

Microsoft Developer Tools

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Top 10 Cheesy Sites On The Internet

- 6. Captain James T. Kirk's Sing-along Home Page**
- 7. The Brady Bunch Home Page**
- 8. The Perfect Present Picker Home Page**
- 9. The Mr. Potato Head Home Page**
- 10. The Cyrano Love Letter Home Page**

Top 10 Cheesy Sites On The Internet

- 1. The How to Toilet Train your cat
Home Page**
- 2. The Top 10 ways to tell you have a
“Sucky” Home Page, Home Page**
- 3. The Tod and Allison Wedding
Home Page**
- 4. The Disco Web Home Page**
- 5. The Gumby Home Page**

Tools Strategy

- ❑ **Tool family spanning Desktop, Server, and Internet**
- ❑ **Open environment for third parties**
- ❑ **Ride the “Internet Wave”**
- ❑ **Protect your investments**
- ❑ **Scale to client/server and multitier applications**
- ❑ **Integrate with legacy environments**

The Microsoft ActiveX Development Kit



presents

ACTIVE X
Development Kit™

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“The information contained in the ActiveX Development Kit is the fastest and easiest way to kick off development of Internet solutions”

Internet Information Server

ActiveX SDK

Internet Explorer 3.0

Internet Control Pack

Sample Order Entry Application

Technical information and whitepapers

Microsoft Developer Tools



Less coding, more
like a “document”

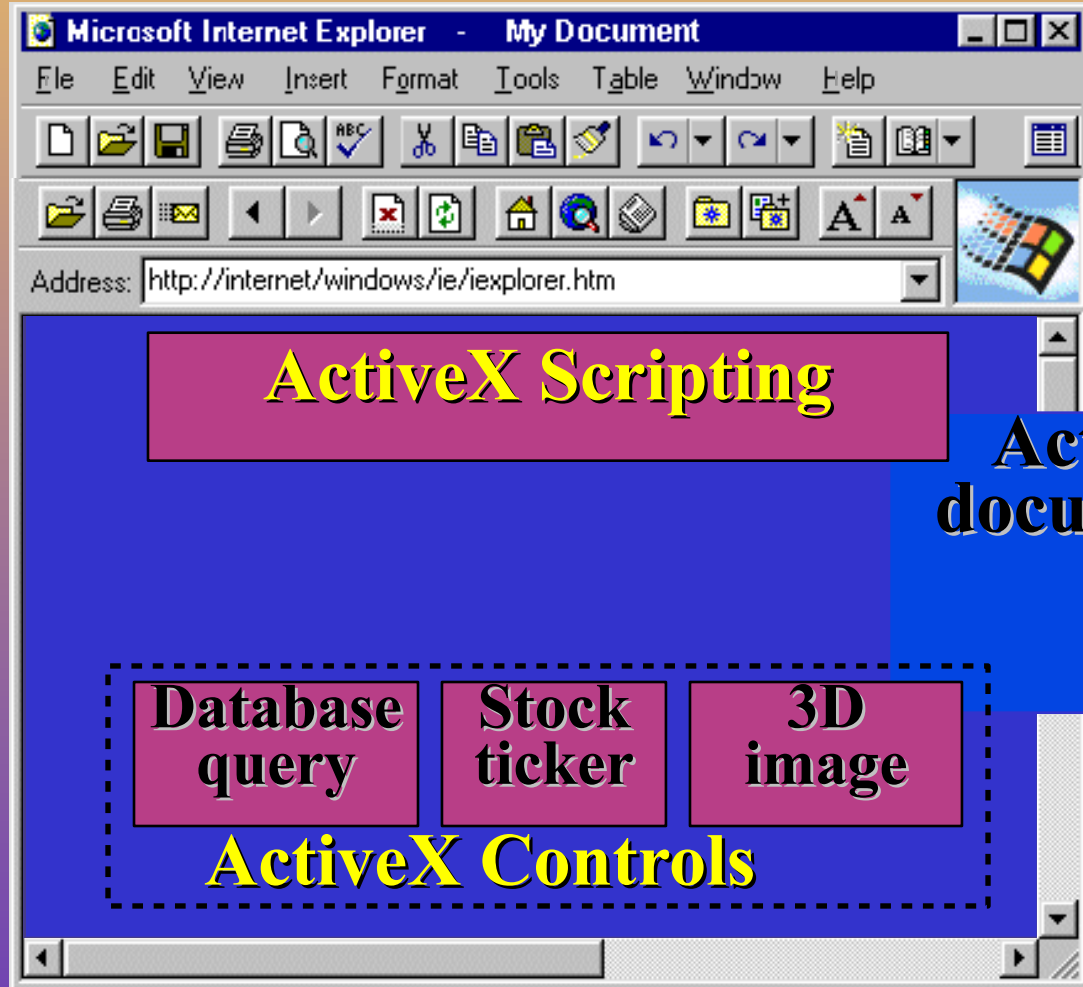
More coding, more
like an “application”

ActiveX platform

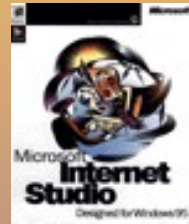
ActiveX™ Client - Tools



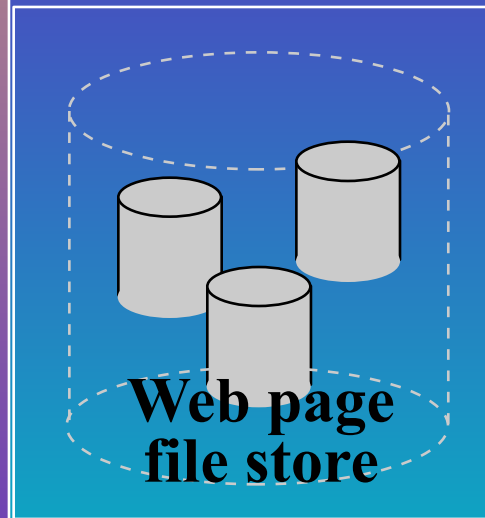
ActiveX Client - Tools



ActiveX Server - Tools

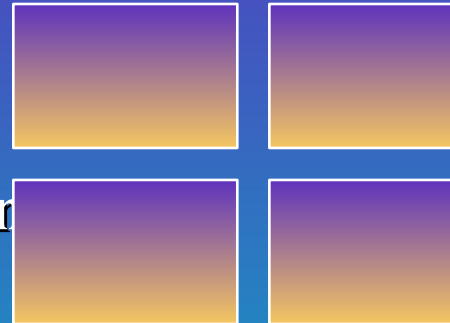


Windows NT Server



CGI Database Conn

ActiveX Server Controls



ActiveX Server Scripts



Cross-Platform Support



Office

Windows[®] 3.1

Windows 95 and Windows NT[™]

Macintosh[®]



FrontPage

Windows 95 and Windows NT

Macintosh (future)

Cross-Platform Support

Internet Studio

- Hosted on Windows 95 and Windows NT

- Cross-platform support through Microsoft® Internet Explorer

Visual Basic® and “Jakarta”

- Hosted on Windows 95 and Windows NT

- Cross-platform bytecodes

Visual C++®

- Hosted on Windows 95 and Windows NT

- Targets Windows and Mac



Microsoft FrontPage

Making Web-top publishing as pervasive as word processing

- High-quality Web sites without programming
- Easy, visual, site management
- Looks and works like Microsoft Office
- Open solution supports Internet standards



FrontPage Demo

Internet Studio

Professional Internet applications

- Build ActiveX applications
 - Professional layout
 - Database applications
 - Integrated scripting
- Build ActiveX servers
- Easy, drag-and-drop editing
- Site design, database integration
ECommerce...
- Multiuser development support



“Blackbird” — Internet Studio

Focus on HTML

-  Developing leading edge HTML with W3C

Targeting active Internet platform

-  Applications built with ActiveX Controls

-  Visual Basic Scripting

Keep the application model

-  Integrated project remains intact

Maintain high-end design

-  HTML via CSS layout style sheets

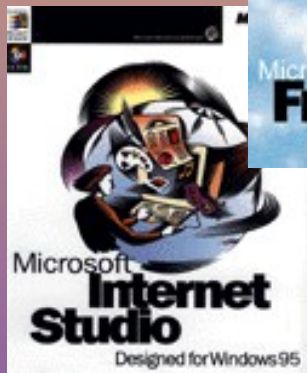
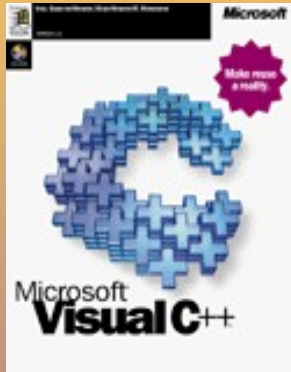
-  More window options

(in Internet Explorer 3.0)

Internet Studio Demo

Microsoft Developer Tools

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Visual Basic

Internet development features

 Implement ISAPI Servers

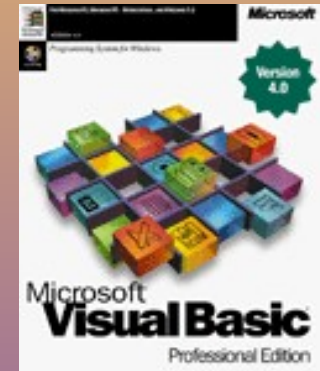
 Build applications:

 Wide selection of third-party
ActiveX controls

 Microsoft Internet OLE Control Pack
<http://www.microsoft.com/icp>

 Create Active Controls

 Create Active Documents






Visual C++

Internet development features

- ❑ Create ISAPI DLLs
- ❑ Microsoft Internet Control Pack
- ❑ Create Active Controls and Containers
- ❑ Create Active Documents and Containers
- ❑ Exploit ActiveX Services:
 - ❑ Async monikers
 - ❑ URL monikers
 - ❑ Hyperlinks
 - ❑ WinINet APIs
- ❑ See: <http://www.microsoft.com/visualc>



MFC 96 Internet At-A-Glance

Now	Q3 '96	Q4 '96
ISAPI classes Active Documents server sample	Sweeper classes:  Async monikers  URL monikers  Hyperlinks ActiveX Controls Active Documents server classes	Active Documents container classes

VBScript

An Internet Scripting Solution

 **Small, fast, and safe**

 **Proper subset of
Visual Basic[®] for Applications**

 **100% compatible with Visual Basic**

 **Built into Internet Explorer 3.0**

 **Cross-platform for easy mobility**

 **All clients, servers**

 **Licensable, not just for the Internet**

 **Free distribution**

<http://www.microsoft.com/vbscript>

VBScript On The Internet

- Great programmability in client applications (like Microsoft Internet Explorer)
 - Support for powerful intrinsic objects
 - OLE controls for extensibility
 - Language integration with HTML
- Server-side features
 - Thread safety using “free threading”
 - Support objects for server-side requirements such as file I/O
- Core engine is “safe”, with a limited set of intrinsic operations

“Jakarta”



Development tools

- Developer Studio integration
- Visual Debugger
- Fast .java compiler
- ClassView
- AppWizard

Run-time support

- Internet Explorer 3.0 ActiveX Scripting
- Java classes exposed as COM objects
- COM interfaces exposed as java classes
- Scriptable with VBScript or JavaScript
- Built-in JIT compiler
- Just-in-time code generation

Visual Tools Demo

Call To Action

Favorite tools take you forward

■ Create ActiveX applications:

■ FrontPage, Internet Studio, Visual Basic, Visual C++

■ Create ActiveX Controls:

■ Visual Basic, Visual C++, and “Jakarta”

■ Create Active Documents

■ Visual Basic and Visual C++

**■ Activate your existing application with
Visual Basic Script**

■ Tool vendors:

■ Target ActiveX!

■ Extend Microsoft tools through Active Documents

Marc Benioff
Senior Vice President
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Microsoft[®]

