

*DNS

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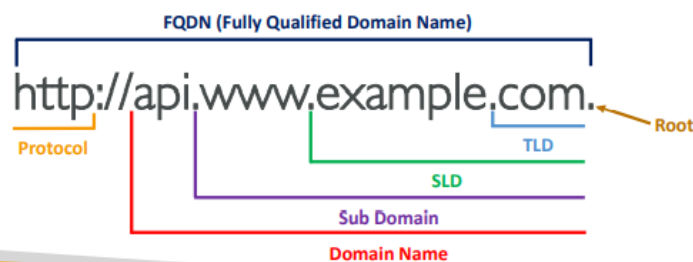
What is DNS?

- Domain Name System which translates the human friendly hostnames into the machine IP addresses
- `www.google.com` => `172.217.18.36`
- DNS is the backbone of the Internet
- DNS uses hierarchical naming structure

.com
example.com
www.example.com
api.example.com

DNS Terminologies

- **Domain Registrar:** Amazon Route 53, GoDaddy, ...
- **DNS Records:** A, AAAA, CNAME, NS, ...
- **Zone File:** contains DNS records
- **Name Server:** resolves DNS queries (Authoritative or Non-Authoritative)
- **Top Level Domain (TLD):** .com, .us, .in, .gov, .org, ...
- **Second Level Domain (SLD):** amazon.com, google.com, ...



How DNS Works

