**In class activity - Ch.2 (2.5 DNS)**

DNS – uses UDP at port#53

* Translates host-name to IP address
* Translates host-alias to mail server alias
* Helps with load distribution
* (Def.) = (1) hierarchical distributed DB + (2) application-layer protocol
  1. Root DNS
  2. TLD DNS
  3. Authoritative DNS
  4. Local DNS server
* Has Resource Records (RR)
  + Retrieve/insert records in DNS – internic.net has a list of registrars that do it for you

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Value** | **Type** | **TTL** |
|  |  | A |  |
|  |  | NS |  |
|  |  | CNAME |  |
|  |  | MX |  |