WAVV 2008
Chattanooga, TN

See What You've Been Missing in TCP/IP

PG PROFANITY GONE
ALL CUBICLES SUITABLE FOR CHILDREN

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Copy of Presentation →illustro.com/conferences

iBrowse

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illustro Systems International, LLC

- 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
- Long history of commitment to VSE
  - We own VSEESA.com and zVSE.com!

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illustro SYSTEMS INTERNATIONAL, LLC
See The Light.™

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illustro Systems International, LLC…

- Privately held firm based in Dallas, Texas
- Offer only System z (mainframe) services and products
- Network of partnerships
  - IBM Development Partner
  - IntellinX
  - International sales partnerships
- Customers across all industries depend on illustro

illustro Corporate Headquarters at the Infomart—Dallas, Texas

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illustro Systems International, LLC…

Moore-Handley, Inc.

DAVIS VISION THE EYECARE ADVANTAGE

COLEMAN CABLE

ACS

DELTA DENTAL Delta Dental Plan / New Jersey

New York State Unified Court System

SCICOM DATA SERVICES

AFFIRMATIVE INSURANCE SERVICES

WASHINGTON COURTS

A.O. SMITH ELECTRICAL PRODUCTS COMPANY

MOOG

ADI

Castle Metals "The Bar Professionals™"

tyco

Registrar and Transfer Company Professional Stock Transfer Services Since 1899

FUJIFILM

Adelphia

Armstrong

clarkpublicutilities.com LLC

FIRST DATA

iServices

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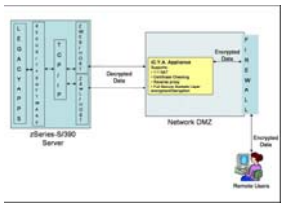
A History of Education

on

V2008-10

illustro's i.c.y.a. Network Security

- *Complete, turnkey solution — delivered completely ready to use*
- *Works with any TCP/IP Stack,*
- *Works for HTTP (Web), FTP, Telnet and other applications*
- *Supports SSL 3.0 and TLS 1.0*
- *Supports encryption algorithms including Triple DES, DES, both AES 128-bit and 256-bit*
- *RSA certified public/private encryption*
- *Supports most 3rd Party SSL Certificates (Verisign, etc.) Supports self-signed certificates*
- *Audit log Redundant hardware for maximum reliability*
- *Dual embedded 10/100/Gigabit NICs – Token-Ring capable*
- *Live demo available at Ilustro.com/icya*



RSA SECURED

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iSecurity Product Description

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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iSecurity Product Description

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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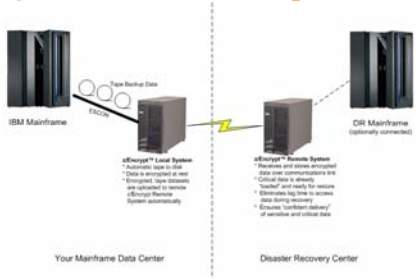
z/Encrypt Mainframe Backup Protection



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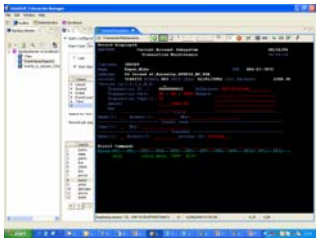
System Access Audit Appliance



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iProducts

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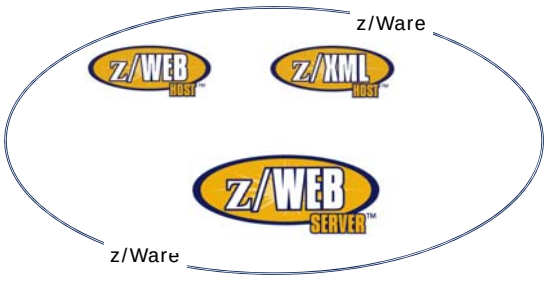
illustro's Internet-enabling Software…



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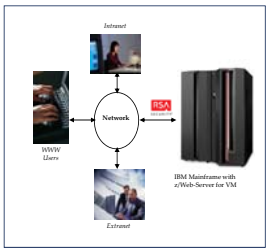
z/WEB SERVER

- Acquired from NEON Systems in 2005
- Full-function, VM based Web Server
- Interface with security products
- CGI capabilities for program extensions
- Web-based administration interface



iProducts Product Description

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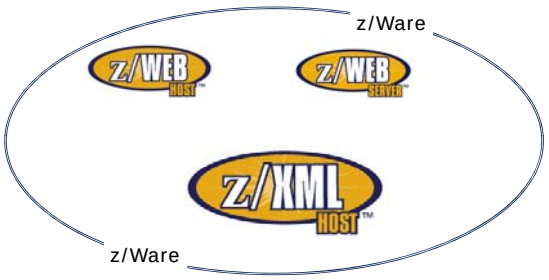
illustro's Internet-enabling Software



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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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Extending the Mainframe's Appeal

- Users want to interact with information in a way that is familiar, and intuitive
- Reduces barriers to usage
- Improves acceptability
- Reduces training
- Most importantly---allows the mainframe to just be another provider of information

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IT'S OKAY TO TALK TO STRANGERS

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Z/XML HOST

- 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 capabilites; 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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- 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

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illustro's Internet-enabling Software…

z/Ware

z/Ware

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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

iProducts Product Description

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Customer Prototypes

http://illustro.com/zwebhost

iBrowse

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Mainframe 2.0

- "Web 2.0" defining new approach to Web interfaces
  - 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 is one (very popular) method of delivering Rich Internet Applications (RIA)
- 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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Exciting News for VSE Users!!

- New software aimed at easing the pain
- zIPMon™ SEE WHAT YOU'VE BEEN MISSING.™

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zIPMon SEE WHAT YOU'VE BEEN MISSING.

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- Comprehensive monitoring tool for TCP/IP for VSE – (IBM,BSI or Connectivity)
- Revolutionary interface using AJAX/Web design
  - No 3270 interface
  - Important because *any* network personnel can use
  - First mainframe product in the world to feature *only* a 100% AJAX interface

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- Provides live, dashboard interface for all network activity
- Alert interface for notification of critical events
- Retrospect™ feature replays archived data
- Complete, formatted packet trace facility for diagnostic use
- TCP/IP Command Interface

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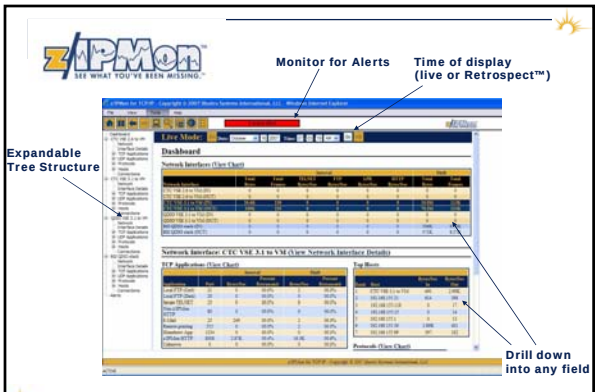

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Most views also available as graphs
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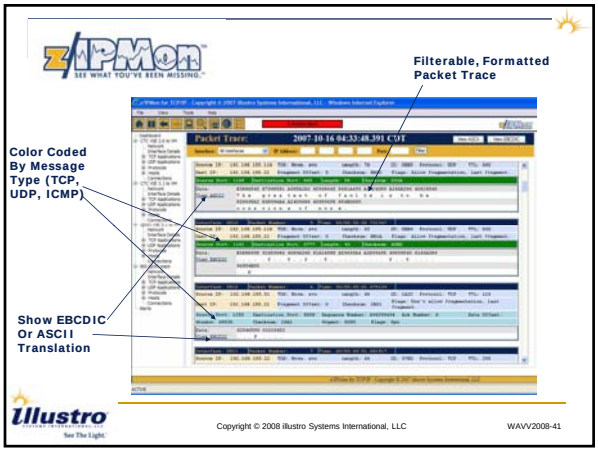
Filterable, Formatted Packet Trace
Color Coded By Message Type (TCP, UDP, ICMP)
Show EBCDIC Or ASCII Translation
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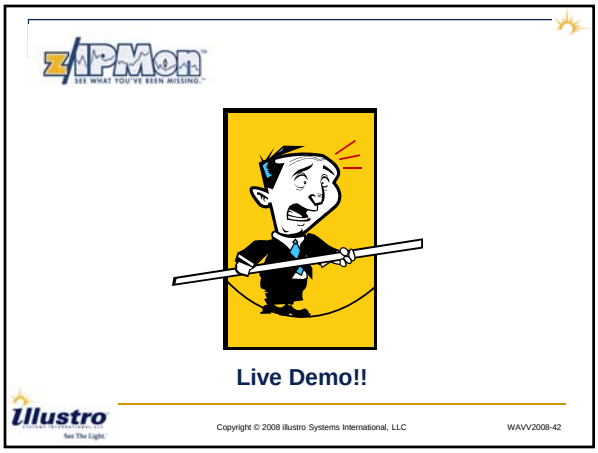
Live Demo!!
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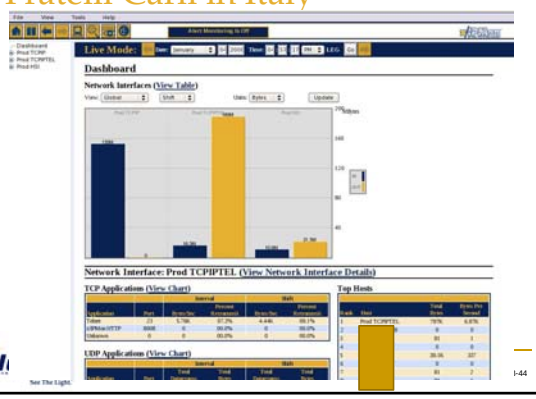
Fratelli Carli in Italy

08-43

Fratelli Carli in Italy



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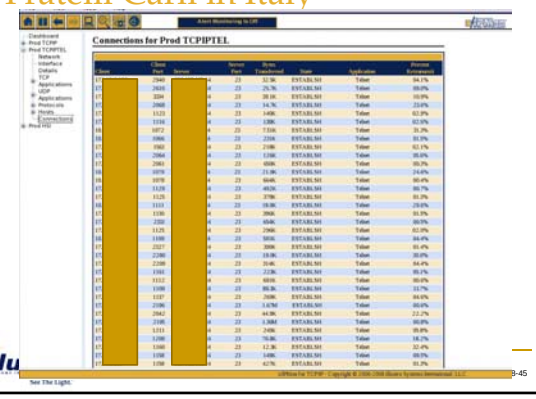
Fratelli Carli in Italy



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- Hands-on demo outside at the illustro booth
- Product is currently Open Beta status
- All may participate/special pricing
  - zipmon.com/beta
- All attendees of the 2 sessions are eligible to participate in a drawing for 1 FREE license
- Provide business card to anyone from illustro before leaving this session

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