2004 WDI / WBIC Customer Conference

Global Business Transformation

Adventures in Migration

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WebSphere. software
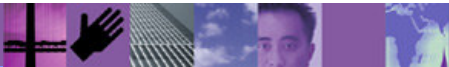
IBM

e business software

MetLife®

- #1 U.S. Life Insurer - $2.5 trillion of life insurance in-force

- Largest non-medical health provider of institutional employee benefits

- 37 million lives under group benefits

- Ranked #1 in most group product areas - life, auto and homeowners, and long-term care

- Customers -

  ➢ U.S. - 13 million households

  ➢ International - 8 million customers in 11 locations

- Listed on NYSE - April 2000

- MetLife is in 1 out of every 5 households in the U.S.

MetLife®

- Products and Services offered by MetLife and its affiliates include:

  ➢ Insurance (Life, Long-Term Care, Disability, Dental, Auto & Homeowners)

  ➢ Annuities

  ➢ Individual bank products

My Objectives for the WDI 3.2 Migration

- Ultimately, to survive yet another migration…
- Create Lab environment for system testing
- Provide stable test and production environments for end users
- Convert existing data objects to WDI 3.2 for immediate use by end users...
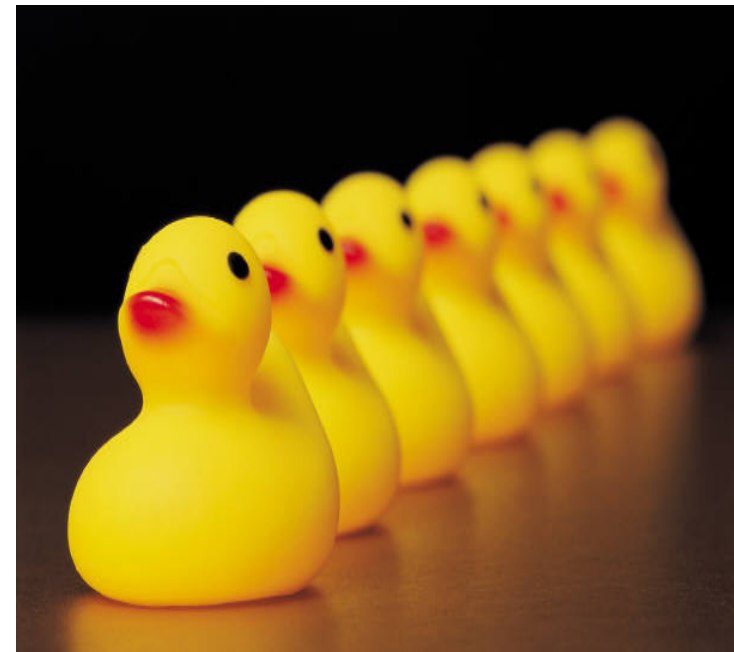
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Know Your Environment

- Why upgrade?

  ➢ EOS 12/31/04 - No other reason needed!

  ➢ Any-to-any translation

  ➢ Ease of use

- Where we started from

  ➢ DI 3.1 on z/OS 1.2 - Host Only

  ➢ DB2 Connect v7.2 for Client availability - however, not used

- Where we are today

  ➢ WDI 3.2 on z/OS 1.4

  ➢ DB2 Connect v8.1

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Create a Migration Plan

- MVS upgrade to z/OS 1.4
- DB2 Connect upgrade to v8.1
- Application of all current RSU Maintenance
- Installation of multiple Fixpacks
- Documentation for end users

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MVS upgrade to z/OS 1.4

- Timing is everything…
- Created WDI 3.2 on Lab environment and then re-ipl'd operating system between z/OS 1.2 and z/OS 1.4
- Test, test and then test again!

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Middleware: Upgrade to DB2 Connect Version 8.1

- Running on dedicated LPAR IBM P690 Regatta servers
- Matching pairs of servers configured for test and production.
- Primary server onsite with secondary server failover offsite
- Global Site Selector used for automated geographic failover for outages on primary server - greater "up" time
- Real time updating to the host in client-server mode via ODBC link
- Ideal for multi-user environment with concurrent users

Application of RSU Maintenance

- **Important! Do not neglect regular maintenance while completing the installation and migration to a new system.**
- **Applied maintenance across operating systems, DB2 sub-systems and LPAR's**

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Installation of Multiple Fixpacks

- Understand the difference between CSDs, Fixpacks, APARs and PTFs…..
- Get used to installing…it builds confidence!
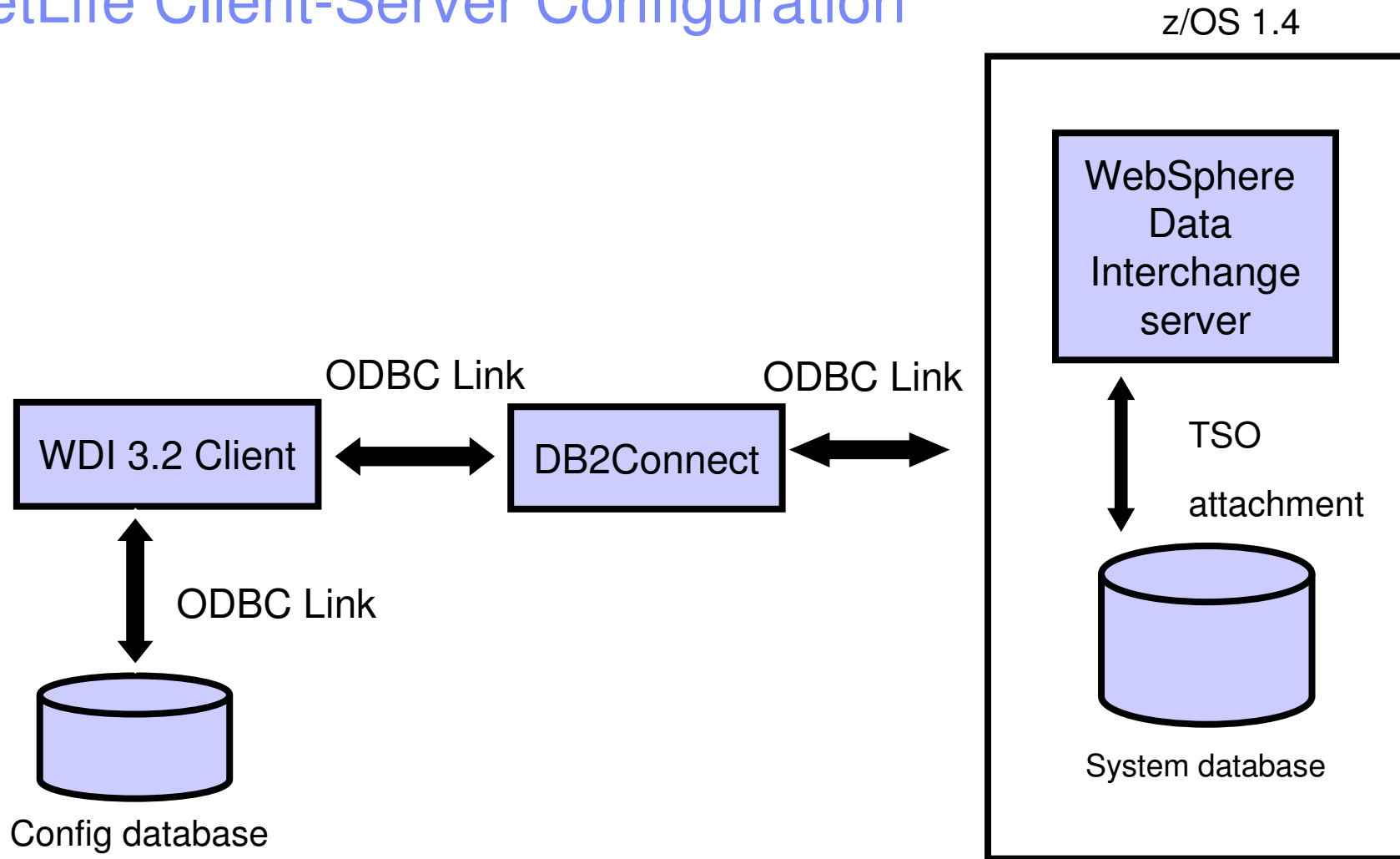
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Documentation for End Users

- Created share drive for end users/site support to access software, Fixpack's and manuals
- Provided installation instructions specific to MetLife
  - ➢ WDI 3.2
  - ➢ DB2 Connect v8.1
  - ➢ Defining multiple systems within WDI 3.2

MetLife Client-Server Configuration

z/OS 1.4

WebSphere Data Interchange server

WDI 3.2 Client

ODBC Link

DB2Connect

ODBC Link

ODBC Link

TSO attachment

Config database

System database

Assess Your Data

- Requested end user review of individual projects
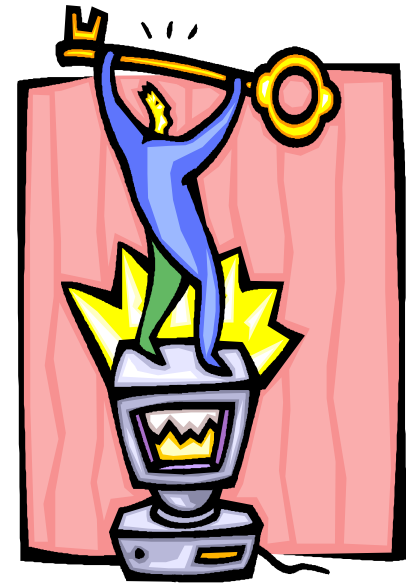- Only migrate data objects currently in use

Common WDI 3.2 Pitfalls

- Conversion/migration job is lengthy

  ➢ had to run job multiple times in lab environment due to "loose ends"

  ➢ learning experience for test and production...

- Only convert the standards in use prior to X12 4.1 - otherwise use client format download from the web

Survival is Key!

- Even the best laid plans can fail…
- Plan B is essential
- Go with the flow

Provide Support As Needed

- **Greater data validation in WDI 3.2**

  ➢ Some maps were converted but did not compile cleanly

  ➢ Worked through missing mandatory segments

- **End users required to make changes in two test systems for the time being - to keep systems in sync**

  ➢ DI 3.1 Host

  ➢ WDI 3.2 Client

Summary

- I have survived! So far….
- Lab environment exists for system testing
- End users have a stable test environment
- Migration testing continues
- Conversion/migration job for production should be a breeze!

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