

# **BlueStar Server 2004 Overview**

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# Agenda

- ◆ Cedar Software – the company
- ◆ BlueStar Server
- ◆ Configuration Overview
- ◆ Demonstration
- ◆ Questions/Next Steps

# Our Business

- ◆ Total Business Integration (TBI)
  - ❖ Streamline our customer's processes
  - ❖ Create value from existing critical systems through our Patented technology, the BlueStar Platform Integrate Business Processes with BPM
- ◆ Est. 2001-on 100%+ annual growth

# BlueStar Server 2004

**Easily orchestrate business processes within and between organizations**

- ◆ **Process automation**

Comprehensive solution for orchestrating business processes from the Enterprise to the Internet through integrate with any BPM tools (TIBCO, BizTalk, BEA)

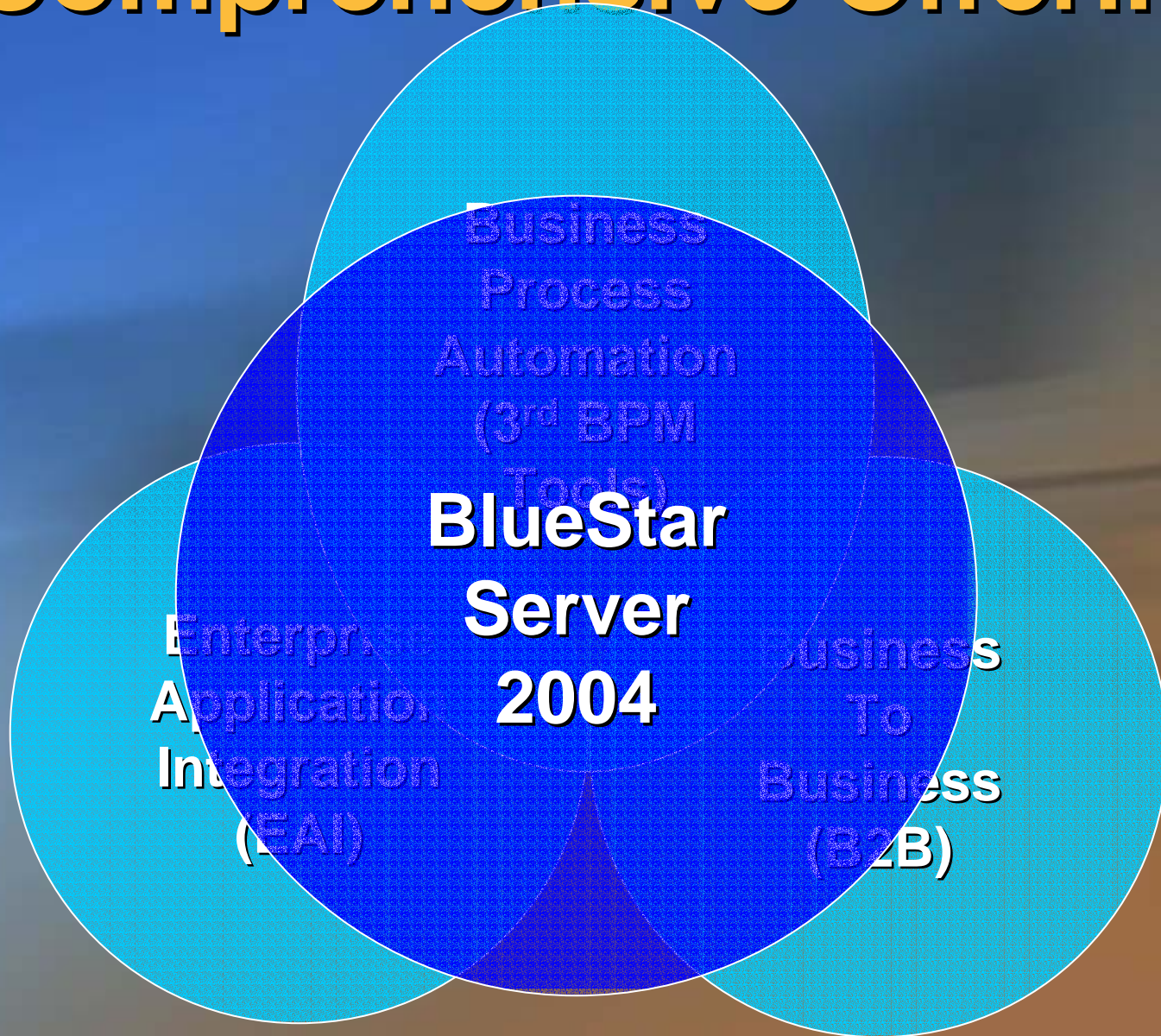
- ◆ **B2B**

Quickly implement secure, reliable trading partner relationships over the Internet

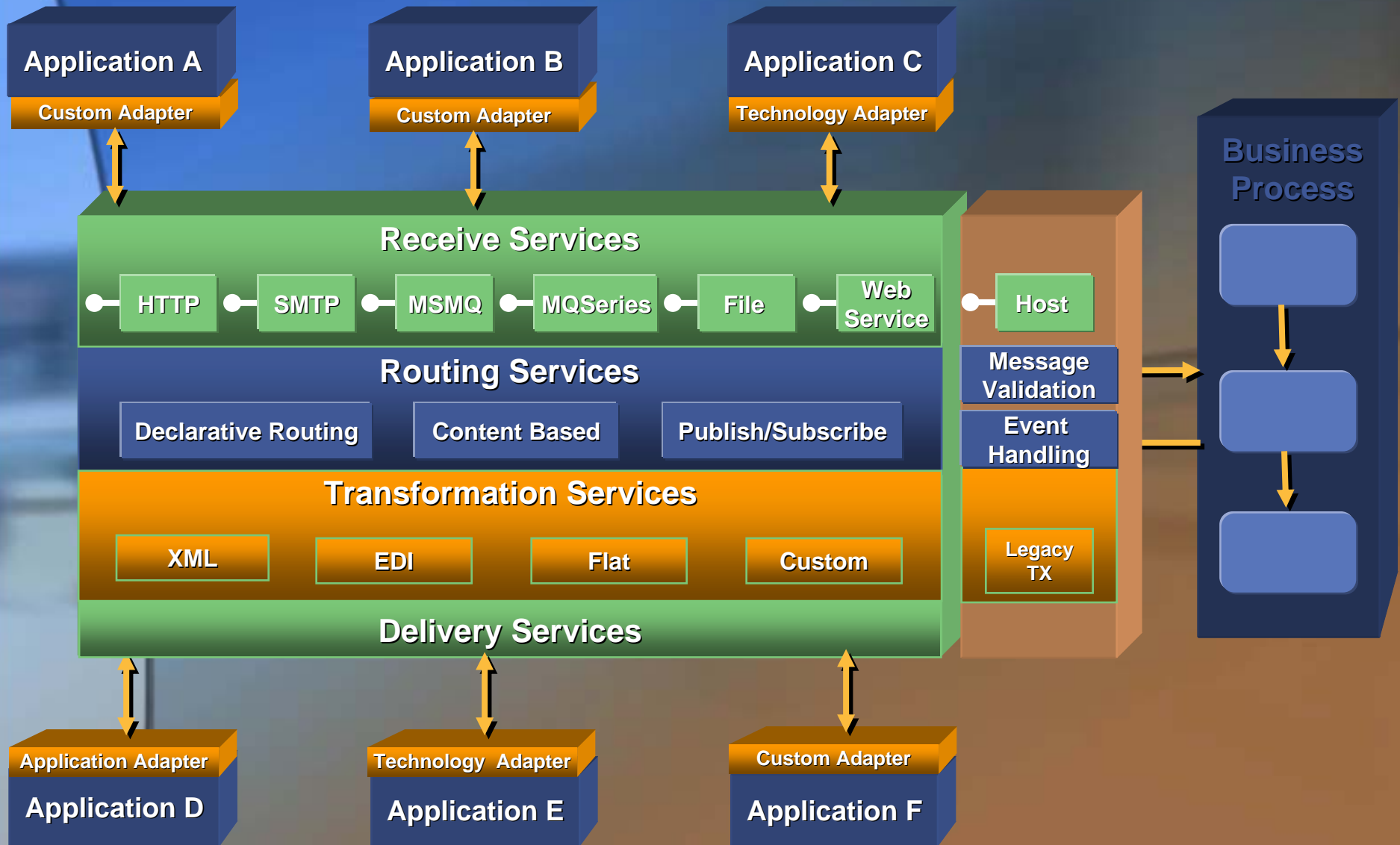
- ◆ **EAI**

Leverages XML to ease enterprise application integration, enable host transactions as Web Services code-free

# Comprehensive Offering



# BlueStar Architecture



# BlueStar Key Features

- ◆ Parameter driven (SQL)
- ◆ XML enabling
- ◆ Role based security
- ◆ “engines” do the work.
  - ❖ BPM for complex long duration workflow.
  - ❖ Compensating operations.
- ◆ Scripting philosophy
- ◆ Programmatic Interface
- ◆ Completely auditable
- ◆ 100% COM+ component technology
- ◆ Session management

# BlueStar Key Features

- ◆ **Multilanguage support**
- ◆ **Data mapping between flat-file, EDI and XML**
- ◆ **Dynamic load-balancing**
- ◆ **Automatic recovery**
- ◆ **Transport neutral**
- ◆ **Support synchronous, asynchronous and transactional connections**
- ◆ **Automatic code page conversion**
- ◆ **Build on top of Microsoft .NET Framework and Servers (W2K, SQL2K, and HIS)**

# Key Features – Standards-Based support

- ◆ **File format**
  - ❖ XML and XML Schema
  - ❖ Flat file
  - ❖ EDI
  - ❖ Binary
- ◆ **Security**
  - ❖ DES, RSA, OCSP, PKCS#7 and W3C DSIG (Smart Card, HSM)

# Key Features – Standards-Based support

- ◆ Protocol support
  - ❖ FTP, SMTP, POP3
  - ❖ HTTP, HTTPS, Web Services
  - ❖ SNA (LU0, LU2, APPC/LU6.2, AS/400 Data Queue)
  - ❖ TCP/IP socket
  - ❖ MSMQ
  - ❖ MQSeries
  - ❖ DCOM
  - ❖ X.25

# Key Features – Standards-Based support

- ◆ **Codec**
  - ❖ **Unicode (UTF8, UTF16)**
  - ❖ **IBM EBCDIC**
  - ❖ **Unisys mainframe Traditional Chinese**
  - ❖ **CNS11643**
  - ❖ **...any custom code page support, direct mapping any codepage to Unicode**

# Comprehensive Toolset

- **Define Your Business Documents**
  - **Schema Editor**
- **Transform Your Business Documents**
  - **XSLT Mapper**
- **Build Host TX as Web Services**
  - **BlueStar Schema Manager**
- **Orchestrate your Business Processes**
  - **BPM Tools (3<sup>rd</sup> party)**
- **Learn from your data**
  - **Document Tracking**
- **Manage the System**
  - **BlueStar Admin Console**

# BlueStar Console

- ◆ BlueStar Admin Console
  - ❖ Using Microsoft Management Console

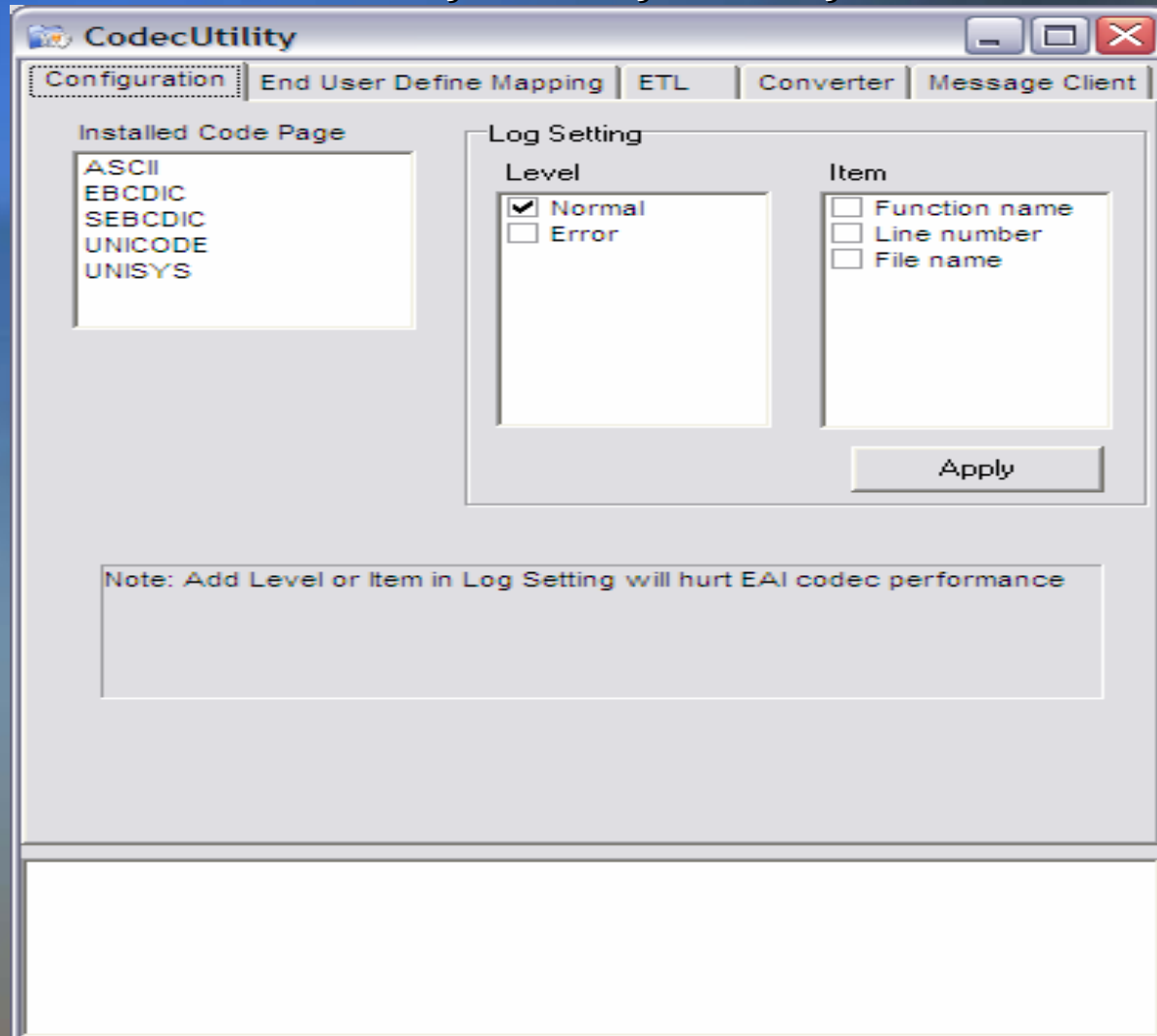
The screenshot displays the BlueStar Admin Console interface. The title bar reads "BlueStar - [Console Root\BlueStar\Message Configuration\NX]". The menu bar includes "File", "Action", "View", "Favorites", "Tools", "Window", and "Help". The interface is divided into two main panes:

- Left Pane (Tree View):** Shows a hierarchical structure of folders. The "BlueStar" folder is expanded to show "Message Configuration", which contains sub-folders for "BlueStar", "JihSun", "TSB", "FITAS", "CTCB", "NX", and "NX\_UXX".
- Right Pane (Table View):** Displays a list of message configurations with columns for "Message Name" and "Description".

| Message Name | Description  |
|--------------|--------------|
| LB_C10       | 分行開機         |
| LB_C11       | 工作站開機        |
| LB_COMMON    | 便利主機電文檔頭     |
| LB_D00I70    | 虛擬帳號用戶明細查詢   |
| LB_D00I76    | 代收監理費明細查詢    |
| LB_D338      | VID即時入金通知    |
| LB_D70       | 虛擬帳號臨櫃繳款     |
| LB_D76       | 代收監理費沖正及請款   |
| LB_K00I01    | 台幣帳戶餘額查詢_支存  |
| LB_K00I09    | 存款交易明細查詢_支存  |
| LB_P00I01    | 台外幣帳戶餘額查詢_活存 |
| LB_P00I09    | 存款交易明細查詢_活存  |
| LB_P36       | 代收監理費        |
| LB_U00I03    | 客戶帳戶查詢       |
| LB_X00I45    | 支票入帳明細查詢     |

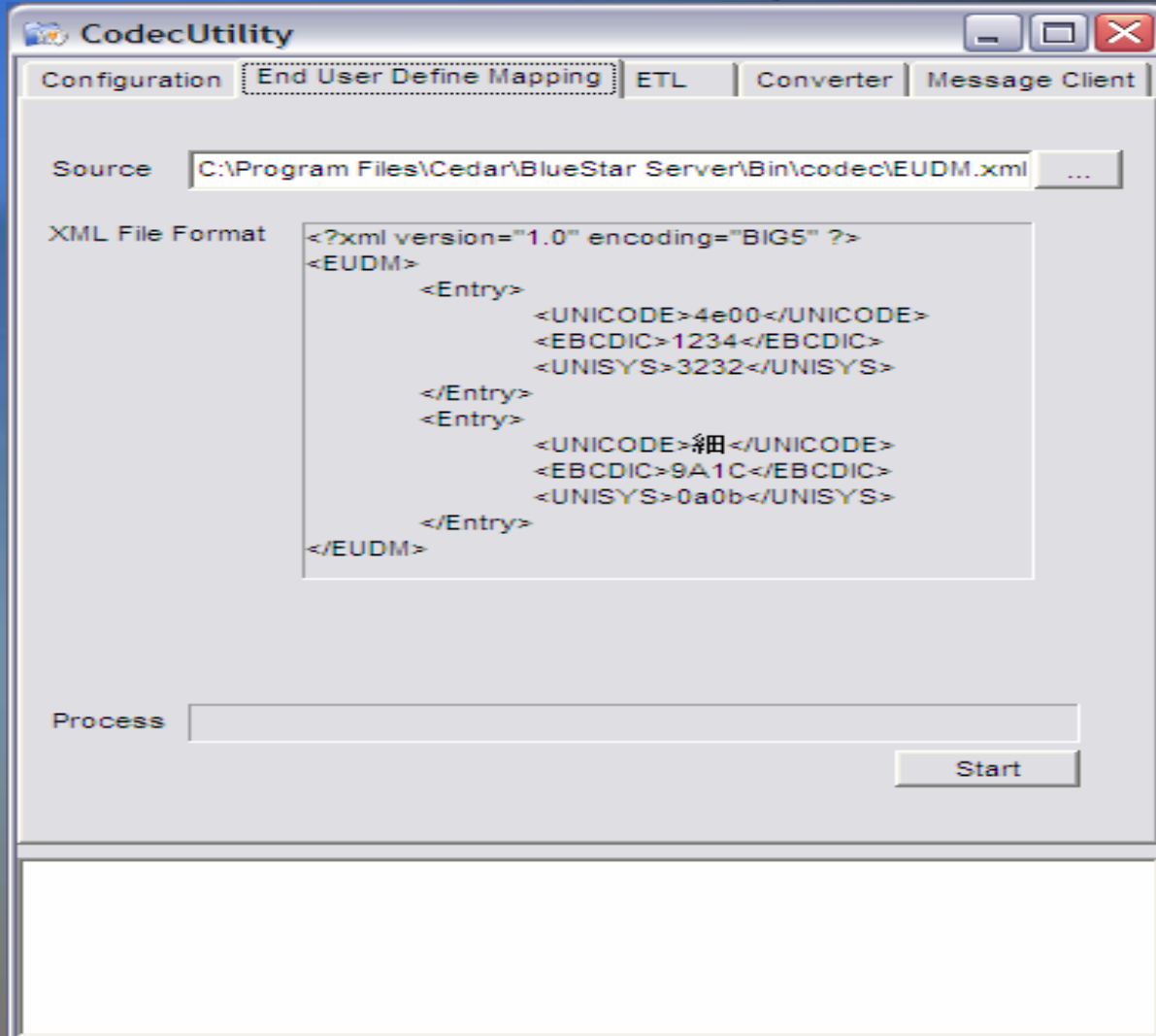
# Codec Manager

- ◆ BlueStar Codec Manager
  - ❖ Customer can add any codec dynamically



# End User Define Mapping

- ◆ BlueStar Codec Manager
  - ❖ Provide user define character mapping



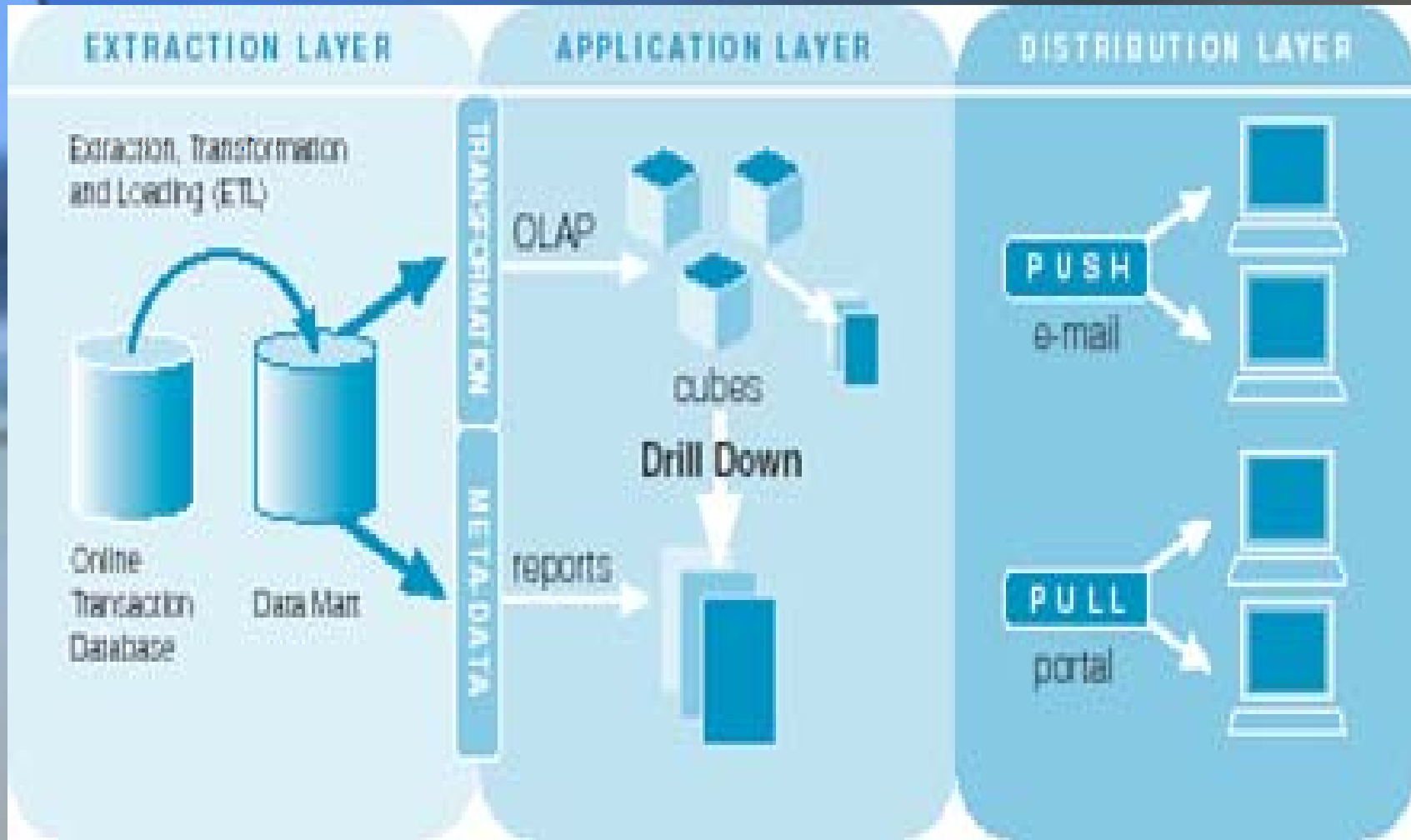
# Codepage Conversion

- ◆ BlueStar Codec Manager
  - ❖ Mapping legacy codepage to Unicode directly

The screenshot shows the CodecUtility application window with the following configuration:

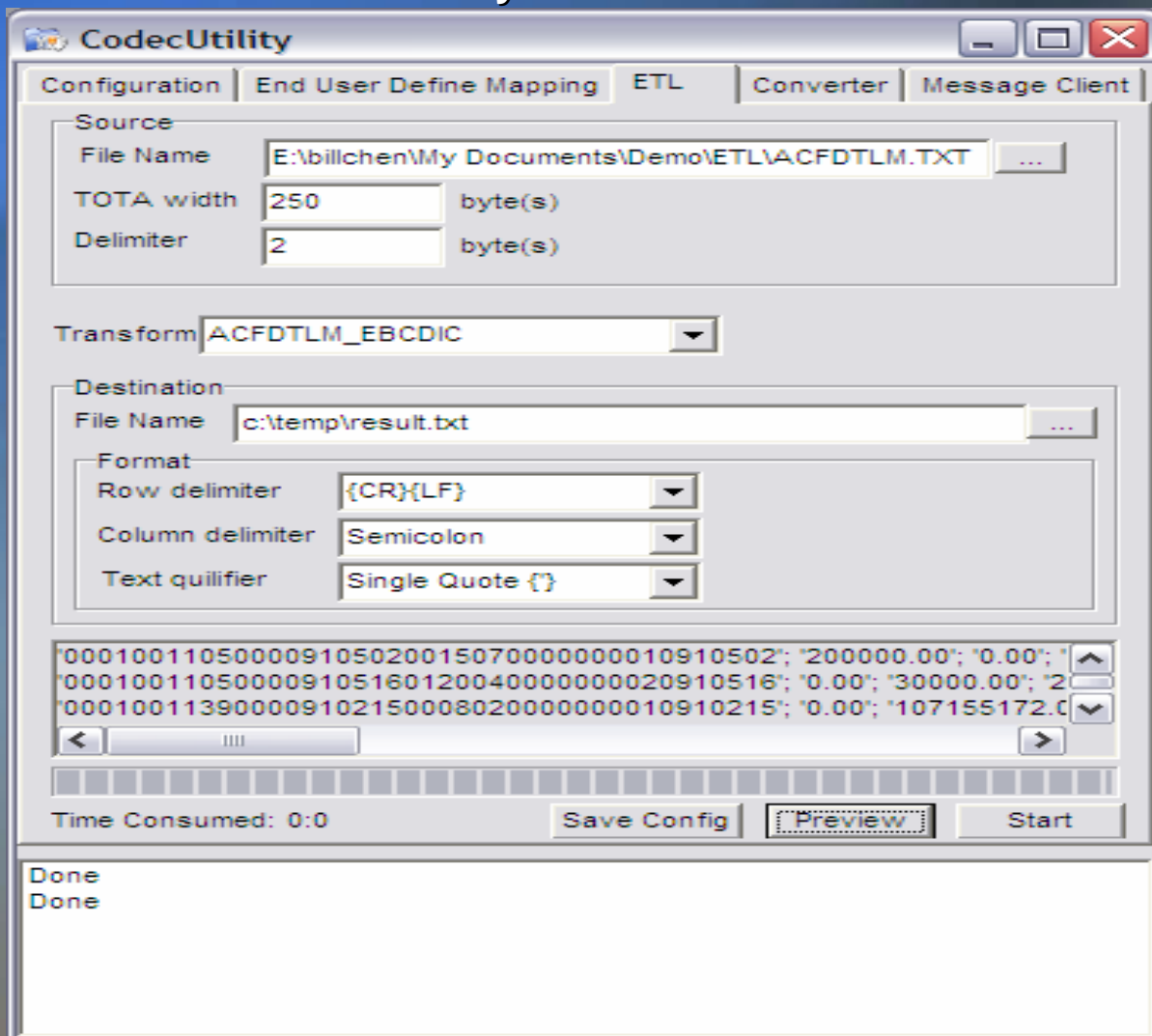
- Configuration:** End User Define Mapping | ETL | Converter | Message Client
- Transform:**
  - Direction:  Encode,  Decode
  - Code Page: EBCDIC
- Source:**
  - Format:  String,  Hex
  - Data: 0e1234f
- Destination:**
  - String: —
  - Hex: 004E
- Convert:** [Convert]
- Output:** Done  
Done

# BlueStar Business Intelligence

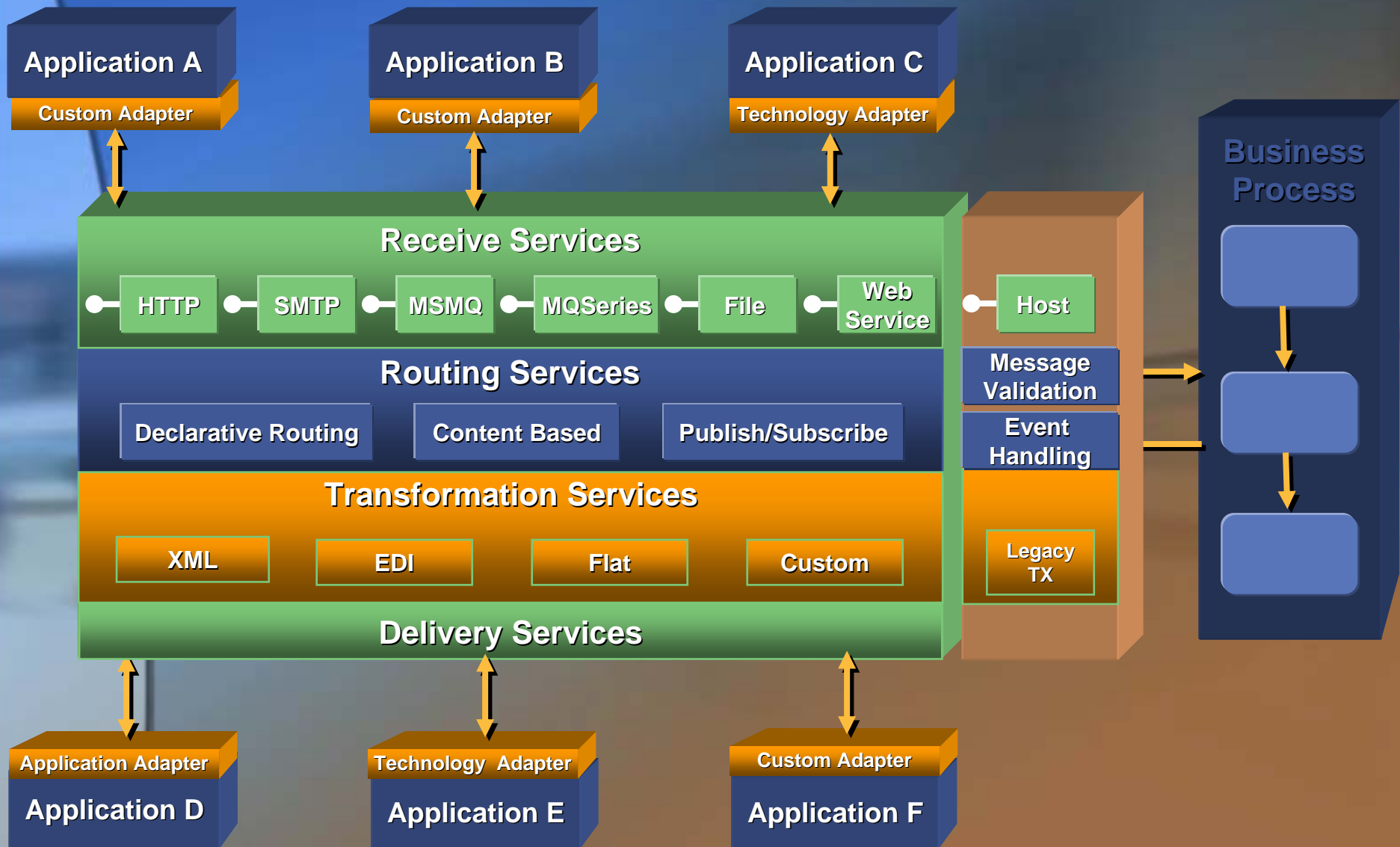


# ETL

- ◆ BlueStar ETL
  - ❖ Provide ETL functionality



# BlueStar EAI



# BlueStar Console

- ◆ BlueStar Admin Console
  - ❖ Easy configuration for host transaction definition

The screenshot displays the BlueStar Admin Console interface. The main window is titled "BlueStar - [Console Root\BlueStar\Message Configuration\NX]". It features a menu bar with "File", "Action", "View", "Favorites", "Tools", "Window", and "Help".

In the foreground, the "ZBLIBL11 Properties" dialog box is open, showing the "Message configuration" tab. The fields are filled with the following information:

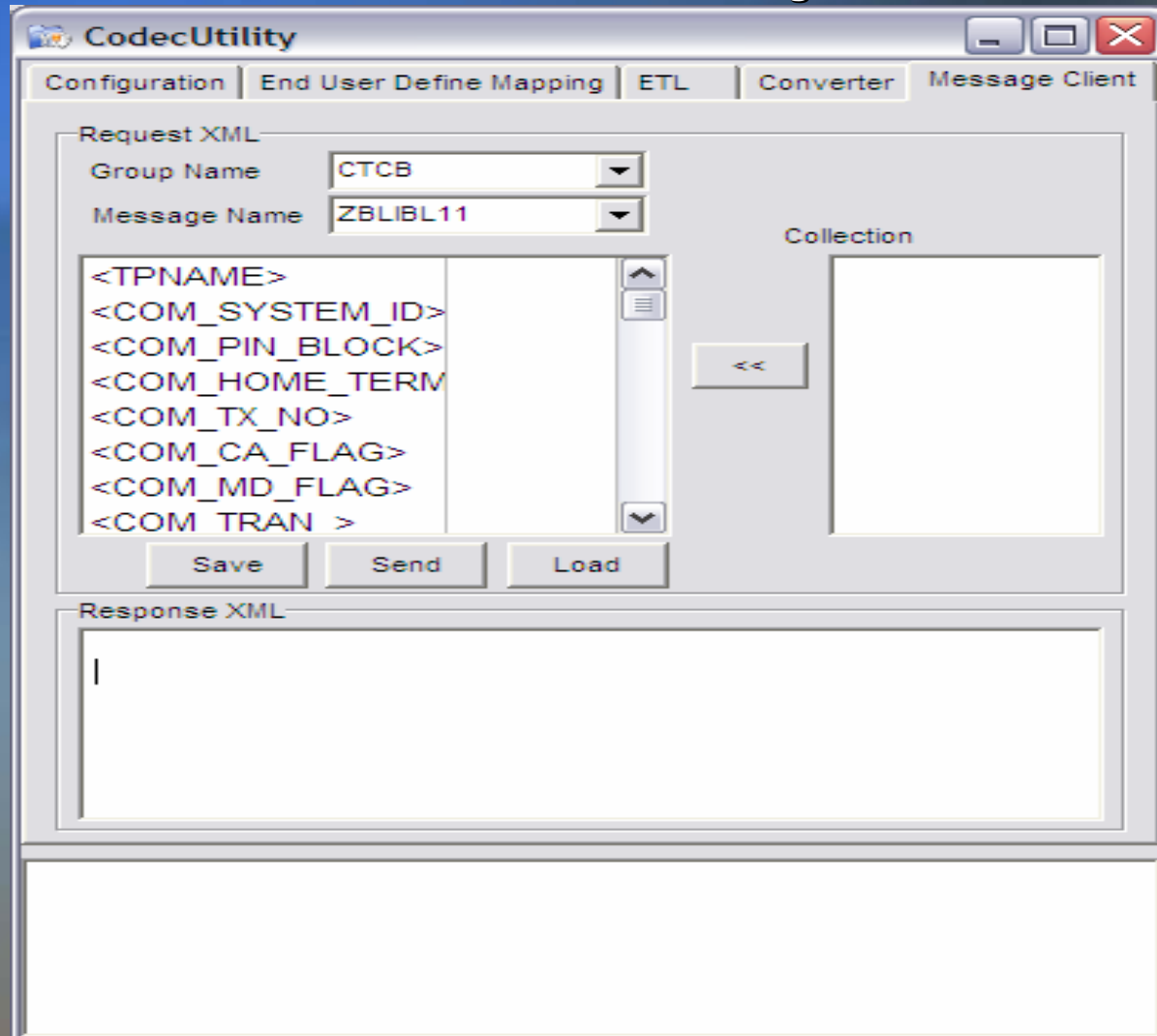
- Group Name: ZBLIBL11
- Message Name: ZBLIBL11
- Description: 支存詳細查詢
- Type: HEX-EBD01C
- Header: PHS\_HEADER
- Transport:  PROLOGID POOLAPPC.HOSTAPPC  Receive Multiple
- Auto Response:

Below the transport settings, there are two sections for "Request Message Definition" and "Receive Message Definition", each with a list of fields and their properties (Name, Len, Type, Del) and buttons for "Insert", "Edit", and "Delete".

The background window shows a tree view of message configurations. The "Message Name" and "Description" columns are visible, listing various messages such as LB\_C10 (分行開辦), LB\_C11 (工作站開機), LB\_COMMON (便利主機電文檔類), LB\_D00170 (虛擬帳號用戶明細查詢), LB\_D00176 (代收監理費明細查詢), LB\_D338 (VID即時入金通知), LB\_D70 (虛擬帳號隨權繳款), LB\_D76 (代收監理費沖正及歸款), LB\_K00101 (台幣帳戶餘額查詢\_支存), LB\_K00109 (存款交易明細查詢\_支存), LB\_P00101 (台外幣帳戶餘額查詢\_活存), LB\_P00109 (存款交易明細查詢\_活存), LB\_P36 (代收監理費), LB\_U00103 (客戶帳戶查詢), and LB\_X00145 (支票入帳明細查詢).

# BlueStar Message Tool

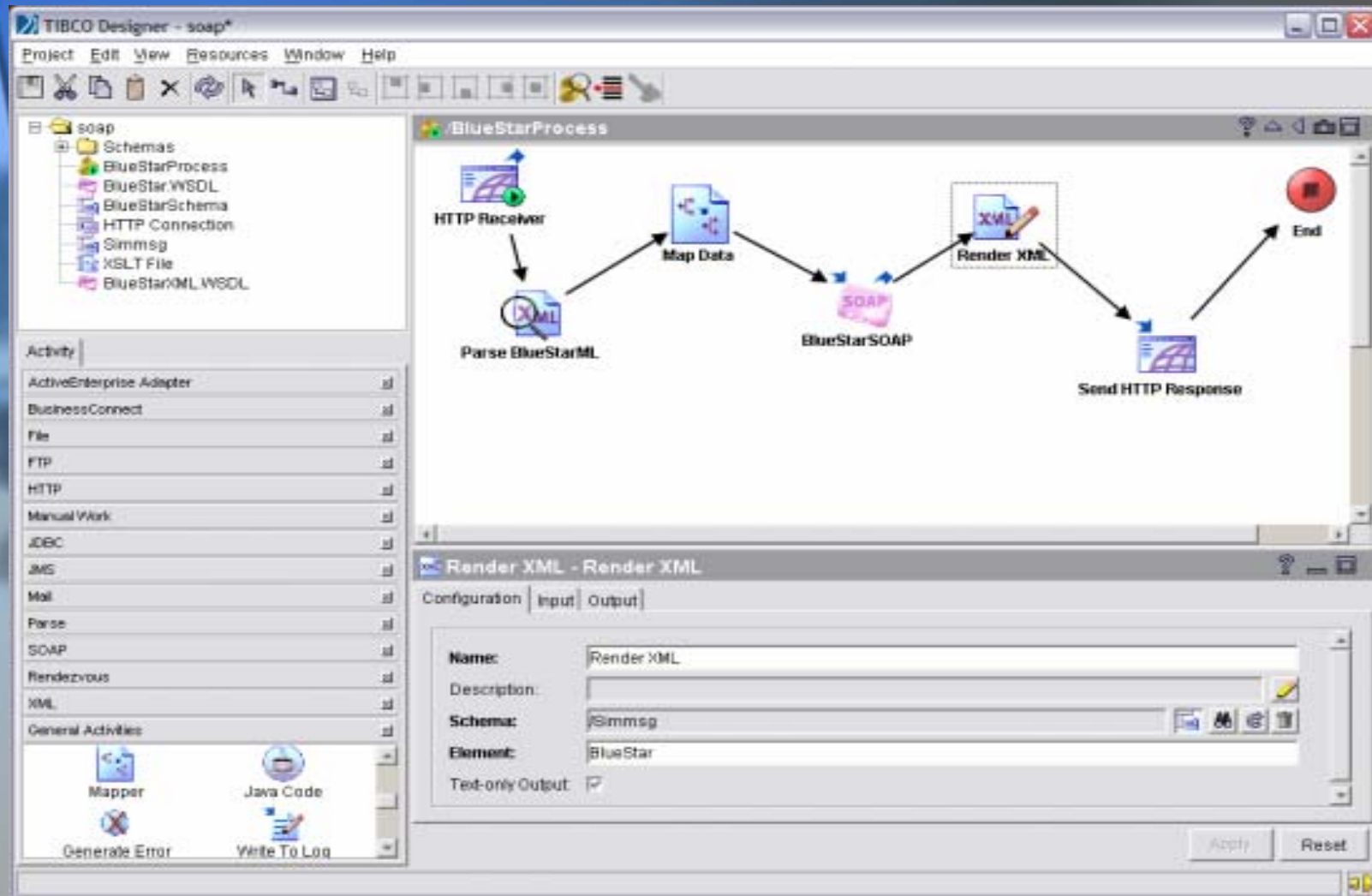
- ◆ BlueStar Utility
  - ❖ Provide tool for host transaction testing





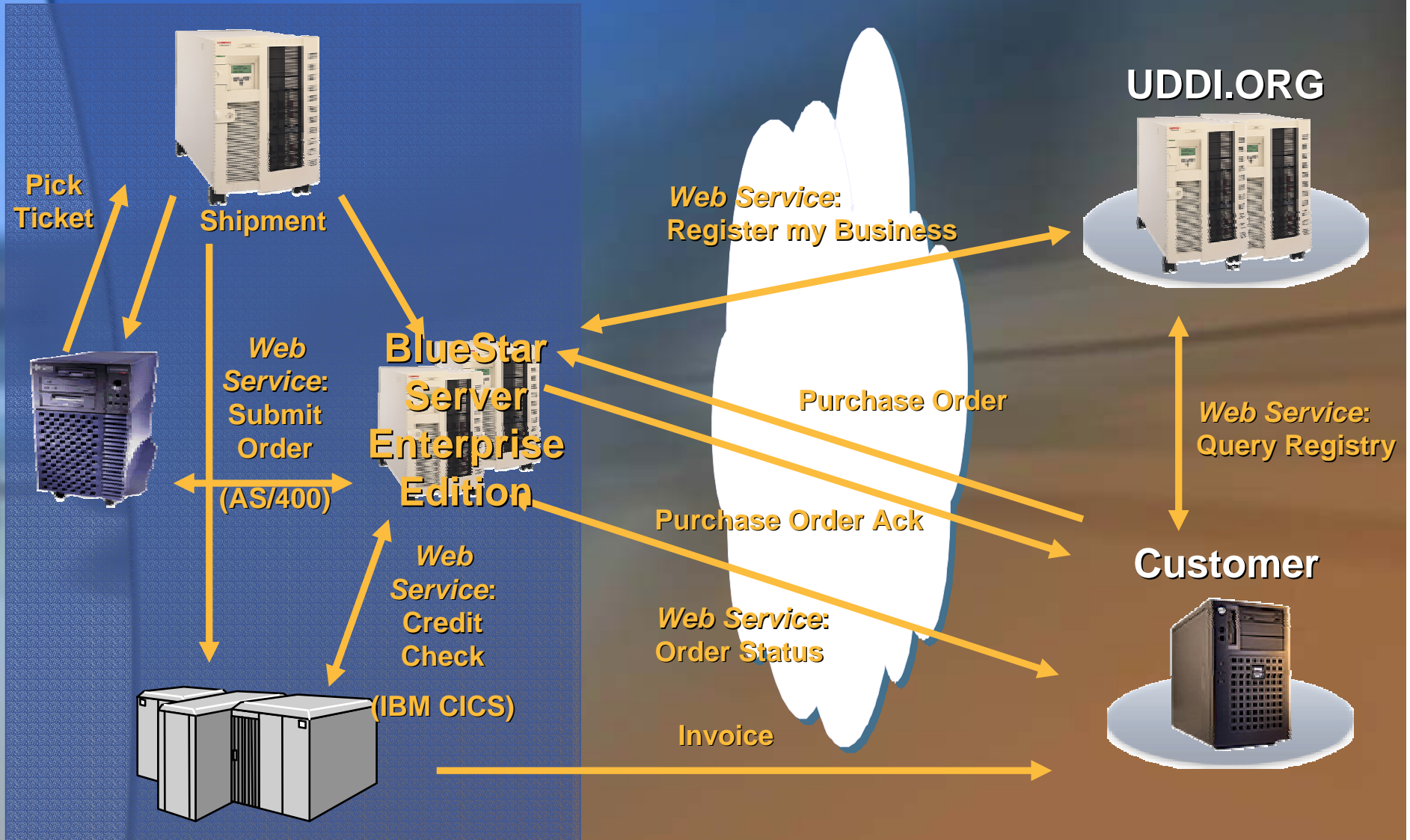
# TIBCO BusinessWorks

- ◆ Web Services for application integration
  - ❖ Using BlueStar Web Services to integrate with TIBCO.



# Orchestrating Business Interactions

Embracing web services while supporting existing systems

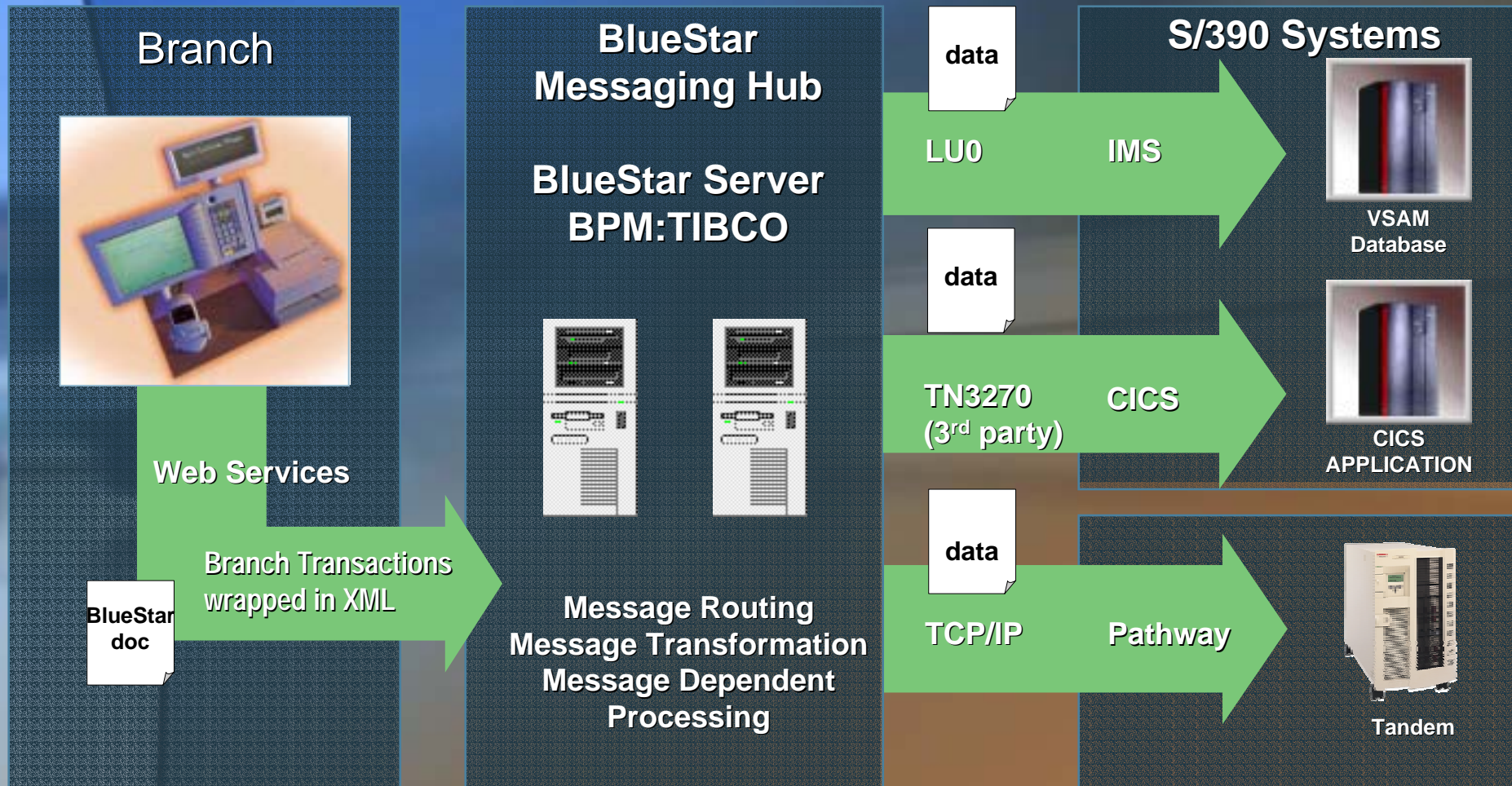


# Customers in Production

[http://www.cedar.com.tw/products/case\\_studies/](http://www.cedar.com.tw/products/case_studies/)

- ◆ 中國信託商業銀行
- ◆ 中國商銀
- ◆ 土地銀行
- ◆ 台新國際商業銀行
- ◆ 世華銀行
- ◆ 日盛金控
- ◆ 上海商業銀行
- ◆ 建華銀行

# EAI: 上海商業銀行 (SCSB)



**Real-time integration for Branch transactions**

# B2B: 中國商銀 (ICBC)

Customers



Web  
POST

Foreign Exchange  
& FXML

*BlueStar Hub*

BlueStar Server  
BPM: BizTalk



FX Host

XML  
via  
APPC



BlueStar

Message Routing  
Message Transformation  
Transactions

XML

ORCHESTRATION  
SMS

XML

ORCHESTRATION  
HTTP

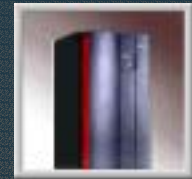
Data

ORCHESTRATION  
LUO

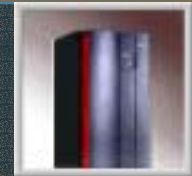
XML

ORCHESTRATION  
SMS

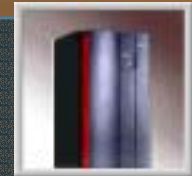
Partner  
Sites



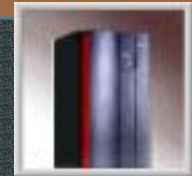
OEM



Suppliers

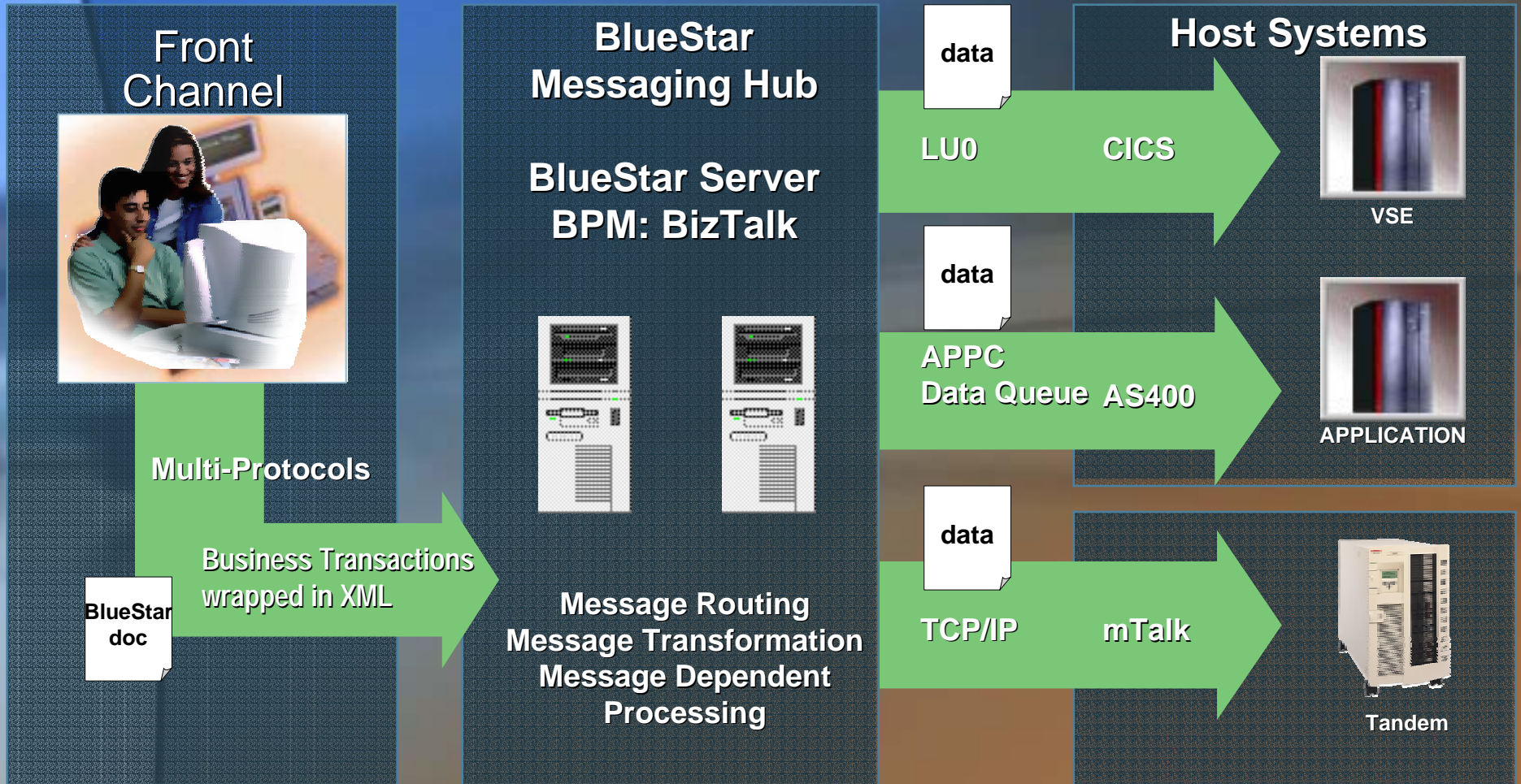


CDPC



JCIC

# EAI: 日盛金控 (Jihsun)



**Real-time integration for multi-channels**

# Case Study: Jihsun FHC

- ◆ **Profile:** The Jihsun FHC request to implement an EAI framework to integrate all back-end legacy application and front-end channels across all sub companies.
- ◆ **Business Situation:** To help company/IT department maximize their software investments and more efficiently use staff and faculty time .
  - ❖ **TBI (Total Business Integration) :** Cost-effectively integrate applications within and between organizations
    - ❖ **EAI**
      - ◆ Lower the cost of internal application integration
    - ❖ **B2B**
      - ◆ Quickly implement secure, reliable trading partner relationships over the Internet
    - ❖ **Business Process Automation**
      - ◆ Define and implement integrated business processes using EAI and B2B services

# Case Study: Jihsun FHC

- ◆ **Solution:** To integrate product information, services and automated transaction applications based on the Orchestration/Web services.
- ◆ **Outcomes:**
  - ❖ Real-Time access & message for all applications
  - ❖ Scaled server from host system to all channels
  - ❖ Reduced the amount of application/product development
  - ❖ Improved customer services
  - ❖ Reduced data/transaction validation efforts
  - ❖ Reduced latency in delivery of services
  - ❖ Enabled 'self-service'
  - ❖ Avoid change/modification of legacy application whatever terminal based or message based

**Thank you**