

IBM Software Group

Views from the Flight Deck

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Manager EDI Development



WebSphere. software





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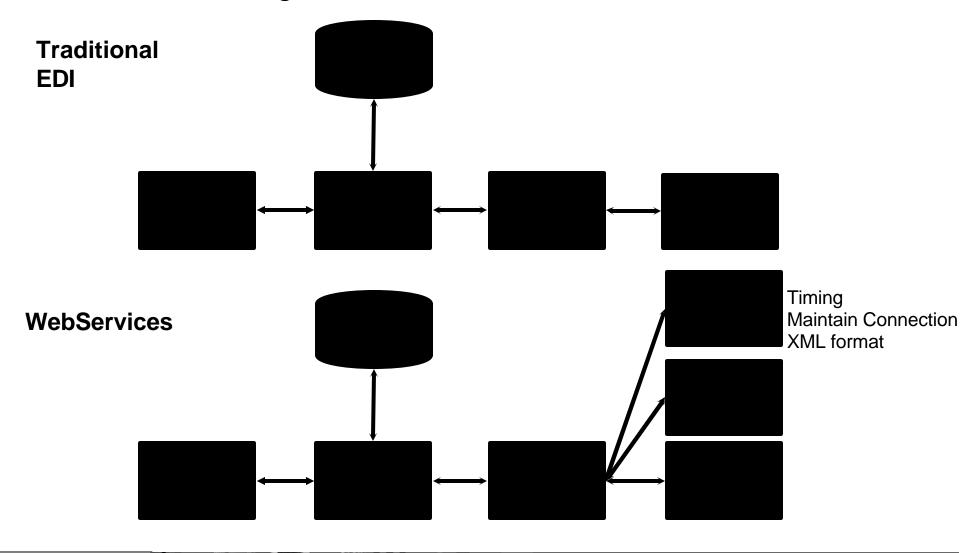


Views from the Flight Deck, Burlington Northern Santa Fe Railway Company

- Operates one of the largest railroad networks in North America
- 33,000 Route Miles
- Covering 28 States and two Canadian Provinces
- Network covers the western two thirds of the United States
- Moves more Intermodal equipment then any other Railroad in the world
- America's largest grain-hauling railroad
- Hauls enough coal to generate more than 10 percent of the electricity produced in the United States
- Employs approximately 38,000 people.
- Exchange approximately a million transactions every day

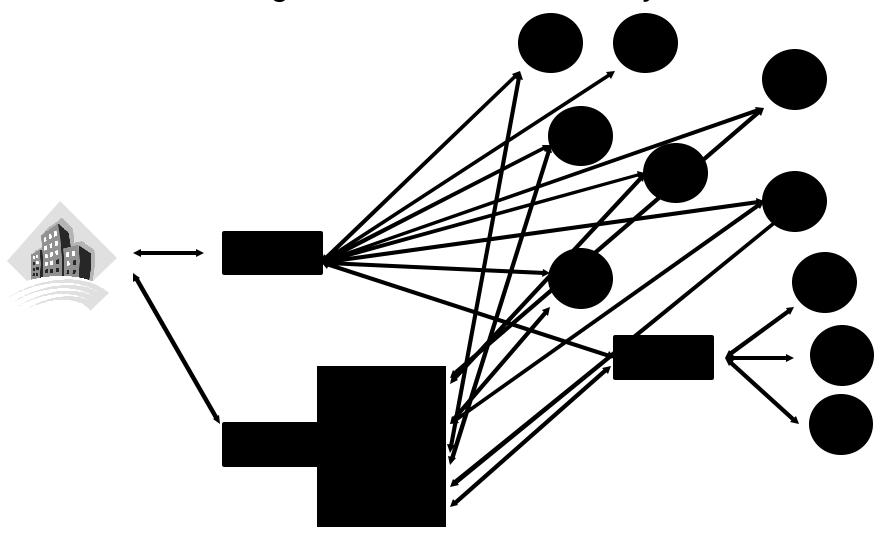


Views from the Flight Deck, WebServices





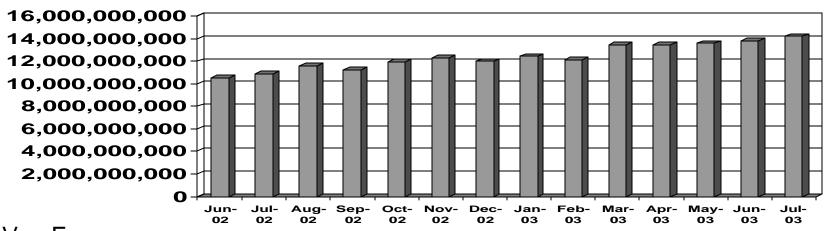
Views from the Flight Deck, B2B Connectivity



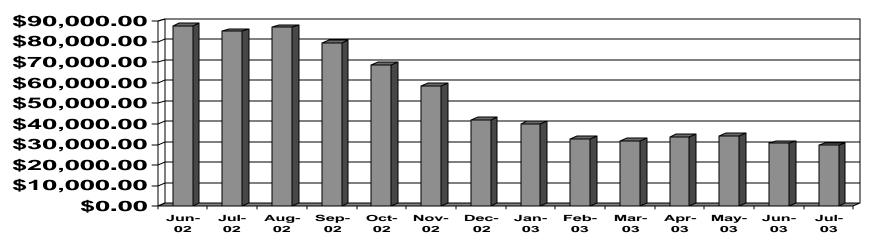


Views from the Flight Deck, B2B Connectivity

Character Cost

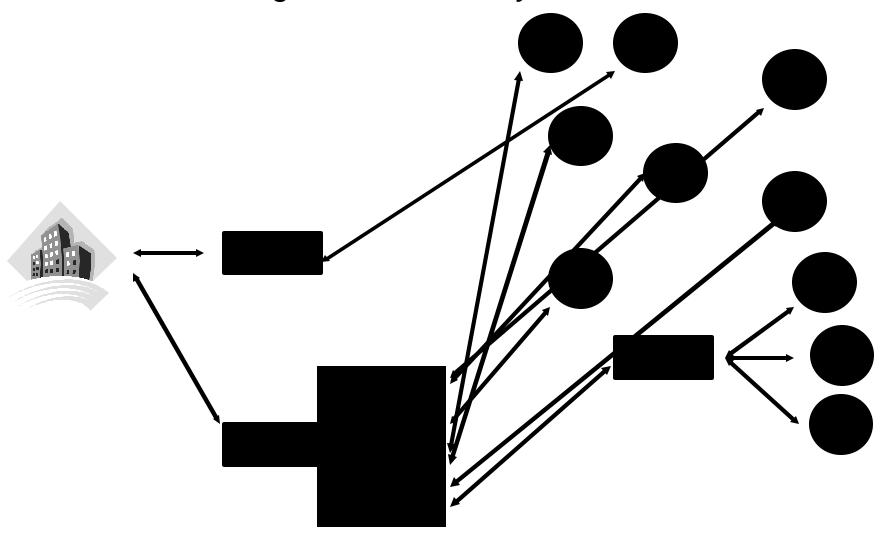


Van Fee





Views from the Flight Deck, Security





Views from the Flight Deck, Security

- AS2
- S/MIME
- PGP
- SFTP
- HTTPS
- VPN
- Hardware Solutions



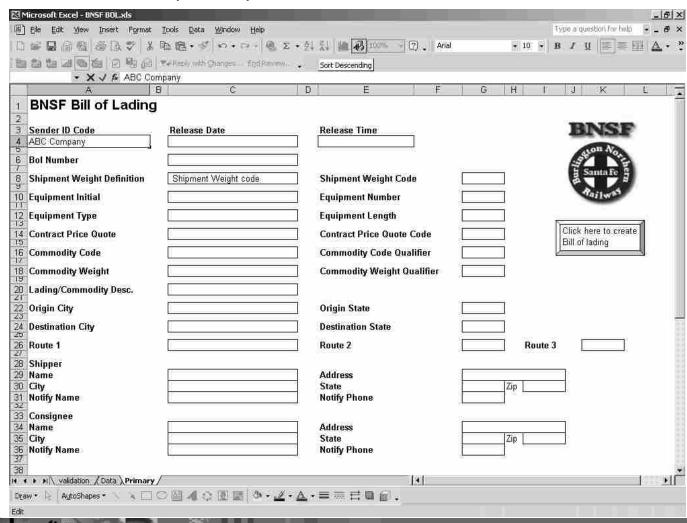
Views from the Flight Deck, Data Transformation

- X12
- EDIFACT
- CLM
- TRAINII
- Flat file
- XML





Views from the Flight Deck, Data Transformation (CSV)



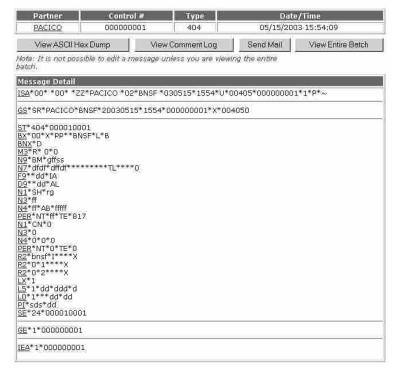


Views from the Flight Deck, Data Transformation (CSV)

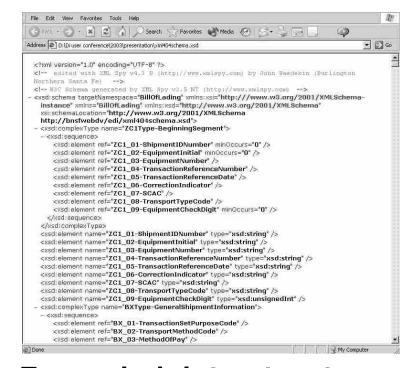
```
BNSF BOL Send.csv - Notepad
                                                                                                                                                                               _ & X
 File Edit Format View Help
 $$ADD ID=abcco BATCHID='CSV404AA' RECEIVER=BNSFFLAT PASSWORD=cant show that .
 SENDER ID CODE, ABC Company
 RELEASE DATE, 37760
 RELEASE TIME, 0.291666667
 BOL NUMBER, = UPPER (Primary!C6)
 SHIPMENT WEIGHT CODE,
 EQUIP INIT, 0
 EQUIP NUMBER, 0
EQUIP TYPE.0
EQUIP LENGTH,0
 ORIGIN CITY, 0
 ORIGIN STATE, 0
DESTINATION CITY, 0
DESTINATION STATE, 0
 SHIPPER NAME, O
 SHIPPER ADDRESS, 0
 SHIPPER CITY, 0
 SHIPPER STATE, 0
 SHIPPER ZIP CODE, 0
 SHIPPER NOTIFY NAME, 0
 SHIPPER NOTIFY PHONE, 0
 CONSIGNEE NAME, 0
 CONSIGNEE ADDRESS, 0
 CONSIGNEE CITY, 0
CONSIGNEE STATE, 0
 CONSIGNEE ZIP CODE, 0
CONSIGNEE NOTIFY NAME, 0
 CONSIGNEE NOTIFY PHONE, 0
ENTITY 1 CODE,
ENTITY 1 NAME, 0
ENTITY 1 ADDRESS, 0
 ENTITY 1 CITY, 0
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ENTITY 1 ZIP CODE, 0
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 ENTITY 1 NOTIFY PHONE, 0
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ENTITY 2 CODE,
ENTITY 2 NAME,0
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ENTITY 2 CITY,0
ENTITY 2 STATE,0
ENTITY 2 ZIP CODE,0
ENTITY 2 NOTIFY NAME,0
ENTITY 3 CODE
ENTITY 3 NAME, 0
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ENTITY 3 STATE, 0
ENTITY 3 ZIP CODE,0
ENTITY 3 NOTIFY NAME,0
 ENTITY 3 NOTIFY PHONE, 0
 ENTITY 4 CODE.
 ENTITY 4 NAME, 0
```



Views from the Flight Deck, Data Transformation (XML)



Compressed
Expensive startup
Standard
Readable with training



Expanded data structure Less expensive startup Flexible Readable



Views from the Flight Deck, What to keep an eye on

- Security/Encryption
- Communication
 - Frame Relay
 - Internet
- XML
 - Standards
 - Transformation



Views from the Flight Deck,

Questions?

