COMPUTER NETWORKS FOUNDATIONS Computer Networks

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- Classification
- 2 Communication
- Standard Models
- Security



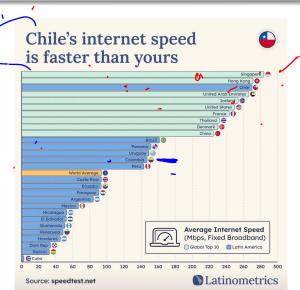


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LATAM Internet Speed

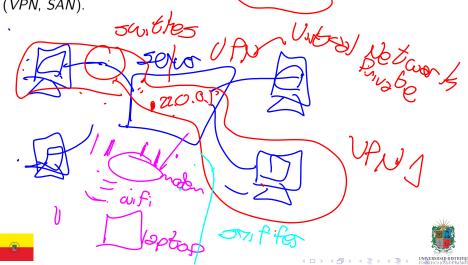






Basic Classification

Classification depends on geographical distribution or services shared (VPN, SAN).

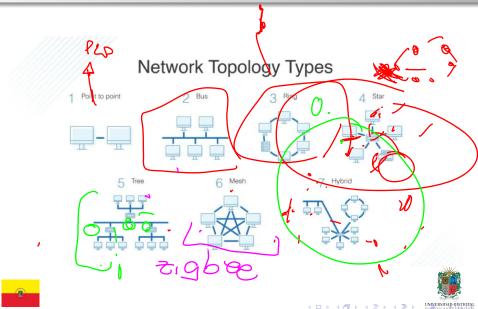


Work Area Classification

Work area Chassification depends on network size and geographical PAND Personal Ales Networks
LAND P. Lead Ales Networks
MAN & Medium Ares Metworks
and An in wide are not work distribution. In this case, we have: PAN, LAN, MAN and WAN. 20 Es



Network Topologies



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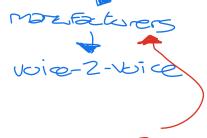


Communication Models

Communication models must be choosed depending of domain needs. Typical models are: point-to-point, client-server, and publish-suscribe. Alterecar

Communication Standards

First at all, protocols are defined as set of standarized rules. There are two types of protocols: de facto and de jure.







254





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DoD Model

Department of Defense (DoD) model describes four layers: application, transport, internet, and network access.





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Networks Security

Protocol and standard compliance protects data, resources and networks. Important aspects here are: *interoperability*, *security baseline*, and *vulnerability management*.





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Thanks!

Questions?



Repo: https://github.com/EngAndres/ud-public/tree/main/courses/computer-networking



