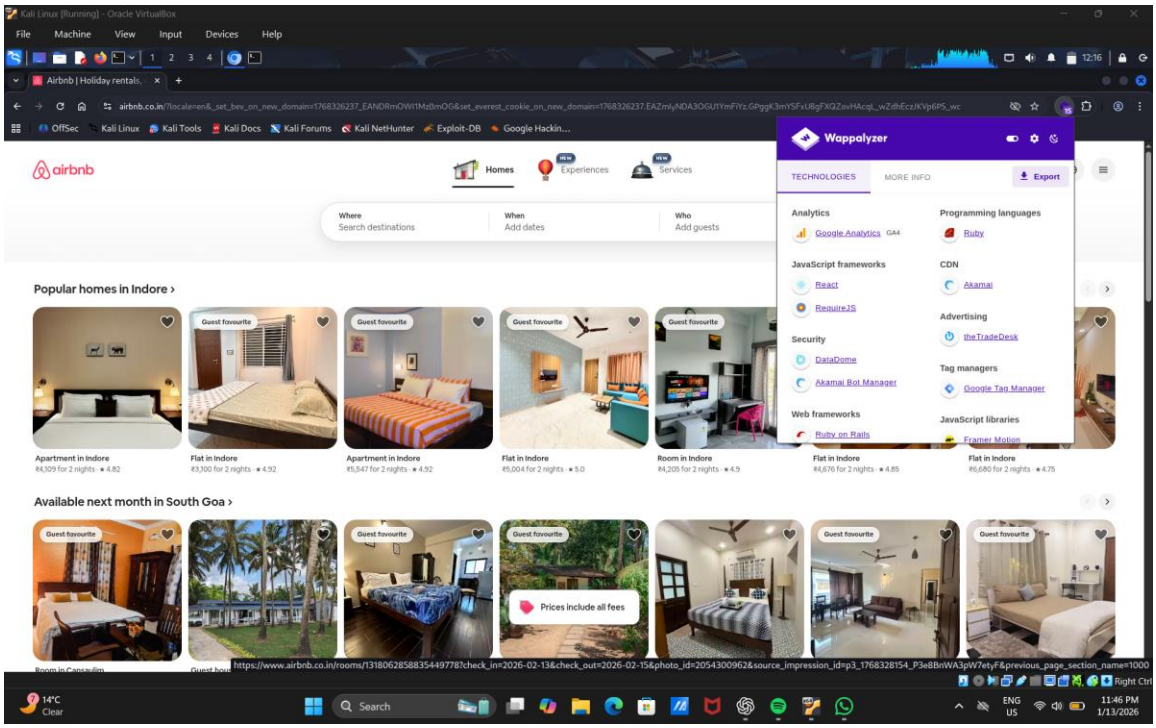
8. Technology Stack on Selected Subdomains

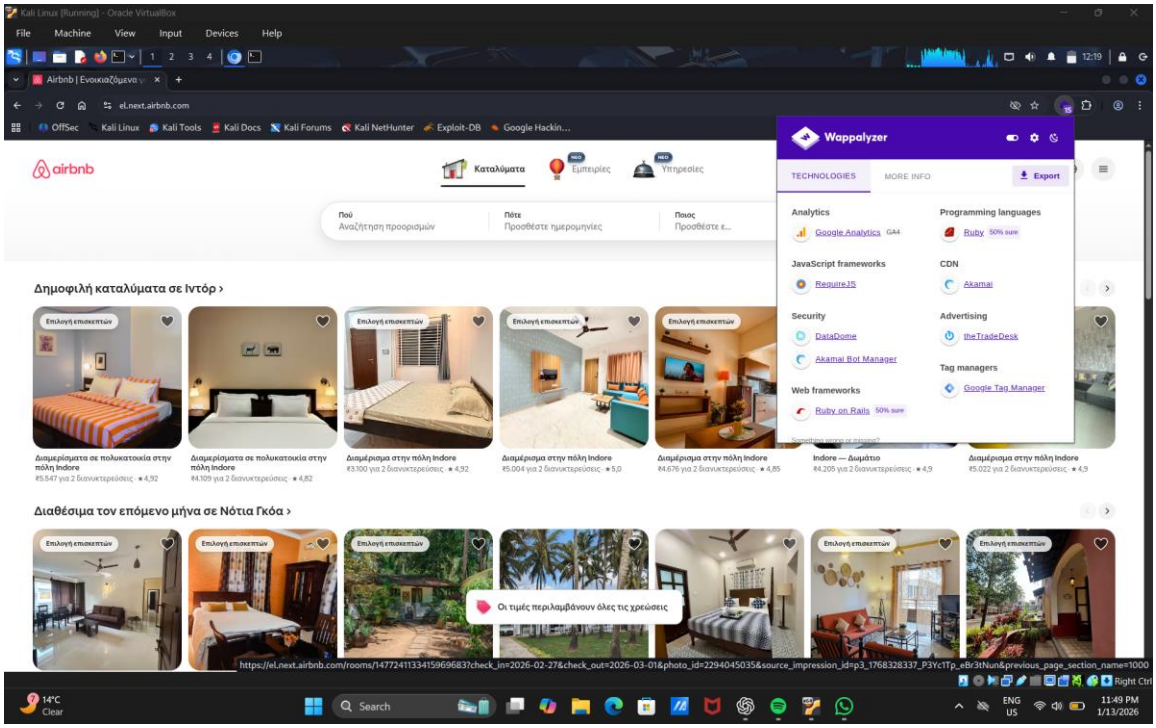
Five discovered subdomains were selected for further analysis. Each subdomain was analyzed using Wappalyzer to identify variations in technology usage,

including different frameworks, servers, and third-party services.

Used Sub-Domains:

1. Create.airbnb.com
2. el.next.airbnb.com
3. preprod.airbnb.com
4. tr.airbnb.com
5. az.next.airbnb.com




Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Airbnb | Ενοικιαζόμενα
el.next.airbnb.com
OffSec Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hackin...
airbnb
Καταλύματα
Εμπειρίες
Υπηρεσίες
Πού
Αναζήτηση προορισμών
Πότε
Προσθέστε ημερομηνίες
Ποιος
Προσθέστε ε...
Wappalyzer
TECHNOLOGIES
MORE INFO
Export
Analytics
Google Analytics GA4
Programming languages
Ruby 50% sure
JavaScript frameworks
RequireJS
CDN
Akamai
Security
DataDome
Akamai Bot Manager
Advertising
theTradeDesk
Tag managers
Google Tag Manager
Web frameworks
Ruby on Rails 50% sure
Δημοφιλή καταλύματα σε Ιντόρ ›
Επιλογή επισκεπτών
Διαμερίσματα σε πολυκατοικία στην πόλη Indore
Διαμέρισμα στην πόλη Indore
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Διαμέρισμα στην πόλη Indore
Διαμέρισμα στην πόλη Indore
Διαθέσιμα τον επόμενο μήνα σε Νότια Γκόα ›
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https://el.next.airbnb.com/rooms/1477241133415969683?check_in=2026-02-27&check_out=2026-03-01&photo_id=2294045035&source_impression_id=p3_1768328337_P3Yc1Tp_e8r3tNun&previous_page_section_name=1000
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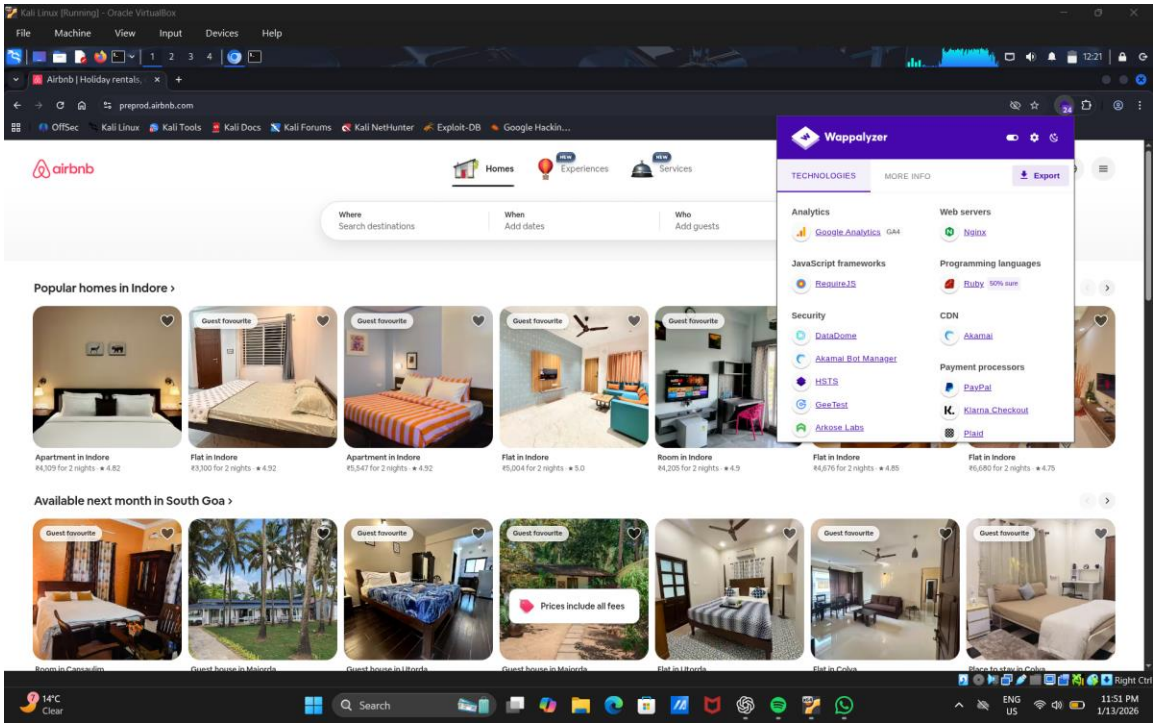
Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Airbnb | Holiday rentals,
preprod.airbnb.com
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Homes
Experiences
Services
Where
Search destinations
When
Add dates
Who
Add guests
Wappalyzer
TECHNOLOGIES
MORE INFO
Export
Analytics
Google Analytics GA4
Web servers
Nginx
JavaScript frameworks
RequireJS
Programming languages
Ruby 50% sure
Security
DataDome
Akamai Bot Manager
HSTS
GeeTest
Arkose Labs
CDN
Akamai
Payment processors
PayPal
Klarna Checkout
Plaid
Popular homes in Indore ›
Guest favourite
Apartment in Indore
Flat in Indore
Apartment in Indore
Flat in Indore
Room in Indore
Flat in Indore
Flat in Indore
Available next month in South Goa ›
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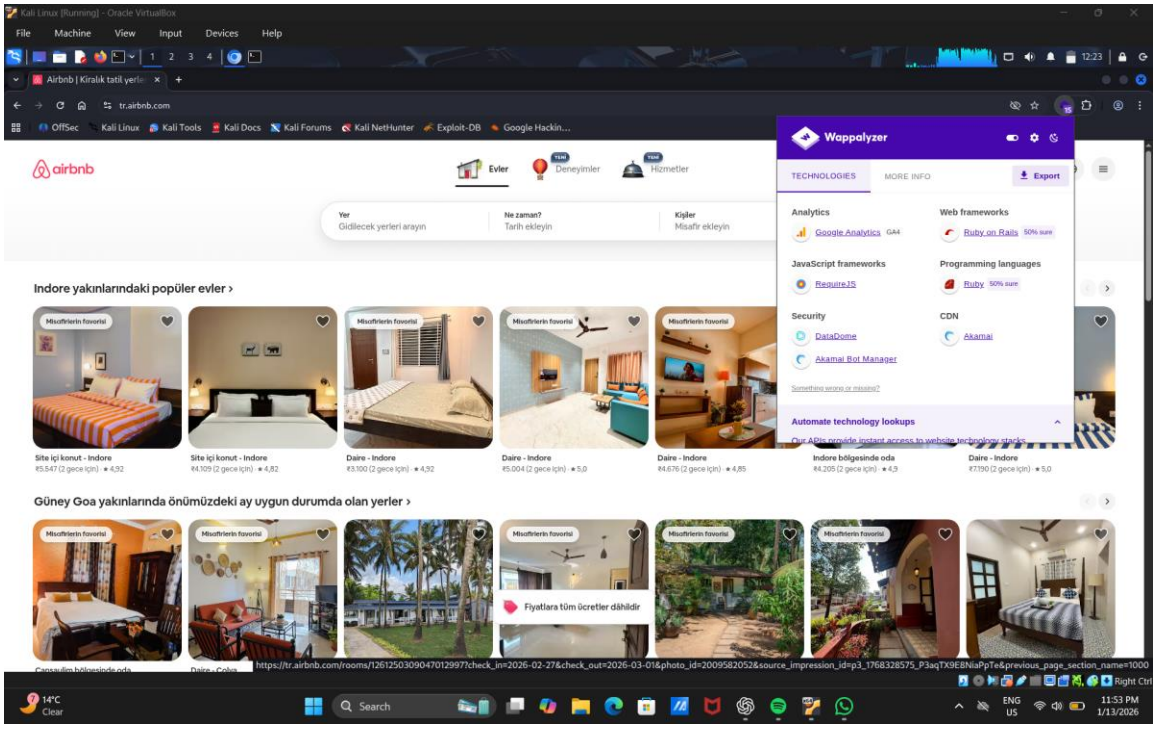
Kali Linux [Running] - Oracle VirtualBox
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Evler
Deneyimler
Hizmetler
Yer
Gidilecek yerleri arayın
Ne zaman?
Tarih ekleyin
Kişiler
Misafir ekleyin
Wappalyzer
TECHNOLOGIES
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Google Analytics GA4
Web frameworks
Ruby on Rails 50% sure
JavaScript frameworks
RequireJS
Programming languages
Ruby 50% sure
Security
DataDome
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Akamai
Akamai Bot Manager
Something wrong or missing?
Automate technology lookups
Our APIs provide instant access to website technology stacks
Indore yakınlarındaki popüler evler ›
Misafirlerin favorisi
Site içi konut - Indore
₹5.547 (2 gece için) · ★ 4,92
Site içi konut - Indore
₹4.109 (2 gece için) · ★ 4,82
Daire - Indore
₹3.100 (2 gece için) · ★ 4,92
Daire - Indore
₹5.004 (2 gece için) · ★ 5,0
Daire - Indore
₹4.676 (2 gece için) · ★ 4,85
İndore bölgesinde oda
₹4.205 (2 gece için) · ★ 4,9
Daire - Indore
₹7.190 (2 gece için) · ★ 5,0
Güney Goa yakınlarında önümüzdeki ay uygun durumda olan yerler ›
Fiyatlara tüm ücretler dâhildir
https://tr.airbnb.com/rooms/1261250309047012997?check_in=2026-02-27&check_out=2026-03-01&photo_id=2009582052&source_impression_id=p3_1768328575_P3aqTX9E8NiaPpTe&previous_page_section_name=1000
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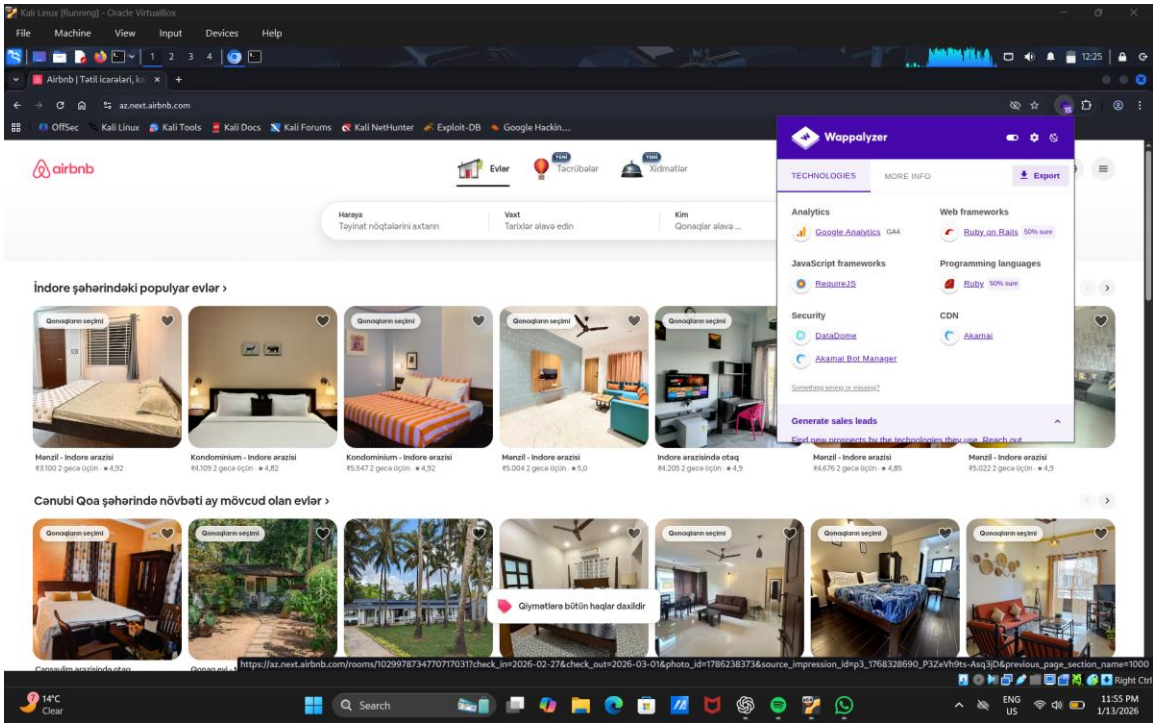
1/13/2026


Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
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Təcrübələr
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Haraya
Təyinat nöqtələrini axtarın
Vaxt
Tarixlər əlavə edin
Kim
Qonaqlar əlavə ...
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JavaScript frameworks
RequireJS
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Ruby 50% sure
Security
DataDome
CDN
Akamai
Akamai Bot Manager
Something wrong or missing?
Generate sales leads
Find new prospects by the technologies they use. Reach out
İndore şəhərindəki populyar evlər ›
Qonaqların seçimi
Manzil - Indore arazisi
₹3.100 2 gecə üçün · ★ 4,92
Kondominium - Indore arazisi
₹4.109 2 gecə üçün · ★ 4,82
Kondominium - Indore arazisi
₹5.547 2 gecə üçün · ★ 4,92
Manzil - Indore arazisi
₹5.004 2 gecə üçün · ★ 5,0
Indore arazisində otaq
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Manzil - Indore arazisi
₹4.676 2 gecə üçün · ★ 4,85
Manzil - Indore arazisi
₹5.022 2 gecə üçün · ★ 4,9
Cənubi Qoa şəhərində növbəti ay mövcud olan evlər ›
Qiymətlərə bütün haqlar daxildir
https://az.next.airbnb.com/rooms/1029978734770717031?check_in=2026-02-27&check_out=2026-03-01&photo_id=1786238373&source_impression_id=p3_1768328690_P3ZeVh9ts-Asq3jD&previous_page_section_name=1000
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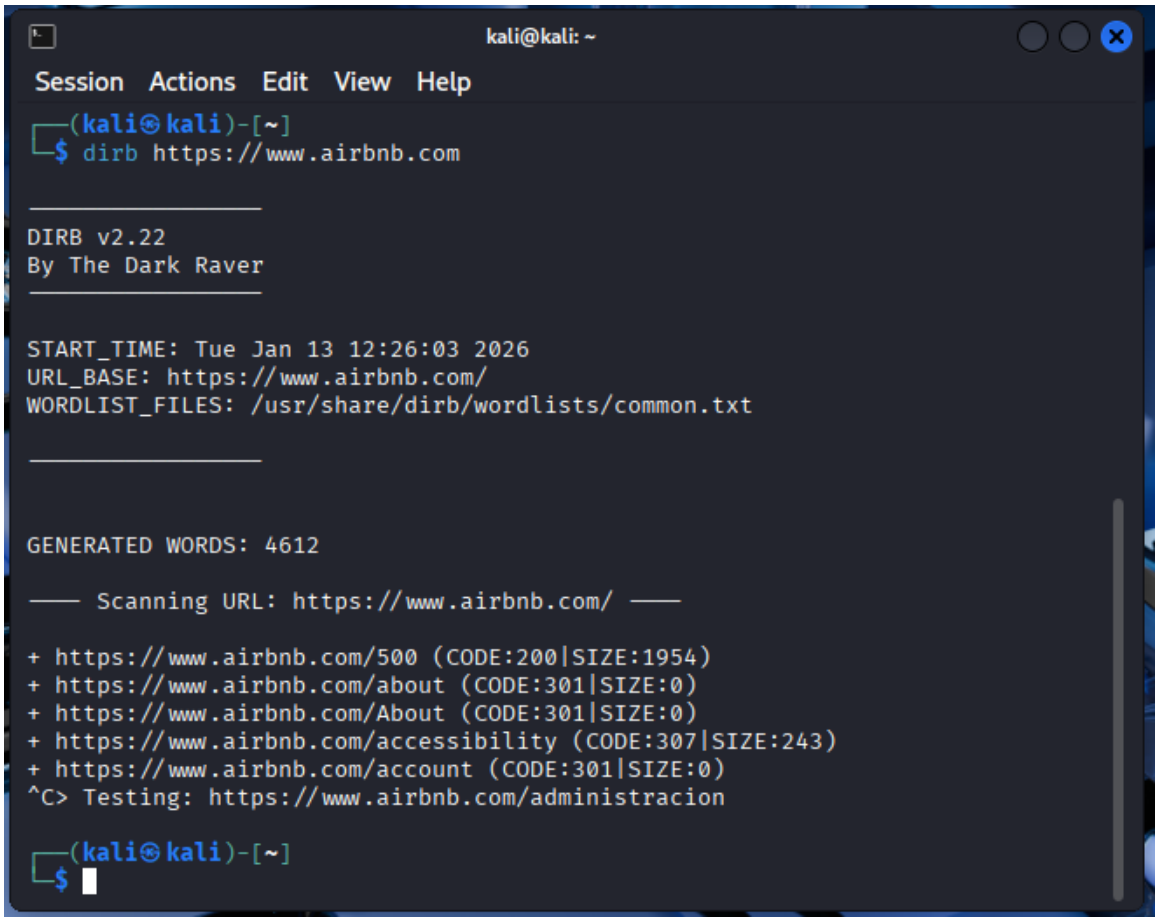
9. Hidden Files & Directories (Main Domain Only)

Directory enumeration was conducted on the main domain using the dirb tool with the default wordlist. Several accessible directories and redirection responses were identified and documented.



10. Conclusion

This project focused on performing **passive reconnaissance and footprinting** on well-known domains like **Airbnb** and **Dell** using ethical and non-intrusive techniques. Various tools such as **WHOIS, DIG, AMASS, PING, search engine enumeration, and Wappalyzer** were used to collect publicly available information.

Through this analysis, important details related to **IP addresses, DNS records, subdomains, hosting infrastructure, and technology stack** were identified. The results show how large organizations use **cloud services, CDNs, and modern web technologies** to maintain performance and security.

Overall, this project helped in understanding the importance of reconnaissance as the **first step in cybersecurity and ethical hacking**, and provided practical knowledge of real-world security assessment techniques.