



## z/Ware Version 2 Update

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### WAVV 2011

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## 2.0 Enhancements Review



- **Easy** Internet-enablement for your mainframe applications
  - 3270 applications
  - CICS COMMAREA applications
  - Batch applications
- Provides both Server and Client functionally



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## 2.0 Enhancements Review

- z/Ware Common Services (ZWC)
  - Support infrastructure
- Server Support
  - HTTP server
  - SOAP server
- Client Support
  - HTTP requests
  - Web Services requests
  - TN3270



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## 2.0 Enhancements Review

- User coded scripts
  - WebScreen scripts
  - Standalone scripts
  - COMMAREA scripts
- Document facility
  - Generate in-storage documents
    - Any format desired, HTML, XML, plain text
  - Created from a template
  - User variable values substituted
  - Return as request response



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## 2.0 Enhancements Review

- Web-enable any 3270 application
  - CICS and non-CICS applications
  - No program changes required
  - Automatic 3270 to HTML conversion
  - Complete page redesign and navigation redesign
  - Use any HTML editor tool to develop templates
  - Web 2.0 (AJAX) techniques can be used



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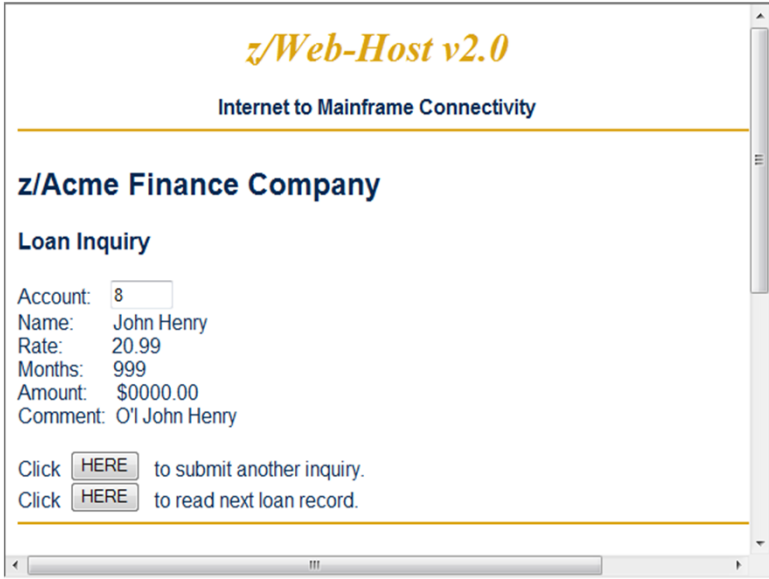
## 2.0 Enhancements Review

- CICS COMMAREA Support
  - Non-3270 interface
  - Direct program invocation by server
    - Called by script
    - COMMAREA built by script and passed
    - Updated COMMAREA returned to script
  - COMMAREA Event invoked by CICS app
    - Server receives passed COMMAREA
    - Executed script updates COMMAREA



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**z/Web-Host v2.0**  
Internet to Mainframe Connectivity

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**z/Acme Finance Company**

**Loan Inquiry**

Account:   
 Name: John Henry  
 Rate: 20.99  
 Months: 999  
 Amount: \$0000.00  
 Comment: O'l John Henry

Click  to submit another inquiry.  
 Click  to read next loan record.

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## 2.0 Enhancements Review

- Batch Applications
  - Local system API
    - Extends COMMAREA Event support to batch
    - Executed script updates COMMAREA
  - REXX interface for quick and **Easy** implementation
  - No TCP/IP or Sockets programming

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## Version 2.1 Enhancements

- Full support for BSI/IBM IPv6 (z/VSE & z/OS)
  - Type of connected stack dynamically determined
  - For IPv4 stack, old assembler Socket API still used
  - For IPv6 stack, EZASMI API used for socket support
    - Web server
    - TN3270
    - External server requests



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## Version 2.1 Enhancements

- Full support for BSI/IBM IPv6 (z/VSE & z/OS)...
  - IPv6 addresses supported
    - Configuration statements
    - Operator commands
    - Displays
    - Addresses converted by stack (NtoP/PtoN)
      - Requires stack to be running when server starts
  - Connected IPv6 stack can have coupled IPv4 stack
    - Supports both IPv4 and IPv6 traffic with one z/Ware server



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## Version 2.1 Enhancements

- Various changes to ZWC to support other products
- Support in the Web Server for file Includes for static web documents (thanks to WAVV online agenda project)
  - Text documents
  - Text documents stored in binary



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## Version 2.1 Enhancements

- Two types of 3270 sessions now supported
  - User Interface Sessions (UIS)
  - Script Driven Sessions (SDS)
- User Interface Sessions
  - Old type of 3270 sessions used to generate an interface used by a person
  - Screen drives the script
  - WebScreen controls output content



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## Version 2.1 Enhancements

- Script Driven Sessions
  - Created, navigated, terminated by user written scripts
  - Script drives the screen
  - WebScreens not triggered by session
  - 3270\_Session script statement
- Multiple 3270 sessions active at once
  - SDS sessions referenced by session name



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## Wrap Up

- Easy Internet-enablement of your mainframe applications
- Come talk to us at the Expo for additional demos and technical conversations
- If you have specific enabling requirements, lets discuss it



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