

DNS Monitoring Service for Infrastructure Domains

RIPE NCC

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This document obsoletes [ripe-429](#).

Since 2004, [DNSMON](#) has provided a comprehensive and independent overview of the quality of the service provided by infrastructure-level Domain Name System (DNS) servers.

DNSMON is built on top of the [RIPE Atlas service](#) using [RIPE Atlas anchors](#) as vantage points for its measurements. Measurements are carried out by sending normal DNS queries to monitored servers at regular intervals. All results are available to the public.

The RIPE NCC's DNSMON measurements benefit the entire Internet community by providing an objective and impartial global overview of TLD-level DNS operations. As part of this service, we monitor some interesting infrastructure domains, including the root and some ccTLD zones. The list of currently monitored domains is included in the [appendix](#).

If requested by the zone operators, we will additionally configure monitoring for the DNS servers of:

- ccTLDs and IDN ccTLDs from the RIPE NCC service region [\[1\]](#)
- ccTLDs and IDN ccTLDs operated by RIPE NCC members [\[2\]](#)
- Any Tier-1 ENUM domain (for example: 1.3.e164.arpa)

There is no additional cost to the domain owners for monitoring as part of the DNSMON service.

[1] We maintain a list of [ISO 3166](#) defined country codes on our [FTP Site](#). See: <https://www.ripe.net/participate/member-support/info/list-of-members/list-of-country-codes-and-rirs>.

For a list of defined IDN ccTLDs, see: <https://www.iana.org/domains/root/db>.

For an overview of countries in the RIPE service region, see:

<https://www.ripe.net/participate/member-support/info/list-of-members>.

[2] For a list of member organisations, see:

<https://www.ripe.net/participate/member-support/info/list-of-members>.

Information on how to become a member can be found here:

<https://www.ripe.net/participate/member-support/become-a-member>.

Appendix

. root
a.root-servers.net.
b.root-servers.net.
c.root-servers.net.
d.root-servers.net.
e.root-servers.net.
f.root-servers.net.
g.root-servers.net.
h.root-servers.net.
i.root-servers.net.
j.root-servers.net.
k.root-servers.net.
l.root-servers.net.
m.root-servers.net.
in-addr.arpa.
ip6.arpa.
com.
net.
org.
int.
e164.arpa.
3.4.e164.arpa.
4.4.e164.arpa.
9.4.e164.arpa.
ao.
aq.
at.
au.
be.
ca.
cf.
ch.

cl.
cpб. (xn--90a3ac)
cv.
cz.
de.
dk.
ee.
es.
eu.
fi.
fr.
ga.
gd.
gg.
gq.
gw.
hk.
ie.
il.
ir.
is.
je.
jp.
li.
lu.
ml.
mx.
nl.
no.
np.
nu.
nz.
om.
pl.
pt.
rs.
se.
si.
tk.
ua.
uk.
va.
xn--j6w193g. (香港.)