



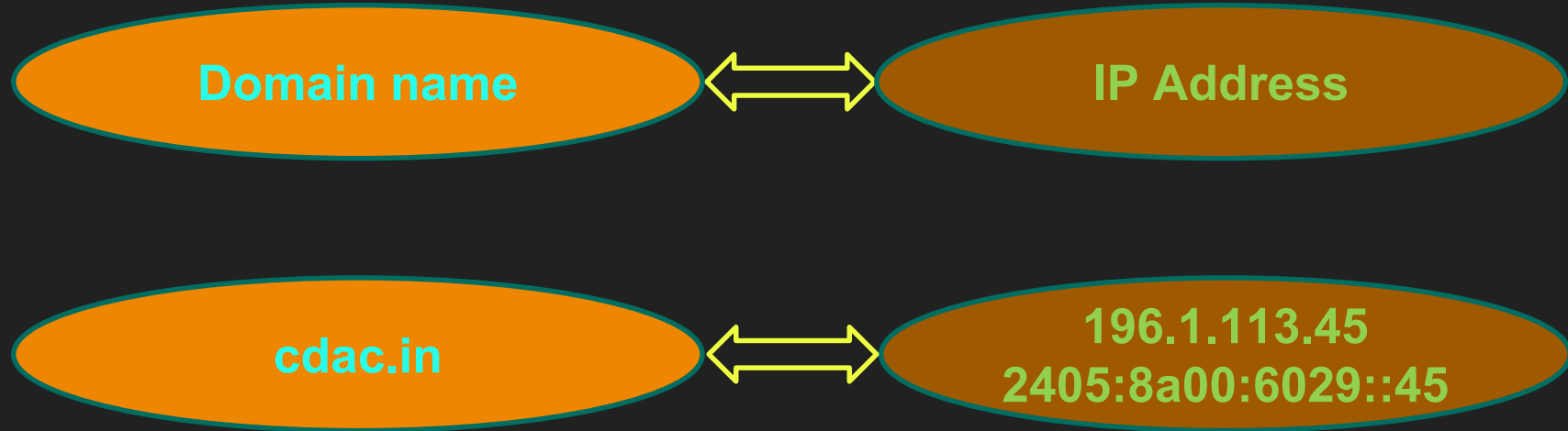
Ministry of Electronics
& Information Technology
Government of India



AWARENESS ON DNS ABUSE

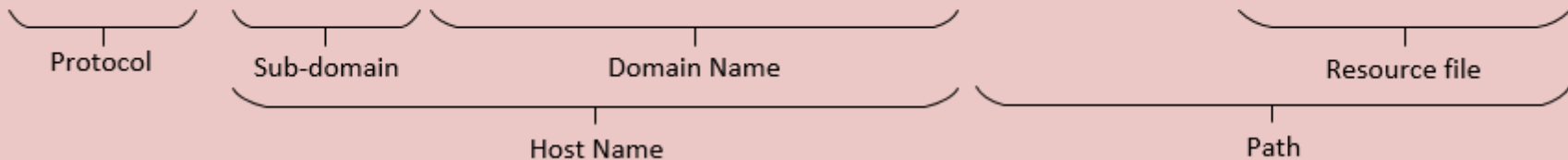
21st October 2022

Domain Name System (DNS)

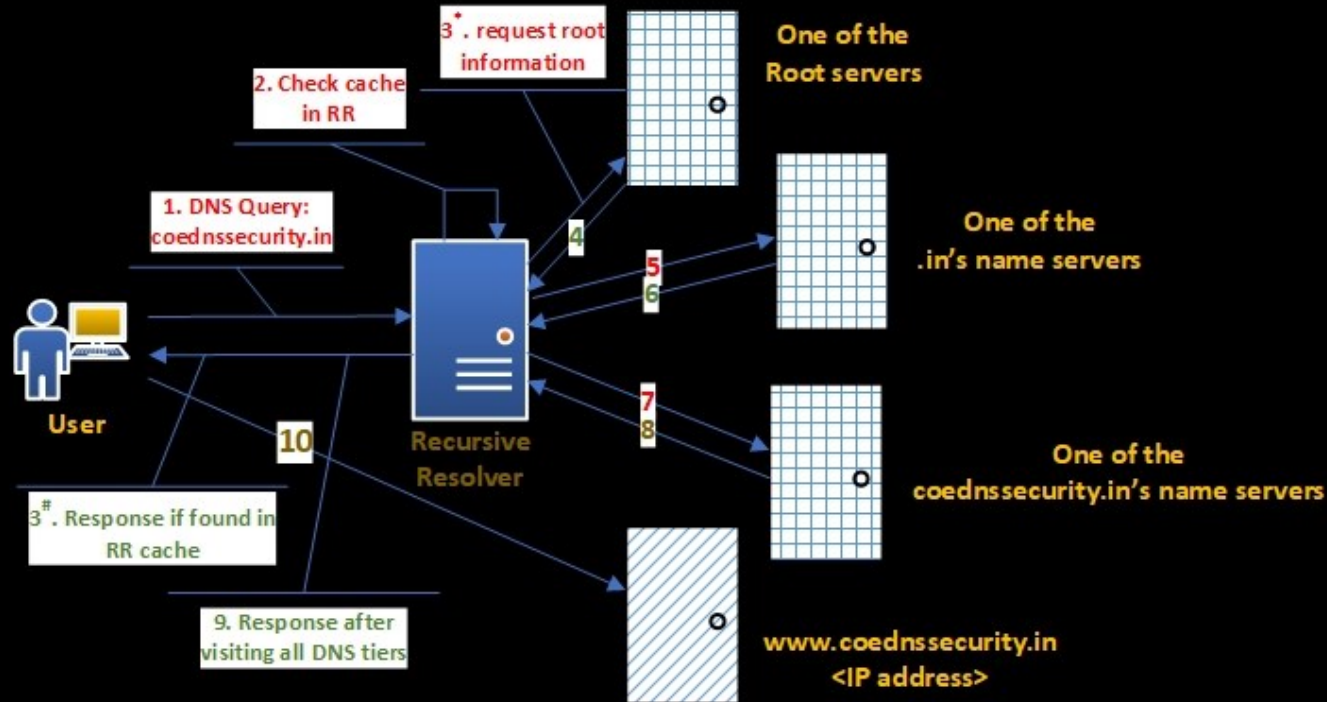


Domain Name

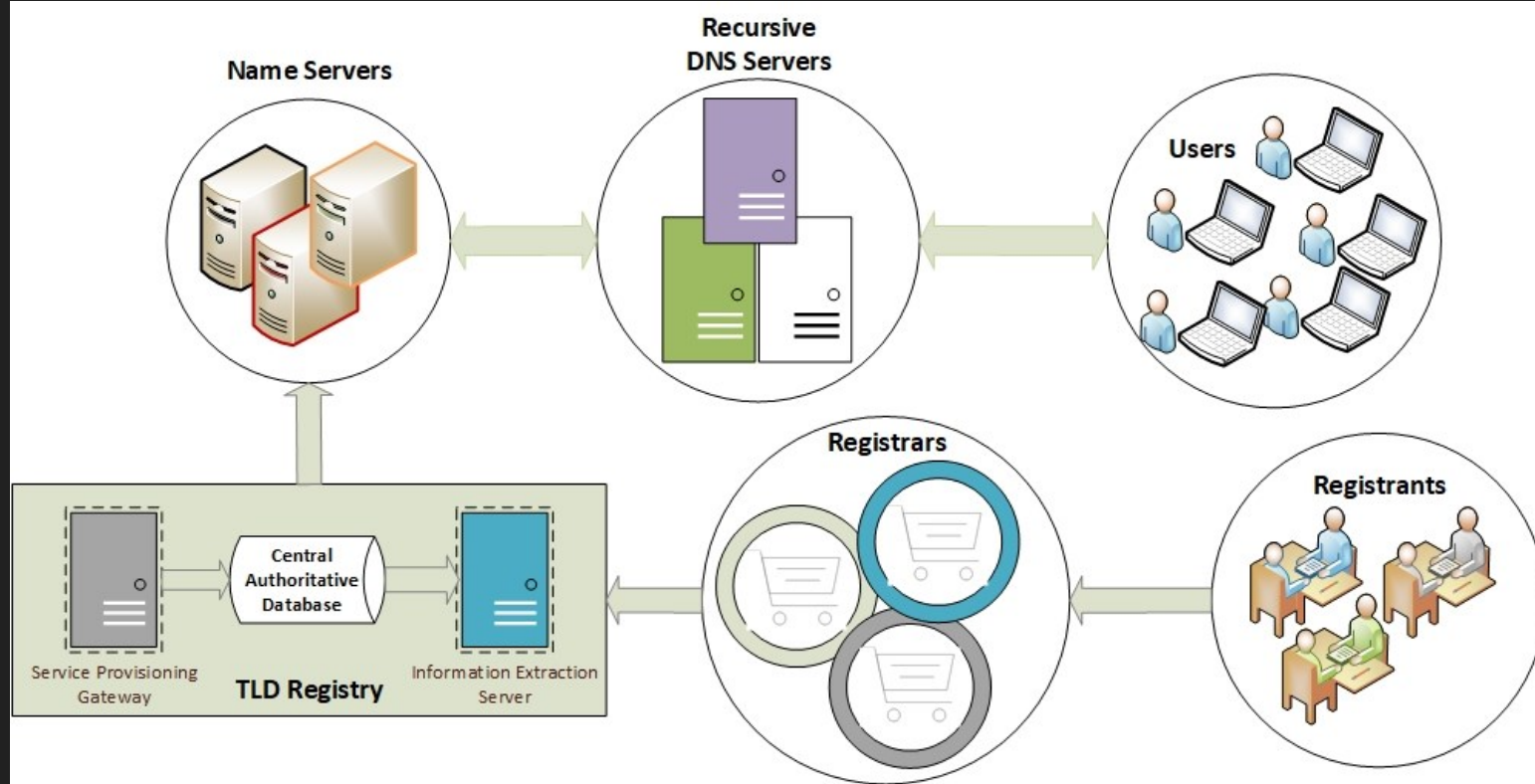
<https://www.coednssecurity.in/project/about.html>



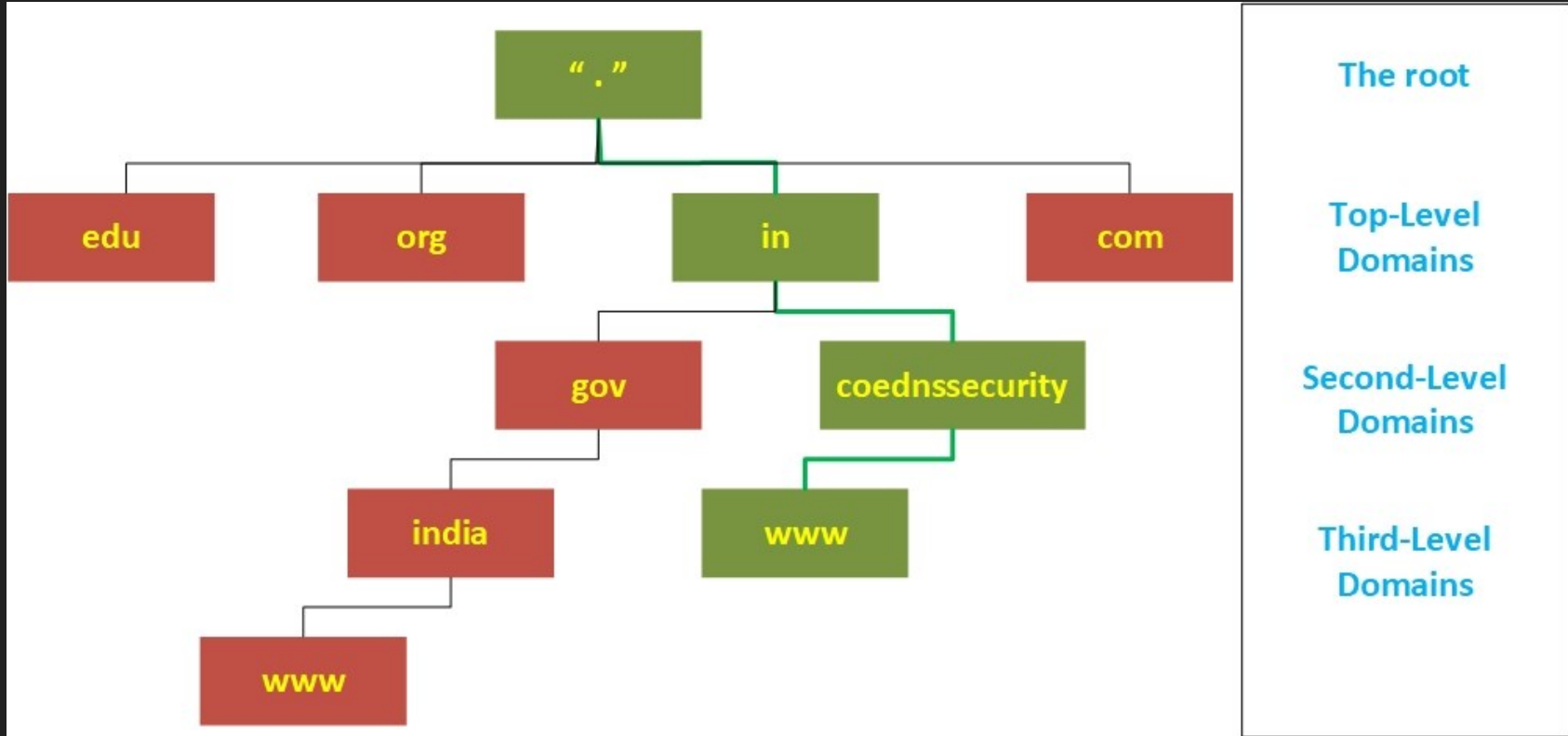
How DNS works (RFC-1035)



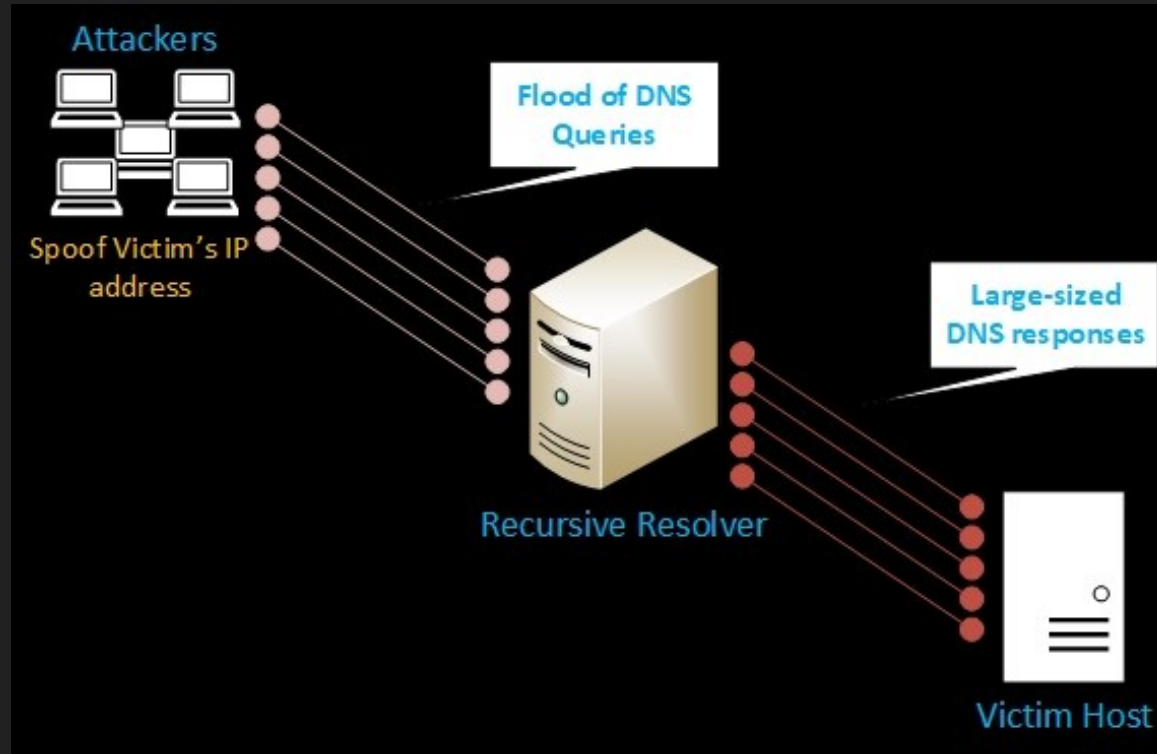
DNS Ecosystem Business Model

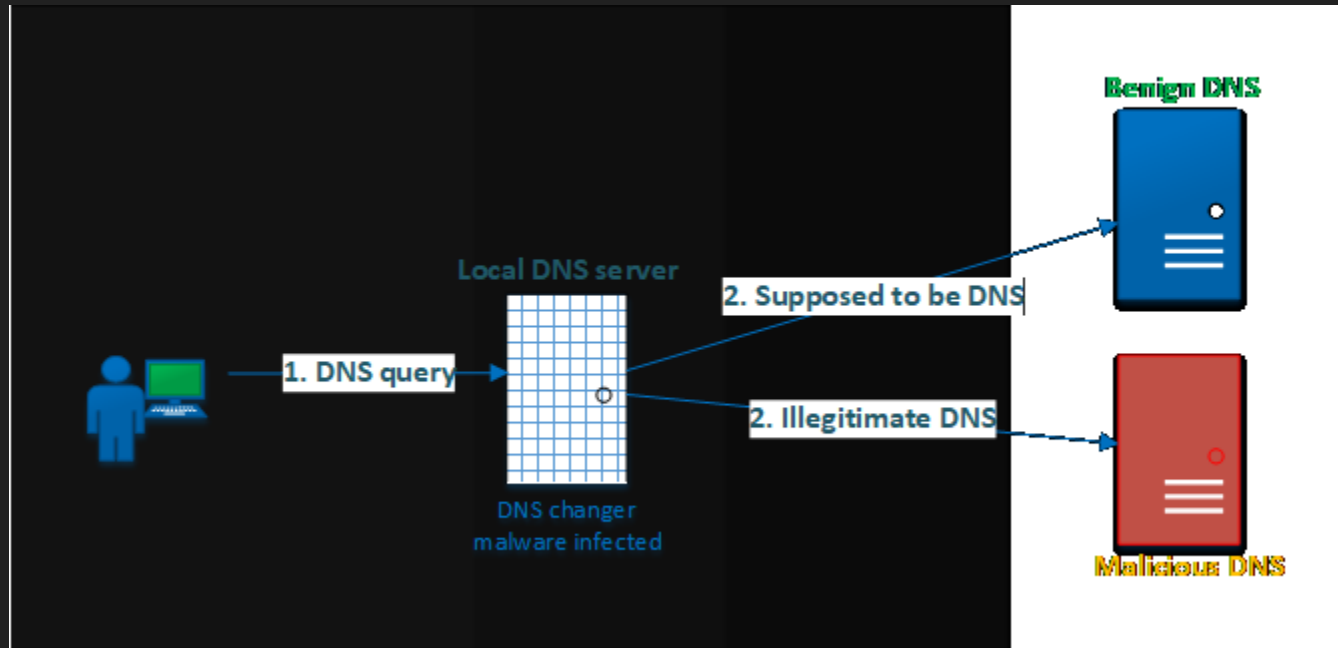


Domain Name hierarchy



DNS Amplification Attack



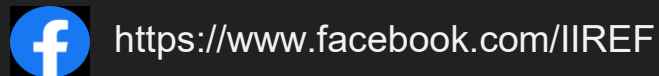


DNS Tunneling



- **Tools:** dns2tcp, Iodine, OzymanDNS, NSTX, psUDP, DnsCat, TUNS, DNScapy, squeeza, DeNISE, Heyoka
- **Mitigation:** DNS payload inspection, DNS Traffic Analysis, Host monitoring for tunneling software

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Thank You

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