

Forum:[Hack Forums](#)

Thread: [Understanding the point of using DNS \[TUTORIAL\]](#)

xVulnerable - August 29, 2014, 12:24 am

I've noticed that lots of beginners have no idea why they use a DNS. There are lots of 'RAT Setup Tutorials' but none actually explain why you should use a DNS like <http://www.duckdns.org/>. In this tutorial I will explain the whole reason so people will know what they are doing.

What is a DNS?

A DNS is an internet service that translates domain names into IP addresses.
An example of a DNS is: xvulnerable.ddns.net

When you build a server, you should technically enter your IP address instead of your DNS. For this example let's take 1.0.0.1 as your IP.

When a client runs your server, the server will connect to 1.0.0.1, a connection appears on your RAT.

Server.exe --> 1.0.0.1 --> Valid IP Address --> Connection Established

This is where the problems comes, routers with a dynamic IP address will change your IP every time they are restarted. So your current IP is no longer 1.0.0.1 as it now changed to 1.0.0.2. However, the server being run on your client is still connecting to your old IP which is 1.0.0.1 therefore there will be no connection due to having an invalid IP.

Server.exe --> 1.0.0.1 --> Invalid IP Address --> Connection Failed

This is where DNS comes in handy, instead of having your server connect to your IP, you will first make it to connect with your DNS, ex: mydns.dns.com and you will set your DNS to translate to your current IP address which is 1.0.0.2.

Server.exe --> mydns.dns.com --> 1.0.0.2 --> Valid IP Address --> Connection Established

I'm using a DNS and I changed my IP, what do I do?

Easy, just change the IP your DNS translates to your current IP. This can be done from your DNS provider's website.

Hopefully you have now learned what you use a DNS for, don't forget to leave feedback!

The Last of Us - August 29, 2014, 12:44 am

Really nice tutorial!

Helped me alot!

F16™ - August 29, 2014, 1:44 am

Nice Tut

but some time DNS not working.

s1zz - August 30, 2014, 1:58 pm

Thanks for the tutorial dude ! keep it up

Mons - August 30, 2014, 2:01 pm

This is pretty obvious, if you ask me.

Juggernaut - August 30, 2014, 2:14 pm

noip.com is a dyndns provider (Dynamic Domain Name Service). Also, you make it look like a Domain name is something else then what it is. A domain name is an alias that points to a ip. I suggest you read up a bit on the DNS. Otherwise, a good "info-tutorial".

Federal Agent - August 30, 2014, 3:04 pm

Hq tut thanks for Sharing This Amazing detail

Dexter - August 30, 2014, 4:45 pm

(Aug 30, 2014 02:01 PM)Mons Wrote: [\[CITE\]](#) This is pretty obvious, if you ask me. This, it's like saying Water is drinkable and soda is also drinkable.

Nah, at least you take time to explain, which is nice.

xVulnerable - August 30, 2014, 8:48 pm

(Aug 30, 2014 04:45 PM)Dexter Wrote: [\[CITE\]](#) This, it's like saying Water is drinkable and soda is also drinkable.

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It may be obvious to you, but i'm sure 99% of people that I did RAT setups for have no clue.

Bulbasaurz - September 1, 2014, 6:36 pm

So correct me if I'm wrong here, but if i didn't want to use a noip account. I could use a VPN and port forward with my VPN and not my router?

sorry I'm kinda new to this.

SIM-2053312 - September 1, 2014, 9:06 pm

By the way, on the post it says "why you should use noip" but you actually shouldn't!" Owned by microsoft... Wouldn't take a chance.

(Sep 1, 2014 06:36 PM)Bulbasaurz Wrote: [\[CITE\]](#) So correct me if I'm wrong here, but if i didn't want to use a noip account. I could use a VPN and port forward with my VPN and not my router? sorry I'm kinda new to this.

You need a DNS server whether you're going to be portforwarding from a VPN or your router.

Yes, buy a no logs VPN with open port forwarding (preferably nVPN) and you can port forward from the VPN and not having to do a thing to your router. But you will have to connect to the VPN in order to use your RAT. Plus portforwarding from VPN is always recommended, I'd never use my router since it's easy to reverse engineer a RAT to the owner's IP. So always use a VPN not a router, it's your choice still and everything, not trying to force you to do stuff.

michael1947 - September 4, 2014, 5:36 am

ok thanks now it becomes a bit clearer Michael 1947

iKick - September 4, 2014, 8:26 am

(Aug 30, 2014 08:48 PM)xVulnerable Wrote: [\[CITE\]](#) It may be obvious to you, but i'm sure 99% of people that I did RAT setups for have no clue.

I can confirm this.

Spoiler ([Click to View](#))Notenoughcharacters

xVulnerable - July 7, 2015, 5:00 am

Putting this back up as I'm sure beginners will find it usefull.

Armada - July 7, 2015, 5:15 am

(Jul 7, 2015 05:00 AM)xVulnerable Wrote: [\[CITE\]](#) Putting this back up as I'm sure beginners will find it usefull.

Super helpful tutorial man, but suggest changing the recommendation from no-ip.com to DuckDNS or another, No-IP is absolutely compliant with US law now and will hand over users information without question.

<http://www.noip.com/legal/tos>

#7 in specific.

Thanks for the read. ?

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Thanks for the read. ?

Made this almost a year ago, edited :)

lokiju - February 22, 2016, 12:31 pm

What you should know explained in very few words, a nice tutorial ! :)

Armada - February 22, 2016, 12:42 pm

(Jul 7, 2015 05:16 AM)xVulnerable Wrote: [\[CITE\]](#) Made this almost a year ago, edited :)
DuckDNS needs to be replaced with FAGDns, Duck uses honeypots now. ?

Goods - February 22, 2016, 2:47 pm

Wow this is some good information to know never even thought about this. Good shit man

DingusMonster - February 23, 2016, 4:10 am

Nice tutorial for all the new coming ratters!

Frenzied - February 23, 2016, 4:17 am

Nice tutorial. Was also wondering if it's safe to use your own ip as another reason why you should use a DNS.

Also, can DNS's be resolved to your ip, if so, can a victim of a rat see what ip has infected him?
Thanks.

xVulnerable - February 23, 2016, 10:25 am

(Feb 23, 2016 05:17 AM)Frenzied Wrote: [\[CITE\]](#) Nice tutorial. Was also wondering if it's safe to use your own ip as another reason why you should use a DNS.

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Thanks.

Yes it's the same thing. <https://hackforums.net/showthread.php?tid=3717452>

cogama - February 23, 2016, 10:37 am

Short sweet and made very simple for me, this is exactly what I needed and I really appreciate this!! Keep up the good work mate, I like your HQ posts like these very much!!!

Cheers!

eHate - March 13, 2016, 8:06 pm

Excellent and very educational. I was one of those dumb dumbs who didn't really know what the DNS did but knew I needed it.

Well written tutorial!

raghavsood999 - April 19, 2017, 6:44 am

The dns dont work because you must use the update tool provided by them to update the service binded to your ISP.

If you make a dns hostname. You have to update that within your ISP using no-ip DUC 3.0 tool. Similary there is a tool for dyndns and nvpn to update your service to your ISP.

I hope this helps. You have to select the desired hostname which will allow you to input your hostname instead of your ip. Again the no - ip service needs to know your network in order for your hostname to mask your original ip address. To do that you need that tool provided by no ip to update the network dns records. However, note that there is an expiry on free dns address from no ip. 30 Days till you renew. So you must buy one or just use free one like afraid dns or duckdns.

I used no ip but now i use vpn. They give dedicated ip. I use their update tool to update my network. If i dont my network dont know if the vpn exitsts. Its like a ip tunnel. The vpn helps cover your network and secure it but it needs to be updated on your network

Armada - April 19, 2017, 6:59 am

(Apr 19, 2017 06:44 AM)raghavsood999 Wrote: [\[CITE\]](#) The dns dont work because you must use the update tool provided by them to update the service binded to your ISP.

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Did you seriously dig this thread up?

The OP is way out of date, and so is your advice.

No-IP DUC? Really?

Might as well phone Microsoft up and ask them for tech support for your RAT at that point too.

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(Apr 19, 2017 07:32 AM)xVulnerable Wrote: [\[CITE\]](#) Why exactly is the OP out of date?

Not the content itself, do not get me wrong, but the general threads content and recommendations such as No-IP etc...

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Well the only purpose of this thread is to show users how DNS is useful, not to recommend any dns services. Besides I didn't even mention no-ip. Not sure about duckdns though.

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Duck is even worse than No-IP, lol.. [Check this thread.](#)

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Thanks. I am glad it is appreciated.

mastermsi - *April 19, 2017, 3:00 pm*

That good tutorial I understood well although this I already had it clear. It will serve a lot to those who just get involved in this hacking