

Bringing EDI to the Internet

Dennis Holland
Comm-Press Technologies, Inc. Vice President of
Marketing



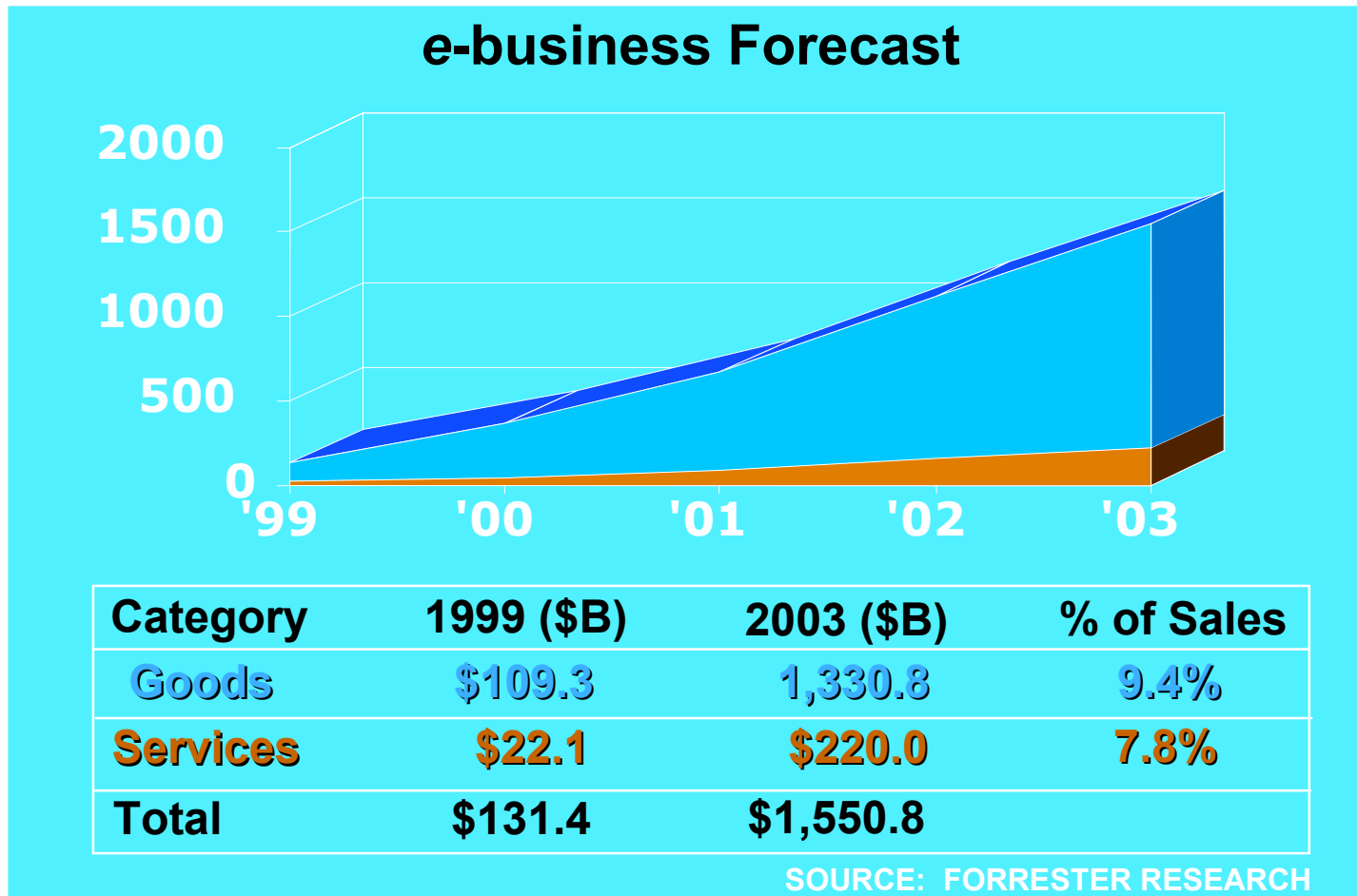
The Millennium Marketplace

“By the year 2003, more than 1.5 trillion will be spent on business-to-business e-commerce.”

Forrester Research

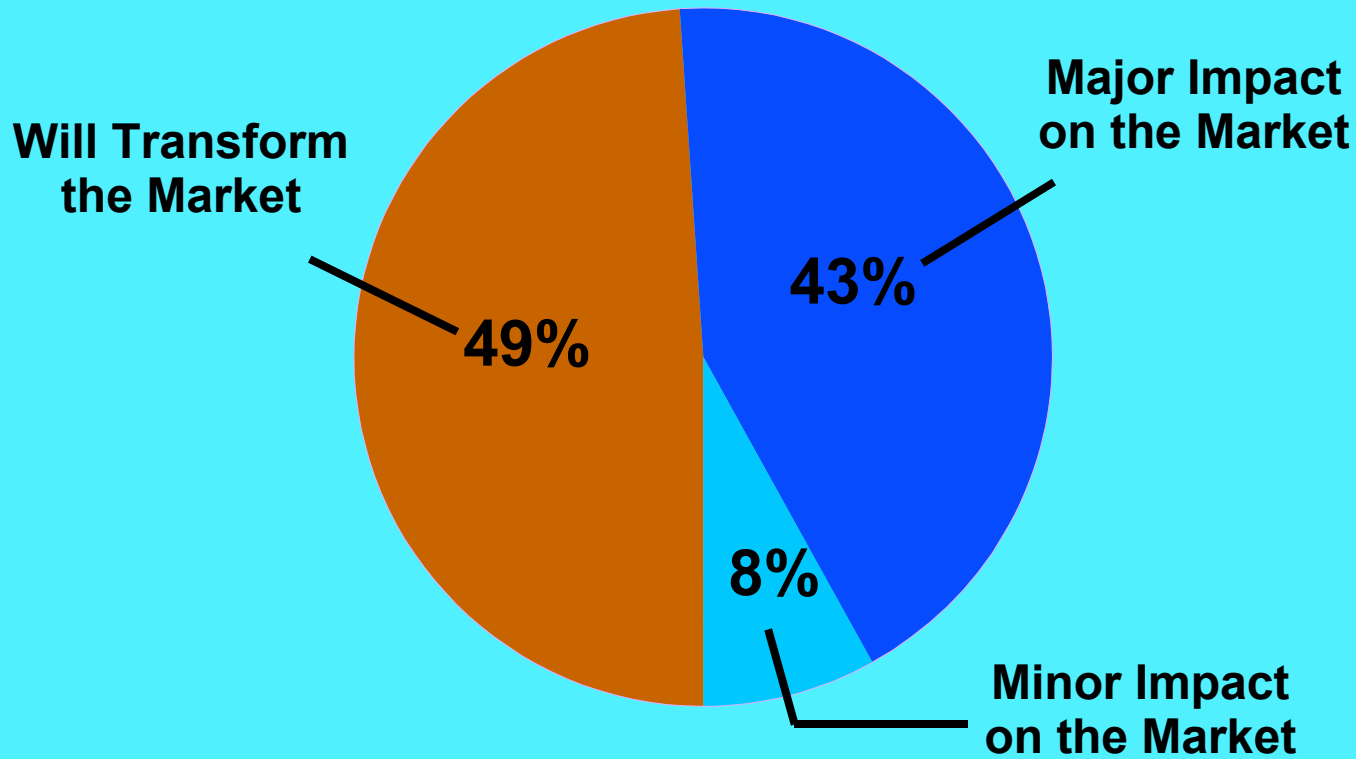


The Millennium Marketplace



The Millennium Marketplace

The Net's Impact on the World Marketplace Within 3 Years



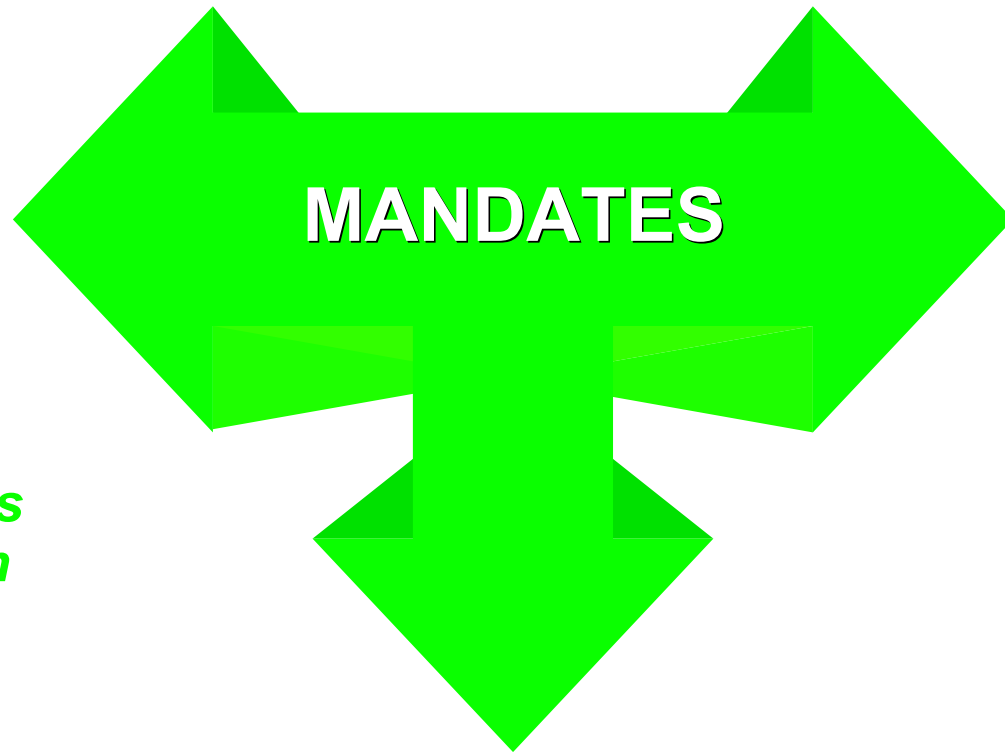
FROM A SURVEY OF MORE THAN 500 CEOs AND BUSINESS LEADERS WORLDWIDE. SOURCE: "COMPETING IN THE DIGITAL AGE," BOOZ-ALLEN & HAMILTON AND THE ECONOMIST



Marketplace Mandates

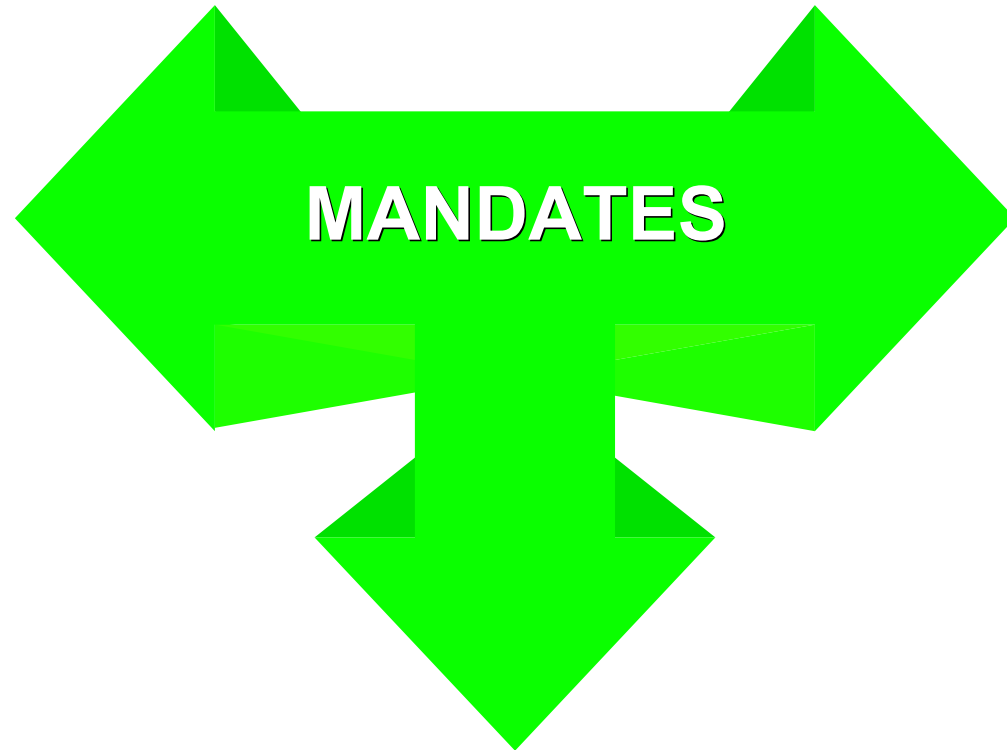
**Maximize
Your Speed
to Market**

*Your business strategy
will only be as good as its
timeliness and execution*



Marketplace Mandates

**Maximize
Your Speed
to Market**

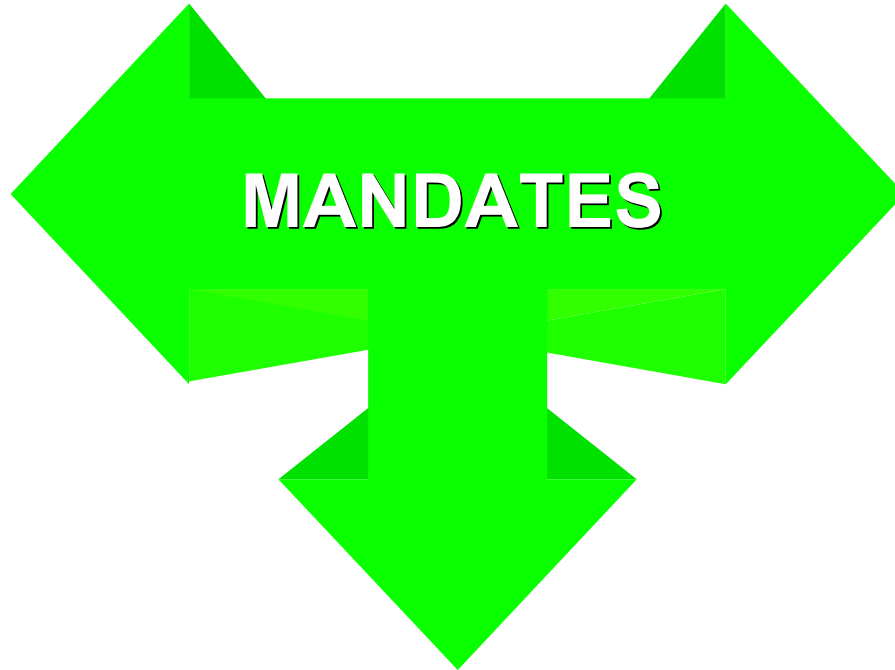


**Accelerate Your Revenues
and Market Share Growth**
*Your stockholder and trading community
confidence will depend on it*



Marketplace Mandates

**Maximize
Your Speed
to Market**

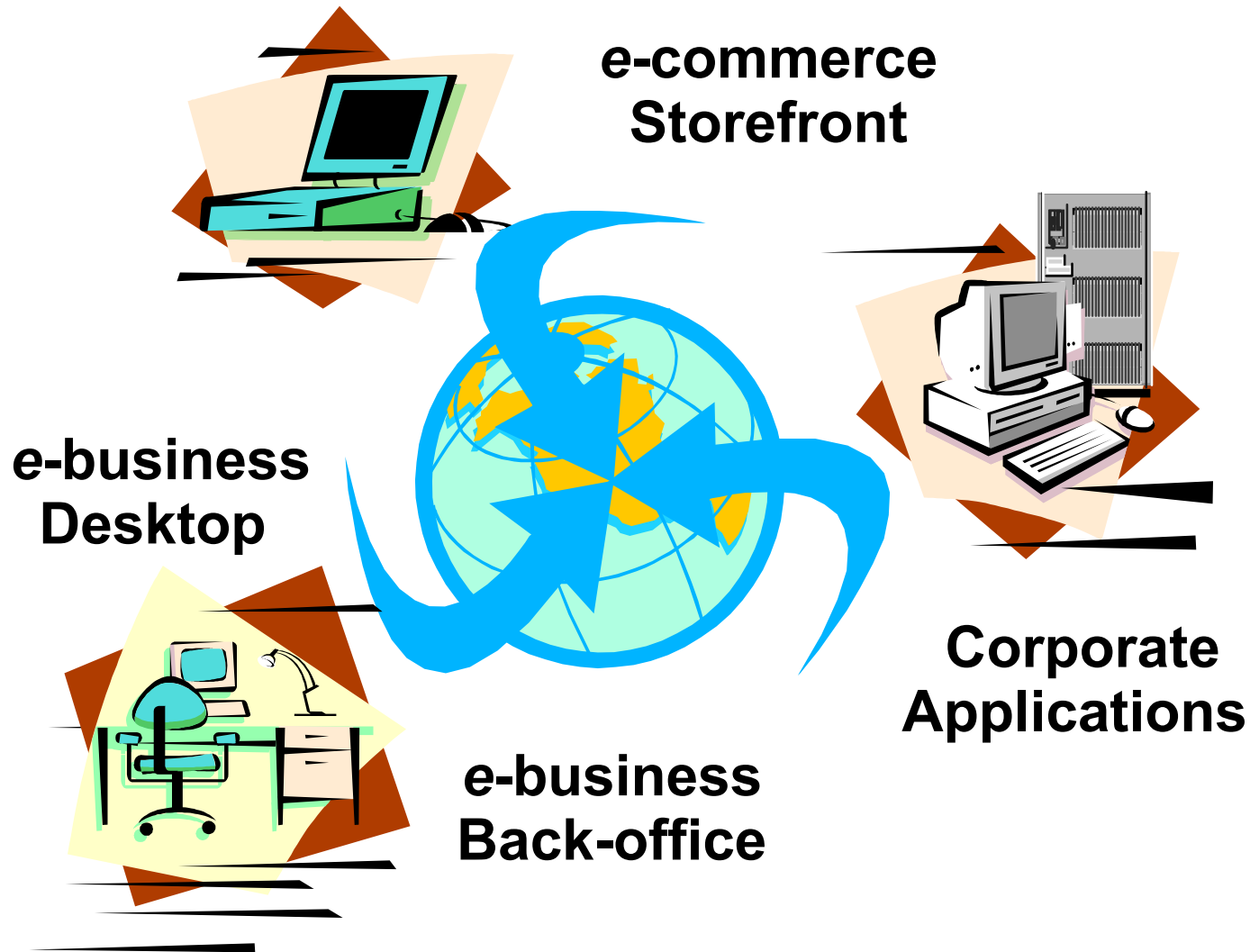


**Make Internet
Technologies
Work for You**
*Your ability to compete,
prosper and grow will
require it*

**Accelerate Your Revenues
and Market Share Growth**



Exploiting the Millennium Marketplace



Exploiting the Millennium Marketplace

You Must Use a “Component” Strategy to:



- ✦ Enhance your ability to react to new technologies/standards
- ✦ Provide the freedom to quickly change vendors and products as your market demands
- ✦ Create best total value in terms of responsiveness, reliability, security and cost



Making Component Decisions



✦ Business Process(es)



✦ Access



✦ Transport



✦ Security / Compression



✦ Data Transformation



✦ Hosting



✦ Delivery and Deployment



Marketplace Confusion

Access?

Internet Extranet VANs

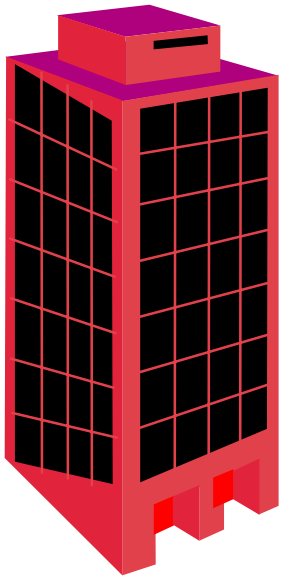
Transport

Security / Compression

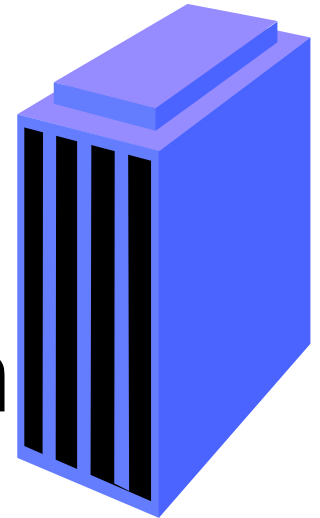
Data Transformation

Hosting

Delivery and Deployment



Business Partner



Business Partner



Marketplace Confusion

Access

Internet Extranet VANs

Transport?

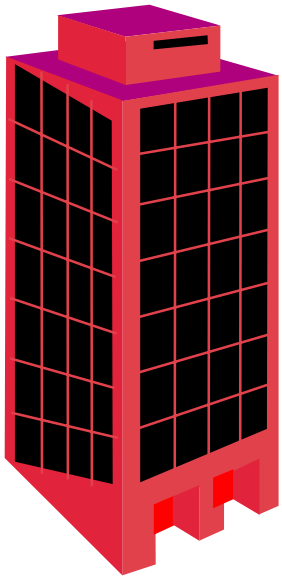
ASYNCR SNA FTP MQSeries
BISYNCR HTTP SMTP

Security / Compression

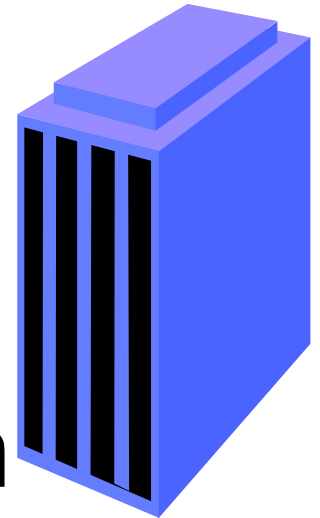
Data Transformation

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Business Partner



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Marketplace Confusion

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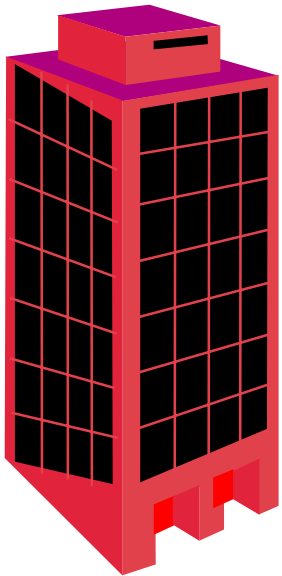
Security / Compression?

S/MIME X12.58 SSL 3.0
ISO Certificate Authority

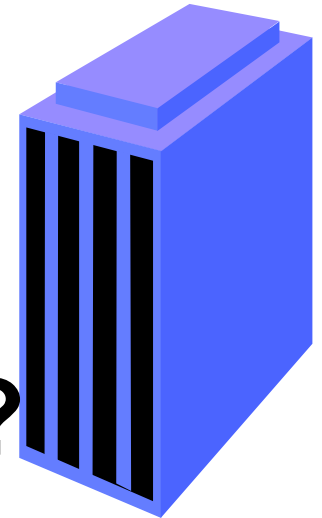
Data Transformation

Hosting

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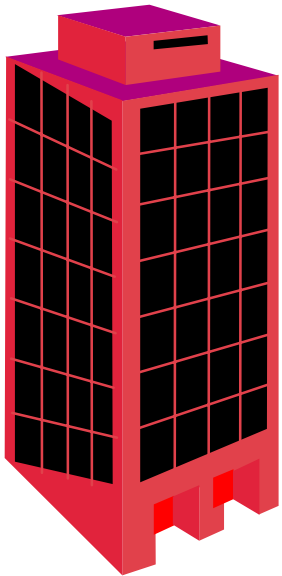
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Data Transformation?

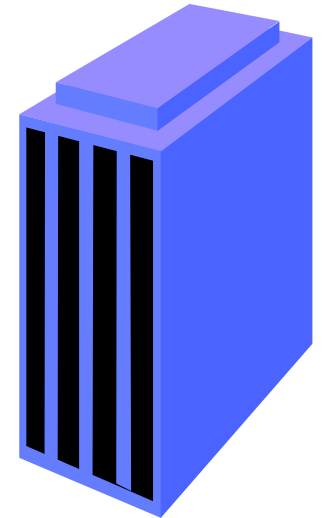
HTML XML EDIFACT X12

Hosting

Delivery and Deployment



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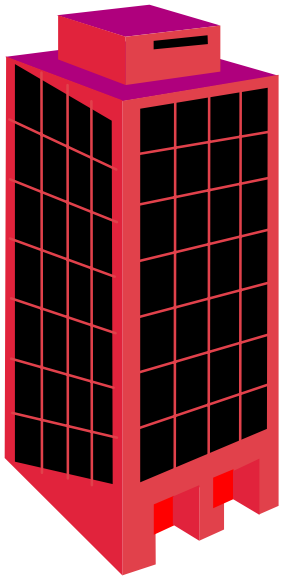
Data Transformation

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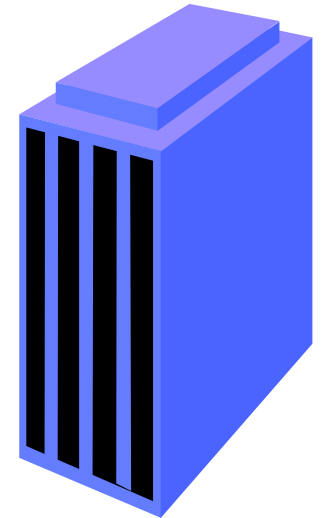
Hosting?

ISP Outsource ASP In-House

Delivery and Deployment



Business Partner



Business Partner



Marketplace Confusion

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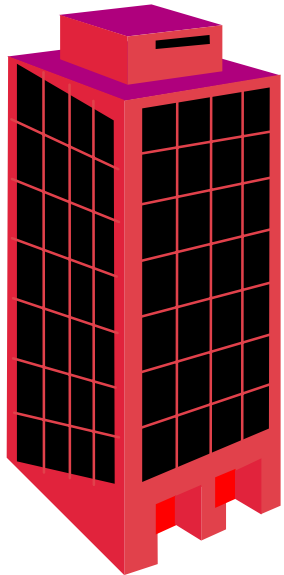
HTML XML EDIFACT X12

Hosting

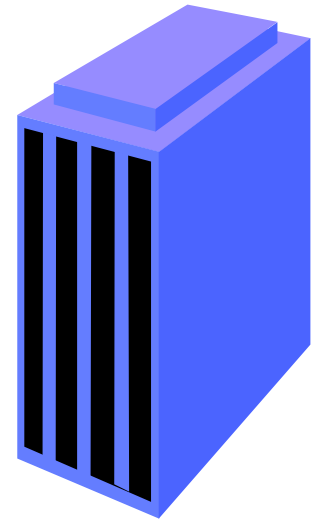
ISP Outsource ASP In-House

Delivery and Deployment?

In-House Local Build ASP
Remote Maintenance Buy



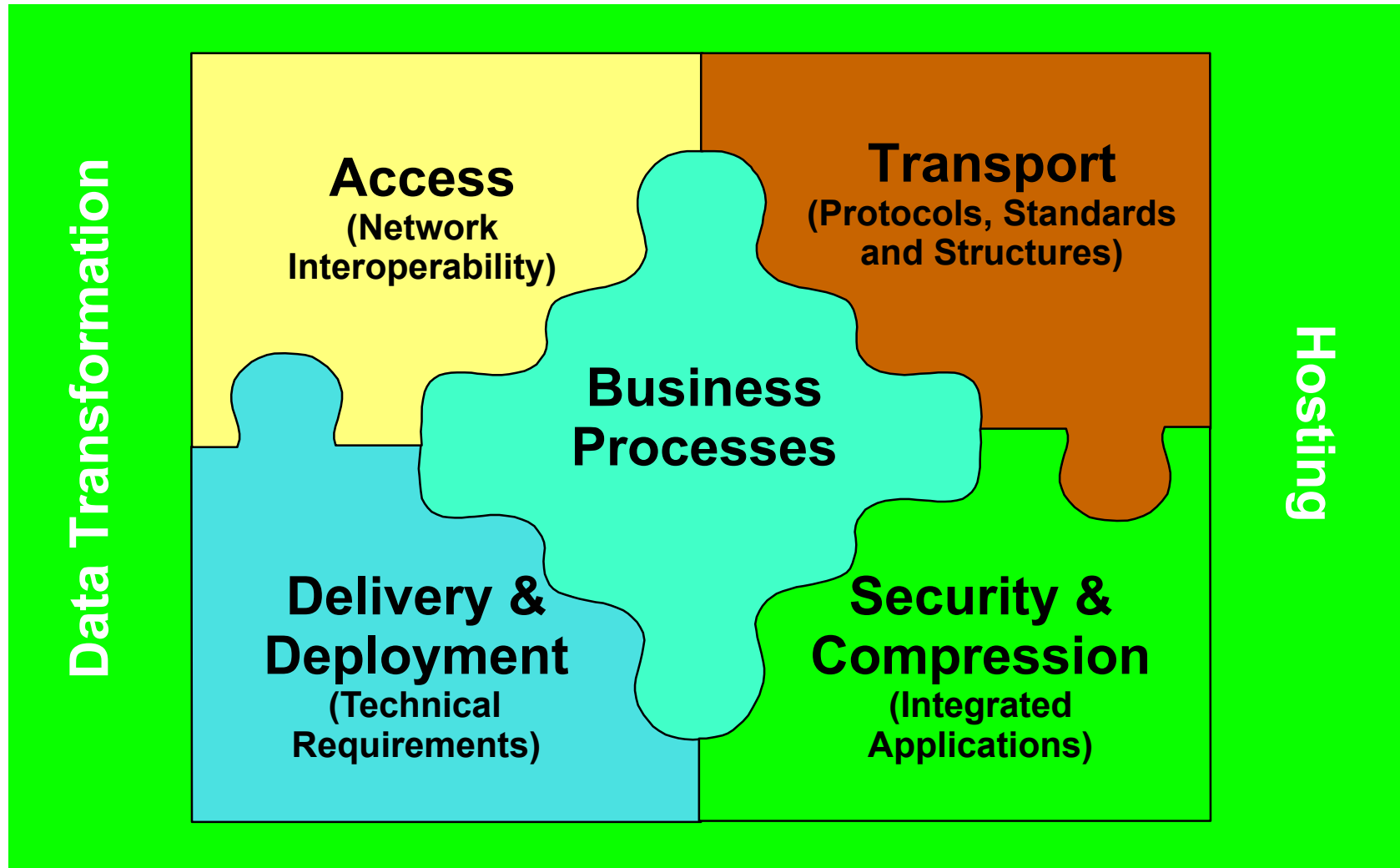
Business Partner



Business Partner

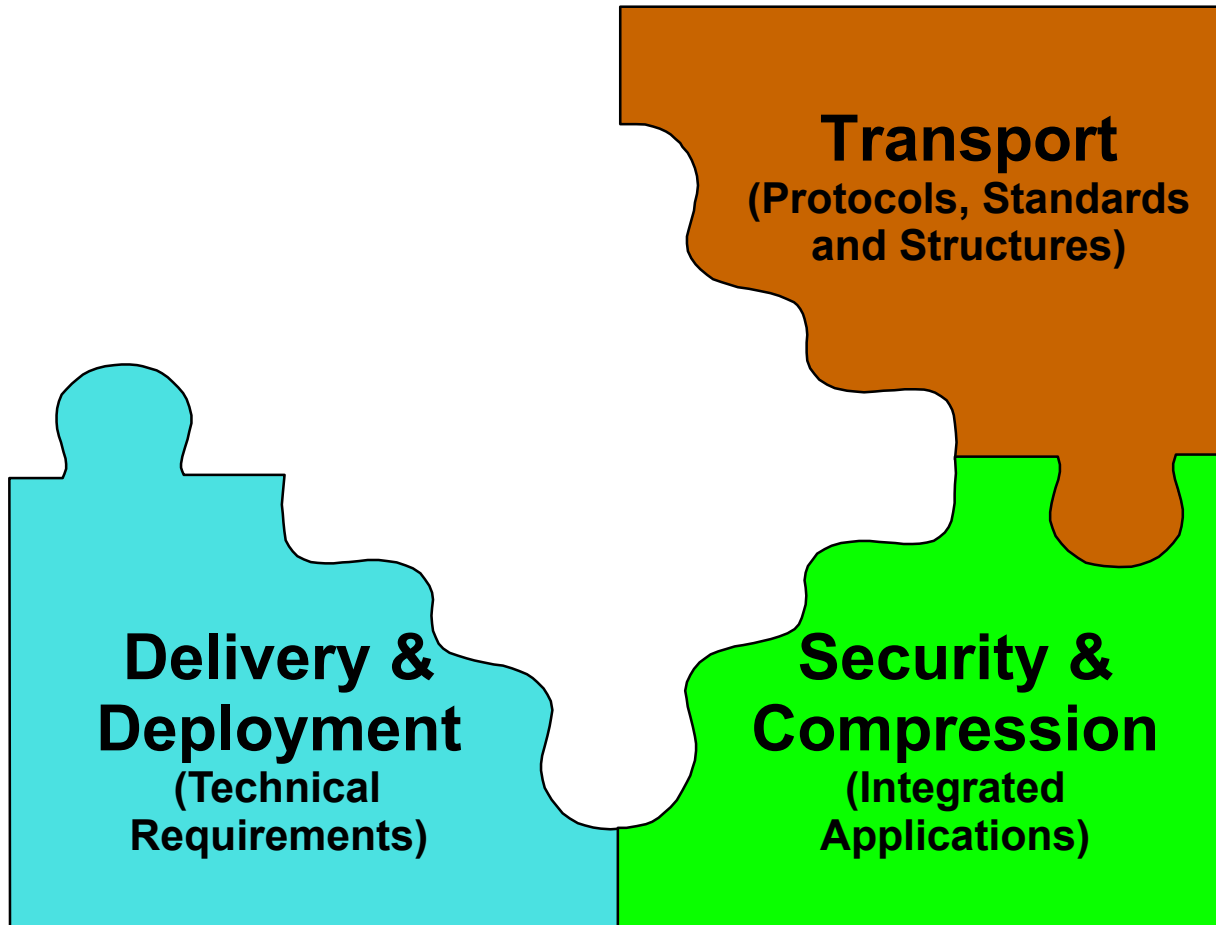


Millennium Marketplace - *Plug and Play Components*



Comm-Press Technologies Contributions to the Millennium Marketplace

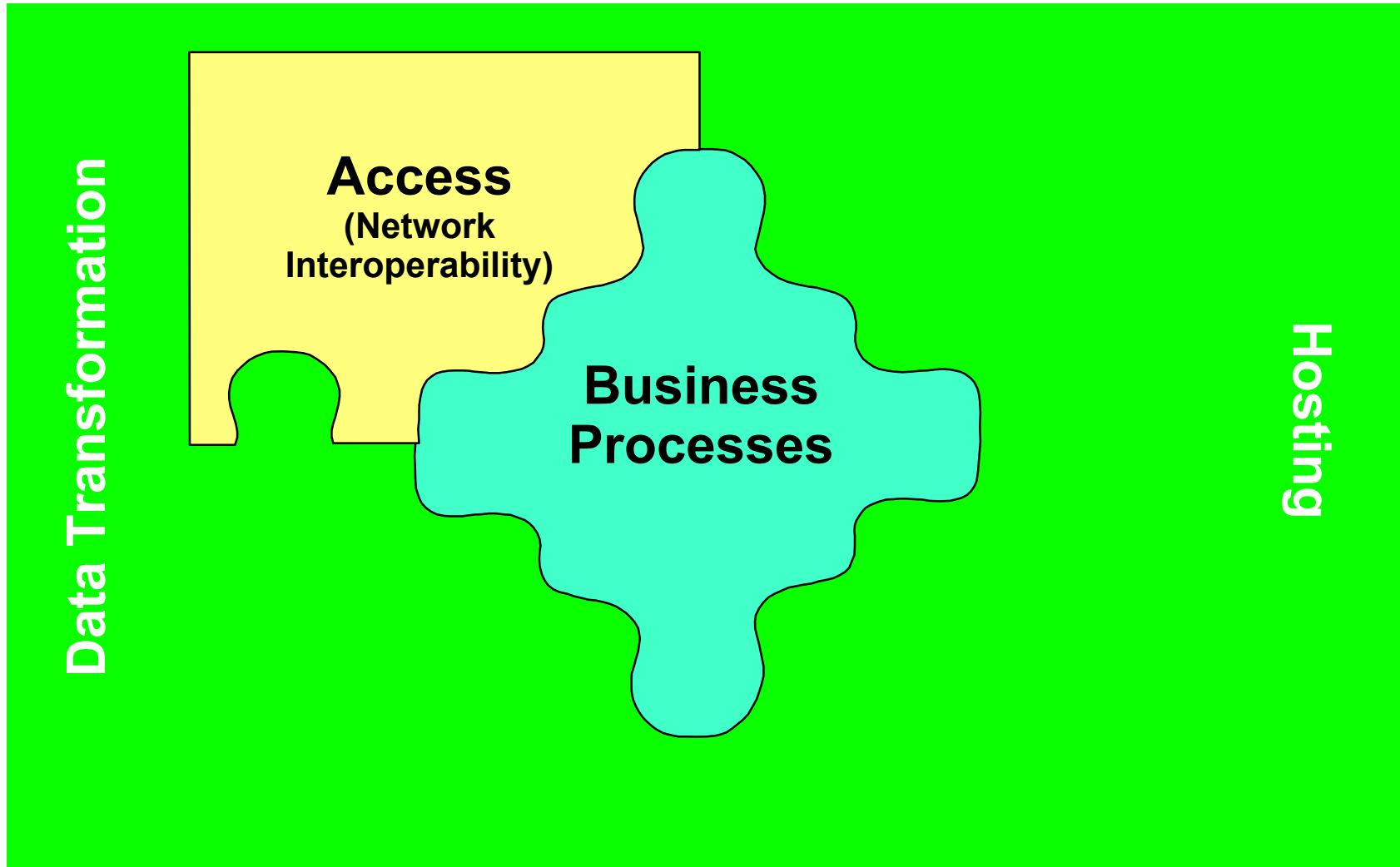
Data Transformation



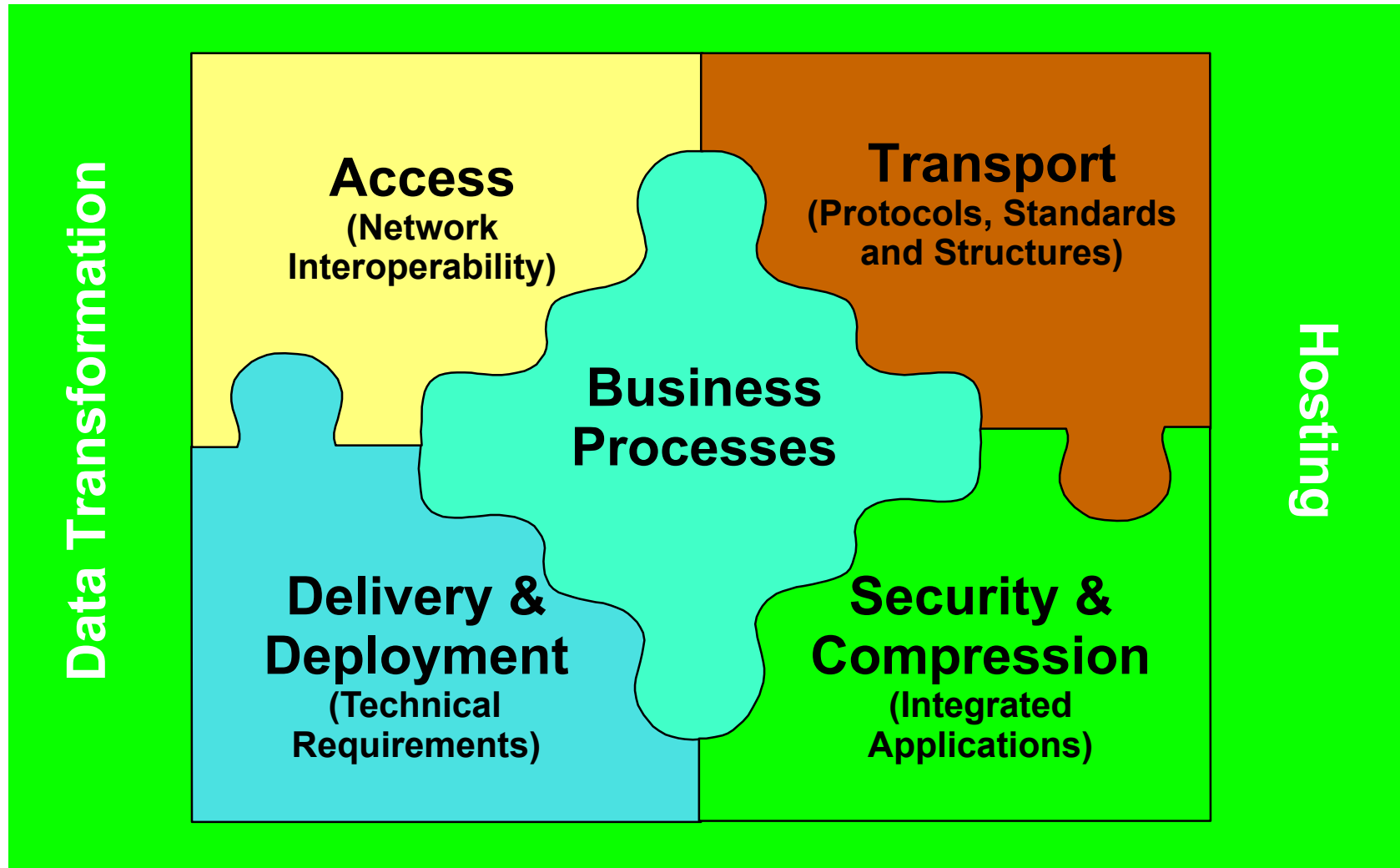
Hosting



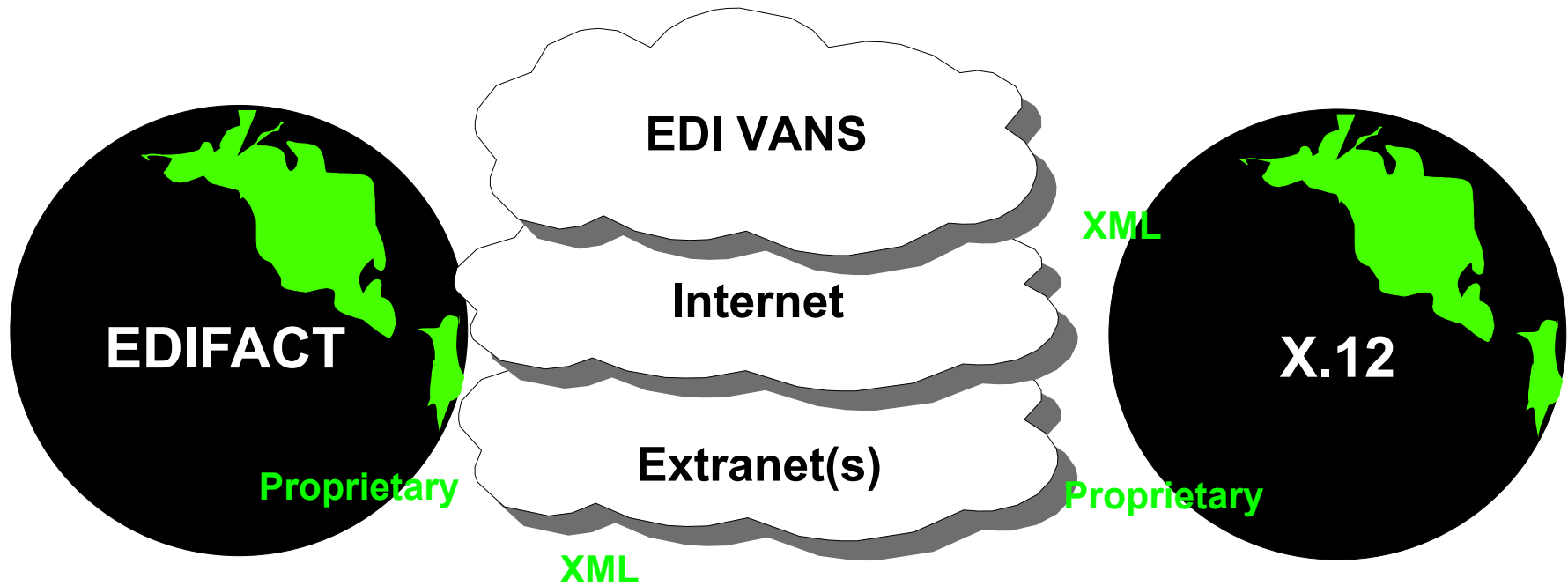
Other Contributions to the Millennium Marketplace



Lasting Value in the Millennium Marketplace



Data Structure and Transport



- Commodity → Access
- Commodity → Hosting
- Commodity → Application Software (Data Transfer)



Legacy Pre-Requisites

- ✦ Legacy EDI Features = Common Business Practices
 - + Communication Sessions - Positive ID
 - + Acknowledgement at Communication Layer
 - + Audit Trails & Archiving
 - + Known, Reliable Intermediary
 - + Common 24-Hour Mailbox....Minimize Sessions, Simplifies Routing
 - + Handle High Volume of Data
 - + Transaction Routing (ISA based)

....pre-requisites for any change in EDI



Security Pre-Requisites

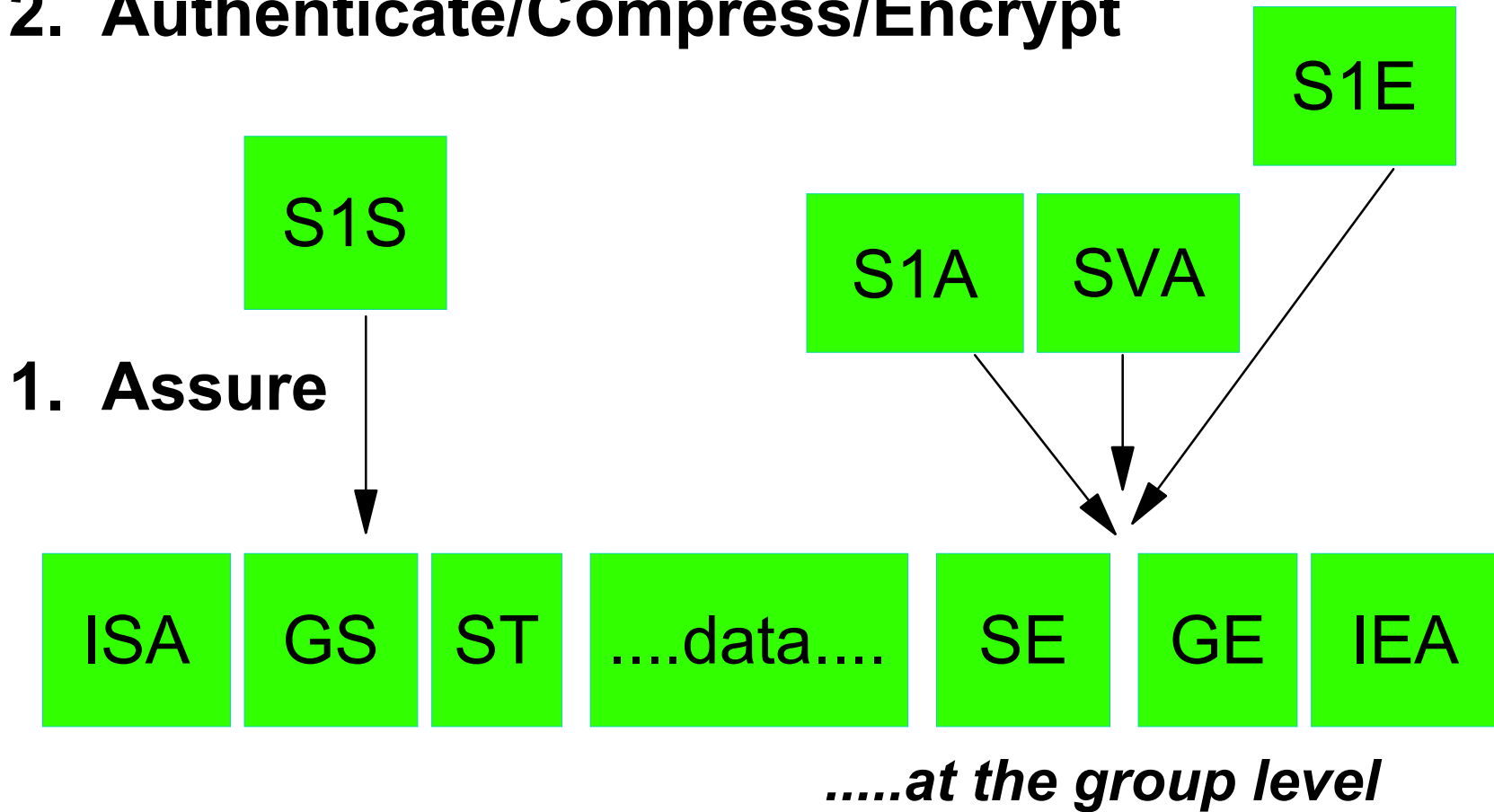
✦ EDI Transaction Security Mandates

- + Security for Groups, Transactions
- + Verifiable, not Perishable Security
- + Retention of Digital Signatures
- + Protect/Validate Transactions, not Packets

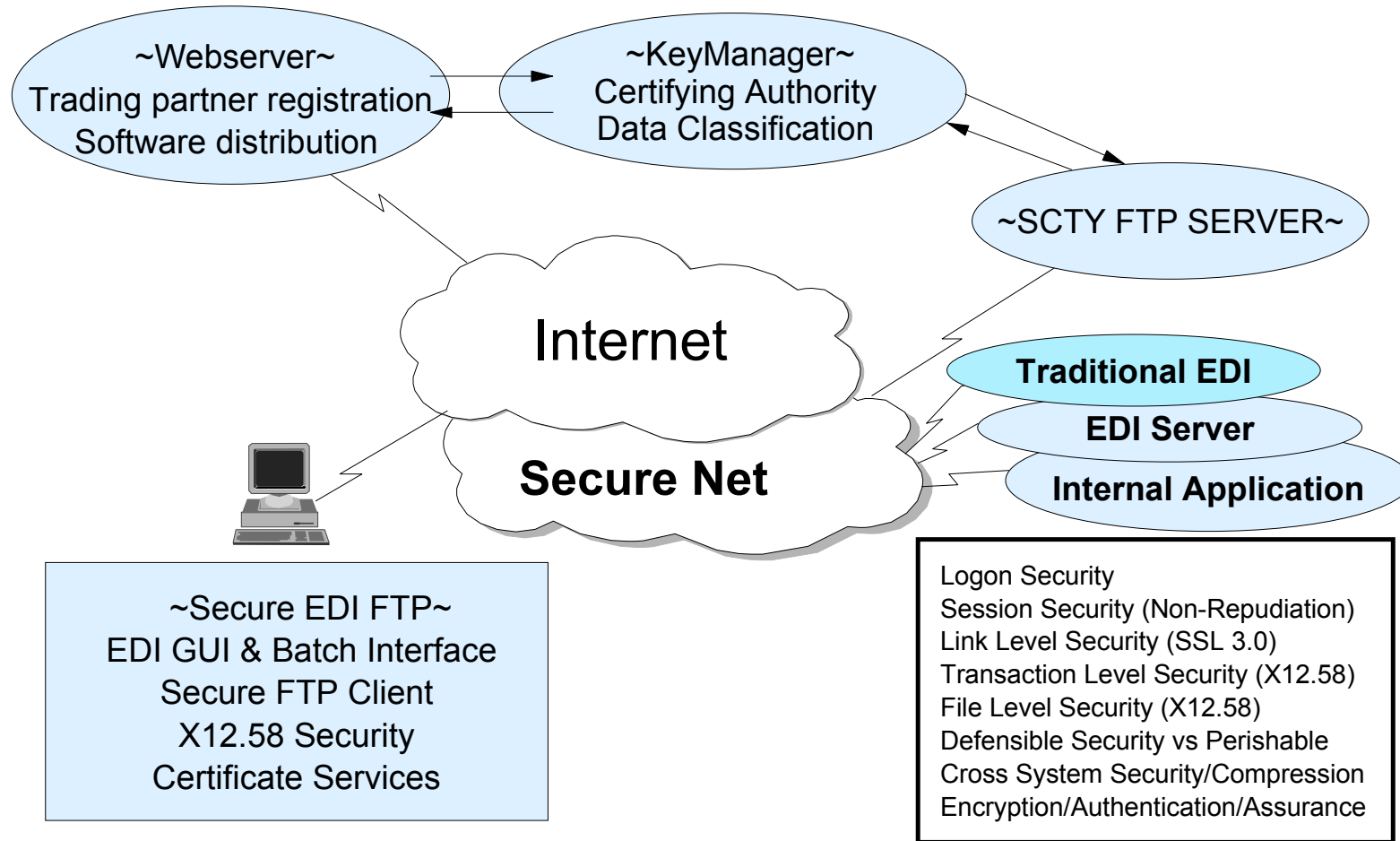


Applying X12.58 Security

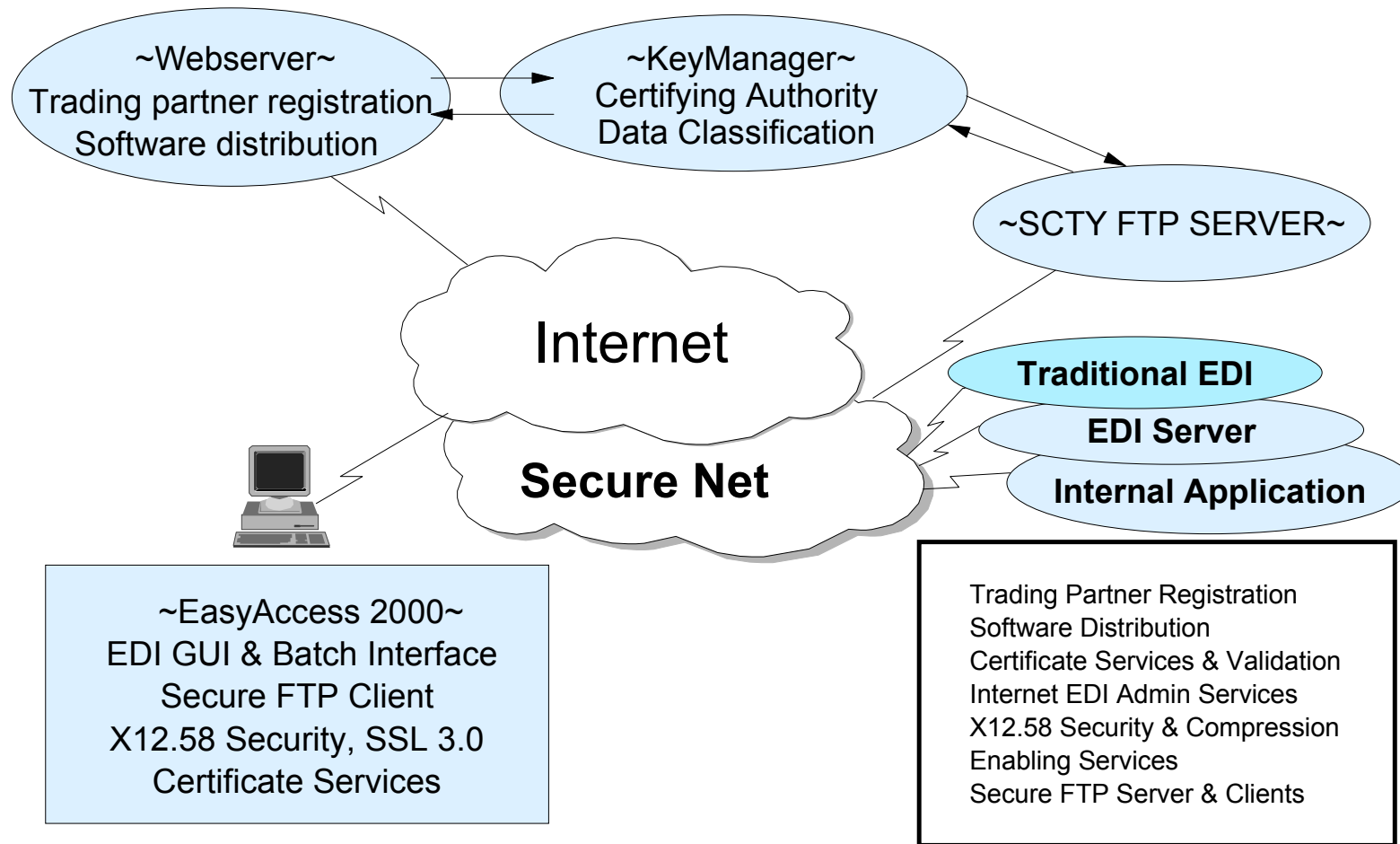
2. Authenticate/Compress/Encrypt



Affordable Security

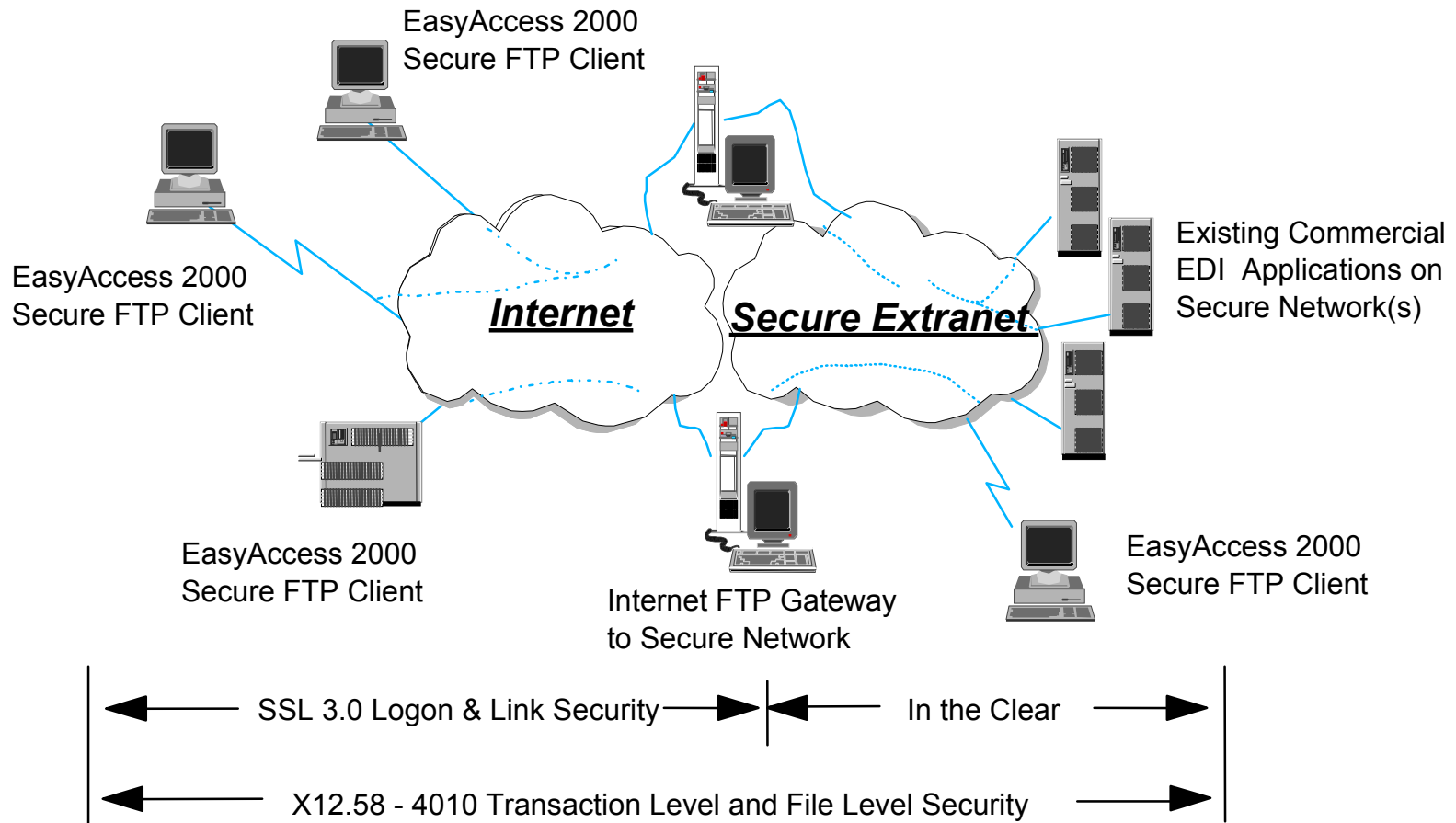


e-business EDI...Deployment and Delivery



Bringing EDI to the Internet

Interoperability for All Trading Partners



Part I



Why Secure FTP for Business?

- ✦ Secure EDI FTP Clients
.....address all requirements for Internet and EC EDI...(x12, EDIFACT)
- ✦ New Price Point
.....affordable Internet/Extranet EDI and Security
- ✦ Trading Partner & Security Management Applications
.....affordable administration
- ✦ Client Software for both Extranet and Internet Trading Partners
..... easy to use, easy to maintain for all
- ✦ EDI FTP Client Software displaces Bisync/ Async communications
.....little disruption of Existing EDI
- ✦ Web based Software Configuration and Distribution
.....easy to implement and manage
- ✦ Integrated Security Administration
.....minimal effort for enhanced security



Why Secure EDI FTP?

- ✦ Packaging of client software
 - + Affordable price
 - + Low cost of implementation
 - + Low cost of administration
- ✦ High Performance Data Compression
- ✦ Trading Partner Administration by Hub or SP
- ✦ Platforms Supported (MVS, OS/400, UNIX, PC)
- ✦ Business Partnerships (SPs, Translators, Hubs, Associations, EDI Client Software Providers)
 - + Network access providers, application providers
 - + Hubs (Key Accounts, Associations)



Why Secure EDI FTP? (cont.)

- ✦ Established FTP Gateways

- + *IBM Global Network*, Sterling Commerce, Sterling Connect Mail
- + GEIS EDI*Switch, GEIS Enterprise, EDI*Switch, DEC OpenVMS
- + DEC EDI, MCI, and more to come

- ✦ EDI Translators providing FTP Support

- + St Paul, RMS, EXTOL, GENTRAN, DNS and more

- ✦ Flexibility to use any one or more Gateway, flexibility to easily change application, provider and/or service

- ✦ Works with X12, EDIFACT and Proprietary Data

- ✦ EDI Mail Services (audit, archiving, transaction routing) are the same for all Trading Partners

.....traditional EDI on the Internet



Why IBM Global Secure EDI FTP?

- ✦ Only SSL FTP Gateway
- ✦ Includes EDI SSL PKI (Certificates)
- ✦ Most competent FTP Gateway
 - + Supports Expedite Options
- ✦ Promotes EasyAccess 2000 Client
- ✦ Business Alliance with Comm-Press Technologies, Inc.



Your Internet EDI Opportunity

- ✦ IETF ArchitectsTLS SSL 3.0
- ✦ X12 and DISAX12.58
- ✦ Translatorsplug and play FTP-TLS/X12
- ✦ Service ProvidersFTP (TLS) Gateways
- ✦ Application ProvidersFTP (TLS) Gateways
- ✦ Bulk Data TransferNo to SMTP, S/MIME, EDIINT

....influence your Steering Committees to right solutions
.....ask your EDI Service Provider about its FTP Gateway
.....match X12.58 solutions to your requirements



EDI on the Internet

- ✦ It's simpler than you think, use
 - + Your existing DI translator
 - + Your existing business processes
 - + Your existing Internet Service Provider
 - + Your existing EDI Service Provider

.....choose the right EDI FTP Client Software

.....choose X12.58 where you need it

.....don't settle for less



Earning Relationships That Last

- ✦ Design *maximum quality* and *flexibility* into all products
- ✦ Maintain a “*quick response*” attitude towards all customer requirements
- ✦ Offer *comprehensive solutions* with market-leading security and efficiency while maintaining industry standards
- ✦ Implement *creative business agreements* that anticipate evolving market needs

