

Exploring the Internet

Welcome to Cyberspace:
Introduction to the Internet
and World Wide Web

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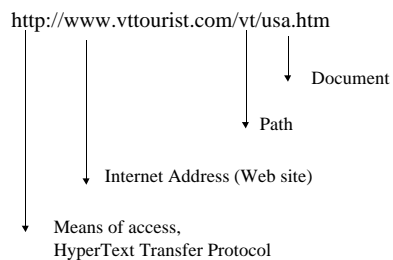
History of Internet

- Created by ARPAnet
- Used by military and academics until creation of the WWW (World Wide Web)
- WWW uses both Hypertext (links) and Hypermedia (text, graphics, sound & video)



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URL -- Uniform Resource Locator



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Netscape Navigator (version 3.0 Gold)

- Windows application
- Type URL in File/Open or Location box
- Back button to access last Web page
- Bookmarks to keep favorite Web sites
- Options menu to change defaults
- Go menu to check all Web sites visited
- Status line to keep you informed of progress
- Print button for hard copy

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HyperLinks

- Provide text, graphics, sound or video links
- Blue underlined fonts are unexplored
- Links may also be embedded in images
- Magenta links have been previously accessed
- Go Menu keeps track of all links accessed

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Search Engines:
Finding Information on the Web

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Search Engines

- A program which systematically searches Web for documents on a specific topic.
- Uses a key word or words as a query
- Several search engines are available
- Each search engine has its own database; No search engine is best
- Returns hits or documents once search has been submitted

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Using Net Search button in Netscape

- Offers five prominent search engines for your choice, more when you scroll down
- Can construct key word search or use category structure established by search engine
- The Netscape logo and status bar keep you informed of the progress of a search

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Popular Web Search Engines

Site	URL
Alta Vista	http://altavista.digital.com
InfoSeek	http://www.infoseek.com
Lycos	http://www.lycos.com
WebCrawler	http://webcrawler.com
Yahoo	http://www.yahoo.com

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Search Rules and Techniques

- Specify Boolean operators
 - And* -- Includes all findings of both key word (s)
 - Or* -- Looks for only one of the specified key word (s)
 - Not* -- allows you to exclude certain key word (s)Each search engines sets up its own Boolean operators
- Use multiple search engines
- Read online help about search criteria used for a particular search engine

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Bookmark, Find & Save Commands

Bookmarks allow you to return to a site without repeating a search. Pull down Bookmarks and click Add Bookmarks to save the URL.

Find allows you to enter a specific character string within a long document, enabling you to find your information quicker.

Save command allows you to save and download images from the Web.

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Exploring the Internet

The Internet and Society:
Issues in Cyberspace

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Social Issues

- Movement from industrial to information age
- Average household income of Internet users is \$60,800.
- There are more male users (68.6%)
- How to provide access to rural and disadvantaged populations
- Issues of privacy and censorship

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Legal Issues

Copyrights provide legal protection and give an author exclusive rights to its use.

- On the Internet all work is copyrighted unless, the work specifically says it is in the public domain.
 - Licensed software can not be down-loaded
 - Shareware/freeware software can be tested for evaluation
 - Many graphics are copyright protected
 - Fair use exclusion allows for reproduction or use in an educational, not-for-profit or critical review
- Privacy issues and Freedom of Speech are also concerns.

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Commercialization of the Web

- National Science Foundation allowed commerce on Web in 1991
- Commercialization requires more security
- Encryption is the process of encoding data so that it is no longer in its original form
- Encryption is built into Netscape

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