

internal/Internal Services



Internal services

You are asked to show some creativity in terms of network usage and content. ;)

More inspiration is collected [here](#) and [here](#).

CA

xuu is maintaining an [certificate authority](#) for internal services.

zotan is maintaining an (experimental, but working) [ACME server](#) (with accompanying CA), compatible with any LetsEncrypt client like Certbot, Dehydrated or Caddy.

Network-related

- See [Looking Glasses](#) for more network diagnostic tools
- Realtime network map: [map.dn42](#) (via DN42) or [map42.0x7f.cc](#) (via clearnet) (*Note: This is a direct copy of nixnodes map with some fixes and new functions since original map is no longer get maintained. This map uses the GRC as source, so it would be more comprehensive than original one. Data refreshes every 20~30 minutes.*)
- Network Information Service: [info.nia.dn42](#) (DN42) or [bgp42.strexp.net](#) (IANA). Main functions including *network information*, *network map* (from [map.dn42](#), require WebGL), *network ranking* (based on centrality), *ROA alerting* and *path finder*.
- Nixnodes original Map of the network: [map.nixnodes.net](#)
- DN42 IP address lookup tool: [dn42.g-load.eu/ip](#)
- New DNS System monitoring: [grafana.burple.com/d/E4iCaHoWk/dn42-dns-status](#)

Site Links

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- Services
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- DN42 Toplevel domain DNS monitoring: gatuno.dn42/dns
- Free DNS Hosting. You can host any toplevel or subdomain from dn42: gatuno.dn42/managed
- What is my IP: whatismyip.dn42, ip4.dn42, ip6.dn42

GeoIP Services

Map.dn42 provides a simple GeoIP service. This service uses rDNS records and country field in aut-num objects as a reference, currently designed for fun :P

API

Results are in JSON format.

[http://ipip.map.dn42/whois?ip=\[DN42_IP\]&lang=en](http://ipip.map.dn42/whois?ip=[DN42_IP]&lang=en)

[http://ipip.map.dn42/whois?asn=AS\[DN42_ASN\]](http://ipip.map.dn42/whois?asn=AS[DN42_ASN])

Client

There is a client software using above apis to provide GeoIP-based traceroute. It is a modified IPIP.NET Best Trace software with DN42 support injection.

Windows only, no virus scan report available, but our DLL source is provided with the modified client.

It's highly recommended to run this tool in a sandbox.

** Since the original software is not open source, so use it at your own risk.

**

Preview: <http://img.dn42/images/GEOTRACE42.jpg>

Link: <http://map.dn42/BestTrace42.zip>

Proving ASN ownership

Through this automated service you prove your ASN ownership to KIOUBIT-MNT who then automatically creates a "ownership verification signature". This signature can be very easily verified by anyone. This

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- Distributed Wiki
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removes the hassle from checking every different authentication method in the registry. This is particularly useful for automated setups.

Manual Verification: <https://dn42.g-load.eu/verify/manual/>

API: <https://dn42.g-load.eu/verify/documentation.txt>

IRC

Hostname / IP	SSL	Remarks
irc.hackint.dn42	Yes	DN42
irc.hackint.hack/dn42	Yes	ChaosVPN
irc.dn42	Yes	Internal IRC

Clients

Hostname / IP	Remarks
https://lounge.burple.dn42	thelounge for lurking on #dn42, see burble.dn42 services.

Search engines

Hostname / IP	Remarks
http://mhm.dn42/search	Hosted by toBee (DOWN 2020-11-02)

Images, E-Books, Videos and other Media

Hostname / IP	Remarks
http://img.dn42	Imagehoster

- Tor
- Telegram
- NTP
- OS
 - Mirror/Repository's
- Gaming
- Shell
- Misc
 - Usenet Servers / News
- Other networks
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Hostname / IP	Remarks
http://chan.dn42	DN42-Chan, an imageboard
http://j.munsternet.dn42	Jellyfin instance with movies and TV shows (test).

Radio and Video Streaming

Hostname / IP	Remarks
http://stream.media.dn42/	icecast-relay, contact toBee for more streams (DOWN 2020-11-02)
https://invidious.doxz.dn42/	Invidious instance with proxy (Youtube)
http://radio.hex.dn42/	Ambient musics

Direct Connect

Some [Advanced Direct Connect Hubs](#) are being run DN42 internally. Choose a [client](#) and connect to exchange files.

Address
adcs://hub.dcpp.dn42:1511
dchub://hub.dcpp.dn42:2780
dchub://dcpp.grmml.dn42:4111

FTP / HTTP

FIXME: Please add info about (approximate) bandwidth of the servers.

Hostname / IP	Space	Speed	Remarks
http://seafile.dn42			Opensource Dropbox, yay!

Hostname / IP	Space	Speed	Remarks
http://files.nop.dn42		max 1Mbit/s	download only
http://filer.mhm.dn42	4TB	1GBit	24/7/365 (DOWN 2020-11-02)
http://data.0l.dn42	5TB	1GBit	24/7/365, download, dn42 MRT dumps (DOWN 2020-11-02)

Torrent Search Engine

- <https://magnetic.dn42> (DHT Search Engine, DOWN 2020-11-02)

Proxies

See <http://wiki.hamburg.ccc.de/ChaosVPN:Proxy>

Tor

Entry points to the Tor network are available on dn42. See [Tor](#) for more details.

Telegram

A MTPProxy server is available at mtp.jerry.dn42:8044.

NTP

Hostname / IP	Remarks
ntp.martin89.dn42	more than one A records/server
tick.gotroot.dn42 (172.20.14.247)	Stratum 1, GPS, Vancouver Canada

Hostname / IP	Remarks
tock.gotroot.dn42 (172.20.14.250)	Stratum 2, Anycast on each node
*.burble.dn42	All burble.dn42 nodes are part of the NTP Pool and provide NTP over clearnet and DN42. See also burble.dn42 services

OS Mirror/Repository's

Repository Mirrors are listed on another page: [Repository Mirrors](#)

Gaming

Hostname / IP	Game	Remarks
hulk.mhm.dn42 (172.23.67.1)	Tetrisnet	
172.20.34.168	Minecraft	1.16.4, Bedrock supported, Abuse may lead to a network-wide ban or peer removal
mc.nia.dn42 (172.20.168.133, fd01:1926:817:3::)	Minecraft	1.16.4 Mod, Optimized for CN
ttd.nia.dn42 (172.20.168.132, fd01:1926:817:2::)	OpenTTD	1.10.1, Optimized for CN
mc.jerry.dn42	Minecraft	1.16.3, IPv4 & IPv6

Hostname / IP	Game	Remarks
ttd.jerry.dn42	OpenTTD	latest, IPv4 & IPv6
stk.jerry.dn42:2759, stk.jerry.neo:2759	SuperTuxKart	latest, IPv4 only
ns1.deltaman.dn42 (172.22.134.131, fd1b:7f7d:dd55:4600:219:ff:fe00:fafe)	OpenTTD	1.10.3, Hosted in NL

Shell

Providers of shell access:

Person	Hostname	Net	Description	Contact
mc36	telnet test.nop.dn42	dn42 only	looking glass	-
JerryXiao	ssh lg@lg.jerry.dn42	dn42 and icvpn	looking glass	-

Misc

Hostname / IP	Remarks
http://teams.dn42[.us]/dn42	Mattermost (Slack clone) instance: get notifications for wiki/CA changes here (DOWN 2020-11-02)
http://nowhere.ws/dn42	Some random stuff concerning dn42, packages for Debian, e.g. Quagga

Hostname / IP	Remarks
https://paste.weiti.dn42	AES-encrypted pastebin-like (privatebin)
http://www.nop.dn42/	Basic "whatismyip" service
http://freerouter.nop.dn42/	freeRouter main site
http://rtros.nop.dn42/	freeRouter distribution
https://git.dn42.us	Git Repository Hosting (Signup: email ssh pubkey to xuu@dn42.us)
https://git.dn42.us/pubkeys/[username]	Get ssh public keys from Git Users of git.dn42.
http://wiki.dn42 , http://internal.dn42 , dn42.i2p (i2p), jsptropkiix3ki5u.onion	This wiki! Web Hosted by xuu. Git Repo hosted on git.dn42
http://jack.pyropeter.eu/dn42/routecount/	Statistics about the number of v4/v6 routes seen by AS76115 (Since Aug. 2014)

Usenet Servers / News

There are some News Servers available [here](#)

Other networks

Public Internet

- <https://mirror.frubar.net> 100MBit
- <https://frucman.frubar.net>

NAT64

Niantic Network (AS4242421331) is providing a NAT64 service at Strategic Explorations (AS207268).

- IPv6 at public Internet: `2a0e:b107:b7f::[DN42 IPv4]`
- IPv4 endpoint at DN42:
 - `172.20.158.177` : Seattle
 - `172.20.158.178` : Singapore
- DNS64: `2602:feda:3c9::` Or `dns.strexp.net`

AnoNet

A wiki page dedicated to the AnoNet Network: <http://wiki.gontrol.nl/Anonet>

ChaosVPN

- Anybody can add services to this list, which will be monitored for uptime: <http://10.100.44.1>
- Check your IP and reverse lookup: ifconfig.hack
- View of the network: <http://vpnhub1-intern.hamburg.ccc.de/chaosvpn.png>
- List of nodes: <http://vpnhub1-intern.hamburg.ccc.de/chaosvpn.nodes.html>

Freifunk

Augsburg

We have a plugin that enables us to announce services in the mesh. So instead of listing them here again just have a look at <http://10.11.0.8/cgi-bin/luci/freifunk/services> to see what we have to offer. (Upload is not fast, most probably DSL speed only)

Hosted by: [xuu](#), [nurtic-vibe](#), [toBee](#), [burble](#) | Accessible via: [dn42](#), [tor](#), [i2p](#)

Last edited by **DN42 Wiki (BURBLE-MNT)**, 2021-01-11 05:56:22