

SEHH1016

REVISION

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Lecture

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1. Discovering the Internet

Discovering the Internet

Internet

- Host
- Online
- Protocol
 - TCP/IP
 - FTP
 - Telnet

Internet Users

- Web
- Webpages
- Website
- Markup language
- Web authoring software
- Web server
- Web browser
- Hyperlink
- Browsing

Internet Activities

Search tools

- Cloud computing
- VPN
- Web conferencing
- Telnet

Remote computing

E-business

- B2C
- B2B
- B2E
- C2C

Impact

- ARPANET
- Circuit switching vs Packet switching
- Research to Public
- Rise of Web

2. Discovering the Internet

Discovering the Internet

ISP

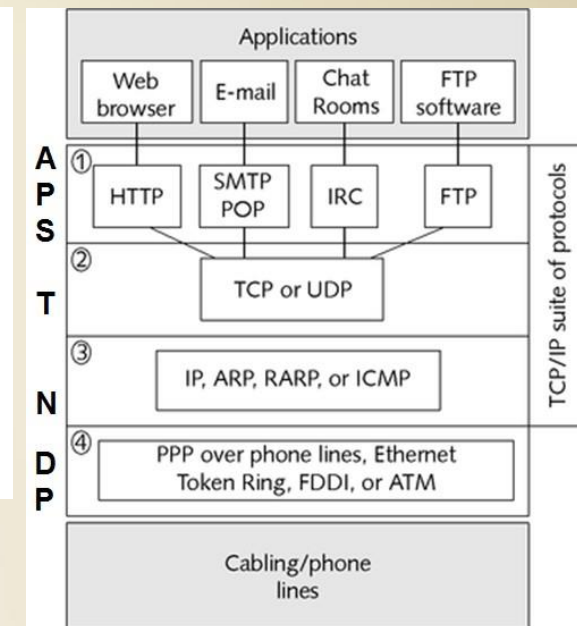
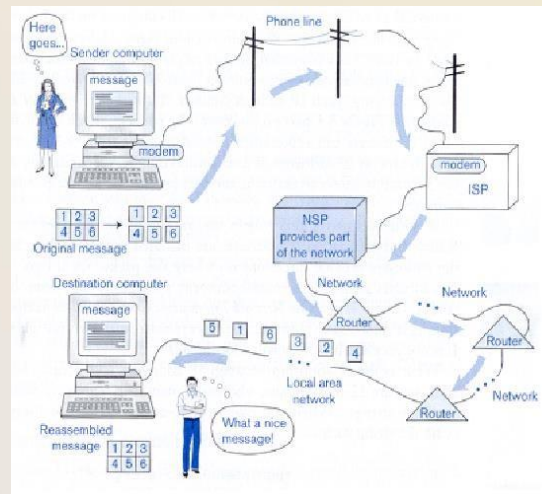
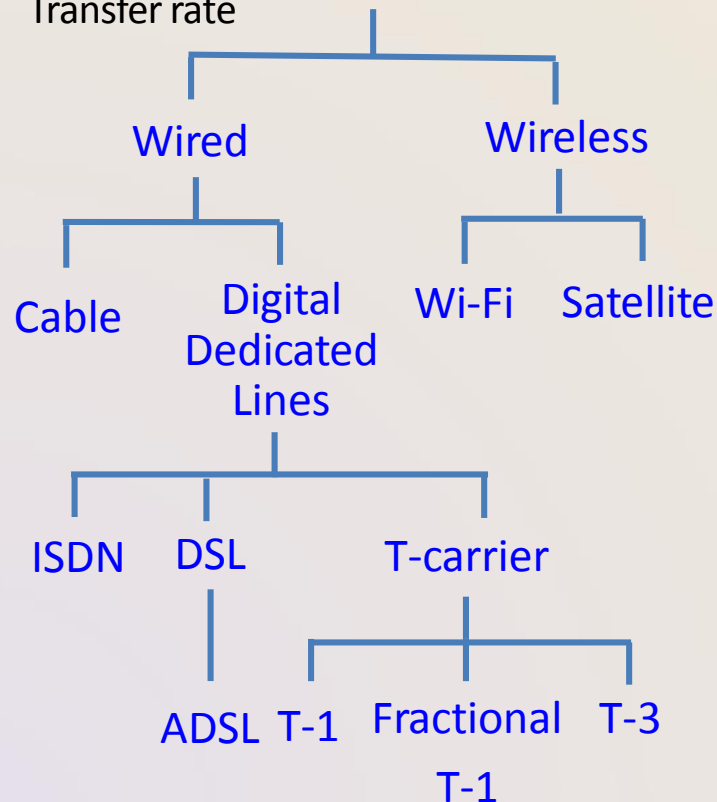
Connection
Methods

Sending
Message

OSI

➤ Bandwidth

➤ Transfer rate



3. Browsing the Web

Browsing the Web

Website

Dividing a network

URL

- Homepage
- Portal
- Webpages

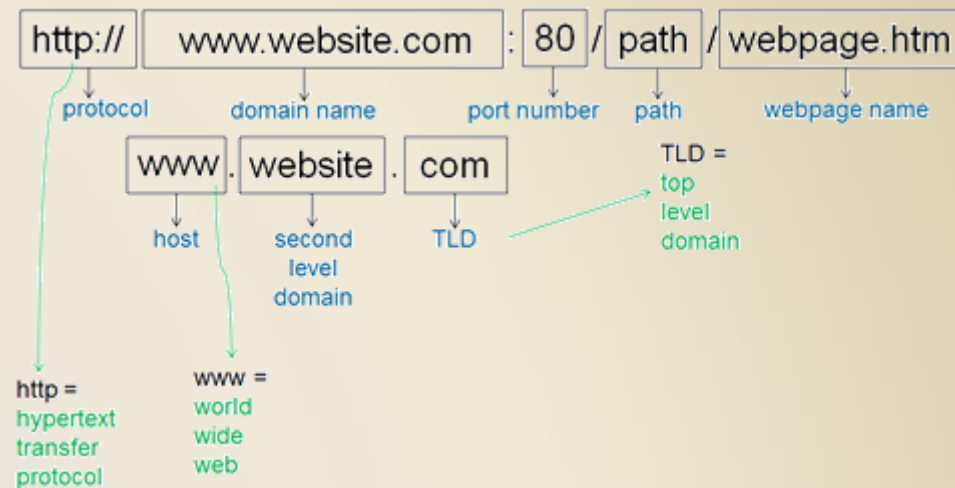
Segmenting

Subnetting

- **Characteristics**
- Web servers
- MAC address
- IP Address
 - **Static vs Dynamic**
 - **Public vs Private**
 - **Class A –C**
 - **v4 vs v6**
- Socket
 - **IP + Port**

- Hub
- Bridge
- Switch
- Router
- Gateway

- Subnet mask



4. Browsing the Web

Browsing the Web

Browsers

- Navigating
- Tabbed Browsing
- Shortcuts
 - Favorites
 - History
 - Accelerators
 - Web feeds
 - Address bar drop-down list
 - Suggested websites

Risks

- Hacker
- Virus
- Malicious website
- Malicious software
 - Spyware
 - Adware

Safeguards

- Firewall
- Secure connection
- Filtering Web Content
 - TPLs
 - Internet filters
- Information privacy
- Cookies

5. Searching the Web

Searching the Web

Search process

- Choose tool
- Formulate query
- Targeted search
- Open-ended search
- Natural language search
- Perform search
- Exam result
- Evaluate credibility
- Authority
- Objectivity
- Scope and Quality
- Design and Functionality

Search tools

- Directory
- LDAP
- Search Engine

Search techniques

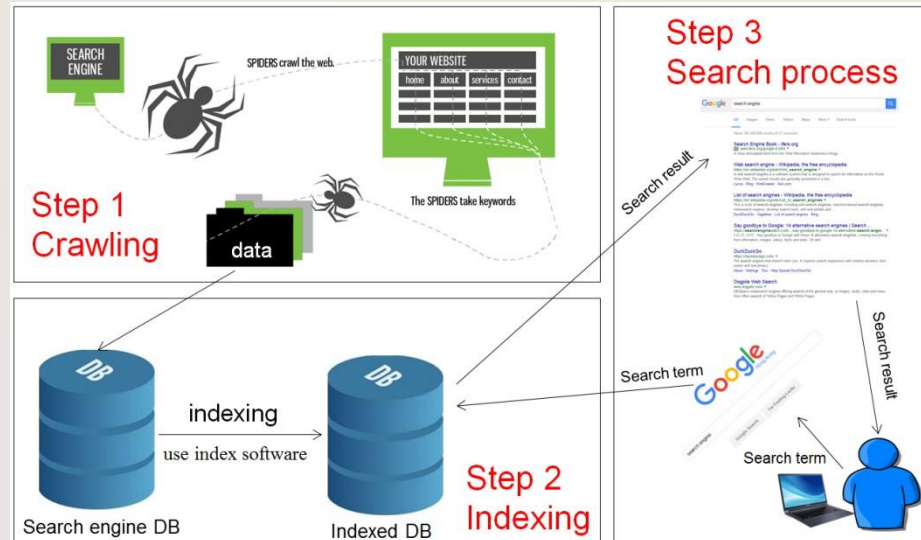
- Boolean operator
- Search forms
- Filters

Browser Searches

- Address Bar
- Webpage

Specialized Searches

- People & Business
- News & Current Event
- Video
- Social Media
- Shopping



➤ Metasearch engine

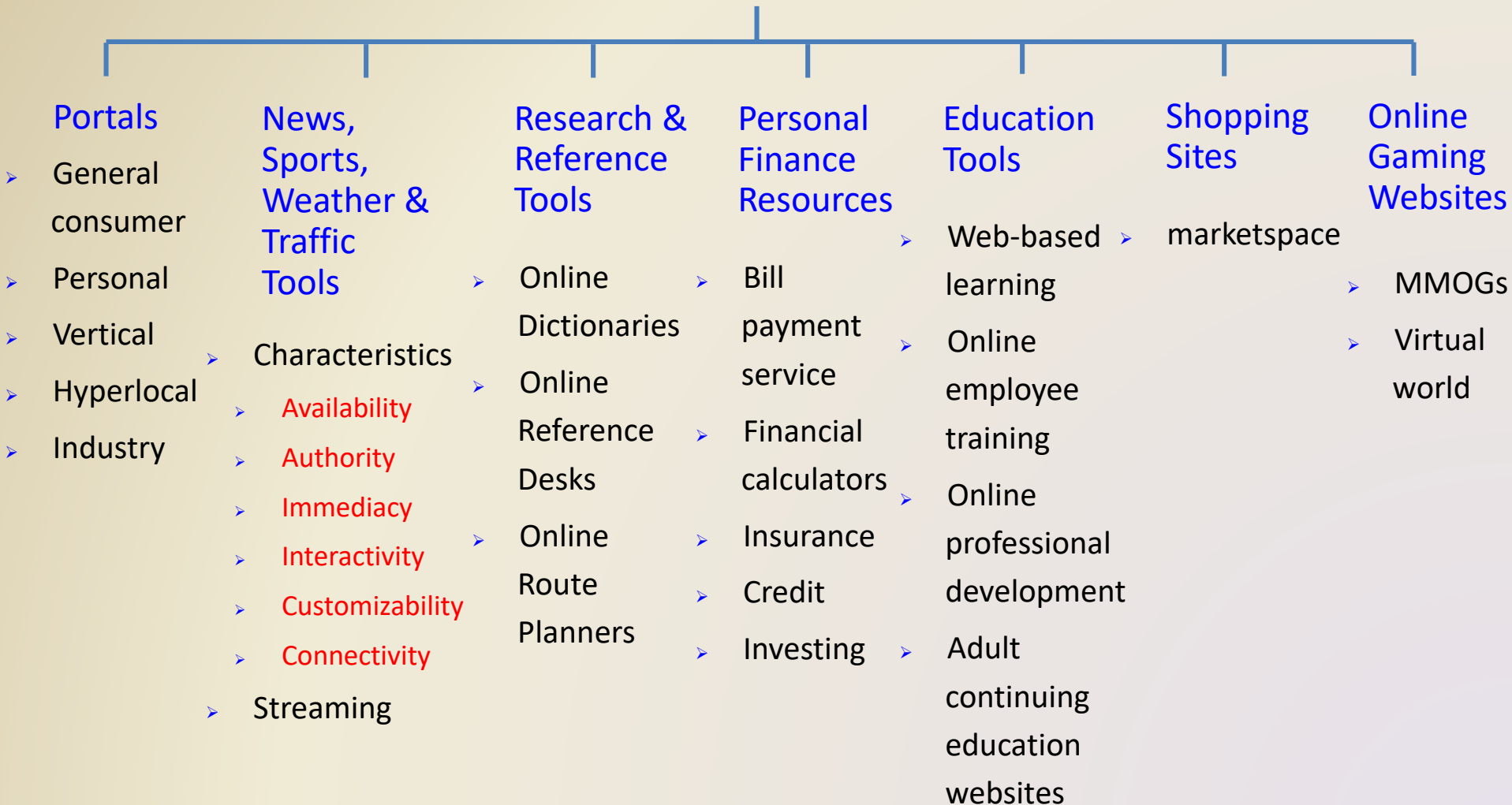
6. Communicating Online

Communicating Online



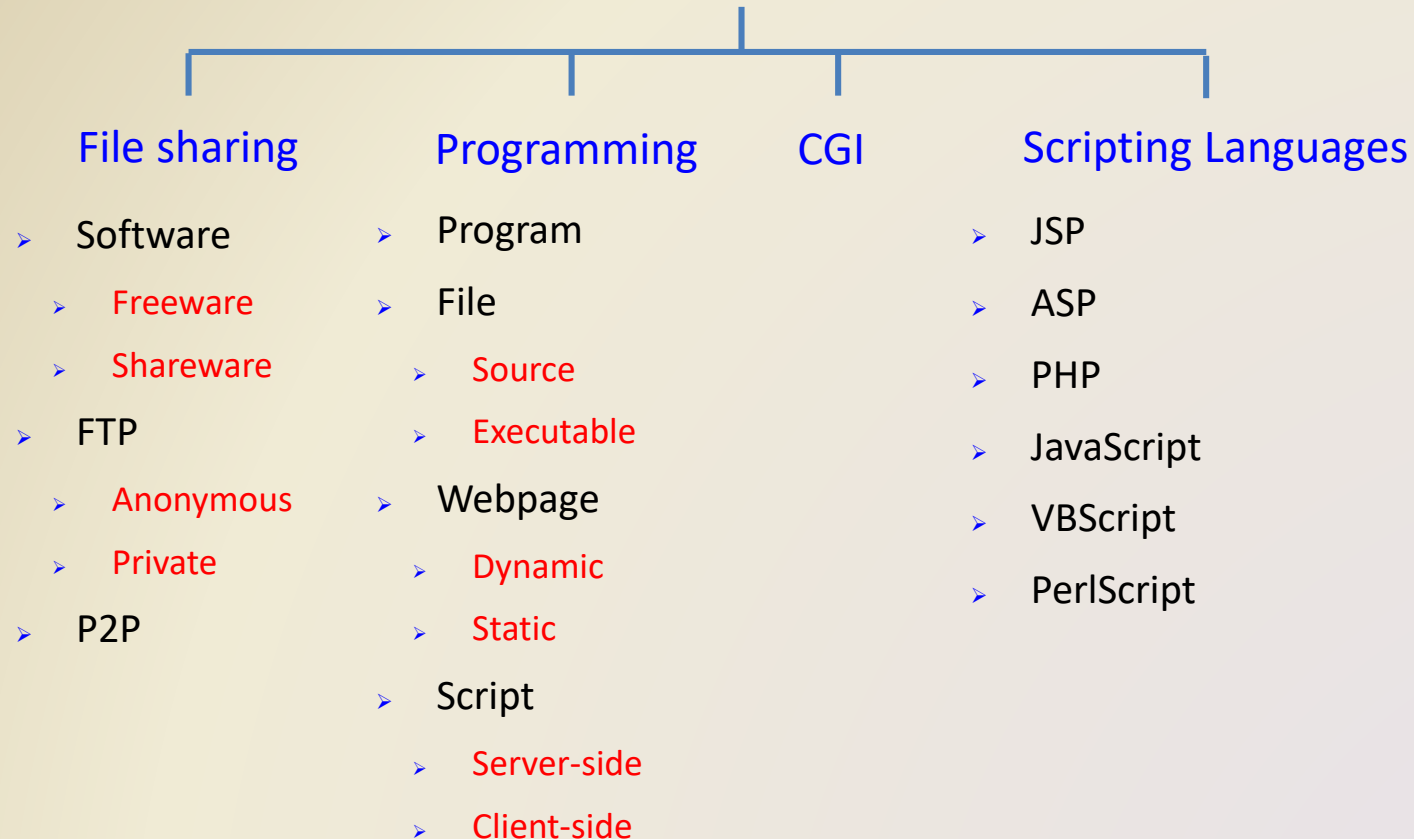
7. Getting More Out of the Internet

Getting More Out of the Internet



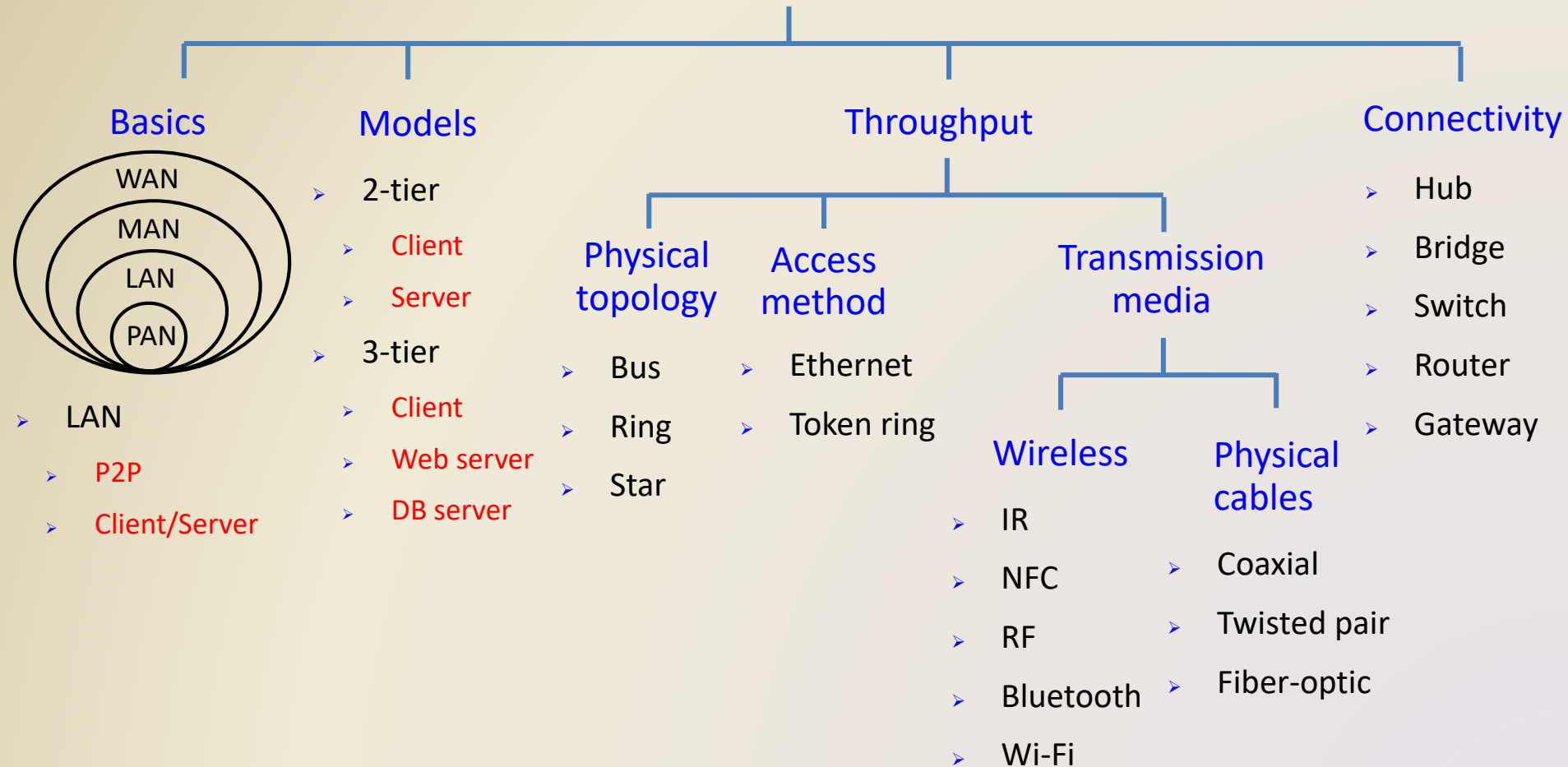
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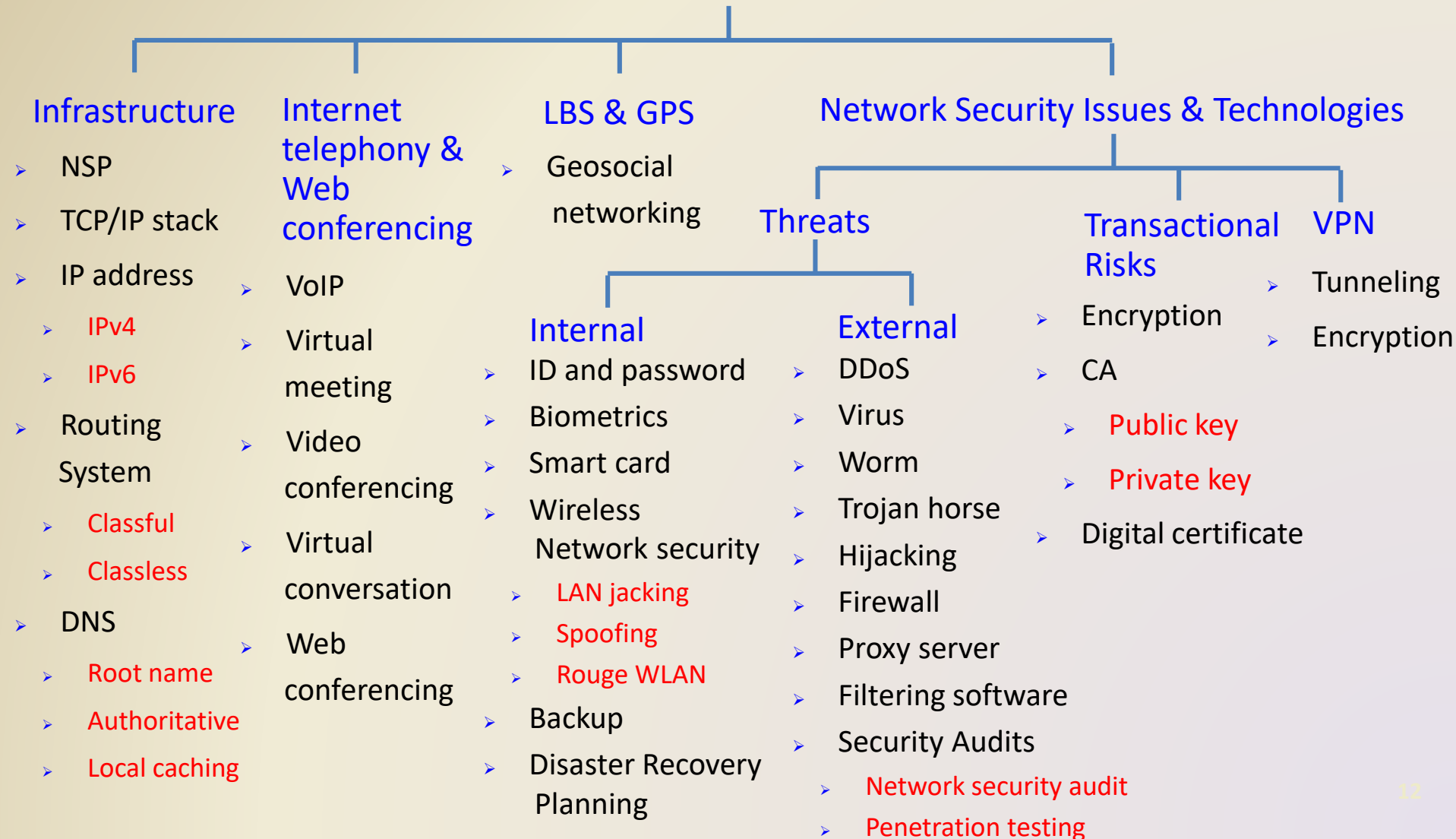
9. Understanding Internet Technologies & Security

Understanding Internet Technologies & Security



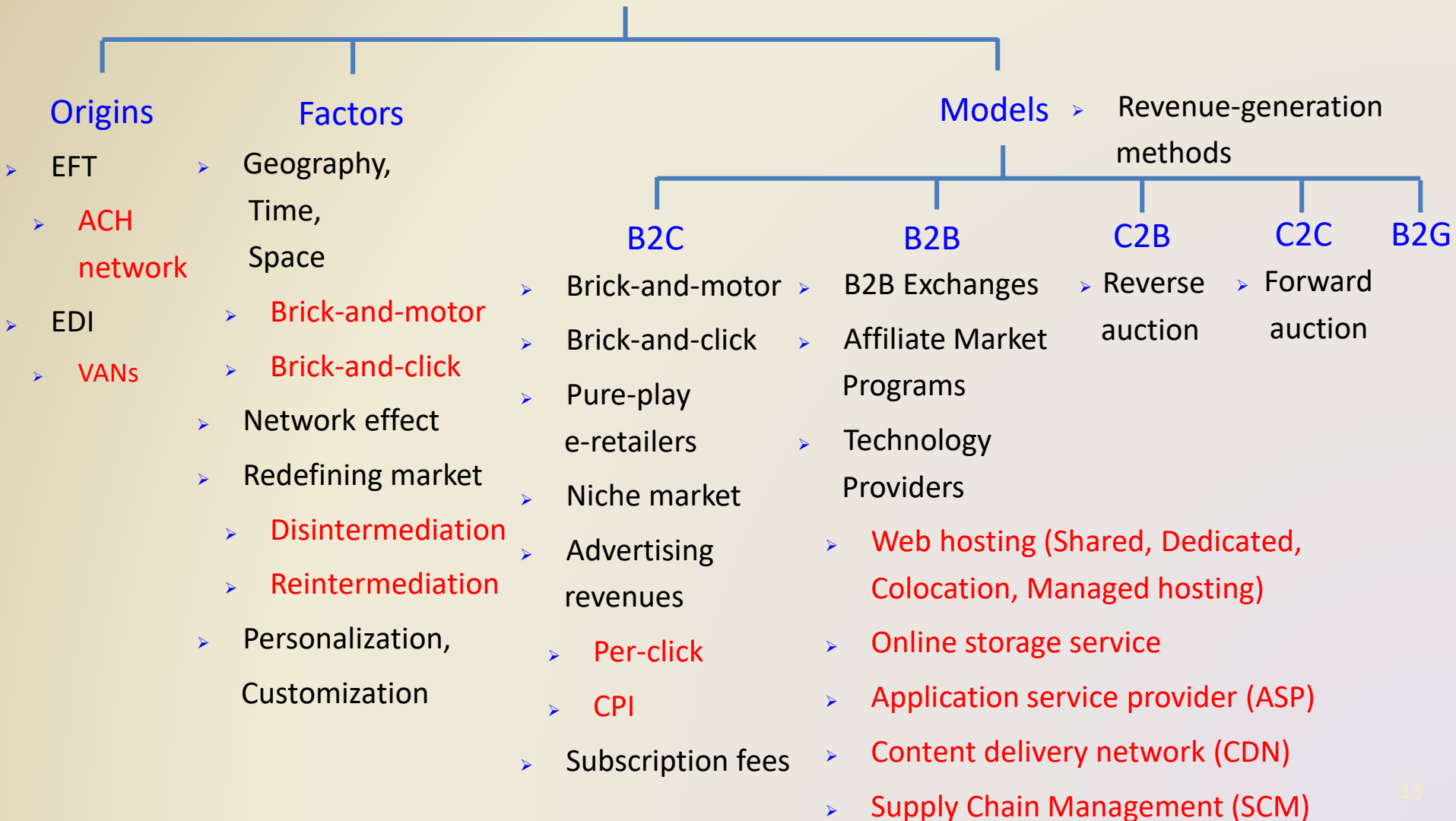
10. Understanding Internet Technologies & Security

Understanding Internet Technologies & Security



11. Understanding E-Business

Understanding E-Business



12. Understanding E-Business

Understanding E-Business

