

مقدمه ای بر سیستم های تحت وب



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Web Components

- ❑ **Clients and Servers**
- ❑ **Internet Service Providers**
- ❑ **Web Site Hosting Services**
- ❑ **Domains Names, URL's and Ips**
- ❑ **Registrars**
- ❑ **Protocols**

Clients & Servers

Clients (Browser)

- ❑ Internet Explorer
- ❑ Firefox
- ❑ Mozilla
- ❑ Netscape
- ❑ Opera
- ❑ Amaya
- ❑ AOL
- ❑ MSN

Servers

- ❑ Apache
- ❑ Microsoft
- ❑ Netscape
- ❑ JavaWebServer
- ❑ Oracle

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Internet Service Providers

Connect Clients to the Internet

- ❑ Phone Company
- ❑ AOL
- ❑ Earthlink
- ❑ Verizon
- ❑ NetZero
- ❑ Basic internet connection
- ❑ Dialup/DSL/Cable/Sat
- ❑ Email

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Web Hosting Services

Connects Web Sites to the Internet

- ❑ Computer (server)
- ❑ Web server software
- ❑ Firewall hardware and software
- ❑ IT services
 - (Backup, troubleshooting, hardware repair)
- ❑ Disk space
- ❑ Bandwidth / connection to internet
- ❑ Email server / storage

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Domain's URL's and IPs

- Domain name: The specific address of a computer on the Internet
 - microsoft.com
- Uniform Resource Locator (URL):
 - <http://www.microsoft.com/faq.html>
- Internet protocol (IP) address
 - 192.168.1.1

The World Wide Web

- A URL is a type of **Uniform Resource Identifier (URI)**, which is a generic term for many types of names and addresses on the World Wide Web

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Domain Registrar

- ❑ A company that provides domain name registration services for a fee.
- ❑ Maintain database which maps domain names to IP's
- ❑ Propagate new domain name/IP address information across the internet

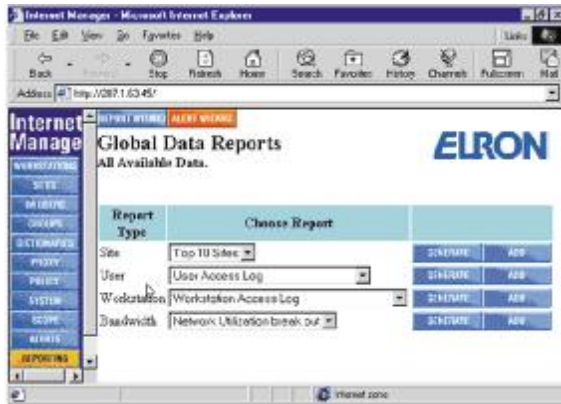
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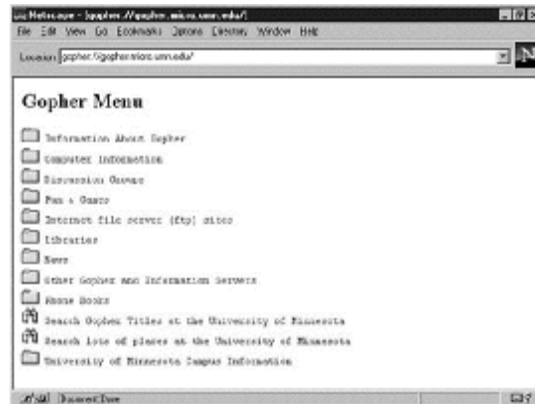
Protocols

- ❑ HTTP (*Hyper Text Transfer Protocol*)
- ❑ FTP (*File Transfer Protocol*)
- ❑ SMTP (*Simple Mail Transfer Protocol*)
- ❑ POP3 (*Post Office Protocol V3*)
- ❑ IMAP (*Internet Message Access Protocol*)
- ❑ NNTP (*Network News Transfer Protocol*)
- ❑ ICMP (*Internet Control Message Protocol*)
- ❑ TCP (*Transmission Control Protocol*)
- ❑ IP (*Internet Protocol*)

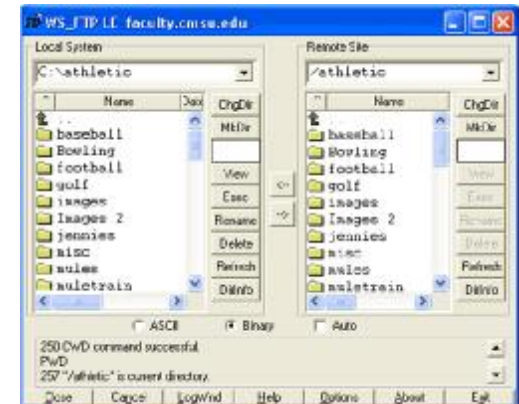
Protocols Examples



HTTP

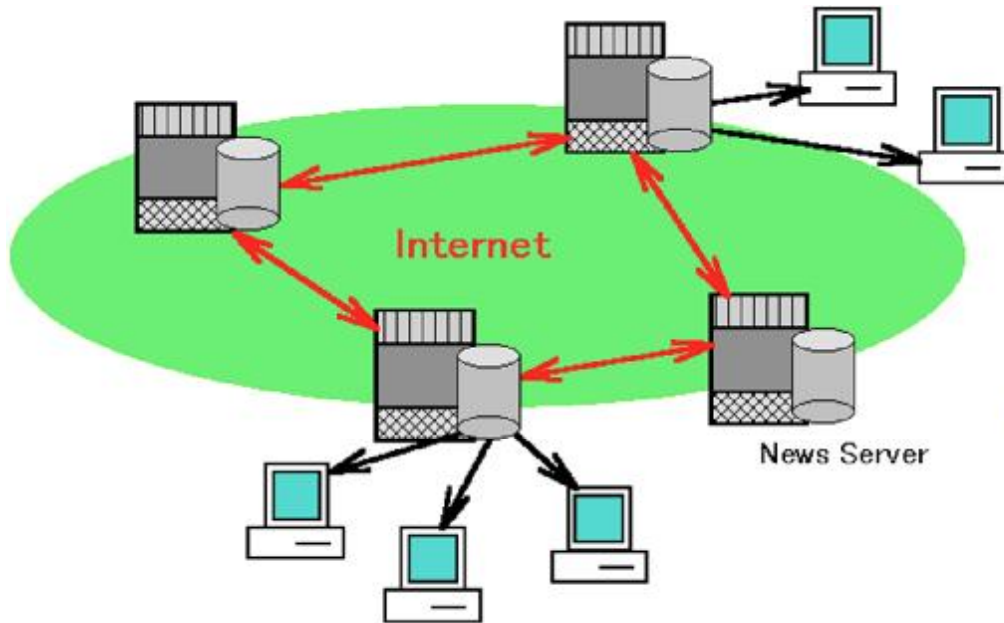


Gopher

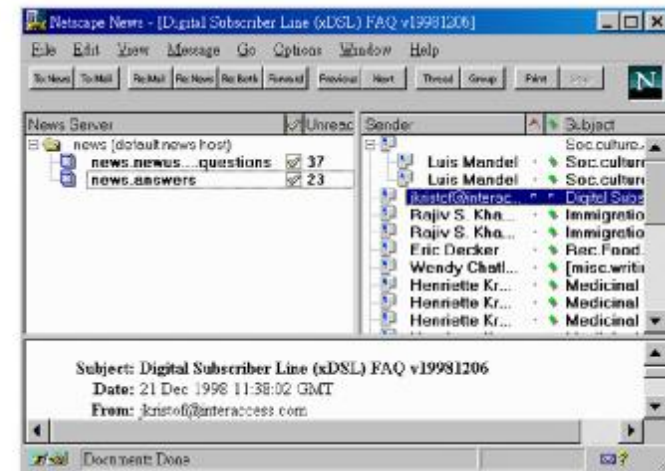


FTP

Protocols Examples



NNTP



Creating a Web Site

1. Choose a domain name
2. Register with a Registrar
3. Choose a hosting service
4. **Create web content**
5. Store (publish) onto hosting server (FTP)
6. Submit new site to search engines

Creating your Web Site

Technologies & Tools

- Markup Languages
 - HTML, XHTML, DHTML, XML, XSLT, etc....
- Cascading Style Sheets (CSS)
- Scripting languages
 - ASP.NET, ASP, JavaScript, PHP, etc....
- Web creation and editing software
 - Notepad, RapidCSS, FrontPage, Dreamweaver, InterDev, Flash, Site Builder, etc..