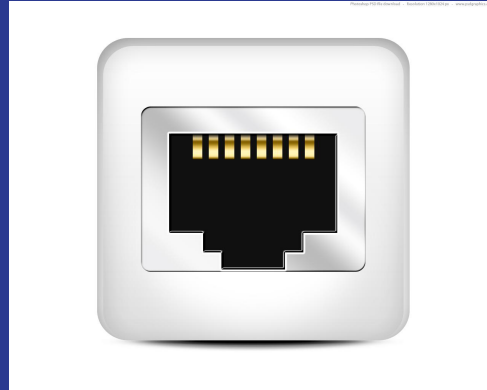


Mystical Hole Connecting to the Other Worlds

Sumeet Ranka & Aneesh Dash



Curious to know?

- 8AM - 5PM 🙄 Why such a crime, why?
- No SSH No SMTP
- Can't login at multiple devices!
- 🙄 Ahem! Do they keep our network access logs???
- Internet so slow 🙄
- How boring IP settings are :(Why static?
- CC people so slow! Lazy lads! Seriously???

Guys enough!!! Let's move to some sensible questions 😊



- Want a day proxy!
- Is Internet for fun and communication?
- How DC++ works?
- Is putting router at LAN a great idea?
- Is CC really so restrictive?



Basic Concepts

- Topology
- Components
- Packets
- Fibers



Lets start with everyone's favorite

INTERNET!!!



4 ISPs

- BSNL
- RailTel
- ERNET
- Airtel

Total bandwidth of

2 Gbps!!

Usage is generally below

1.3 Gbps!!



Why don't we use whole
bandwidth to speed up net ??

ERNET (Education and Research Network)

- ❖ An autonomous scientific society established to support research and education needs in the country, currently connects over 1300 institutions across the nation.
- ❖ It operates ERNET network – a pan-Indian terrestrial and satellite network with 15 points of presence at premier research and academic institutions.
- ❖ We are connected to the headquarters in New Delhi with a 8Mbps cable and we are the PoP for north-east India



Wiring in campus

- ★ Campus wide
- ★ Hostel
- ★ Departments
- ★ IITG WiFi
- ★ Faculty/Staff



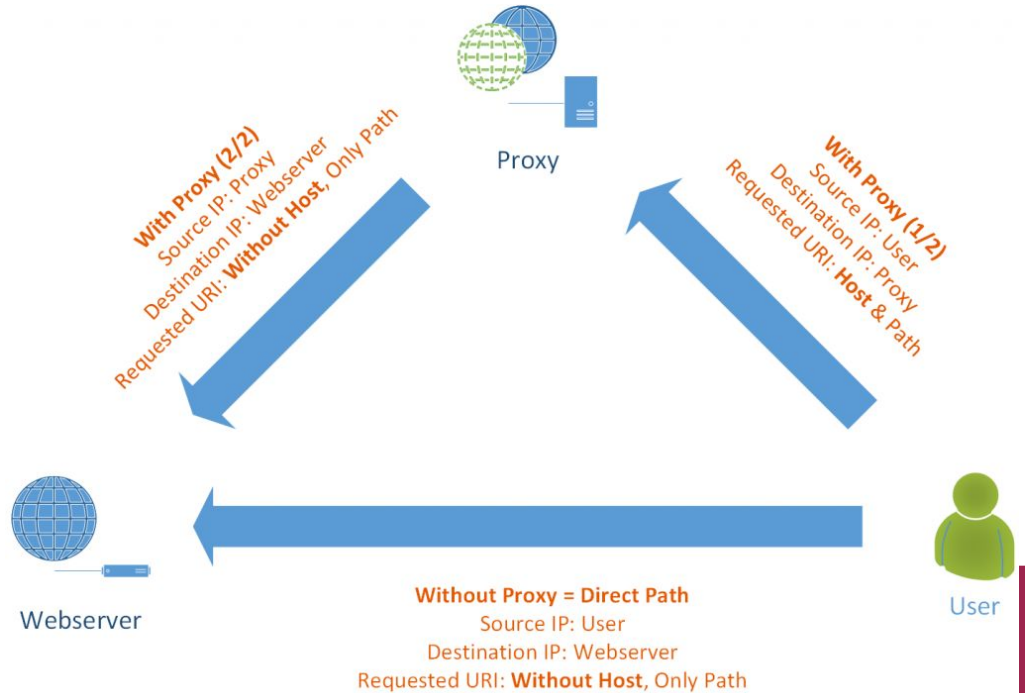
Webmail

- ❖ Supported by ERNET
- ❖ Uses Postfix transferring agent
- ❖ Sandmail mail exchangers
- ❖ Baracuda Spam Filters
- ❖ POP3 Authenticaion System



Something for the nerds!!

How are packets sent over proxy ?





Previous questions revisited

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