

Problem Set

Finding Literature with Online Databases

Exercise 1:

1. Locate the online catalogue for IEEE publications (IEEE Xplore) and ACM publications (ACM Digital Library). Provide the URL's of the databases?
2. Find the URL of the following article in either IEEE Xplore or the ACM Digital Library:
L. G. Roberts, The evolution of packet switching, Proceedings of the IEEE, Vol. 66, No. 11, pp. 1307 - 1313, Nov. 1978.
3. Perform a search on Google Scholar for the same article, and determine if the article (which is from 1978) is found.
4. Try to find a location on the Internet where you can download the article (i.e., without going through the databases). Provide the URL where the article was found.

Exercise 2: Read the paper by L. G. Roberts and answer the following questions:

1. Which packet switching approach (datagram or virtual-circuit) is used in the packet switching approaches mentioned by Roberts (SITA, TYMNET, etc.) If no information is provided, state so.
2. Which packet switching approach is favored by the author, and what are the reasons?

Exercise 3: Locate the online catalogue of the following journals and magazines that contain many important articles on computer networking:

ACM/IEEE Transactions on Networking
IEEE Journal on Selected Areas in Communications
IEEE Transactions on Communications
IEEE Communications Magazine
IEEE Network Magazine
Proceedings of the IEEE
ACM Computer Communications Review

Computer Networks (formerly known as Computer Networks and ISDN System)

- Provide an URL where you can download articles from these journals?
- Who is the Editor-in-Chief of these journals in 2005?

Exercise 4: Locate the websites of the following leading computer networking conferences:

ACM Sigcomm., ACM Mobicom, ACM Conext, IEEE Infocom, IEEE ICNP.
Some conference website allow you to download the articles presented at the conference.

- Provide URL's where you can download articles from these conferences?
- Who were the "Program Committee Chairs" for these conferences in 2011?