



## Web Technologies Overview

### Overview of the World Wide Web and the Internet

A brief history of TCP/IP and the Internet  
TCP/IP implementations  
Internet services  
The birth of the Web

### Web servers and browsers

How intranet Webs work  
World Wide Web browsers  
Web browser helper applications  
Web servers  
World Wide Web server software  
Commercial Web server software features  
Other TCP/IP services

### Internet architecture

How IP addresses work  
How the Domain Name System (DNS) works  
Buying a URL  
ICANN & IANA

### Inside the firewall

How firewalls work  
How proxy servers work  
How encryption works  
How cryptosystems work  
Web server security skills  
Connecting the intranet and the Internet  
Configuring windows NT as a router  
Assigning default gateway addresses on the LAN  
Subnetting a network

### The what and why of an intranet

Your customers  
Your intranet provides services  
Human Resources services  
Central control or no control  
Organizational models

Management of Web development  
They inevitably want more  
Design and layout of your intranet  
Web design and layout  
Selling your intranet  
Defining your audience  
The people skills to make it work  
Web server setup and administration  
Your Webmaster  
General system administration skills  
Web server setup details

### The tools to build a Web

Hardware for your Web server  
A respectable intranet/Internet server  
Software for your Web server  
TCP/IP networking required  
Web servers  
Running the intranet Web server  
Publishing existing documentation on your Web  
Taking inventory  
The easy part first  
Adding graphics  
Other legacy data conversions  
Serving e-mail via TCP/IP  
Adding ftp service  
Microsoft Internet Information Server

### Overview of intranet security

Web server security  
User name/password authentication  
Authentication  
Secure/encrypted transactions  
S-HTTP & SSL  
IIS and firewall architecture

**Linking databases to the Web**

Commercial Web databases  
ODBC & CGI  
Cold Fusion  
The dynamic page advantage  
Overview of Structured Query Language (SQL)

**HTML editors and tools**

What you need to know about HTML  
Basic HTML  
Other basic HTML tags  
Creating lists in HTML  
Logical and physical formatting  
URLs, hyperlinks, and mailto  
Graphics  
Multimedia, mime, and interlaced images  
HTML forms  
Server-side includes  
Tables in HTML  
Frames in HTML  
Client-side image maps  
Style sheets in HTML

**What is JavaScript?**

The history of JavaScript  
What JavaScript isn't  
Java vs. JavaScript  
Multipart documents with frames  
Creating interactive documents  
More control over user interaction  
Documents with memory  
Scrolling messages  
Clocks  
Countdown timers  
Self-updating documents

**Using Visual Basic script**

The benefits of VBscript  
Integrating VBscript with HTML forms  
VBscript variables and operators  
VBscript flow of control statements

**Understanding ActiveX technologies**

Using ActiveX controls with VBscript  
ActiveX redefines client/server computing  
Three-tiered HTML authoring tools

**Pages that shake, rattle and roll**

How Java works  
Multimedia wars  
Shockwave vs. Flash  
Windows media vs. RealPlayer