

## 6- Protocols

### Table of contents

- [protocols](#)
- [DNS](#)
- [DHCP](#)

---

## protocols

set of rules and messages that form an Internet standard.

**ARP** - Address Resolution Protocol  
**FTP** - File Transfer Protocol  
**SMTP** - Simple Mail Transfer Protocol  
**HTTP** - Hyper Text Transfer Protocol  
**SSL** - Secure Sockets Layer  
**TLS** - Transfer Layer Security  
**HTTPS** - HTTP secured with SSL/TLS

---

## DNS

- ! dns - Domain Name System

Every Host needs **four** items for internet connectivity

IP address	Host's Identity on the internet.
Subnet mask	Size of Host's network
Default Gateway	Router's IP address
DNS Server IP(s)	Translate domain names to IP's

---

## DHCP

- ! dhcp - Dynamic Host Configuration Protocol

DHCP Server provides IP/ SM/ DM/ DNS for clients

- Set of **rules** and **messages** that form an **Internet standard**

- **DNS** – Domain Name System
- **DHCP** – Dynamic Host Configuration Protocol
  - DHCP Server provides IP/SM/DG/DNS for Clients

