



## Part II

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Audio/Video recordings of this lecture are available at:

<http://www.cse.wustl.edu/~jain/cse571-07/>



- ❑ TACACS, TACACS+
- ❑ RADIUS, Packet Format, Accounting
- ❑ Problems with RADIUS
- ❑ Diameter Base Protocol
- ❑ AAA Transport Profile
- ❑ AAA Key Management Principles

# TACACS

- ❑ Terminal Access Controller Access-Control System
- ❑ Routing nodes in ARPAnet were called IMPs.
- ❑ IMPs with dial up access were called TIPs.
- ❑ BBN developed TACACS for ARPANET
- ❑ AAA server is a process in a UNIX server - called TACACS daemon.
- ❑ Uses UDP port 49
- ❑ Username and passwords were sent in clear for authentication  
⇒ No longer used
- ❑ Cisco adopted TACACS for terminal servers extended TACACS or XTACACS