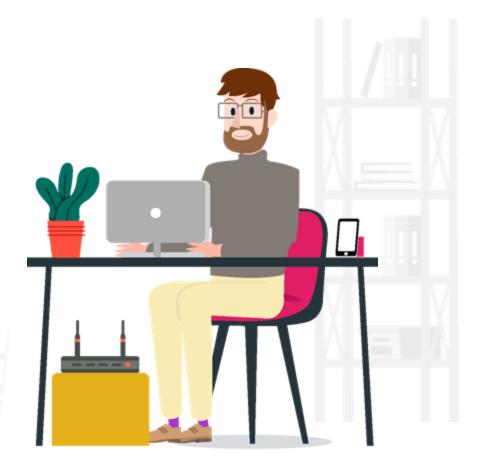
## How does INTERNET work? www.lacnic.net



**John,** an academic professional, is about to connect to the Internet from home to conduct research.



To access the Internet, John needs **a device,** such as a computer, that can connect to it.



Through an Internet connection, his device can **send and receive data**, allowing him to surf the web.





John has a device called a "router"that allows him to connect all his home devices, either through Ethernet cables or wirelessly.

These "routers" allow John to connect to the Internet through a **one-time connection or Internet subscription** from an Internet service provider (ISP).

\_ \_ \_ \_



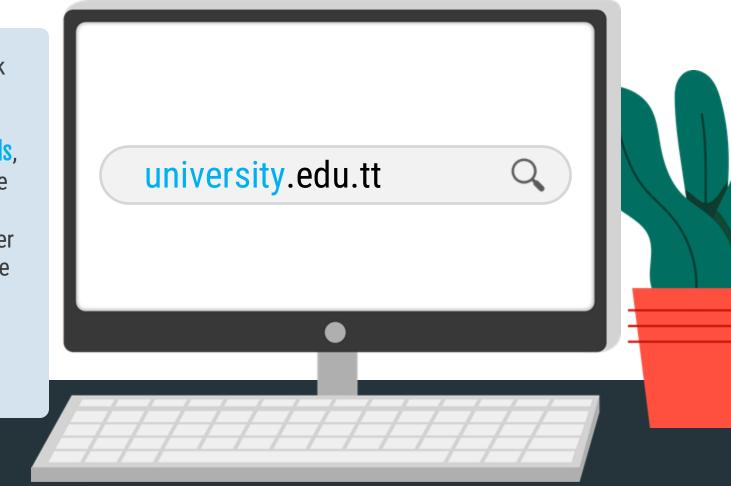
To access the Internet, the "**router**" must have a unique ID called an IP address. This ensures that the information John sends and receives can travel to and from him without confusing where it came from, or where it's going.

### John's **ISP** has provided him with this **IP address** (Internet Protocol).

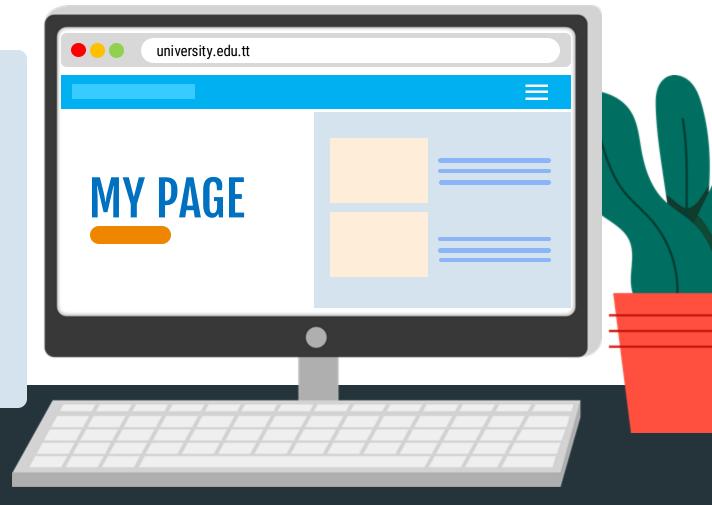
Similarly, John's computer and devices, like his cellphone, use his "router" to connect to the Internet via the Wifi signal at his home. When John is outside or at home without WiFi, his cellphone connects to the Internet through his **mobile provider's network**. This provider assigns him a unique IP address to access to the Internet. When John needs to find information, he opens his browser and types in the website's address, i.e. **its domain name**.

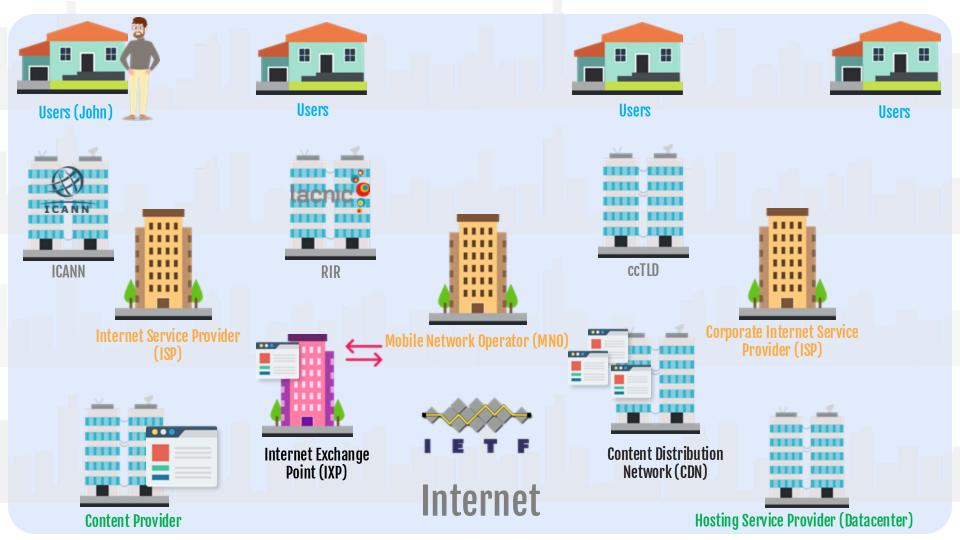
university.edu.tt

Domain names work like a phone book, **using easily rememberable words**, to help John find the IP address and location of the server hosting the webpage he is looking for.



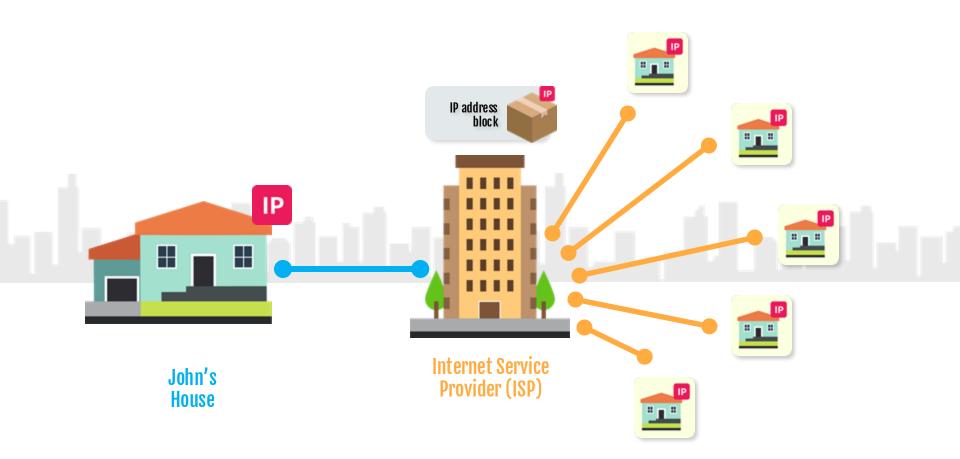
Once the server hosting the page is found via the domain, (which could be anywhere in the world), the content is downloaded to John's computer and viewed through his browser.

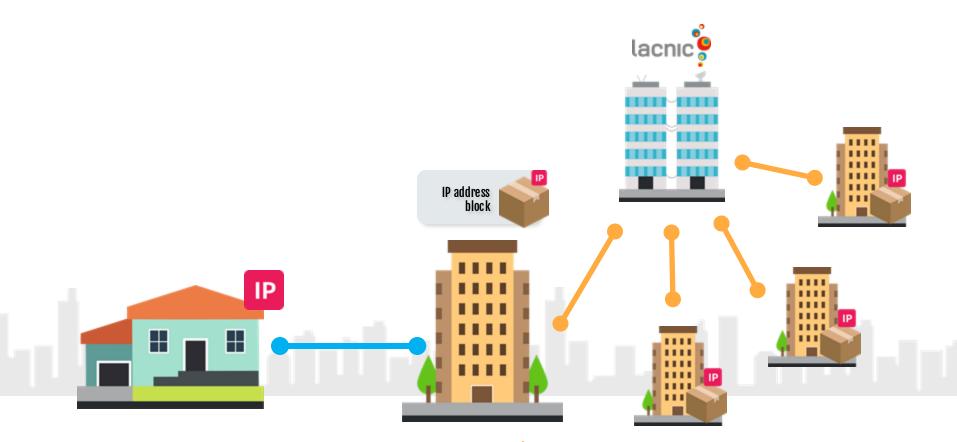




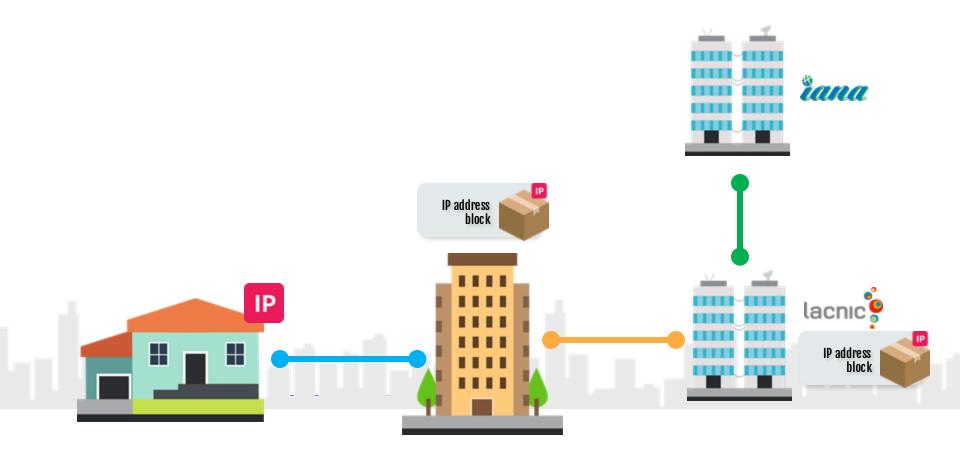


John's House Internet Service Provider (ISP)

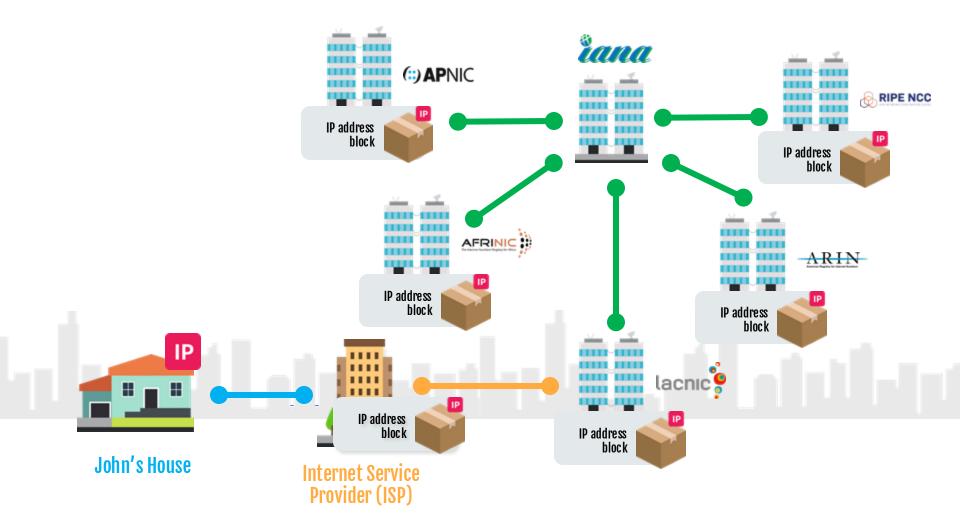


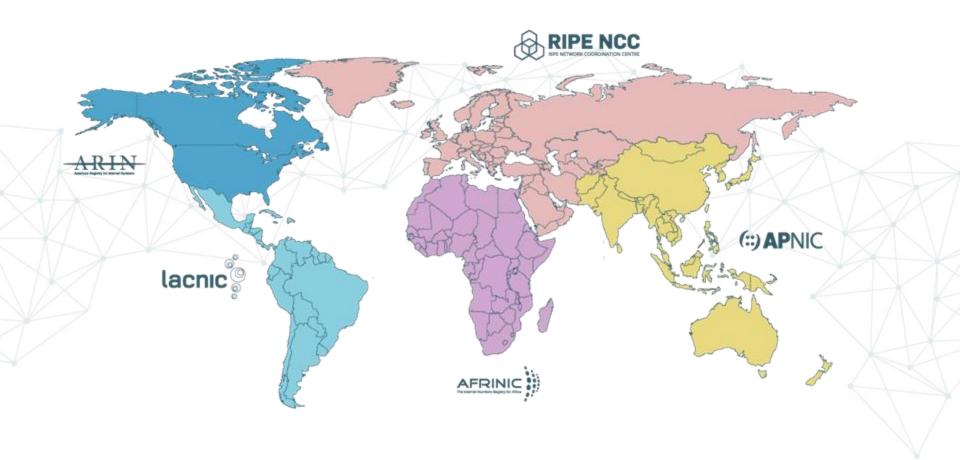


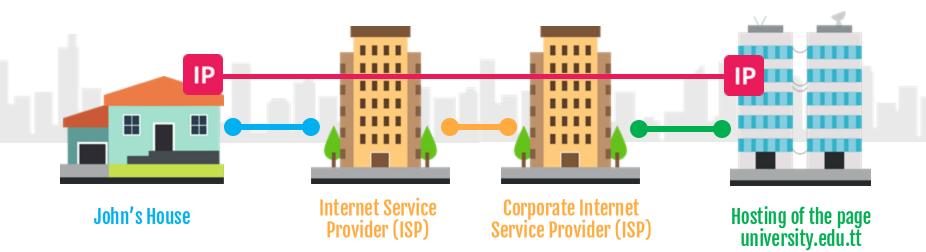
John's House Internet Service Provider (ISP)

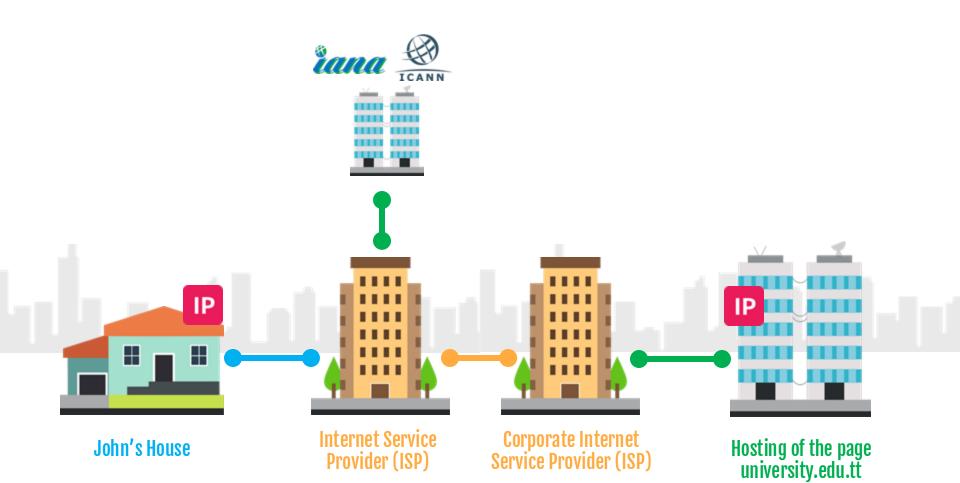


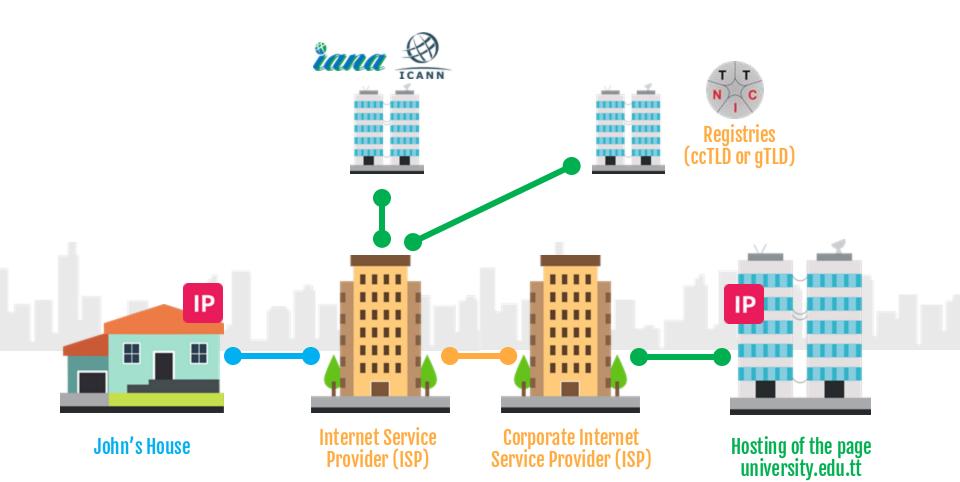
John's House Internet Service Provider (ISP)

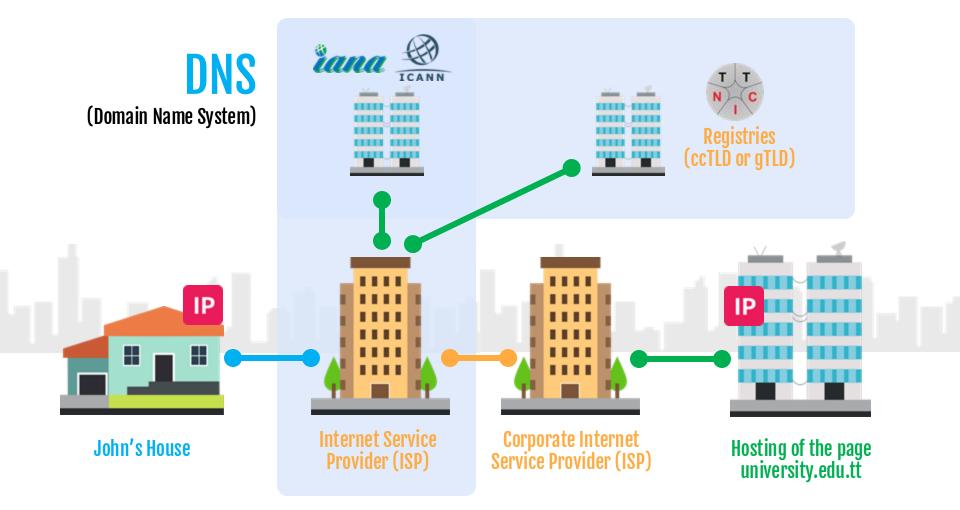






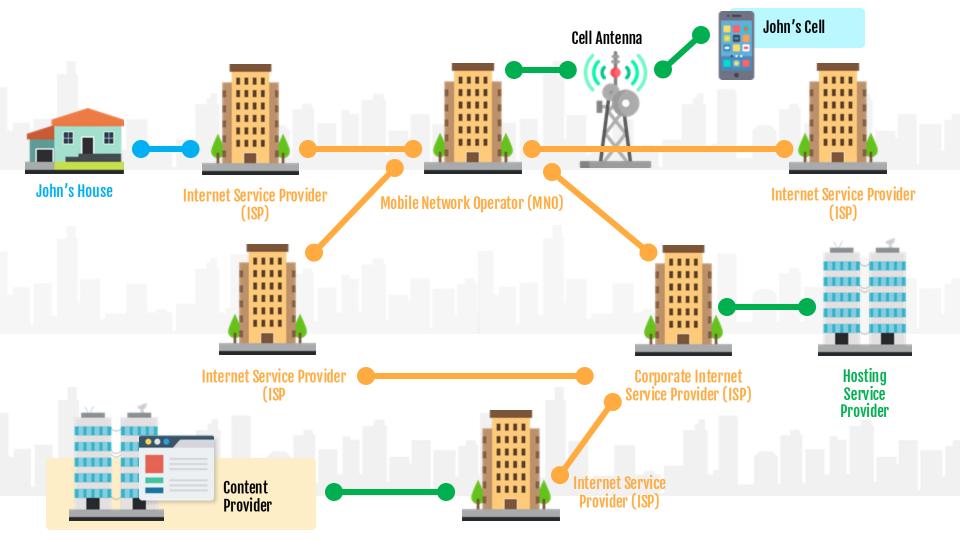


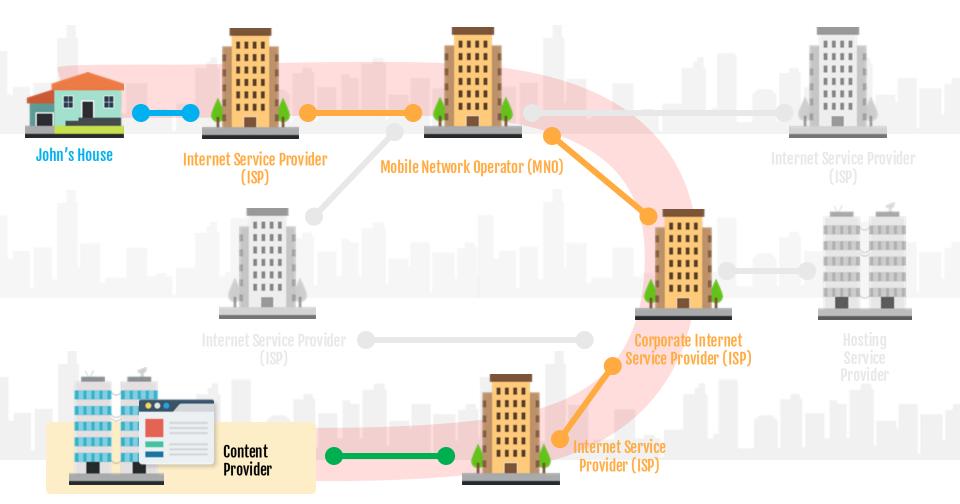


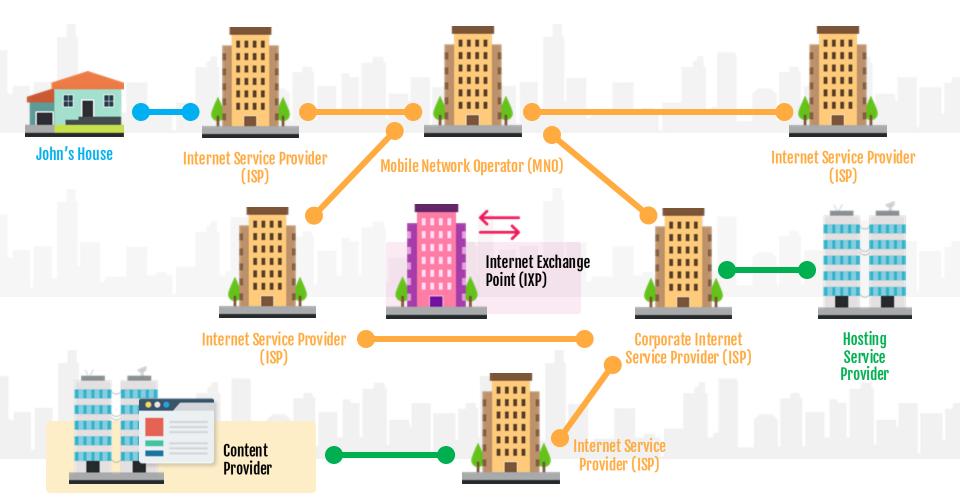


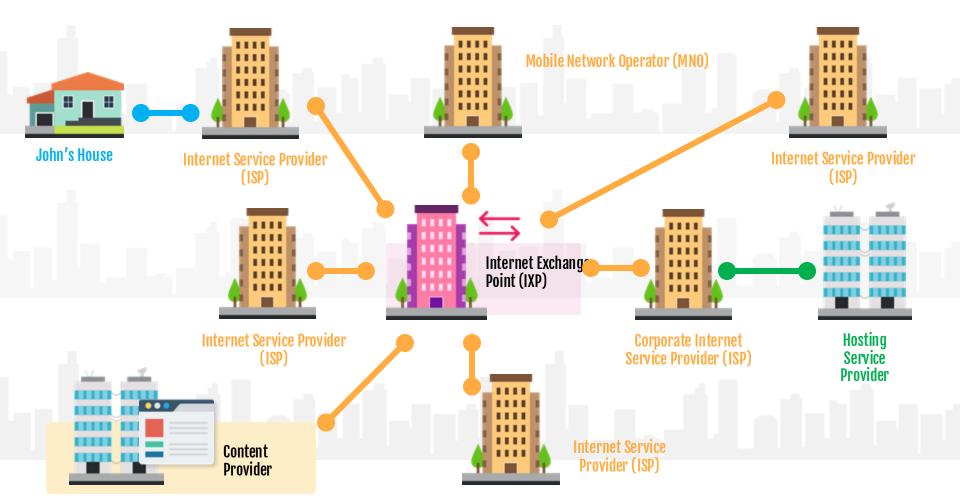
If John needs listen to sound clips or watch videos for his research, we will certainly find other players and services that ensure he can hear and see high-quality media.

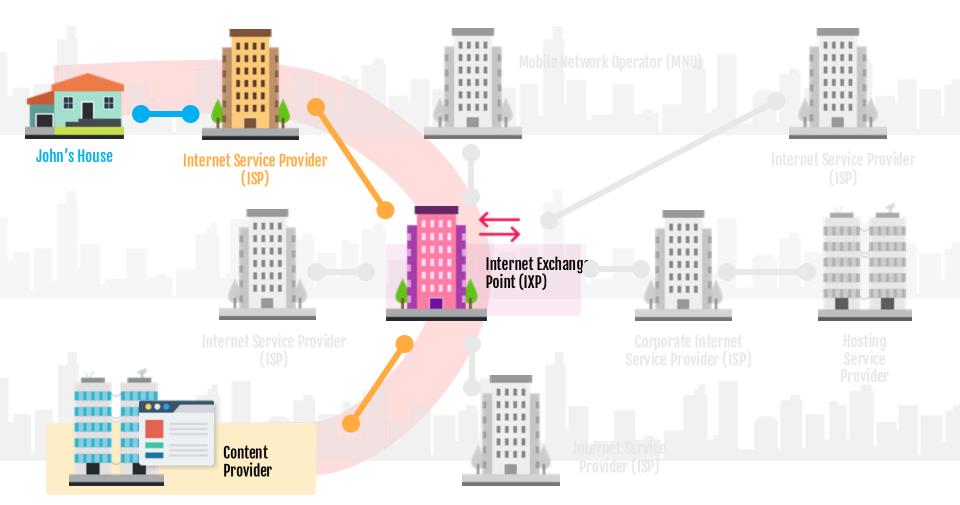
# https://redclara.net/ BE Building the Europe Link to Latin America and the Caribbean

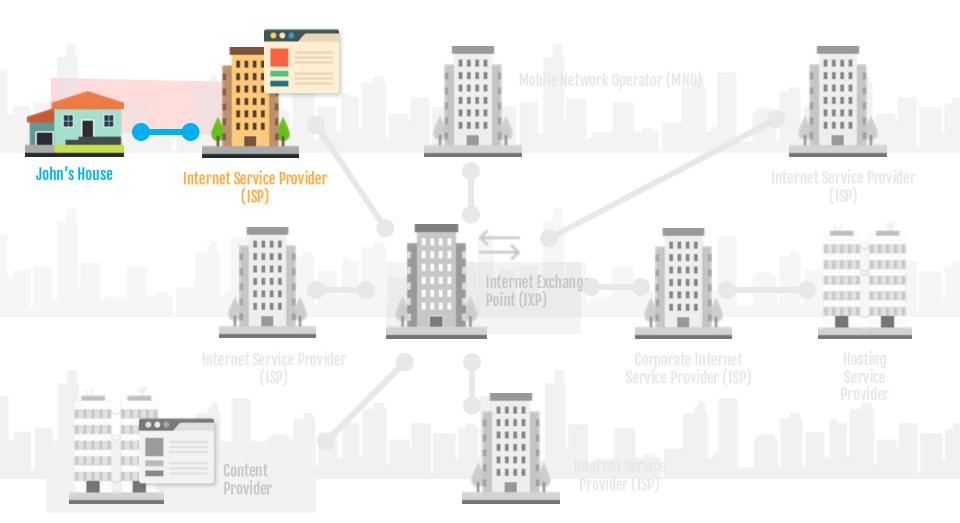


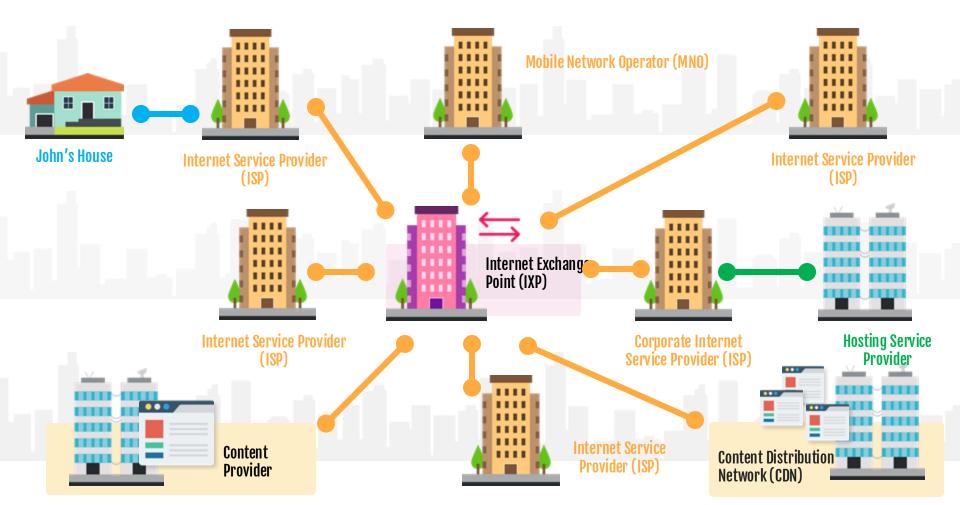


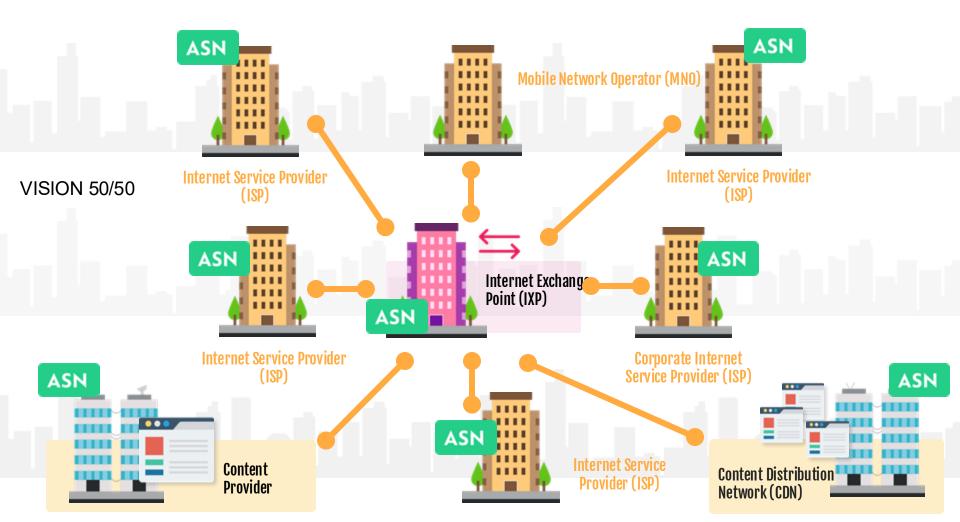




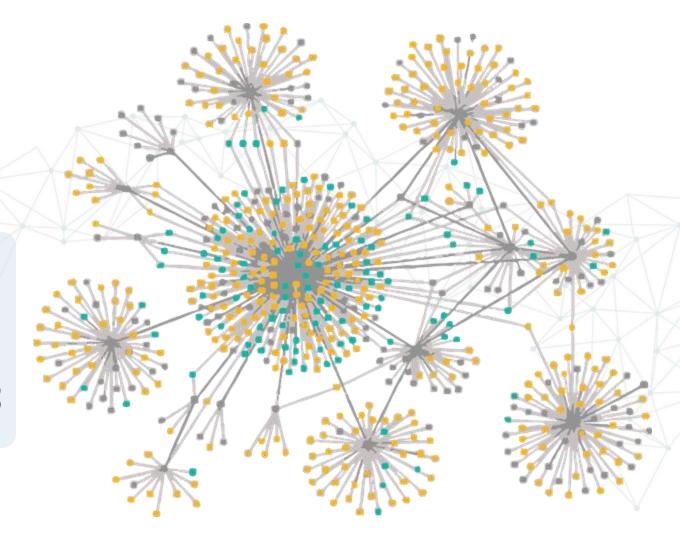




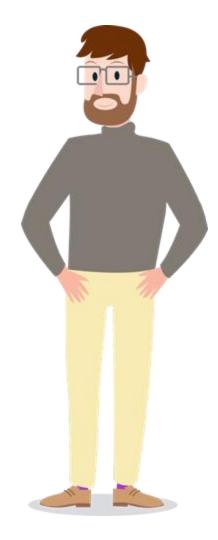


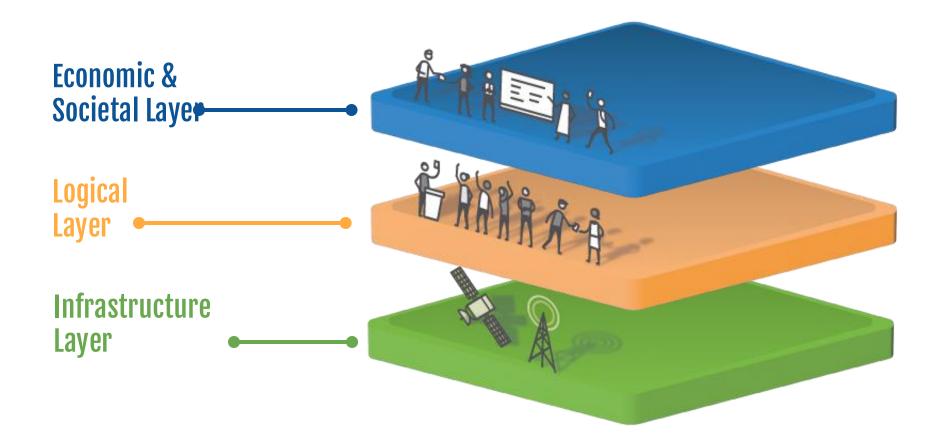


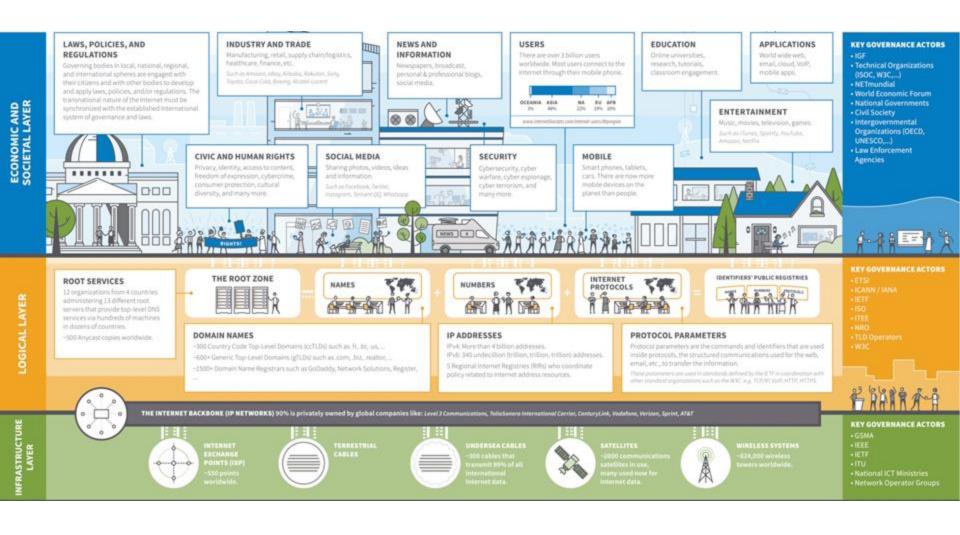
More than **90,000** Networks or ASes



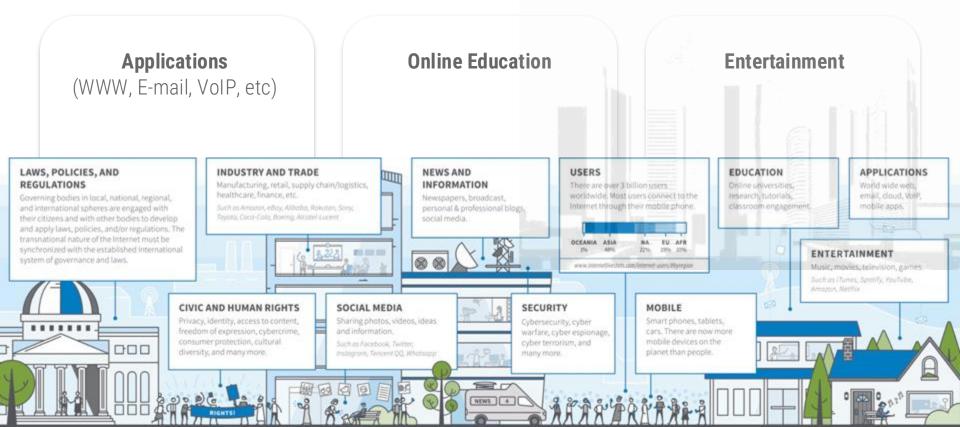
## Digital Governance Layers







#### **Economic & Societal Layer**



### Logical Layer



### Infrastructure Layer

