

Forum:[Hack Forums](#)

Thread: [\[Notorious\] Ultimate DNS Guide for beginners](#)

bzr? - January 27, 2017, 11:01 am

One of the most common things I see around here these days is people asking about DNS', what they are, how they work and arguing whether they're even worth using. This thread will hopefully clear up some of this confusion with a breakdown for each aspect.

Let's start from the top.

What does DNS stand for?

DNS stands for Domain Name System

What does a DNS actually do?

Think of a Domain Name System as a phonebook, but instead of phone numbers of local businesses and neighbours, they contain domain names that refer to IPs. E.g. Google's domain is <http://google.co.uk> but it's IP is 216.58.214.3

What's the point?

There are many use cases for a DNS, here are a few applicable cases for a DNS DOES.
Make browsing the web much more user friendly
Provide fall back for webservices if using multiple DNS' and one fails (multiple domains).
Always calls back even if the IP changes
Heavily used in e-mail and IM

However, a DNS DOES NOT.
Provide any level of anonymity (!!!)
Serve as a replacement for IP Addresses

So that's the very basics of a DNS. How does it work?

There are 3 main stages involved in the functioning of a DNS, starting from the first to the final destination, it looks a little like this:

Your computer asks for an address to <http://example.com>

You reach the DNS server and it tries to find the IP that the DNS belongs to. Should the first DNS server not find it it moves onto the next one and so forth until it (hopefully) finds the IP. This is also cached for x amount of time to speed up the process for future visitors.

The DNS server responds to you and sends back the IP, e.g. 216.58.214.3 (google.co.uk). Your machine then connects to that IP.

What place this has in the RAtIng community

The part of a DNS that is relevant in this scenario is using a DDNS, or Dynamic Domain Name Service, if you ask me it's a core tool that you should utilize properly. Not all IPs are static, and quite often they change regardless of if you're using a VPN or not. So below are some suggestions of some DNS' that I personally recommend, as well as some which you should never use.

The difference between DNS and DDNS is that an IP will automatically update in real-time, giving you fallback whenever the IP changes, your clients will redirect to the new IP, since they actually try to connect to yourdns.dns.com instead of an IP.

DNS examples I have tested and / or recommend:

DNS' listed here I have either used and recommend to others or I know are trust worthy and recommend to others.

NameCheap's FreeDNS service

<https://www.namecheap.com/domains/freedns.aspx>

- Offers free DNS services
- Uses a dedicated client
- Requires domain

NameCheap domain

<https://www.namecheap.com/>

- Offers free DNS services
- Uses a dedicated client (optional)
- Requires you to buy a NameCheap domain - typically \$0.99

NameCheap premiumDNS

<https://www.namecheap.com/security/premiumdns.aspx/>

- Offers premiumDNS services at ~\$5/year
- Uses a dedicated client (optional)

Armada's Secure DNS Service

<https://hackforums.net/showthread.php?tid=4995393>

- Offers a paid service
- Trustworthy
- Reliable

DNS examples I have not tested personally:

DNS' listed here I have NOT used but look fine to use.

<https://www.changeip.com/>

- Offers freeDNS service

DNSDynamic

<https://www.dnsdynamic.org/>

- Offers freeDNS service

DNS' you should never use:

DNS' listed here you should not use under any circumstances.

<http://www.noip.com>

- Owned by Microsoft and in collaboration with SpamHaus. These guys will shut you down.

- DO NOT USE.

FreeDNS

<https://freedns.afraid.org>

- Working with SpamHaus, actively block malicious domains.

XName

<http://www.xname.org>

- Working with SpamHaus, actively block malicious domains.

DuckDNS

<https://www.duckdns.org/about.jsp>

- Working with SpamHaus, actively block malicious domains.

DynuDNS

<https://www.dynu.com>

- Actively block malicious use

Will add more DNS to each category as I see fit.

How to setup your DNS?

The process for setting up a DNS varies very little from service to service. Should you need help setting one up Purple Kief's Mega-thread has an indepth guide on doing so:

<https://hackforums.net/showthread.php?tid=5327327>

If you need any extra help please PM me for support.

TheChi?f - January 27, 2017, 11:22 am

Seems like a pretty helpful thread for beginners to know about DNS and its use in RATs. ?

Purple Kief - January 27, 2017, 11:29 am

That's a very informative and well laid out thread.

Thank you homie. :)

Armada - January 27, 2017, 11:53 am

Very well written thread man.

THanks for the recommendation as well. :-D

GammaDune - January 27, 2017, 12:10 pm

This is an awesome guide I've been in the market for a new DNS. How do you host a domain on the free DNS offered by Namecheap?

bzr? - January 27, 2017, 12:41 pm

(Jan 27, 2017 12:22 PM)TheChi?f Wrote: [\[CITE\]](#) Seems like a pretty helpful thread for beginners to know about DNS and its use in RATs. ?

(Jan 27, 2017 12:29 PM)Purple Kief Wrote: [\[CITE\]](#) That's a very informative and well laid out thread. Thank you homie. :)

(Jan 27, 2017 12:53 PM)Armada Wrote: [\[CITE\]](#) Very well written thread man.

THanks for the recommendation as well. :-DThanks guys appreciate it

(Jan 27, 2017 01:10 PM)GammaDune Wrote: [\[CITE\]](#) This is an awesome guide I've been in the market for a new DNS. How do you host a domain on the free DNS offered by Namecheap? You don't host a domain. You buy one from them and name cheap has a built-in in set of tools on there site that allow you to set it up as a DNS service

anonymous120 - January 27, 2017, 2:29 pm

Great thread vouch for you.

VirtualMon3y - January 28, 2017, 10:51 am

Nice informative thread buddy. ?

bzr? - January 29, 2017, 2:27 pm

(Jan 27, 2017 03:29 PM)anonymous120 Wrote: [\[CITE\]](#) Great thread vouch for you.

(Jan 28, 2017 11:51 AM)UKninja Wrote: [\[CITE\]](#) Nice informative thread buddy. ?

Thanks guys :) Noticed a few adjustments /additions I can make and will add them soon.

Know a DNS I can add to this list? Let me know.

Ace of Knaves - February 1, 2017, 5:17 am

This is absolutely brilliant. Thanks mate - appreciate this a ton. I'll go ahead and close my NO-IP tabs lol. I swear they were the ones to use when I last RAT'd but that was 5 years ago

RastaManKing - February 6, 2017, 2:17 pm

Very useful, thank you ?

TheChi?f - February 10, 2017, 5:01 am

Just bumping this up for users to make use of this :)

kevy42 - February 20, 2017, 6:28 am

soo in other words.. dynudns is safe to use, dosnt honeypot?

bzr? - February 20, 2017, 6:32 am

(Feb 20, 2017 07:28 AM)WeedmasterOG Wrote: [\[CITE\]](#) soo in other words.. dynudns is safe to use, dosnt honeypot?

As of right now, yes. Obviously the safest option will always be to do it yourself though

kevy42 - February 20, 2017, 6:38 am

(Feb 20, 2017 07:32 AM)bzrk Wrote: [\[CITE\]](#) As of right now, yes. Obviously the safest option will always be to do it yourself though
u mean like namecheap?

NoahTheDude - February 20, 2017, 6:43 am

Good written thread, i think tons of people will use this information.

bzr? - February 20, 2017, 7:02 am

(Feb 20, 2017 07:38 AM)WeedmasterOG Wrote: [\[CITE\]](#) u mean like namecheap?Yeah that's correct.

(Feb 20, 2017 07:43 AM)NoahTheDude Wrote: [\[CITE\]](#) Good written thread, i think tons of people will use this information.

Thanks for the feedback.

kevy42 - February 20, 2017, 8:00 am

lol i though namecheap suspended/logged/hopeypotted, guess not than

asspecter7 - February 20, 2017, 5:39 pm

are there any Offshore DNS hosts ?

Armada - February 21, 2017, 4:36 am

(Feb 20, 2017 06:39 PM)asspecter7 Wrote: [\[CITE\]](#) are there any Offshore DNS hosts ?

Majority of DNS recommendations are done through the domain level, however some services such as mine do run their own actual DNS servers. Mine for example are considered offshore. Can't honestly speak for others, not sure where the servers would be located.

ACESLIMZ - February 25, 2017, 9:44 am

Vouch i personally like Dynu IP cilent layout which i am using right now, thanks OP for going on my fourm and telling me before i would of done something stupid i appreciate it!

bzr? - February 25, 2017, 9:48 am

(Feb 25, 2017 10:44 AM)N1GHTM4RE Wrote: [\[CITE\]](#) Vouch i personally like Dynu IP cilent layout which i am using right now, thanks OP for going on my fourm and telling me before i would of done something stupid i appreciate it!

Glad you found the info useful :)

WeeZick - February 25, 2017, 10:25 am

Great guide dude! Very useful for people who are new to this.

Alonzo - March 9, 2017, 6:58 am

+rep i find this really useful

asspecter7 - March 22, 2017, 9:01 am

(Feb 21, 2017 05:36 AM)Armada Wrote: [\[CITE\]](#) Majority of DNS recommendations are done through the domain level, however some services such as mine do run their own actual DNS servers. Mine for example are considered offshore. Can't honestly speak for others, not sure where the servers would be located.

can i pm you armada ?

(.)_(.) - March 22, 2017, 12:21 pm

.to domain buy and with ABUSE easy DNS change! That's the best way ?

Zach_Farlow - March 22, 2017, 12:23 pm

Thanks op this i will be using right now cause i really need it

(.)_(.) - March 22, 2017, 12:30 pm

(Mar 22, 2017 12:23 PM)Zach_Farlow Wrote: [\[CITE\]](#) Thanks op this i will be using right now cause i really need it

Domain -> Tonic.to

DNS Free -> Blazingfast.io

robwilliams464 - March 25, 2017, 1:08 pm

Good article. Simple and complete. Thank you

Leonfluf - April 7, 2017, 7:43 am

Do I understand it right?

When i use a DNS the clients will also connect when my ip change?

Pls DM me when im right/wrong.

Have nice day,
Leonfluf

NurSpec - April 7, 2017, 7:44 am

That was actually a very interesting and informative read. Thanks for sharing your knowledge OP!

Purple Kief - April 8, 2017, 2:34 am

(Apr 7, 2017 07:44 AM)NurSpec Wrote: [\[CITE\]](#) That was actually a very interesting and informative read. Thanks for sharing your knowledge OP!

Most things coming from BzR are interesting and informative.

Keep it up. ?

bzr? - April 8, 2017, 6:42 am

(Apr 7, 2017 07:44 AM)NurSpec Wrote: [\[CITE\]](#) That was actually a very interesting and informative read. Thanks for sharing your knowledge OP!

Cheers, glad you found it informative :)

(Apr 8, 2017 02:34 AM)Purple Kief Wrote: [\[CITE\]](#) Most things coming from BzR are interesting and informative.

Keep it up. ?

Appreciate the kind words Kief :)

sprite77 - June 5, 2017, 11:12 pm

Seems like a pretty helpful thread for beginners to know about DNS
thanks about ur info bro