

Virtual CICS
Information Builder's
WEB 390

Ray Bassler

BCANetwork

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Virtual CICS - IBI's Web390

Customer Requirement

- **Web access to Legacy 3270 CICS applications**
- **Secure**
- **Reliable**
- **Standards based client**
 - **Netscape**
 - **Internet Explorer**

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Legacy 3270 CICS Applications

- **Known customers**
- **Top Secret Mainframe UserId's**
- **Applications have additional security**
- **Intranet access is required**
- **Internet access is required**
 - **Additional security required**

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Support

- **Encryption beyond firewall**
- **Diverse geographic area - cannot practically visit desktop**
- **Does not require client installation or middle tier server**

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Alternatives

- **Mainframe based**
 - application changes required
 - minimal application changes
- **Middle tier solutions**
 - Windows NT
 - Unix (AIX, Solaris)
- **Client software based solutions**

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Products Considered

- **IBM Host on Demand**
- **Attachmate Host Publishing System**
- **Neon Shadow Web Server**
- **Open Connect OC/ Web Connect Pro**
- **IBI Web390**

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Selection Criteria

- **No change to existing application**
- **Two authentication processes**
- **Application must function with either**
 - **3270 Terminals**
 - **X.25 3270 Dial up access**
 - **Internet Web Browser**
- **Encryption across Internet**

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Customer implementation

- **Web390 batch job**
- **Interlink TCP/IP**
- **Token ring / CISCO**
- **Netscape Enterprise SUN**
- **Netscape Communicator Ver 4.XX**
- **Netscape Directory Server**

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Technology

- **HDS Pilot OS/390 1.3**
- **Interlink TCP 4.1 (5.2)**
- **Cisco Router/PIX firewall**
- **Token Ring**
- **CICS 4.1**
- **DB2 4**
- **Netscape Enterprise Suite**

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IBI's Web 390 2.7 (3.2)

- **Fit into environment**
 - **Netscape Proxy Server**
 - **Netscape Directory Server**
 - **Minimal training/retraining**
 - **green screen interface**
 - **Scalable within existing hardware/software**
 - **SSL Security with two level authentication**
- **IT WORKED!!!!!!!!!!!!**

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What we found

- **All Browser's are not created equal**
 - **Input fields take more space on HTML**
 - Amount of data, alignment of display
 - You can create a different view for HTML
 - **Cookies, cookies and more cookies**
 - You need to enable these on browser
 - **Some configurations will not work with all browser's**
 - Microsoft Internet Explorer
 - Netscape Communicator

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What we found (continued)

- **CICS**
 - **Extended attributes**
 - **Field padding**
 - **UNDERSCORE**
 - **Multiple Maps**
 - **File Transfer**

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What we found (continued)

- **Intranet Access**
 - **CICS/VTAM**
 - **Web390**
 - **The 'Cloud'**
 - **ISP**
 - **Client workstation hardware/software**
 - **Experience**

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- **What you can do with Web390**
 - **Enable access to Mainframe (Legacy) applications to anyone/anywhere**
 - **Most users will be able to navigate applications with minimal training**
 - **Web 'enable' existing 3270 Applications**

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Results

- **9,000 users in 50 states and 2 territories access system daily**
- **100,000 transactions/day**
- **350 - 500 concurrent users**
- **Complements**