

See What You've Been
Missing in TCP/IP

WAVV 2008
Chattanooga, TN


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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→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...

- 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 Informant—Dallas, Texas



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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

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Services Description

- Monthly Subscription Service
 - Monthly subscription 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 illustro.com/isos

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A History of Education

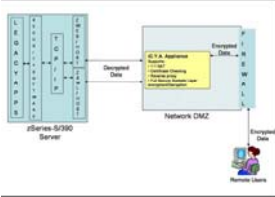


on

2008-10

illustro's **ic.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 illustro.com/icya




illustro See The Light. Copyright © 2008 illustro Systems International, LLC **Security** Product Description **RSA SECURED**

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.



illustro See The Light. Copyright © 2008 illustro Systems International, LLC **Security** Product Description


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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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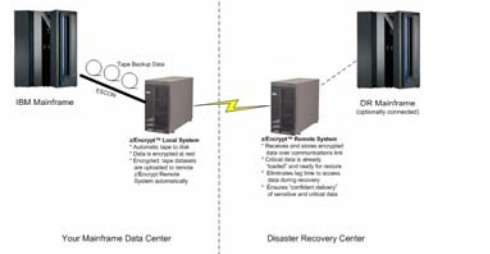
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Product Description



Mainframe Backup Protection



IBM Mainframe → **z/Encrypt Local System** → **z/Encrypt Remote System** → **DR Mainframe (optionally connected)**


Your Mainframe Data Center **Disaster Recovery Center**

z/Encrypt Local System:

- z/Encrypt tape to disk
- Data is encrypted at rest
- Encrypted tape datasets are selected to restore
- z/Encrypt Remote System automatically


z/Encrypt Remote System:

- Restores and stores encrypted data over communications link
- Critical data is already backed up and ready to restore
- Eliminates lag time to access data during recovery
- Eliminates redundant storage of sensitive and critical data



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Product Description



YOUR NEWEST HOT SHOT RECRUITS MIGHT BE DOING ALL THE WRONG THINGS... BEHIND YOUR BACK.

STOP POTENTIAL LEGAL MATTERS - TRACK INTERNAL DATA ACCESS.

Control and intelligent records are what you look for in new hires to help boost your competitive industry. But don't allow those attributes to **destroy the integrity of your business.**

That's where Illustro's KnowSM System comes in! Using patented technology, KnowSM System allows you to capture every single screen passing through your system or you can monitor any unauthorized access of company data. KnowSM System and KnowSM System to monitor you can stop a person monitoring capability to satisfy audit requirements, even establish a proactive environment within your IT security system. Then you can decide if it's being viewed or used correctly.

Know What's HappeningSM - Keep an eye on who's using your data. Call Illustro at www.illustro.com today.





EVEN THOUGH YOUR TOP EMPLOYEES HAVE YOUR AUTHORIZATION TO VIEW PERSONAL DATA, THEY MAY BE USING IT AGAINST YOU.

REGULATIONS COMPLIANCE CAN BE BYPASSED BY INTERNAL THREAT.

Behind every work potential disaster event... Compliance with regulations and privacy legislation, including Sarbanes-Oxley, HIPAA and GLBA should have you more than just concerned... **you should be notified.**

The KnowSM System, with Illustro's KnowSM System Screen Audit Application using patented technology, every mainframe, AS/400 or Web screen passing through your network is captured and archived in a fully searchable database. Every screen and keypress is recorded, allowing you to decide if it's being viewed or used correctly.

Know What's HappeningSM - Put an end to Internal Threat. Call Illustro at www.illustro.com today.






System Access Audit Appliance



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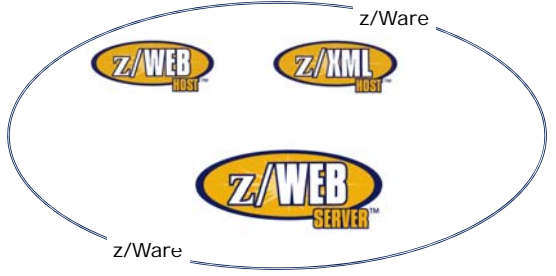
Product Description



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illustro's Internet-enabling Software...

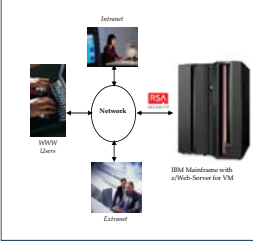





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- Acquired from NEON Systems in 2005
- Full-function, VM based Web Server
- Interface with security products
- CGI capabilities for program extensions
- Web-based administration interface

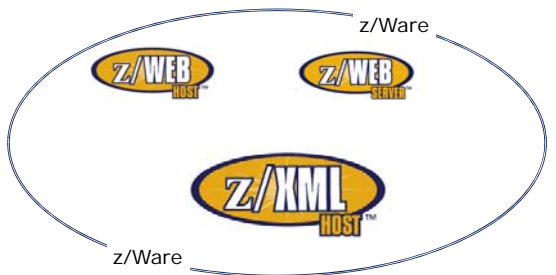





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illustro's Internet-enabling Software






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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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- 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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use Affirmative -- a company
you and your clients can depend on



■ Recent Success Story

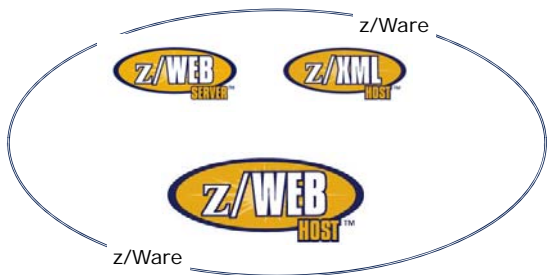
- Affirmative Automobile Insurance
- .Net application for claims interfacing with mainframe policy database
- Data from up to 30 screens is combined into one XML document
- Customer files a claim online, policy data is retrieved dynamically and merged into customer's claim data




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illustro's Internet-enabling Software...






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KICK ME.

STILL USES 3270!






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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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Customer Prototypes

<http://illustro.com/zwebhost>






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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



AJAXWORLD
CONFERENCE & EXPO
Web 2.0 and Rich Internet Apps
MARCH 19-20, 2008 • NEW YORK CITY
WWW.AJAXWORLD.COM




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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
-
-
-




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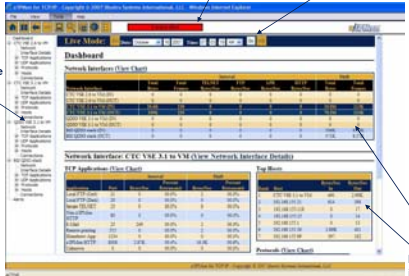
- Provides live, dashboard interface for all network activity
- Alert interface for notification of critical events
- Retrospect™ feature replays archived data
- Complete, formatted packet trace facility for diagnostic use
- TCP/IP Command Interface

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Monitor for Alerts Time of display (live or Retrospect™)

Expandable Tree Structure



Drill down into any field

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Most views also available as graphs



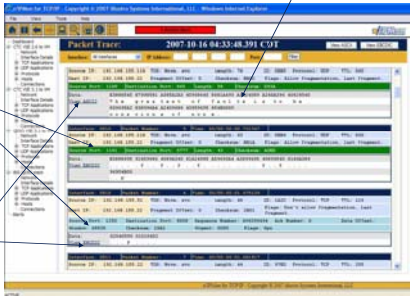
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SEE WHAT YOU'VE BEEN MISSING™



Filterable, Formatted Packet Trace

Color Coded By Message Type (TCP, UDP, ICMP)


Show EBCDIC Or ASCII Translation



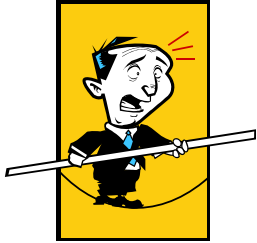
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Live Demo!!



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SEE WHAT YOU'VE BEEN MISSING.™


- 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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