Describe the DNS (Domain Name System) and Its Structure

> Tags: Domain Name System (DNS), Domain Name, Root Domain,

Domain Name

Sharing you site as an IP address (like 31.71.108.148) might not be a good idea, since it's **hard to remember** and **less attractive**.
To present your resource to the Internet audience, you need to obtain a **domain address** and **link your IP address** to it.

Domain Name System (DNS)

*has a hierarchical structure where at the top of the DNS hierarchy is the **root domain*** . The **child domain** of the root is called a **top-level domain**, and the **child domain of a top level domain** is called a **second level domain**.
DNS ExcaliDraw

to learn the owner of the domain you can go to "whois" service (like whois.az for local websites)

to learn the IP behind the domain, you can ping it:

```
ping www.google.com -c 1
```

To open command prompt

- click 🪟 +x and select "Windows PowerShell"