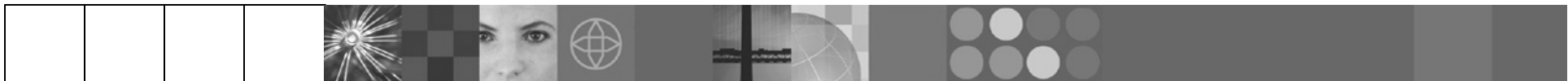


IBM Software Group

# Wright Brothers to F14...Migration from DI 3.1 to WDI 3.2

*Randy Smith*

**WebSphere.** software



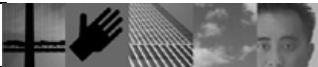
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## Wright Brothers to F14 – Migration from DI 3.1 to WDI 3.2

### Agenda

- The BIG Question.....
- Framing the BIG Question
  - CIO's 2003 Business Priorities
  - 2003 Strategic Drivers/Trends
  - The Goals are the same.....
- Seizing the BIG opportunity.....
- Applying proven principals – An EDI Centric business process model
- WDI 3.2 - Leveraging the latest advancements
- Migration “pre-flight” plan check-list
- Developing your Migration Flight Plan



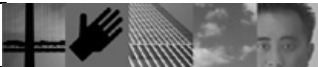
## The BIG Question.....

### ▪ **Then:**

“Wilber..... Remind me again why we need to be trying to do this flight thing.... this is for the birds.”

### ▪ **Now:**

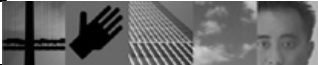
“Budget and Staffs have been drastically cut, we’re overloaded with work, so why do we need to migrate now?.... This is for the birds



## Framing the **BIG** question.....

## Input, Input, Input.....

- **2003 CIO Survey**
- **Known Facts**
- **Market Research – Specific to EDI**
- **eBusiness Phases**
- **Business Goals**

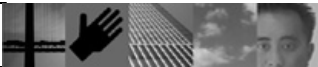


## Framing the **BIG** question.....

### What's keeping CIO's up at night in 2003?

- **2003: CIO's top 14 spending priorities**
  1. **Integrating systems and processes**
  2. **Lowering costs**
  3. **Strategic planning/aligning IT and business goals**
  4. **Implementing data security and privacy measures**
  5. **Automating/optimizing the supply chain**
  6. **Enabling/enhancing e-commerce**
  7. **External business-to-business customer service/relationship management**
  8. Knowledge management/leveraging intellectual assets
  9. Project management improvement
  10. **External business-to-consumer customer service/relationship management**
  11. User training/education/satisfaction
  12. Implementing new technologies
  13. Staff development/retention
  14. Managing IT globally

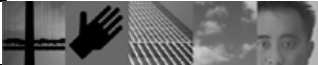
(Source: CIO Magazine Apr 1, 2003)



## Framing the **BIG** Question.....

### Corporate Business – Known Facts

- **The average large organization:**
  - Maintains 6 operating environments
  - Has over 150 different workflow applications on the desktops alone
- **EDI is a mission critical part of companies B2B strategies**
- **95% of Fortune 500 companies use EDI**
- **80% of business transactions are conducted via EDI today**
- **EDI continues to deliver significant return on investment**
- **Major competitive advantage examples (and disadvantages)**
- **During the last 2 decades....**
  - EDI had a major impact on Business productivity gains

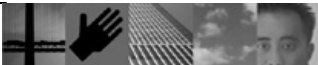


## Framing the **BIG** question...

## Business market research

### What are the most current drivers and trends related to EDI?

- **EDI technology has risen in importance of late**
- **EDI's value proposition is still very strong**
- **XML-based alternatives**
  - more expensive and more complicated to implement than the EDI systems they were intended to replace
  - It is also becoming increasingly clear that XML-based data standards will not replace the traditional EDI standards (X12, EDIFACT) in most situations
  - Increased adoption of EDI by Small-to-Midsize Enterprises is limiting the value of newer data standards
- **Major Drivers related to EDI today.....**
  - Technology retrenchment
  - EDI is changing
  - High penetration of EDI in many sectors:
  - Hub-pressure increasing



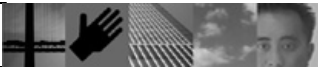
## Framing the **BIG** question.....

## Business market research

### ▪ Trends

- **EDI usage will continue to grow:**
  - Larger hub companies
  - Midsize organizations .
  - Companies already using EDI
- **Value-added network (VAN) market stabilizes:**
  - Traditional VANS have evolved
  - New Internet Services players offering “VAN” style services (mailboxes, store and forward, etc.)
- **EDI over the Internet will not gain dominance:**
  - Scalability issues related to the management of individual point-to-point communication links
- **Hybrid EDI systems will become more common:**
  - Hybrid systems that provide integrated EDI and BPI functionality
- **Use of universal translators will grow:**
  - Rather than forcing a single standard, organizations will find it much easier to implement universal translation capability, **making the data standards issue somewhat of a moot point**

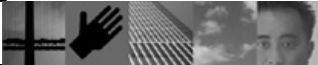
(Source: GIGA-Market research – IT Treads 2003, 5/19/03)



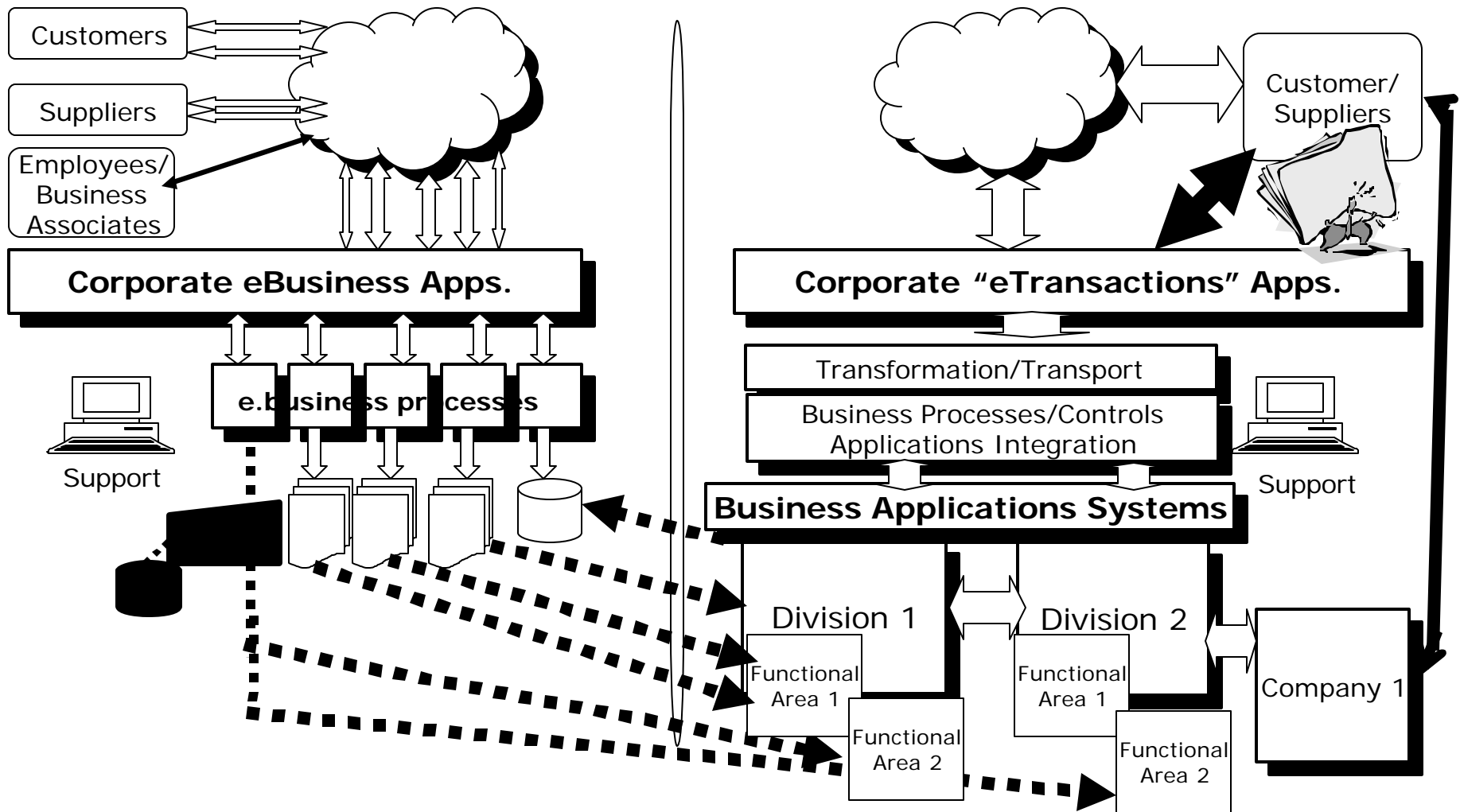


## eBusiness Phases – An evolution

- **e-Business – Phase I** – simply the “on-ramp” to the e-business superhighway
  - Web publishing, Web presence
  - Email
  - Employee access to information
  - Focus: B2C and Small corporations

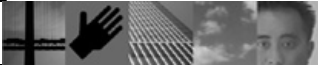


# Today's eBusiness Landscape and Challenges – eBusiness Phase I



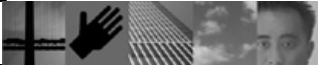
## **Business Goals.....remain the same.....**

- **The Goals.... Then and Now:**
  - Efficiency
  - Productivity
  - Reduce Costs / Increase Profits
- **Achieving the Goals:**
  - Transaction Exchange
  - Business Application Integration
    - Customers/Supplier
    - Intra-corporation
    - Intra-functional business units
  - Reduced complexity = lower costs
  - Improved reliability and performance

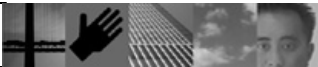
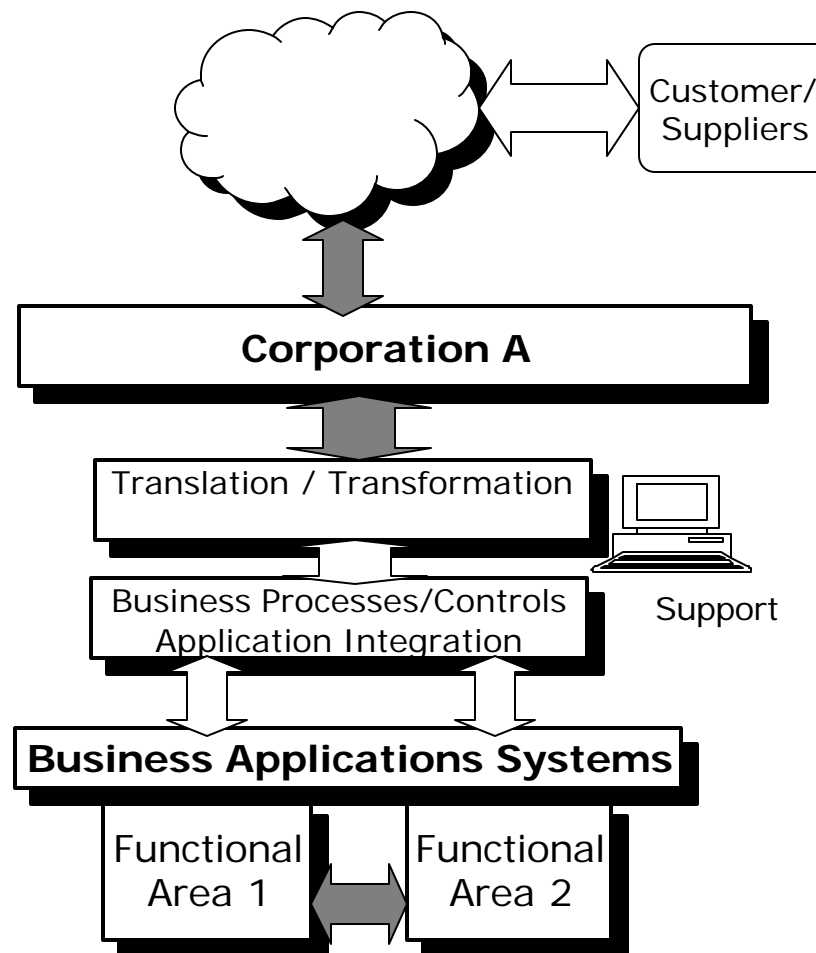


## Seizing the BIG opportunity.... What if you could.....

- **Begin addressing ALL of the TOP 7 priorities of your CIO?**
- **Eight of the TOP 10 CIO's priorities?**
- **Become the “epi-center” of the “second phase” of ebusiness....**
  - Enterprise integration
    - Internally
    - Externally – Customers and suppliers
- **Contribute to your corporation's ROI within 12 months!?**
- **Be THE key component of the #1 corporate business challenge?**
- **And last, but certainly not least....**



## Applying proven principles – Typical EDI process model



## eBusiness Phases – An evolution

- **e-Business – Phase I** – simply the “on-ramp” to the e-business superhighway

Web publishing, Web presence

Email

Employee access to information

Focus: B2C and Small corporations

- **e-Business – Phase II** – Enterprise Integration

Companies integrate their IT structures within their own business and across other businesses

Internally within the company

Externally with Customers and suppliers

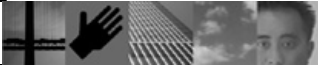
Focus: B2B, small, medium and large corporations

Autonomous Information presentation

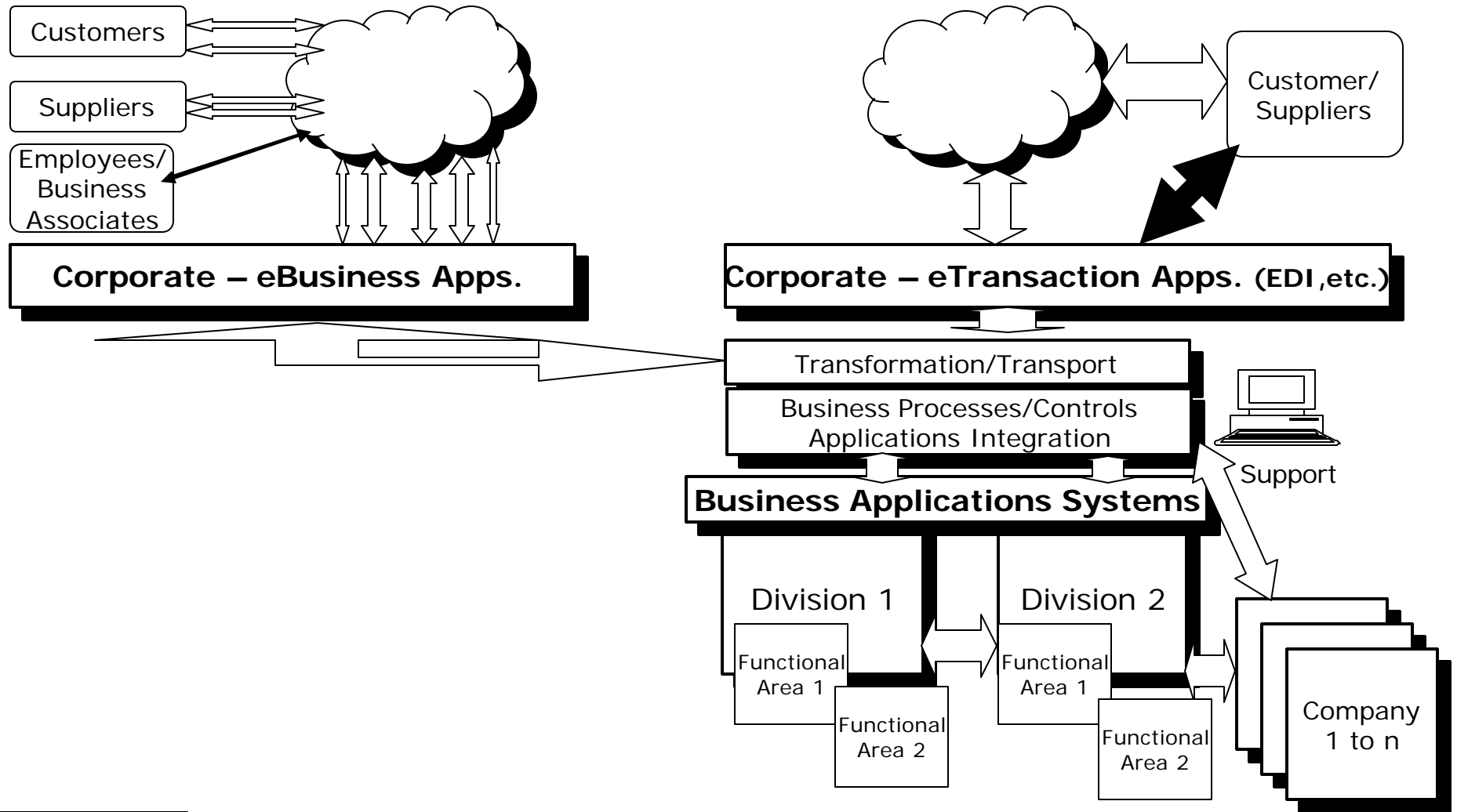
- **e-Business – Phase III**

eBusiness On-Demand

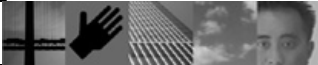
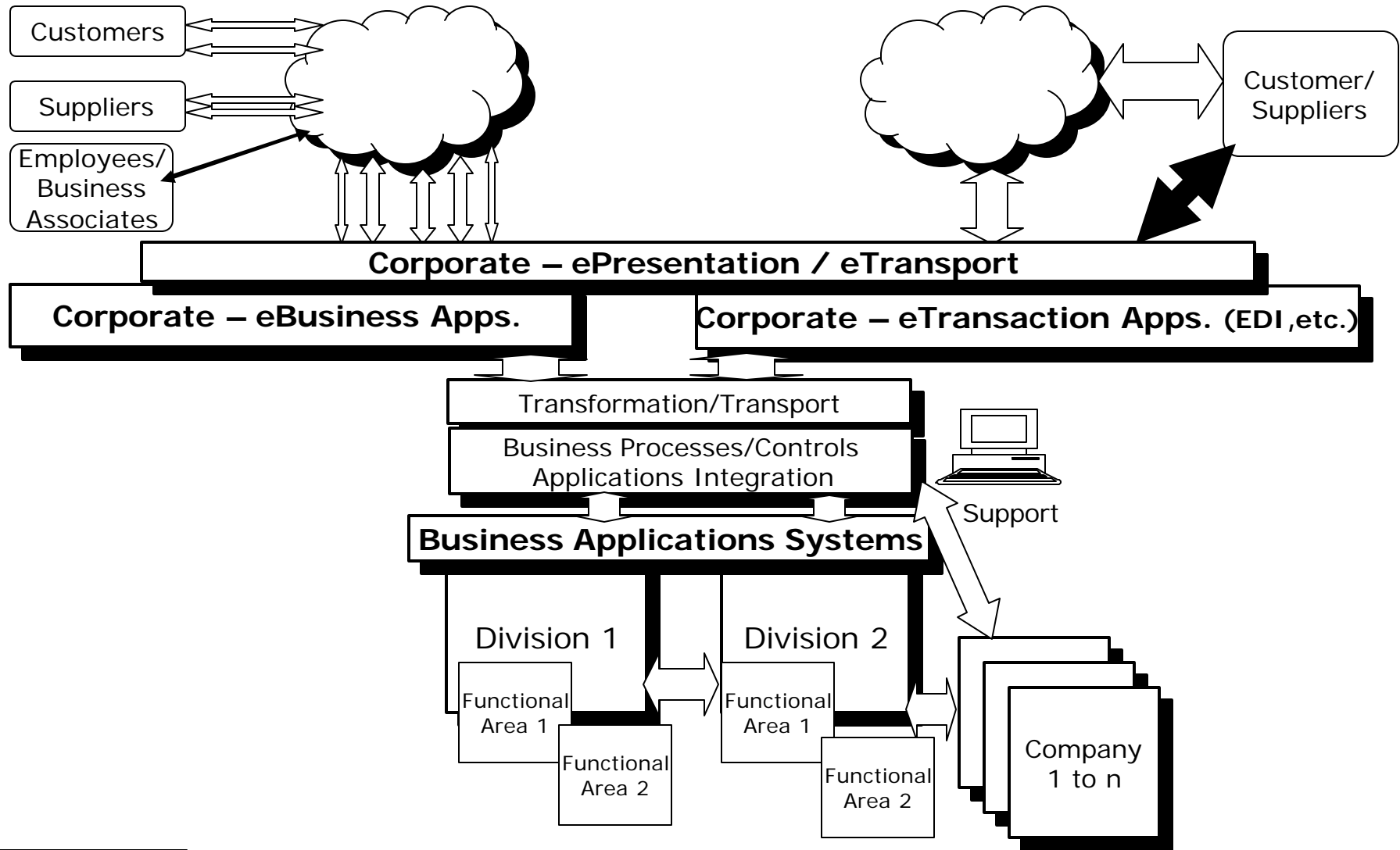
Companies and IT infrastructures dynamically adapting to changes



## Phase II – Business Integration



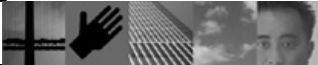
# Phase III – eBusiness OnDemand





## Why Business Integration is a priority?

- **Timely comments.....** (Frank G. Soltis, IBM's iSeries chief Scientist, created the technology-independent architecture used in the AS/400 and iSeries)
- “As many companies begin to integrate their IT structures within their own business and across other businesses, they are creating some incredibly complex infrastructures
- Direct customer experience has shown that the IT infrastructures being used by most companies today are not prepared to support a responsive, highly dynamic, integrated business environment.
- Companies are finding they need an infrastructure that is designed for the on demand operating environment.
- That infrastructure has to be integrated, open, virtualized, and autonomic”



## Extending the Power of EDI with Business Integration

### Why EDI will play an important role in Business Integration

Continues to be the cornerstone for business integration / process controls already in place....

EDI is a mission critical part of companies B2B strategies

With most of the necessary business processes/controls

95% of Fortune 500 companies use EDI

80% of business transactions are conducted via EDI today

EDI continues to deliver significant return on investment

Major competitive advantage examples (and disadvantages)

Last 2 decades - EDI had a major impact on Business productivity gains

EDI continues to evolve in response to new enterprise and industry requirements, competitive pressures (e.g. HIPAA, AS1, AS2)

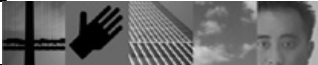
Widely used across all Industry sectors

Supports over 1/3 of the United States GDP

Between 12-15 million transactions are processed every day

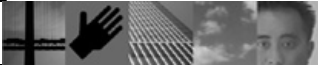
All Major Software providers re-tooling to incorporate EDI into new product offerings

Bundling of EDI into many "integration" type product tools



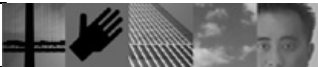
## WDI 3.2 - Leveraging the latest advancements

- **Product implementations - functionally consistent across platforms**
- **New and advanced transformation features**
  - Optimized “any-to-any” transformation of EDI, XML, record-oriented application formats
  - Advanced data validation and standards compliance functions
    - HIPAA
    - ANSI X12 embedded HL7
    - Other industry formats
  - Direct import of XML DTD’s for mapping/translation
  - Mapping Tool enhancements
  - WebSphere MQ message queuing support



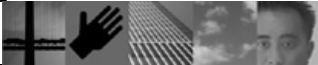
## WDI 3.2 - Leveraging the latest advancements (continued)

- **Your previous investments in EDI transformation mappings are protected**
- **Now available on z/OS**
- **Integrates EDI with the WebSphere family of products**
  - Business process
  - Messaging (MQ, MQ Integrator)
  - Internet-based B2B capabilities
- **WDI's reputation of rich and powerful features**
  - Essential part of enterprise integration



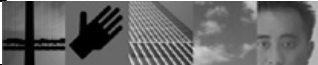
## Migration Pre-Flight Plan Checklist

- **Step 1 – Taking Inventory.....**
  - **Environmental**
    - Operating Systems / Platforms
    - Business Applications
    - Data Bases
  - **Environmental / Business Applications Architecture(s)**
    - Translator and Applications Architecture
  - **IBM DataInterchange 3.1 – Administration Interface**
    - 3270 Terminal/Terminal Emulator
    - DI Clients w/real-time ODBC
    - Standalone DI Clients
    - Combination(s)



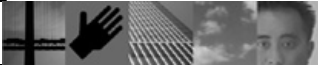
## Migration Pre-Flight Plan Checklist

- **Step 1 – Taking Inventory...(continued)**
  - **Communications / Network Topology**
    - VAN(s)
    - Direct Connects
    - FTP/SMTP
    - AS2
    - Media
  - **Trading Community**
    - Trading Partners
    - Transactions

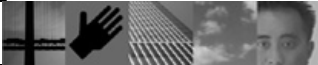
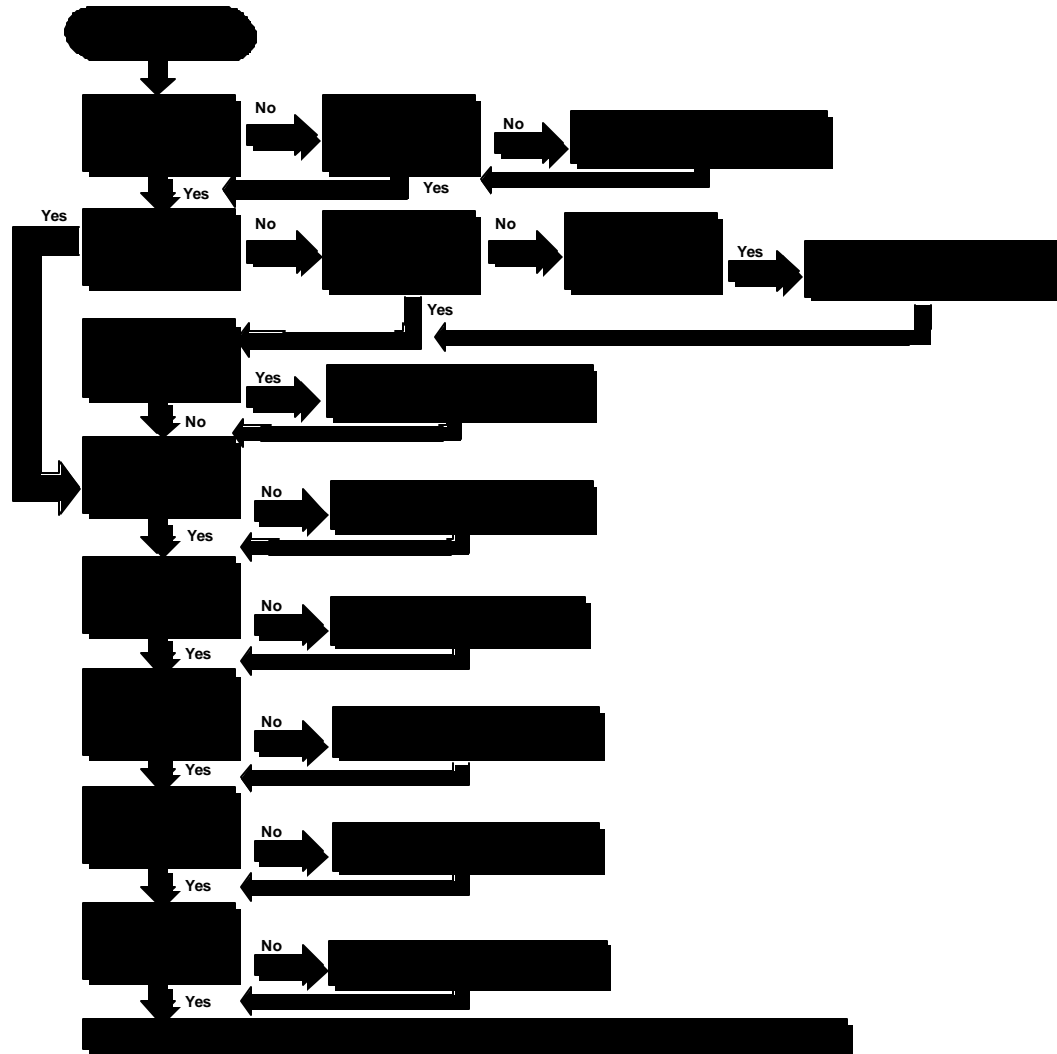


## Migration Pre-Flight Plan Checklist

- **Step 1 – Taking Inventory...(continued)**
  - **Translation/Transformation**
    - Translator Operating Systems / Platforms
    - Other translation software
    - Translator Release/Versions/Processing (i.e. dev., test, prod.)
      - Number of Translators
      - Versions/Releases
      - Data repository
      - Client Interface Component
    - EDI Administration
  - **Intra-Systems / Application Transports**
    - Transport Software / Methods
  - **Business Application Integration**
    - EDI Integrated Business Applications – Operating Systems/Platforms
    - Transaction volumes
    - Business Application formats



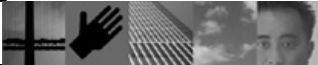
# Developing your Migration Flight Plan





## Completing your Migration Flight Plan

- Step 2 – Assess your Business and eBusiness requirements
- Step 3 – Define your migration scope
- Step 4 - Determine your migration priorities
- Step 5 – Develop an incremental migration plan
- Step 6 – Execute your “Flight” plan
- Step 7 – Begin Leveraging WDI in a eBusiness Centric Model



# Questions & Answers

