e-Business User Experience WAVV 2002

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E-Business User Experence

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Complete WEB Implementation

Penton Publishing

Partial WEB Implementation

• CSCC (Columbus State Community College)

Minimal WEB Implementation

Gradall Company

Penton Publishing Complete WEB Implementation

- Publishing house for 30 magazines
- DLI/CICS based web server using DATA21 IPSERVER
- 70 In-house users using Netscape version 4.79
- Allow outside user access to subscribe real-time
- Allow Customers access to magazine statistics & data
- Implemented 24/7 access to system
- Conversion time 18-24 months

CSCC (Columbus State Community College) Partial WEB Implementation

- 20,000 student enrollment
- 500 regular up to 1600 users during peak times
- DatacomDB/CICS based WEB server using DATA21 IPSERVER
- Implemented 24/7 access time
- 45% all registrations are web based
- 10% all fees paid are web based (2.5 million this year)
- 80% all reports are web based using VSE2PDF & HTML inserts
- Above numbers have doubled from previous quarters
- Exchanging data using XML data streams with other Univ.
- Conversion time 3-4 months

Gradall Companies (JLG industries) Minimum WEB Implementation

- Manufacturer of earth moving equipment
- WEB implemented for report distribution and limited external dealer use
- 60% of all reports are distributed via WEB or E-mail
- Allow Dealers to access system via dial-up or internet based 3270 session (IPBridge from DATA21)
- Extensive use of FTP to distribute data to network based applications
- Socket applications used for real time data exchange
- Implementation time was 3-4 weeks

Considerations

(problems that we have seen)

- Network traffic and infrastructure
- Capacity Planning
- Security and more security
- Popularity (Our baby is growing up)

Considerations - Network

- Infastructure Terminal/emulator based networks typically 4K packets however WEB based traffic can be unlimited size
- Internet Connection Most companies do not have the capacity to handle both outgoing traffic and incoming traffic
- E-Mail server Possible overload of disk space relaying problems (email outside company)
- Servers Users may archive reports in network directories

Considerations - Capacity

- Machine sizing Plan appropriately for machine capacity. consider the implications on CPU, DASD and hardware.
- Forecast Investigate the project, speak to others who have implemented similar application to estimate effects
- Statistics Gather as much useful information as possible prior to and after implementation. This data will come in handy during the above tasks.
- Reports Take the information above and publish it. Let the users and administration know of the success or problems as they occur.

Considerations - Security

- Passwords Design system around security.
 DO NOT pass USER-ID and PASSWORD in each web request. Consider temporary cookie to store user-id/password
- Time-outs Use time out facilities in WEB design to limit exposure.
- Errors Design into the system a real time error reporting system. This will limit down time and alert operations to potential problems (hackers)
- Test test test and more tests Recruit the help of savvy internet/network people to break in to system before opening to the world



Considerations - Growth

Never underestimate the growth potential or the popularity that an e-business application approach will have. plan carefully and then watch it like a hawk as when you least expect it will take over and make your life hell.

However on the same note if planned well this could be the most exciting thing to happen to mainframe processing since its inception. So don't hesitate - jump in the water is just right!

GSC Enterprises, Inc. Grocery Supply Co.

e-Business User Experience

Jimmy Green - I.T. Operations Mgr.

Jerry Donaho - Corporate V.P.

Alex Johnson - Application Dev. Mgr.

March 2000

Installed Multiprise 3000 H30

And TCP/IP

October 2000

Attend TCP/IP Under the covers

Telnet Ftp Http

November 2000

Purchase IpServer and VSE2PDF

Use IpServer as the web server

Make use of existing skills

Use VSE2PDF to distribute internal reports

Cut down paper cost

Cut down on lost reports

PDF format allows better search functions

e-Care Web Application

Announced at GSC Tradeshow in April 2001

Setup 40+ users at the show

e-Care Web Application

Today, just one year later

There are 300+ users

e-Care Web Application

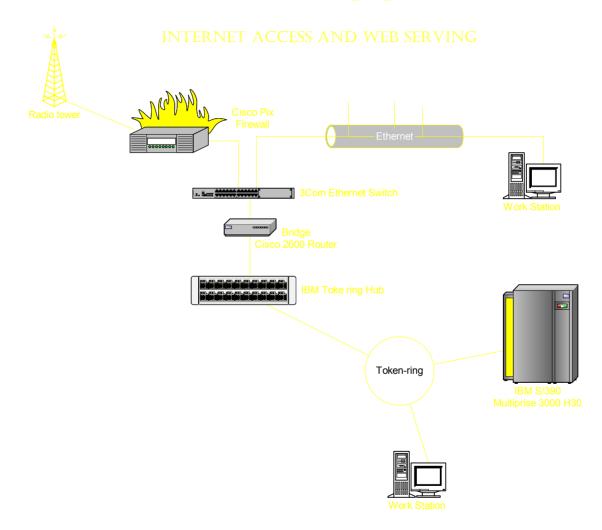
All programs are Cobol CGI's using IpServer

Extensive Java scripting

e-Care Web Application

Provides custom reporting Custom delivery methods

A variety of data formats for 3rd party systems



e-Business User Experience



Terry Hall

A.Y. McDonald Mfg. Co.



A.Y. McDonald Mfg. Co.

Dubuque, Iowa

Established in 1856, A.Y. McDonald is a leading manufacturer of waterworks brass, plumbing values, pumps and water systems, high pressure gas values and meter bars.

- 450 employees
- 3 manufacturing plants







System Configuration

- VSE/ESA 2.6
- CICS TS For VSE/ESA
- TCP/IP-Tools from Barnard Software, Inc.

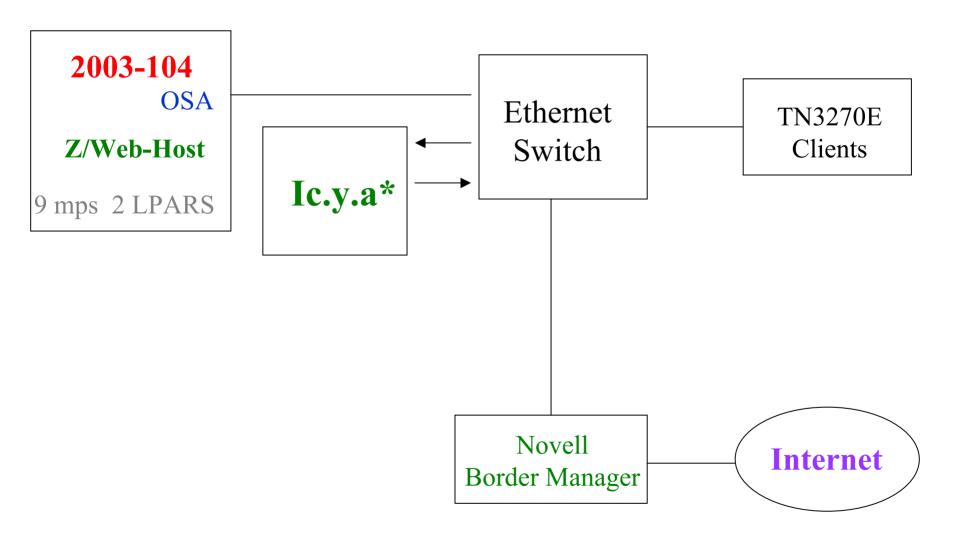


z/Web-Host for VSE from IntelliWare Systems, Inc.



Access Applications from Anywhere"

System Configuration



* IntelliWare control your access

Why web access to mainframe 3270 applications?

- 90% of company data resides on the mainframe
- Allow employees access to the data from anywhere
- In the future allow customers limited access

Why z/Web-Host for VSE from IntelliWare?

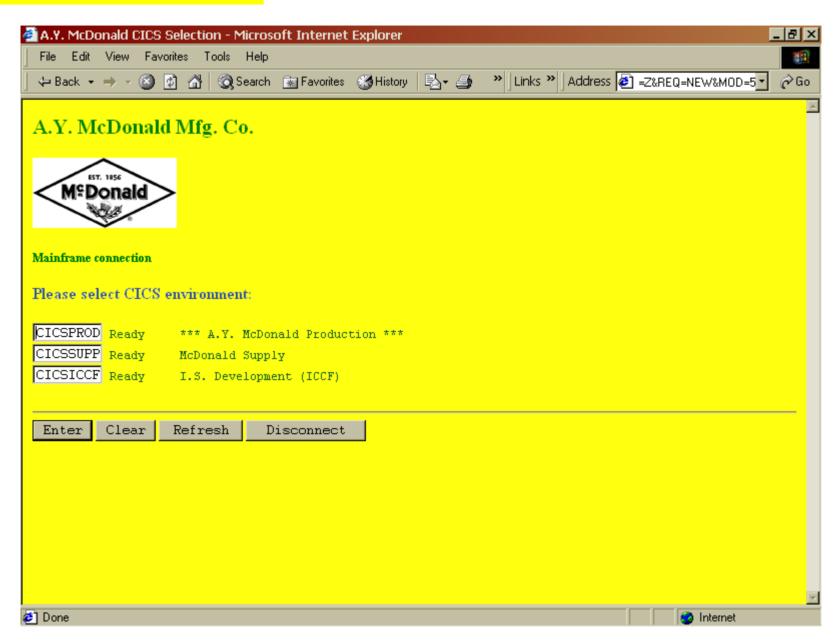
- Fast and easy to install
- Three tier not required
- No application program changes necessary
- Customize the appearance of 3270 screens
- Runs is a VSE partition



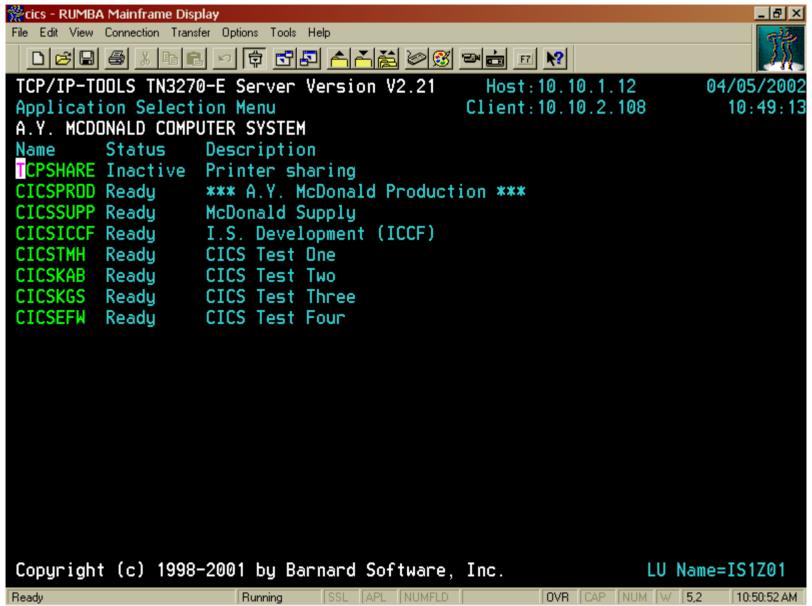
Menu Selection page



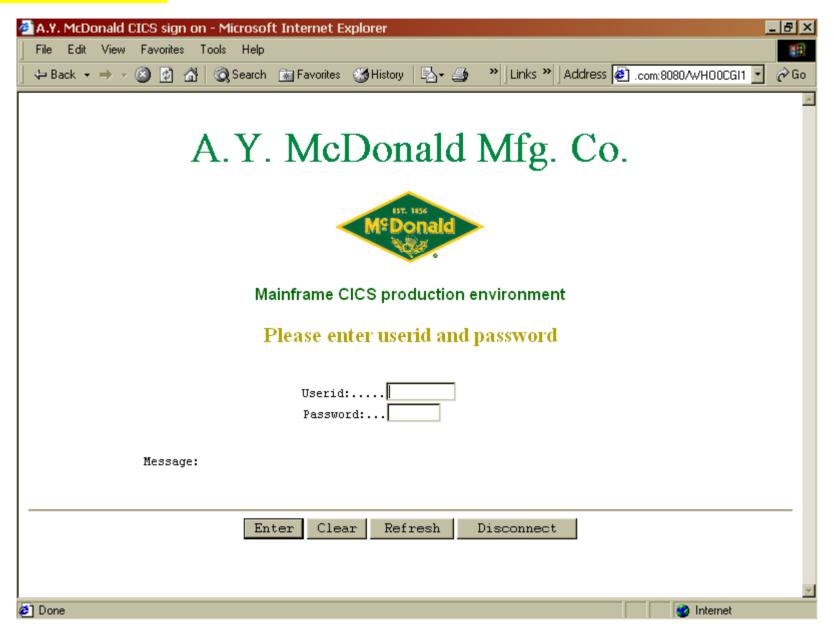
CICS selection page



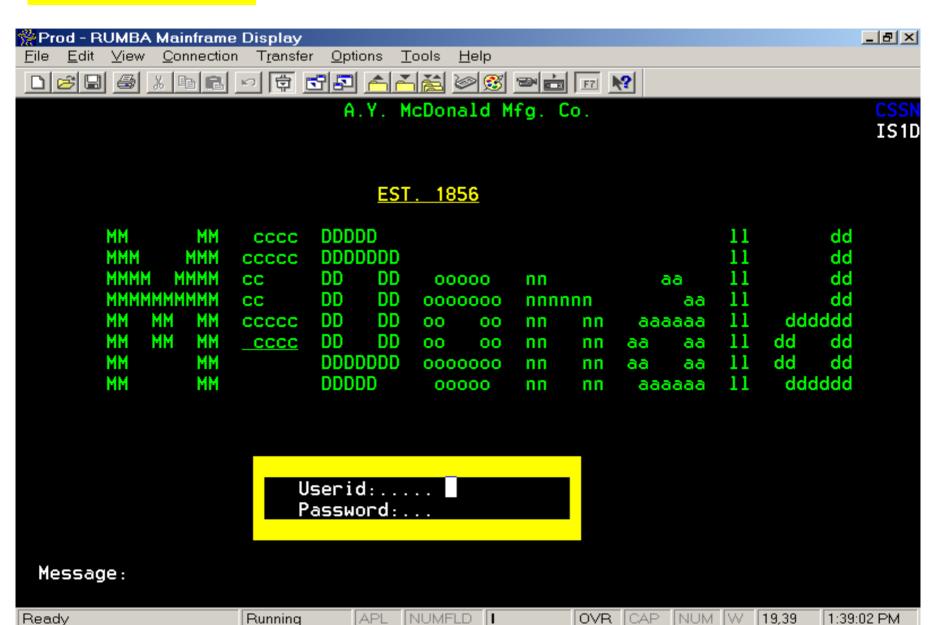
TN3270e Selection

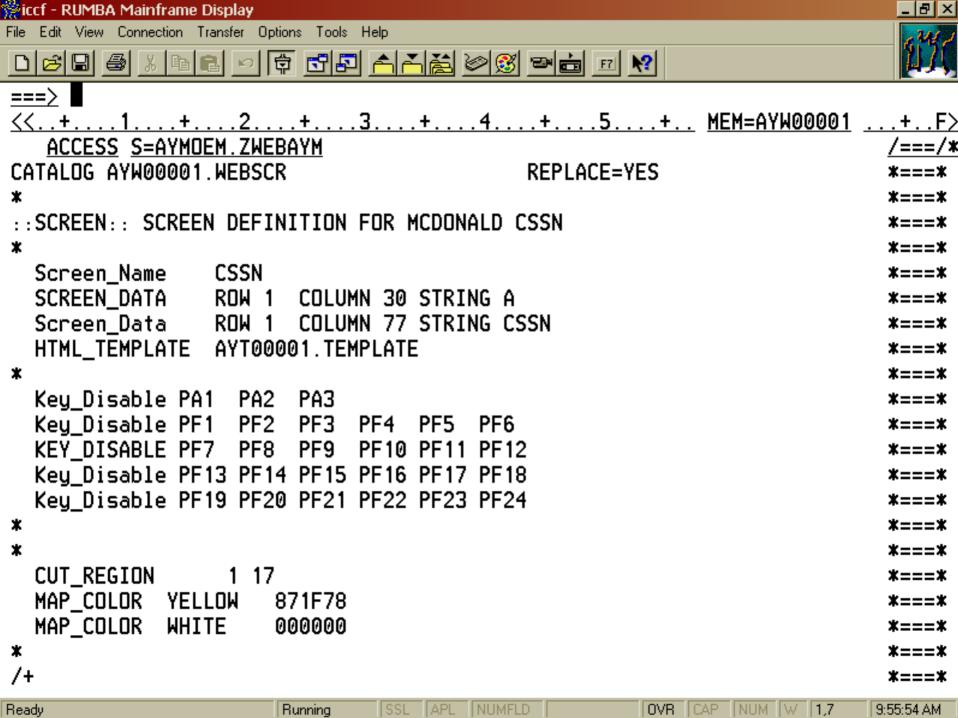


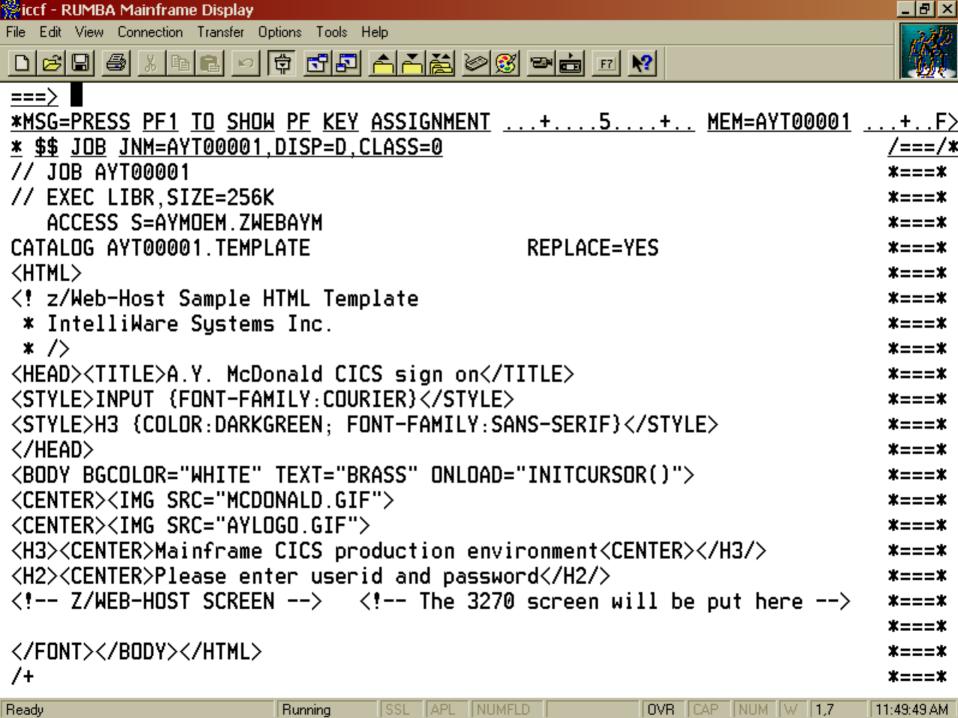




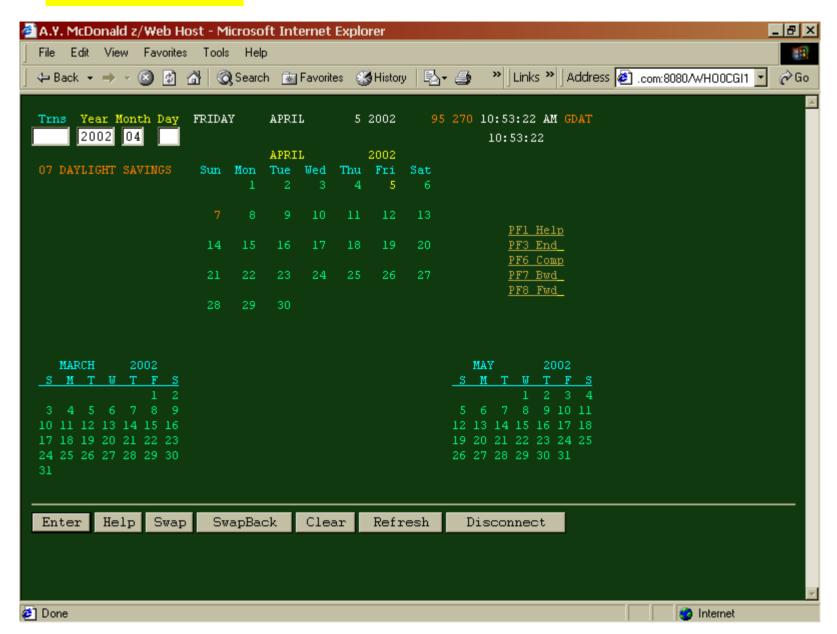
TN3270e CSSN



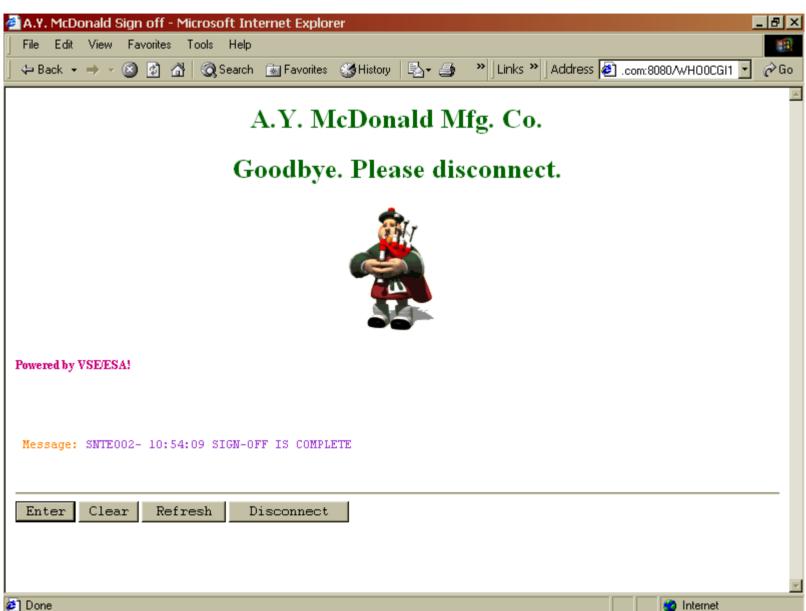




z/Web Screen







Has it been successful?

Yes!

The employees of A.Y. McDonald highly praise z/Web-Host

