List of Public DNS Servers

Порівняльна характеристика публічних DNS від wiki.ipfire.org
Потребує перекладу!

During the process of dial-in, your ISP usually passes two to four DNS servers to the router or modem for looking up IP addresses. They will be used if you have not set some other DNS servers.

However, it might be possible that these DNS servers are censored, compromised or don't provide DNSSEC validation which makes DNS replies more secure. In case you don't trust your ISPs DNS servers, feel free to use alternate DNS server from the list below.

Operator	Location	DNSSEC	Address(es)
Alternate DNS	US	aware	198.101.242.72
	US	aware	23.253.163.53
AS250 / Chaos Computer Club (CCC)	DE	validating	194.150.168.168
censurfridns.dk	DK	validating	89.233.43.71
			2001:67c:28a4::
	Anycast	validating	91.239.100.100
			2002:d596:2a92:1:71:53::
Comodo Secure DNS	US	Strips RRSIG	8.26.56.26
	US	Strips RRSIG	8.20.247.20
Cloudflare	Anycast	validating	1.1.1.1
			2606:4700:4700::1111
	Anycast	validating	1.0.0.1
			2606:4700:4700::1001
CyberGhost	US	aware	38.132.106.139
	UK	aware	194.187.251.67
Digitalcourage	DE	validating	85.214.20.141
			2a01:238:42f6:ac00:2a29:4f7f:b6d:ef46
	DE	validating	46.182.19.48
DNSReactor	US	Strips RRSIG	45.55.155.25
	US	Strips RRSIG	104.236.210.29
Dyn	US	validating	216.146.35.35
	US	validating	216.146.36.36
French Data Network (FDN)	FR	aware	80.67.169.12
			2001:910:800::12
	FR	validating	80.67.169.40
			2001:910:800::40
FreeDNS	AT	Strips RRSIG	37.235.1.174
	AT	Strips RRSIG	37.235.1.177

Operator	Location	DNSSEC	Address(es)
Freenom World	NL	validating	80.80.80.80
	NL	validating	80.80.81.81
Google Public Free DNS	Anycast	validating	8.8.8.8
	Anycast	validating	8.8.4.4
GreenTeamDNS	IL	Strips RRSIG	81.218.119.11
	IL	Strips RRSIG	209.88.198.133
Hurricane Electric	Anycast	validating	74.82.42.42
			2001:470:20::2
Lightning Wire Labs	DE	validating + DNS over TLS	81.3.27.54
			2001:470:7655::54
Neustar DNS Advantage	US	validating	156.154.70.1
	US	validating	156.154.71.1
New Nations	DE	aware	5.45.96.220
	DE	aware	185.82.22.133
Norton DNS	US	validating	199.85.126.10
	US	validating	199.85.127.10
Nuernberg Internet Exchange (N-IX)	DE	Strips RRSIG	194.8.57.12
OpenDNS (hosted-blacklists)	Anycast	Strips RRSIG	208.67.222.222
	Anycast	Strips RRSIG	208.67.220.220
	Anycast	Strips RRSIG	208.67.220.222
	Anycast	Strips RRSIG	208.67.222.220
OpenNIC	AT	aware	5.132.191.104
	AU	Strips RRSIG	111.67.20.8
	AU	aware	163.53.248.170
	AU	aware	103.236.162.119
	CA	aware	104.37.195.178
	CA	aware	192.99.85.244
	CH	aware	31.171.251.118
	CZ	aware	51.254.25.115
	DE	validating	82.141.39.32
	DE	validating	50.3.82.215
	DE	Strips RRSIG	46.101.70.183
	DE	aware	94.16.114.254
	DE	validating	173.212.234.232
	DE	validating	173.249.7.187
	DE	validating	130.255.78.223
	DE	aware	144.76.133.38
	DE	validating	172.104.136.243
	DE	validating	94.247.43.254
	EC	aware	45.71.112.70
	FR	validating	163.172.185.51

Operator	Location	DNSSEC	Address(es)
	FR	aware	87.98.175.85
	FR	aware	51.255.48.78
	FR	validating	188.165.200.156
	FR	aware	92.222.97.145
	FR	aware	37.59.40.15
	GB	validating	159.89.249.249
	IN	validating	139.59.18.213
	IT	validating	193.183.98.66
	JP	validating	108.61.201.119
	LT	validating	212.24.98.54
	MD	aware	178.17.170.179
	NL	aware	185.208.208.141
	NL	aware	82.196.9.45
	NL	aware	146.185.176.36
	NL	aware	163.172.215.64
	RO	validating	188.213.49.35
	RO	aware	89.35.39.64
	RO	validating	89.18.27.167
	RU	aware	91.217.137.37
	RU	validating	185.117.154.144
	RU	validating	95.181.211.6
	SE	validating	176.126.70.119
	SG	aware	139.99.96.146
	UA	validating	217.12.210.54
	UK	validating	185.164.136.225
	US	validating	66.70.211.246
	US	aware	96.47.228.108
	US	validating	128.52.130.209
	US	aware	172.98.193.42
	US	aware	162.248.241.94
	US	validating	107.172.42.186
	US	validating	66.165.251.19
	US	validating	103.114.191.33
	US	validating	103.114.191.44
	US	Strips RRSIG	73.11.11.6
	US	validating	198.206.14.241
	US	validating	18.211.225.60
puntCAT	ES	validating	109.69.8.51
Quad9	Anycast	validating	9.9.9.9
	Anycast	validating	9.9.9.10
SafeDNS	Anycast	aware	195.46.39.39
	Anycast	aware	195.46.39.40
SkyDNS	RU	aware	193.58.251.251
Sprintlink General DNS	US	aware	204.117.214.10
	US	aware	199.2.252.10

Operator	Location	DNSSEC	Address(es)
	US	aware	204.97.212.10
Verisign	US	validating	64.6.64.6
	US	validating	64.6.65.6
Verizon (Level 3)	Anycast	aware	4.2.2.1
	Anycast	aware	4.2.2.2
	Anycast	aware	4.2.2.3
	Anycast	aware	4.2.2.4
	Anycast	aware	4.2.2.5
	Anycast	aware	4.2.2.6
Xiala.net	CH	validating	77.109.148.136
			2001:1620:2078:136::
	CH	validating	77.109.148.137
			2001:1620:2078:137::
Yandex.DNS	RU	Strips RRSIG	77.88.8.88
	RU	Strips RRSIG	77.88.8.2

Legend

DNSSEC	Explanation
validating	The server is able to validate DNS records.
aware	The server is able to provide RRSIG, DNSKEY and DS records, but does not validate any records.
not supported or Strips RRSIG	The server doesn't know anything about DNSSEC and cannot be used by IPFire at all. If configured, a self-test will skip these servers and IPFire will potentially fall back into recursor mode.

About location and DNSSEC status

The location of the servers has been stated by using GeoIP Tool and the IPFire GeoIP server. However, it might be possible that the location is wrong (or has been changed meanwhile).

The servers that are marked with “Anycast” are using anycasts so that traffic will be routed to the nearest of the many instances that are there on the network. Thereof the exact location of the server(s) cannot be determined. Worse, different configurations of Anycast instances cannot be determined reliable.

A name server can be checked with the following command:

```
/etc/init.d/unbound test-name-server ADDRESS
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Security Considerations

A DNS server has a very powerful function in network topology. Please keep in mind that it might log your queries (which is a huge information leak).

Further, not all of the DNS servers below return correct answers in any case. Some of them return failures for harmful or malicious sites. Check the operators website for more information on this topic.

For security reasons, it is recommended to use DNS servers which support DNSSEC (i.e. have a green “validating” in the table above), if possible. Yellow “aware” servers will also work, leaving the task of validating DNS responses up to your IPFire machine. As mentioned above, “red” servers will not be used by IPFire.

For privacy and availability reasons, avoid using just one providers' DNS servers.

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