IPv6 has no checksums cuz the transport layer provides them

When packet reaches DHCP server, it also retrieves DNS server IP and gateway IP

demuxedID, 4-way handshake

DNS works on top of UDP

ARP: get MAC address of router, turn into broadcast packet to be shown to everyone

BGP runs on TCP

Right to left when searching on DNS:

1. Root (.com)
2. Authoritative (google)
3. Google’s DNS (www)

How to skip this? Local cache, if not the ISP and so on

TLS: before HTTP request, when establish connection, secure and encrypt everything in a layer

Routing process done in SDN controller