

## 4. MX von whitehouse.gov

```
>>> dig 9.18.30-ubuntu0.24.04.2-Ubuntu <<> any whitehouse.gov
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 30604
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;whitehouse.gov.                IN      ANY

;; ANSWER SECTION:
whitehouse.gov. 1253 IN SOA ernest.ns.cloudflare.com. dns.cloudflare.com. 2368069009 10000 2400 604800 1800
whitehouse.gov. 3053 IN DNSKEY 257 3 13 mdsswUyr3DPW132m0i8V9xESWE8jTo8dxCjjnopKl+GqJxpVXckHAeF+ KkxLbxILFDLUT0rAK9iUzy1L53ekGQ==
whitehouse.gov. 3053 IN DNSKEY 256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCwzJa0au8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGPmM1x8fGAa2XhSA==
whitehouse.gov. 1253 IN NSEC \000.whitehouse.gov. A NS SOA HINFO TXT AAAA LOC SRV NAPTR CERT SSHFP RRSIG NSEC DNSKEY TLSA SMIMEA
HIP CDS CDNSKEY OPENPGPKEY SVCB HTTPS URI CAA
whitehouse.gov. 3053 IN DS 2371 13 2 BE4C7B11AD123596BA672B13FFDA04CA73C9FE0652E66542AEFADF2 06B381AE
whitehouse.gov. 3053 IN RRSIG NSEC 13 2 1800 20250323160612 20250321140612 34505 whitehouse.gov. +MMmrEx1tGgHck7ZTCr0F0800p/D6QYY7
QXBVsl6QD7G8JrZrCAHlnLf BgWMtf2bb1tE2dNuFKRdCmctcAJ+NA==
whitehouse.gov. 3053 IN RRSIG SOA 13 2 1800 20250323160612 20250321140612 34505 whitehouse.gov. BvRI8rL3m3LEqdpK5BUnnMtf28ikOeA3K
L4eGroaSRicaUQZn3qnHA1 AqOxpYZbvGxkJ9LC7SRKi6tIAyBqPQ==
whitehouse.gov. 3053 IN RRSIG DNSKEY 13 2 3600 20250520185504 20250320185504 2371 whitehouse.gov. As6r2Y55f+47E29AIiSLvUcuYnzCXC18
6vxF6ziUiUo37AlBiedb0I1 4b8mM8D6+8cXKbEwBwKTLPrMddUdnA==
whitehouse.gov. 3053 IN RRSIG DS 13 2 3600 20250323160612 20250321140612 35496 gov. VQ4CV4s53mjNCcymuaIuwxrpxKnS8yPhAuxsy6gGeYYH+v
FpgVKmCdTd cuqdlMavi63aSVKE/XVMxwh3nHXcq==

;; Query time: 36 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (TCP)
;; WHEN: Sat Mar 22 16:15:18 CET 2025
;; MSG SIZE rcvd: 788
```

Aus dieser Ausgabe, lässt sich kein MX-Record entnehmen.

## 5. Abfrage ip und ip6 von zdf.de

```
;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;zdf.at.                IN      ANY

;; ANSWER SECTION:
zdf.at. 86400 IN A 185.93.212.4
zdf.at. 86400 IN MX 10 mail.zdf.at.
zdf.at. 86400 IN NS ns8.cso.net.
zdf.at. 86400 IN NS ns7.cso.net.
zdf.at. 86400 IN SOA ns7.cso.net. domain-admin.cso.net. 2015070319 10800 3600 604800 86400
```

```
>>> dig 9.18.30-ubuntu0.24.04.2-Ubuntu <<> aaaa zdf.at
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 43838
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;zdf.at.                IN      AAAA

;; AUTHORITY SECTION:
zdf.at. 600 IN SOA ns7.cso.net. domain-admin.cso.net. 2015070319 10800 3600 604800 86400

;; Query time: 18 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Sat Mar 22 16:11:20 CET 2025
;; MSG SIZE rcvd: 95
```

Der ZDF.at hat zwar eine IPv4 Adresse (185.93.212.4), allerdings lässt sich aus beiden Bildern ablesen, dass keine IPv6 Adresse (AAAA) vorhanden ist.

## 6. Nachbarn Pingen

ping (IP-Adresse)

erfolgreich