


WAVV 2006
Chattanooga, TN

Mainframe 2.0

The Future of Interacting with the Mainframe



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- illustro – Latin for “enlightened” or “to illuminate”
- Focused on creating a different approach to mainframe technology to extend the life and acceptability of the mainframe
- New products, innovative services and new technology
- The people behind illustro represent some of the best known names in the industry
 - Involved at WAVV and the IBM Tech Conferences since inception



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illustro Systems International, LLC...

- Privately held firm based in Dallas, Texas
- Offer only zSeries (mainframe) services and products
- Network of partnerships
 - IBM Business Partner
 - Fundamental Software, Inc.
 - Infocrossing, Inc.
 - International sales partnerships
- Customers across all industries depend on illustro



illustro Corporate Headquarters at the Infomart—Dallas, Texas

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illustro at WAVV 2006

- Speakers at 12 sessions on a variety of topics
 - Saturday, 10:30 a.m. – Mainframe in 2006: Where are we, and where are we going?
 - Saturday, 11:45 a.m. – .Net Programming Examples with VSE
 - Saturday, 3:00 p.m. – The HTTP Protocol
 - Sunday, 8:00 a.m. – Fundamentals of Data Encryption (z/Encrypt)
 - Sunday, 9:15 a.m. – Mainframe 2.0
 - Sunday, 11:45 a.m. – Sarbanes Oxley, HIPAA and Privacy 101
 - Sunday, 3:00 p.m. – Mainframe 2.0
 - Monday, 9:15 a.m. – CICS TS RDO Hints and Tips
 - Monday, 11:45 a.m. – CICS Performance Tips/Tuning
 - Monday, 3:00 p.m. – VSE Hot Topics
 - Monday, 5:30 p.m. – Programming with JavaScript
 - Tuesday, 9:15 a.m. – SOA and Web 2.0

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Services Description

- Turn-key, integrated services
 - MOVE™ - Hardware and software installations and migrations
 - /BUILD™ - Off-site system build and staging
 - /TUNE™ - Performance analysis and tuning
 - /PLAN™ - System capacity planning
 - /CONNECT™ - Complete TCP/IP and SNA network design and implementation
 - /ASSIST™ - CA and other third party product installation and education
 - /HELP™ - Remote system support via network access
 - /RECOVER™ - Disaster recovery planning and testing
 - /CALL™ - Telephone based support
 - iTips™ - FREE email service with valuable tips
- Subscribe at www.illustro.com/itips.htm




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Services Description

- Monthly Subscription Service
 - "All you can eat" service for telephone or remote access services
 - Unlimited remote support in the event of a total system outage
 - 24x7 support available
 - 1 time inventory and review of system layout, installation and configuration
 - Monthly email updates including service levels for IBM and 3rd party products, HIPER PTFs, tips and techniques, and other news potentially affecting the installation
 - Web-based access to iAnswers™ - illustro's online KnowledgeBase – www.illustro.com/ianswers
 - Periodic conference calls on industry topics




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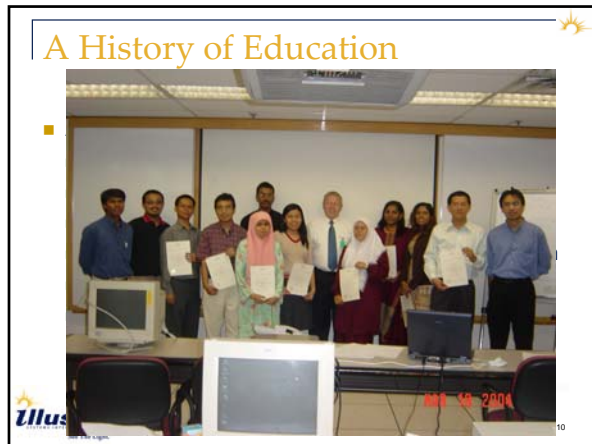


Services Description

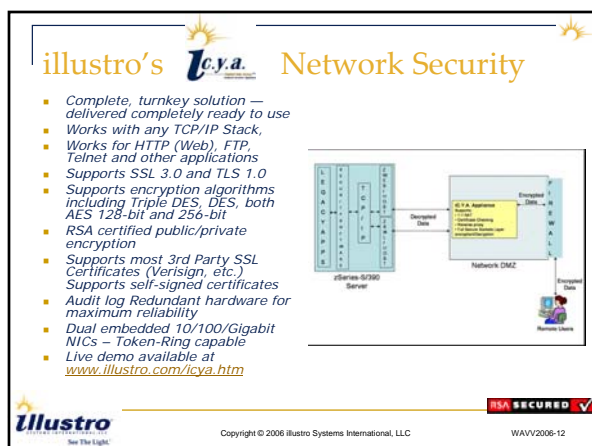
- Monthly Subscription Service...
- Performance Analysis of the System using iServer software
- Discounts
 - Discounts on on-site professional services
 - Discounts on illustro education courses
 - Discounts on illustro software
 - Disaster recovery planning, testing and preparation
- Excellent "insurance" – just like hardware maintenance, but for the system!
- Information at www.illustro.com/isos.htm



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It's 7:00.
Do you know where your backup data is?

Scary thought, isn't it?
Like a child, your precious data needs to be protected at all times, day or night. You have an abundance of critical data that you spend thousands of dollars "keeping safe" within your mainframe data center. Can your data fall into the wrong hands, unencrypted and vulnerable to misuse?

The safe haven.
Introducing z/Encrypt from illustro. z/Encrypt is an end-to-end solution that delivers secure, encrypted backup storage and transmission for your mainframe backup data.

z/Encrypt
MAINFRAME BACKUP PROTECTION

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z/Encrypt Mainframe Backup Protection

- z/Encrypt device emulates tape using industry-proven technology from Fundamental Software, Inc.
- Attached via ESCON channel
- Tape data encrypted at rest
- Full encryption capabilities for any existing backup structure
- No need to use special utilities
- Automatically uploads files to remote z/Encrypt device
- Optional Portable RAID Enclosures

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z/Encrypt Mainframe Backup Protection

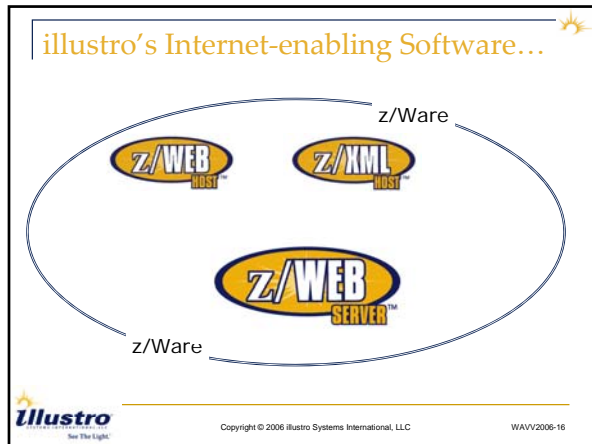
IBM Mainframe → **z/Encrypt™ Local System** (Your Mainframe Data Center) → **z/Encrypt™ Remote System** (Disaster Recovery Center) → **DR Mainframe** (optionally connected)

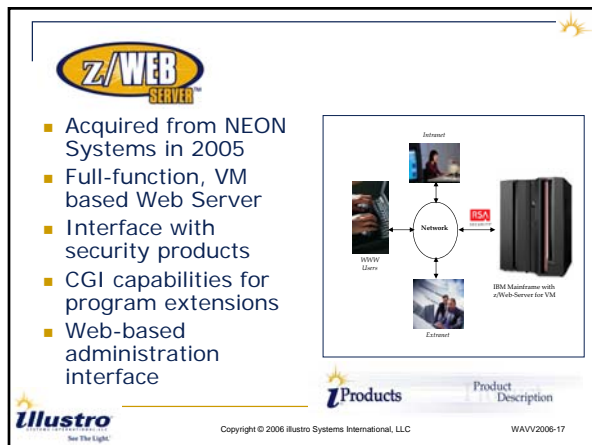
z/Encrypt™ Local System
• Automatic tape-to-disk
• Data is encrypted at rest
• Encrypted tape datasets are uploaded to remote z/Encrypt Remote System automatically

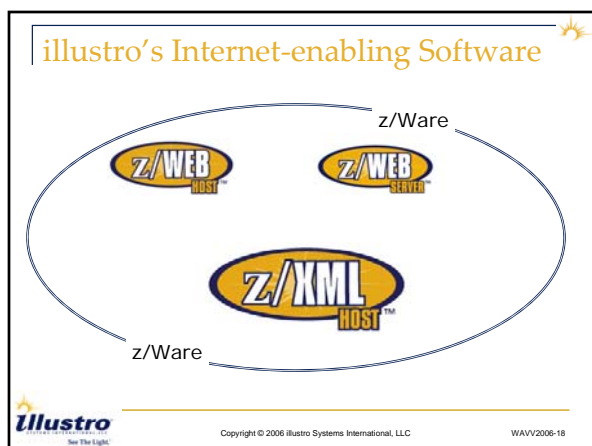
z/Encrypt™ Remote System
• Encrypted and secure encrypted data over communications link
• Critical data is always "backed" and ready for restore
• Eliminates the time to access data during recovery
• Provides "disaster recovery" of sensitive and critical data

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illustro's Internet-enabling Software...

- Easy is the term
- Different by design
 - All z/Ware products run directly on the mainframe
 - Simple installation and implementation
 - All products are completely independent, and don't rely upon less-reliable components (e.g. CICS Web Interface)



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IT'S OKAY TO TALK TO STRANGERS






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- Transform *any* 3270 application data into industry standard eXtensible Markup Language (XML) document
- XML documents allow for data to be shared across data, system and processing architectures and environments
- Implement Web Services capabilities; allow your mainframe to participate in a Service Oriented Architecture (SOA)
- No changes required to any existing application
- Open your mainframe data and applications to Java, .Net, even Microsoft Office




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Product Description

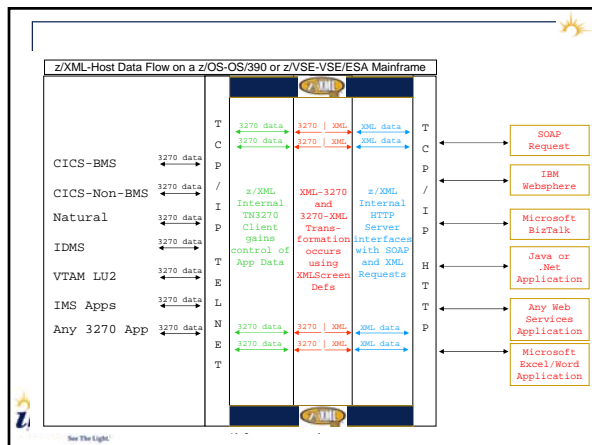
- Does not use CICS for access
 - Advantages:
 - Supports all applications
 - Does not utilize critical CICS resources
 - Does not need unstable and complicated 3270 Bridge
 - Does not rely upon CICS Map Names which may be unusable
 - XMLScreen provides ability to easily eliminate data, rename fields
 - Easy to write client side programs to interact
 - Visual Basic sample apps distributed with download
 - VSE console
 - OS/390 console







Product Description


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Welcome to AFFIRMATIVE



- Recent Success Story
 - Affirmative Automobile Insurance
 - .Net application for claims interfacing with mainframe policy database
 - Data from up to 30 screens is combined into one XML document
 - Customer files a claim online, policy data is retrieved dynamically and merged into customer's claim data






Product Description

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Mainframe 2.0


- “Web 2.0” defining new approach to Web interfaces
 - In-depth look on Tuesday at 9:15
 - Loose definition, but involves users helping the application to grow organically, e.g. Wikipedia, Flickr
 - More dynamic interfaces closer to desktop functionality
- AJAX – Asynchronous JavaScript and XML

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Mainframe 2.0...

- AJAX means better Web interfaces
- Desktop app behavior
 - Drag and drop
 - Right-mouse click, context-sensitive menus
 - More data without screen refresh
- Changes the entire experience
- With all the benefits of access from a Web browser

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Google™ Early Adopter of AJAX

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Mainframe 2.0...

- Inherent strengths of the mainframe
 - Reliability
 - Affordability
 - Scalability
 - Security
 - Recovery
- But....the interfaces have to be changed in order for the mainframe to be accepted



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Mainframe 2.0





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Mainframe 2.0...

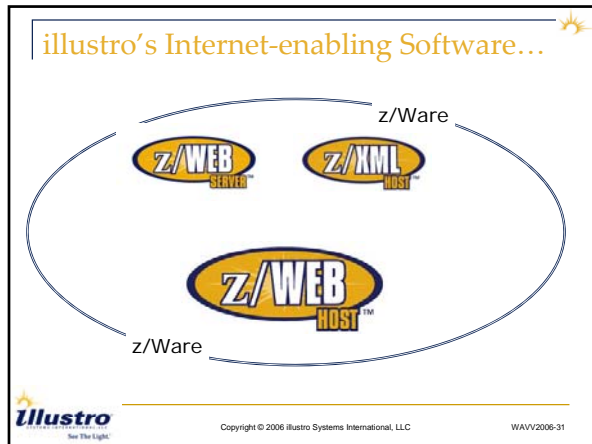




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illustro's Internet-enabling Software...
YOUR MAINFRAME APPS ON MONDAY.


YOUR MAINFRAME APPS ON THURSDAY.

**TAKE FRIDAY OFF.
IT'S THAT EASY.**


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ABRACADABRA!

Magically TRANSFORM
**YOUR MAINFRAME IN JUST DAYS...
IT'S THAT EASY!**

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KICK ME.

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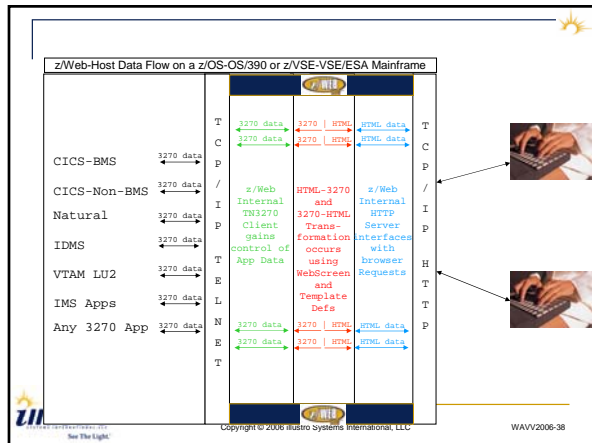


Benefits

- Grants instant access to existing application systems
- Uses standard browser interface
- Instantly transforms 3270 application to intuitive, Web-browser interface
- Saves money by eliminating re-deployment

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Features

- You control the level of customization
 - Different levels
 - Simple, default 3270 screen translation
 - General installation template
 - Advanced HTML Templates






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Customer Prototypes

http://www.illustro.com/zwebhost_examples.htm

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Mainframe 2.0...





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Mainframe 2.0...

- Inherent strengths of the mainframe
- +
- Open data and applications paths (XML/Web Services)
- +
- Transformed, rich interfaces
- =
- Mainframe 2.0



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- z/Web-Host is licensed on concurrent sessions
- Live demo is available from our web site on an actual VSE/ESA or OS/390 system
 - www.illustro.com/livedemos.htm
 - Software and documentation can be downloaded, installed for 30 day trial
- Hands-on in the Vendor Expo starting Sunday at 12:45



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WWW.ILLUSTRO.COM/ZWEBHOST.HTM

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