

# DnsDumpster

DNSDumpster is a tool used for obtaining DNS information about a domain. It is a network reconnaissance tool that helps in identifying all the DNS servers and related information associated with a domain. This can be particularly useful for security professionals and researchers to understand the infrastructure of a target domain.

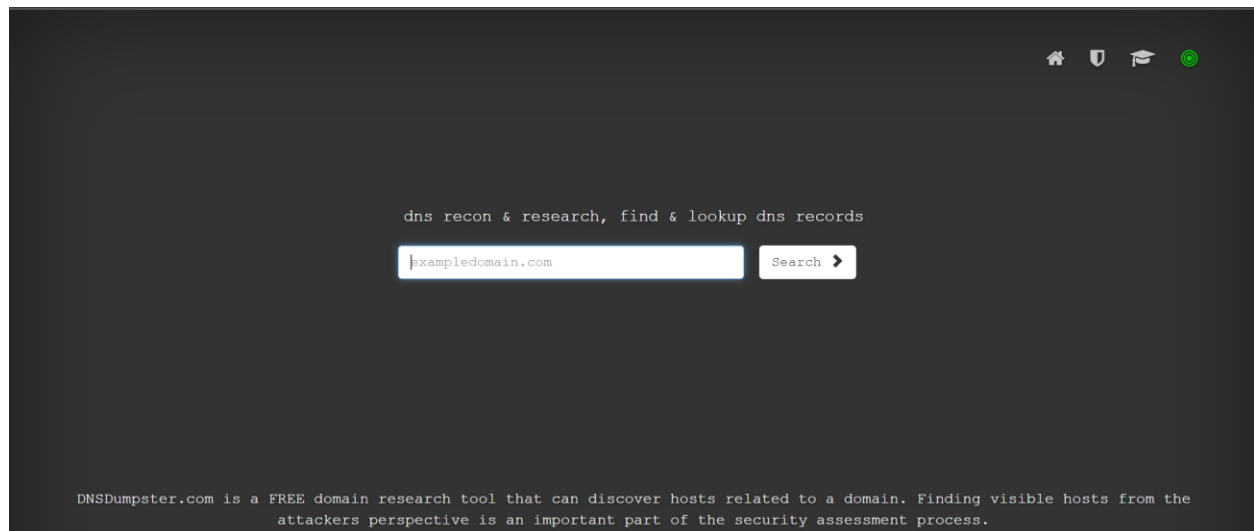
It is widely used by security professionals for gathering intelligence on a target domain during the initial phases of a penetration test or security assessment. By identifying all the publicly available assets associated with a domain, security teams can better understand the attack surface and potential vulnerabilities.

## Usecase: -

- **DNS Servers:** - It is used to find the geo locations of the DNS Servers.
- **TXT Records:** - It will retrieve TXT Records of the domain.
- **MX Records:** - It is used to have insight of Mail Exchange records.
- **Host Records (A):** - It can be used to view the A records of the Domain.

## Example: -













































1. To have a web based insight of the information related to domain we will use the DnsDumpster.









2. We will have ibm.com as our target so fill it over search bar to have information related ibm.com.



3. Firstly, we have information related to DNS servers. A DNS server translates human-readable domain names into machine-readable IP addresses, enabling devices to locate and communicate with each other on the internet. This shows the ip as well as location of the DNS servers.

DNS Servers			   	
asia3.akam.net.     	23.211.61.64	AKAMAI-ASN2 United States		
usc2.akam.net.     	184.26.160.64	AKAMAI-ASN2 United States		
usw2.akam.net.     	184.26.161.64	AKAMAI-ASN2 United States		
ns1-99.akam.net.     	193.108.91.99	AKAMAI-ASN2 The Netherlands		
usc3.akam.net.     	96.7.50.64	AKAMAI-ASN2 United States		
eur2.akam.net.     	95.100.173.64	AKAMAI-ASN2 The Netherlands		
ns1-206.akam.net.     	193.108.91.206	AKAMAI-ASN2 The Netherlands		
eur5.akam.net.     	23.74.25.64	AKAMAI-ASN2 United States		

4. MX (Mail Exchange) records are DNS records that specify the mail servers responsible for receiving email on behalf of a domain, directing email traffic to the appropriate mail servers. This is where email for the domain goes.

MX Records ** This is where email for the domain goes...		
5 mx0a-001b2d05.pphosted.com.   	205.220.161.114	PROOFPOINT-ASN-US-WEST United States
5 mx0b-001b2d05.pphosted.com.   	205.220.172.48	PROOFPOINT-ASN-US-EAST United States
TXT Records ** Find more hosts in Sender Policy Framework (SPF) configurations		
"v=spf1 include:{ir}.{v}.{d}.spf.has.pphosted.com ip4:148.163.158.5 ip4:148.163.156.1 ip4:67.231.145.127 ip4:67.231.153.87 ip4:168.245.101.145 mx a:zgateway.zuora.com include:_spf.google.com ~all"		
"google-gws-recovery-domain-verification=48225137"		
"google-site-verification=aH5jG_abrxRKeKZKOxX9CuXlXdFSCQxVkmAVoYwzNcc"		
"hl-domain-verification=m9jGKLya5hDdU5AHUfK9jr8mWVhx3h9t9ztFDfMaxZfgChvk"		
"intersight=cfe6f48b59e7428442b9aab04765ca0953e01c480a685ca5cfc6939ef9e505532"		
"google-gws-recovery-domain-verification=42135076"		
"00D3h000004YkeYEAS"		

5. TXT (Text) records are DNS records that store text information related to a domain, often used for purposes such as verifying domain ownership and setting email authentication protocols like SPF, DKIM, and DMARC. It find more hosts in Sender Policy Framework (SPF) configuration.

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TXT Records ** Find more hosts in Sender Policy Framework (SPF) configurations

"v=spf1 include:%(ir).%(v).%(d).spf.has.pphosted.com ip4:148.163.158.5 ip4:148.163.156.1 ip4:67.231.145.127 ip4:67.231.153.87 ip4:168.245.101.145 mx a:zgateway.zuora.com include:_spf.google.com ~all"

"google-gws-recovery-domain-verification=48225137"

"google-site-verification=aH5jG_abrxRKeKZKOrX9CuXlXdFSCQxVkmAVoYwzNcc"

"hl-domain-verification=m9jGKLYa5hDdU5AHUEK9jrBmWVhx3h9t9ztFDfMaxZfgChvk"

"intersight=cfe6f48b59e7428442b9aab04765ca0953e01c480a685ca5cf6939ef9e505532"

"google-gws-recovery-domain-verification=42135076"

"00D3h000004YkeYEAS"

"yandex-verification: 5f458b477256c50c"

"Dynatrace-site-verification=76b6b299-fe43-4f31-889b-a8a467193478_8q74sg9dg5udjppn95utr8bct"




































"google-site-verification=Jck8mLbYYfCnrm_i_nRy4MG2fbUN3UGhC29KdspGLd9Y"

"00d50000000c9mweay"

"MS=ms61389031"

"onetrust-domain-verification=e7e09cedfb9b4ff386f1274e4c214d55"
```

6. An A (Address) record is a DNS record that maps a domain name to its corresponding IPv4 address, allowing users to reach the website or service associated with that domain.

Host Records (A) ** this data may not be current as it uses a static database (updated monthly)		
ibm.com     	184.86.161.135 a184-86-161-135.deploy.static.akamaitechnologies.com	AKAMAI-AS United States
solsrc.rs6000.ibm.com     	32.97.254.70	ATT-INTERNET4 United States
www-950.ibm.com     	216.208.176.98	BACOM Canada
ftp.p390.ibm.com     	204.146.133.101 ftp.p390.ibm.com	TEST-AUSTIN-IBM-AS United States
o40.sfx01.ibm.com     	167.89.39.55 o40.sfx01.ibm.com	SENDGRID United States
mhasns1.ibm.com     	169.45.223.108 6c.df.2da9.ip4.static.sl-reverse.com	SOFTLAYER United States
api-wdc04.testsvcs.cloud2.ibm.com     	150.239.86.255 ff.56.ef96.ip4.static.sl-reverse.com	SOFTLAYER United States
pulsar-wdc04.testsvcs.cloud2.ibm.com	150.239.86.255	SOFTLAYER

7. Here we have an insight of the structure of domain in a graphical tree like structure.

