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Roadmap : DNS In Detail

NO	Screenshoot Progres
1.	<div><div>Task 1</div><div>Room progress (7%)</div><div>Task 1 ✓ What is DNS?</div><div>✓ Woop woopl Your answer is correct</div><div>What is DNS?</div><div>DNS (Domain Name System) provides a simple way for us to communicate with devices on the internet without remembering complex numbers. Much like every address for sending mail directly to it, every computer on the internet has its own unique address to communicate with it called an IP address. An IP address looks like 104.26.10.229, 4 sets of digits ranging from 0 - 255 separated by a period. When you want to visit a website, it's not exactly convenient to remember this complicated number that's where DNS can help. So instead of remembering 104.26.10.229, you can remember tryhackme.com instead.</div><div>Answer the questions below</div><div>What does DNS stand for?</div><div>Domain Name System</div><div>✓ Correct Answer</div><div>Focus period (1 of 2)</div><div>1 min</div><div>Up next: 5 min break</div></div>
2.	<div><div>Task 2</div><div>Room progress (35%)</div><div>characters or less. There is no limit to the number of subdomains you can create for your domain name.</div><div>✓ Woop woopl Your answer is correct</div><div>Answer the questions below</div><div>What is the maximum length of a subdomain?</div><div>63</div><div>✓ Correct Answer</div><div>Hint</div><div>Which of the following characters cannot be used in a subdomain (3 b _ -)?</div><div>-</div><div>✓ Correct Answer</div><div>What is the maximum length of a domain name?</div><div>253</div><div>✓ Correct Answer</div><div>What type of TLD is .co.uk?</div><div>ccTLD</div><div>✓ Correct Answer</div><div>Windows Taskbar</div></div>
3.	<div><div>Task 3</div><div>services.</div><div>✓ Woop woopl Your answer is correct</div><div>Answer the questions below</div><div>✓ Woop woopl Your answer is correct</div><div>What type of record would be used to advise where to send email?</div><div>MX</div><div>✓ Correct Answer</div><div>What type of record handles IPv6 addresses?</div><div>AAAA</div><div>✓ Correct Answer</div><div>Task 4 ○ Making A Request</div></div>

4.

Task 4

What field specifies how long a DNS record should be cached for?

TTL

What type of DNS Server is usually provided by your ISP?

recursive

What type of server holds all the records for a domain?

authoritative

✓ Woop woop! Your answer is correct

5.

Task 5

What is the CNAME of shop.website.thm?

shops.myshopify.com

What is the value of the TXT record of website.thm?

THM{7012BBA60997F35A9516C2E16D2944FF}

What is the numerical priority value for the MX record?

30

What is the IP address for the A record of www.website.thm?

10.10.10.10

Answer the questions below

✓ Correct Answer

? Hint

✓ Correct Answer

? Hint

✓ Correct Answer

? Hint

✓ Correct Answer

? Hint

DNS Type subdomain Send DNS Request

✓ Woop woop! Your answer is correct

```
Non-authoritative answer:
website.thm text =
"THM{7012BBA60997F35A9516C2E16D2944FF}"

user@thm:~$ nslookup --type=MX website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
website.thm mail exchanger = 30 alt4.aspmx.l.google.com

user@thm:~$ nslookup --type=A www.website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: www.website.thm
Address: 10.10.10.10

user@thm:~$ nslookup website.thm
```

6.

DNS in Detail

Learn how DNS works and how it helps you achieve your goals

Easy 45 min

Share your achievement Help

Options

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DNS in Detail - How the web works

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