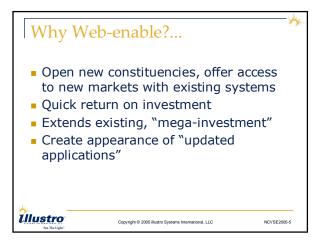


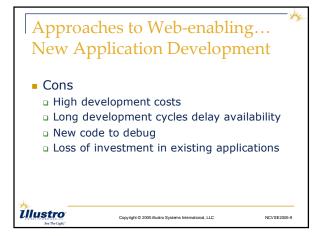
Why Web-enable? Most of the computing world uses the Internet and the Web Power of computing is in everyone's hands One simple interface---intuitive navigation Internet infrastructure provides unparalleled access Capyright © 2005 illustro Systems International, LLC NCYSE2005-4





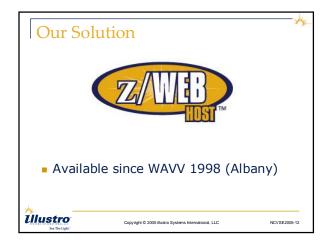
Approaches to Web-enabling... Device Emulation Pros Immediate access No application changes Cons Not true Web applications Usually three-tier implementation

Approaches to Web-enabling... New Application Development Pros New applications engineered for Web access Use existing skills for development and maintenance Still executing under CICS on the mainframe

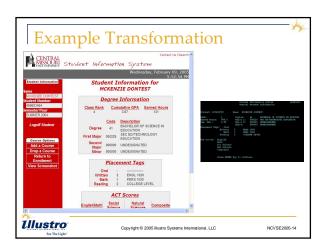


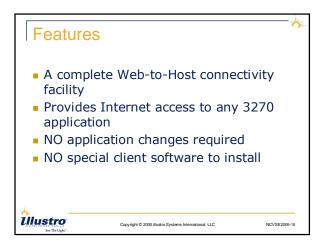
Approaches to Web-enabling... Immediate Access Pros Native Web interface No application changes required No user effort, beyond product installation VSE based solutions available Cons Limited Web enhancement of 3270 screen design No HyperText links or graphic buttons

Approaches to Web-enabling... Screen Re-engineering Pros Re-engineer 3270 screens without programming Click through menus with HyperText links or graphic buttons Two-tier VSE solution available Cons Effort required to define screen changes

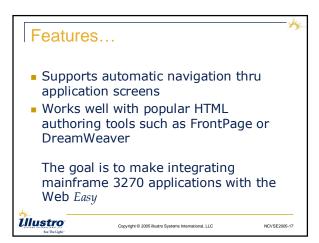


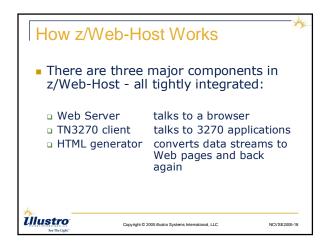


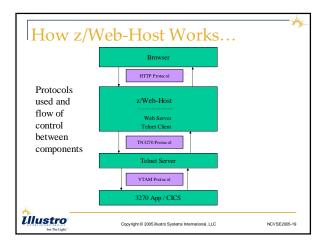


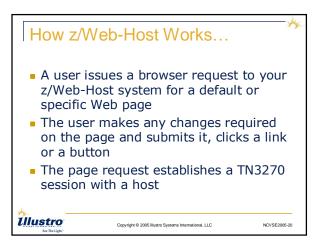


Features... A native VSE application running in a VSE partition Works well with CICS but is NOT dependent on CICS Supports customizing individual screens Supports combining data from multiple 3270 screens into a single web page









This process also establishes a unique "token" which is used for future browser to host conversations during this session for security The TN3270 session appears to the host system like a 3270 emulator client has just connected

Now the 3270 application is in control. Typically it sends out a screen to the "new 3270". The fun begins! For each output 3270 screen the following steps occur: Opyright © 2005 (Butto Systems Intentional, LLC NCVSE2005-22)

How z/Web-Host Works...

- z/Web-Host checks the screen to see if it is in the list of "WebScreens" that are defined
- If it is, the specifications in the WebScreen are applied. These can do quite a number of changes to the 3270 screen - but we will get to that.



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NCVSE2005-23

How z/Web-Host Works...

- Next the HTML generator builds a web page. This may include:
 - Data from the 3270 screen
 - Data from an "HTML template" file associated with the WebScreen or a default template
 - Data from other 3270 screens saved as z/Web-Host variables from the Application Automation Facility (AAF)



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NCVSE2005-24

How z/Web-Host Works...

- The Web page is delivered to the user's browser window by the Web Server.
 The user is now in control
- Depending on the display he may:
 - Just look at the data displayed
 - □ Fill in input fields
 - Select from pull-downs or other controls
 - Press a control key (such as a PF-key)
 - or just hit Enter



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NCVSE2005-25

How z/Web-Host Works...

- Now that the modified Web page has been submitted, z/Web-Host is in control again
 - The 3270 screen buffer is modified by mapping input fields from the received Web page to input areas on the screen
 - An inbound data stream is built from the modified data
 - □ The TN3270 client returns the new data stream to the host



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NCVSE2005-26

How z/Web-Host Works...

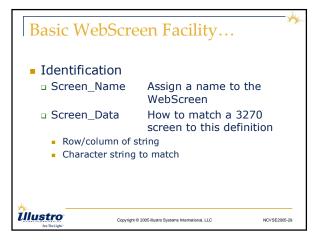
- Now the host is back in control
 - The data stream is processed and a new 3270 screen is created for output
 - □ And the whole cycle starts over again!
- It may sound complicated, but the whole process is very quick

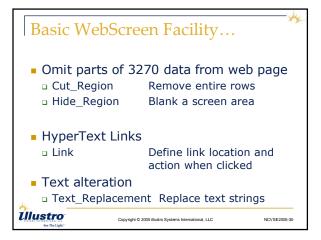


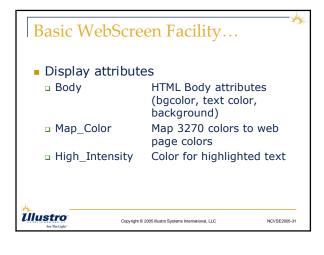
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NCVSE2005-2

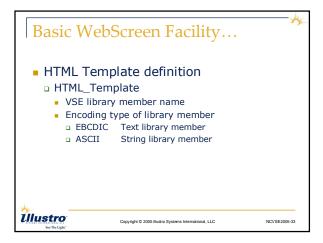
Provides instructions on how the Web page HTML is generated from the 3270 screen Free format English like statements Stored as a VSE library text member Activated automatically at start up or dynamically by developer when creating new definitions

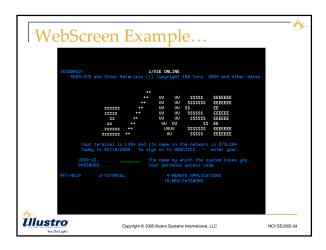


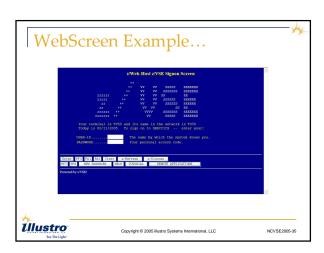


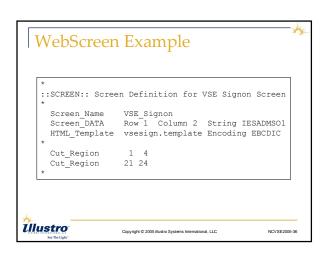


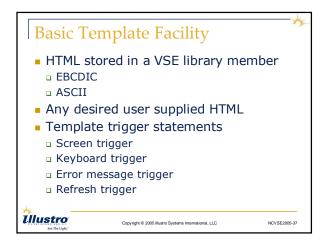


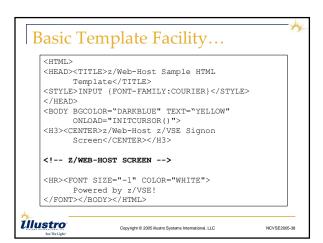




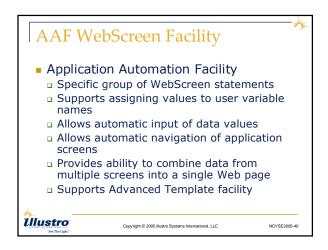


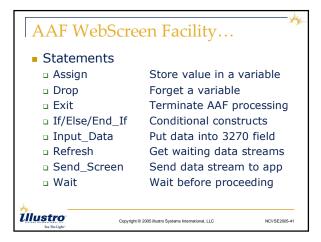












```
AAF WebScreen Facility...

Example

Assign !ZWH-acct Screen 5 10 10

If !ZWH-ctr = "ctr"

Assign !ZWH-ctr 0

End_If

Assign !ZWH-ctr !ZWH-ctr + 1

Assign !ZWH-line.!ZWH-ctr Screen 20 1 80

If "More..." = Screen 24 72 7

Send_Screen PF8

End_If
```

Use your favorite HTML generator or editor tool (FrontPage, DreamWeaver) to design the page layout and content Imbed variable names where you want the 3270 data to appear Assign the data to the variables in your WebScreen

 FTP your template to VSE library in ASCII (binary FTP).

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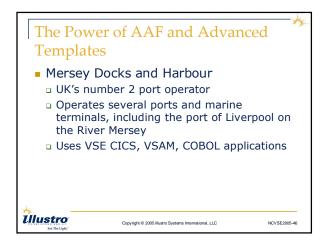
NCVSE2005-43

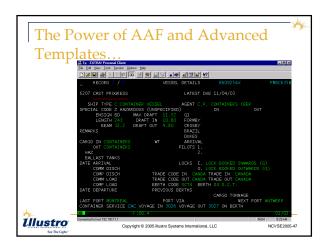
NCVSE2005-44

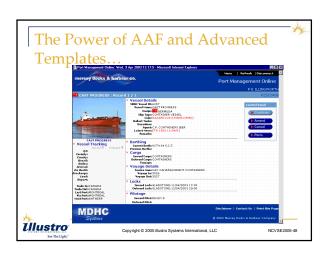
Advanced Template Facility... In your WebScreen Process_Region None No dynamic HTML Ignore_Row_Align Yes No row alignment Keyboard_Loc None No virtual keyboard HTML_Template Define template Map_Field_Name Map 3270 fields to names in HTML form Assign data to your variable names

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Advanced Template Facility... In your template Code variable names where you want the 3270 data Input field values Clear text Hidden fields used to set other variables Code input fields with names specified in WebScreen Map_Field_Name JavaScript is your friend!







Web Administration Application Secure Web application for administrators and WebScreen developers Displays for system status Dynamic system configuration Extensive command help and automatic command generation Provides control of the z/Web-Host system without accessing a VSE console Console





| Summary | - July |
|---|---------|
| Web-enabling makes your existing applications look much better | |
| Turn them into true Web applications for the greatest acceptance by users | |
| z/Web-Host provides all the tools needed for | |
| □ immediate Web access | |
| Full redesign of the application's user interface | |
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