

# EasyDMARC DNS Records Lookup

## DNS Records Lookup

### What is the DNS Records Lookup tool?

The DNS Records lookup tool retrieves the DNS records of your domain and show them in a list. You can run DNS lookup against well known DNS servers such as Google, Cloudflare, Quad9, or the domain's authoritative name server (SOA). Use the DNS lookup tool to verify that you have configured correct DNS records for your domain, so you can avoid any downtime. DNS records types you can check include A, AAAA, MX, CNAME, TXT, PTR, NS, SOA.

### Description of DNS Records types

#### **A record:**

This DNS record category points a fully qualified domain name (FQDN) to an IPv4 address and acts as a translator by converting domain names to IP addresses. It could be used for pointing to both the main domain and subdomains.

#### **AAAA record:**

This is similar to A record but points to an IPv6 address. IPv6 has been created due to the shortage of IPv4.

#### **MX record:**

This record type points to the mail server(s) and specifies their priority for receiving email for a domain. It should point to a mail server name and not an IP address.

#### **CNAME record:**

It's an alias that points domain or subdomain to another hostname, but never an IP address. The aliased domain gets all DNS records of target hostname and is commonly used to associate

subdomains with the existing main domain.

### **TXT record:**

Administrators can add limited human and machine-readable notes via this record type. It can also be used for email validation, site ownership verification, SPF, DKIM, DMARC, MTA-STS, policies, etc.

### **PTR record:**

This record points the IPv4 or IPv6 address to a domain name. It provides a reverse DNS record (also known as rDNS record) pointing an IP address to the domain hostname. These records require domain authority and can't exist in the same zone as other DNS record types.

### **NS record:**

It points to the name servers which have authority in managing and publishing DNS records of a given domain. These are the authoritative DNS servers that handle any query related to that domain.

### **SOA record:**

This record provides essential information about the domain. It contains data on the master node of the domain authoritative nameserver, domain administrator's email, DNS zone's serial number, etc. It's used to direct how a DNS zone propagates to secondary name servers.

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