



IBM Software Group

# ***IBM WebSphere® Data Interchange V3.3***

## ***Installing z/OS Server***



@business on demand.

# Agenda

- **New aspects of the 3.3 install**
- **Install steps**
- **Operational changes**
- **Migration considerations**
- **Error Notification install step, Java**
- **Summary**

## Install Guide – Chapter 2

- **WDI Version 3.3 Installation Guide for z/OS**
  - ▶ Chapter 2 - Installing WebSphere Data Interchange
- **Migration from versions 3.1 and 3.2**
- **Dataset naming convention**
  - ▶ EDI.V3R3M0.\*
- **DB2 plan name and high-level qualifier**
  - ▶ EDIENU33
- **Administrator's Menu removed**
  - ▶ No more VSAM, GDDM, and CLIST considerations

# z/OS Install Steps

- 1 Copying sample installation JCL library EDIJCOPY
- 2 SMP/E Considerations for Installing
- 3 Allocating SMP/E control data sets EDIJASMP (Optional Job)
- 4 Initializing the SMP/E CSI data set EDIJINIT (Optional Job)
- 5 Allocating target and distribution libraries EDIALLOC
- 6 WebSphere Data Interchange SMP/E EDIDDDDEF
- 7 WebSphere Data Interchange SMP/E EDIRECEV
- 8 WebSphere Data Interchange SMP/E EDIAPPLY
- 9 WebSphere Data Interchange SMP/E EDIACCEP 26 ACCEPT
- 10 Processing Cumulative Service Tape, if Applicable
- 11 Creating Version 3.3 repository DB2
- 12 Loading repository DB2 tables EDIJRDLD
- 13 Running RUNSTATS on the loaded DB2 EDIJRNST

# z/OS Install Steps

- 14 Binding the DB2 plan EDIJBIND
- 15 Granting authorization on the DB2 objects EDISGRNT
- 16 Importing sample default data EDIJDAT1
- 17a (**If migrating from 3.1 or 3.2 DB2**) Build EDIJXPAD
- 17b (**If migrating from 3.1 VSAM**) Build EDIJXPAV
- 18a (**If Migrating from 3.1 or 3.2 DB2**) Migrate EDIJEXPD
- 18b (**If Migrating from 3.1 VSAM**) Migrate EDIJEXVD
- 19 Verifying the installation
- 20 Reviewing operational enhancements
- 21 Migrate operational data (Transaction store, See APPENDIX B)
- 22 Common Event Handler (optional)



# z/OS Operational Changes

- **The Administrator's Menu has been removed from the z/OS interface**
  - ▶ These functions now performed using the WDI Client
- **Error Notification Java API Support**
- **DT Functional Acknowledgment and Service Segment Validation maps shipped with WDI**
  - ▶ First character in names changed from '\$' to '&'
- **WDI 3.3 Database is UNICODE**
- **DT (Data Transformation) Document Store**
  - ▶ Captures information & images for XML and ADF



## 3.3 Install DB2 Considerations

### ■ Define TSO ID 'EDIENU33'

- ▶ Give it **DB2 SYSADM** authority
- ▶ Use this ID to create all WDI DB2 objects
- ▶ 'EDIENU33' is the high-level qualifier
- ▶ Use '**SET CURRENT SQLID=EDIENU33**' when creating objects

### ■ WDI 3.3 database is Unicode

- ▶ The EDIDB33E database is created with: **CCSID UNICODE**
- ▶ Be sure Unicode Support is active and supports the needed code page conversions for your environment
- ▶ DB2 Installation Guide, section "Customizing support for Unicode"

## 3.1 to 3.3 Migration Considerations

- **Network Operation profiles (NETOP)**
  - ▶ No migration should occur
  - ▶ The installation process will load the 3.3 “canned” version of these profiles
  
- **Operational objects converted**
  - ▶ Objects such as Maps, EDI Standards, and Application Data Formats that existed under the z/OS interface were converted for compatibility with the Windows 3.3 Client
  - ▶ Occurs automatically during Import into 3.3
  - ▶ 3.3 EDI maps dependent on current standard definition
  
- **See EDI31DOC in EDI.V3R3M0.SEDIINS1**
  - ▶ Information on 3.1 to 3.3 conversion of maps and other objects



## 3.1 to 3.3 Migration Considerations

- **Control block changes**
  - ▶ Only a concern for API users
  - ▶ Field **LOGLOCK** changed from 1 to 17 characters
    - Effected profile data blocks
      - ▶ Network profile
      - ▶ Mailbox profile
      - ▶ Network Security profile
      - ▶ Trading Partner profile
  - ▶ The Utility Control Information block (the FFUS block)
    - Size changed from 248 to 300
    - More information in the CICS Install presentation



## 3.2 to 3.3 Migration Considerations

### ■ **Export/Import**

- ▶ Migration of maps, profiles, control strings, and other objects automatically occurs via export/import during the installation process

### ■ **Special Migration Programs**

- ▶ Transaction Store
- ▶ Management Reporting
- ▶ SAP
- ▶ Appendix B in the Installation Guide

### ■ **Control block changes**

- ▶ Size of the Utility Control Information block changed from 248 to 300
- ▶ More information in the CICS Install presentation

# Error Notification Install Step

## ■ New step for Error Notification setup

- ▶ Also called “Common Event Handler” or “Email Alert”
- ▶ Involves entering USS (Unix System Services) commands from the ISPF Command screen

## ■ Error Notification files

- ▶ **edicevh.jar** - Common Event Handling Java API
- ▶ **edicevhsample.jar** - Sample email notification event handler with java source
- ▶ **env.profile** - Java runtime environment variables for Java in batch JCL
- ▶ **wdi.properties** - default Common Event Handling properties

# Error Notification Install Step

## ■ Sample Email Notification

- ▶ If the WDI-supplied email notification sample is to be used, then two files need to be downloaded from Sun Microsystems
  - activation.jar and mail.jar are required
  - <http://www.sun.com>

## ■ WebSphere MQ

- ▶ com.ibm.mq.jar, com.ibm.mqjms.jar, and connector.jar are required
- ▶ The CLASSPATH in env.profile needs to include the MQ directory where these files are located, or these files need to be copied to the WDI home directory

## ■ wdi.properties

- ▶ The control file for Email Notification

# ISPF Command Screen - omvs

- From the **ISPF Primary Option Menu** select **Command**
  - ▶ Often option 6
- On the command line enter: **omvs**
- Then any **UNIX** command can be entered. For example:
  - ▶ `mkdir /u/edi/java`
  - ▶ `cd /u/edi/java`
  - ▶ `ls -la`
- When finished with **UNIX** commands, enter **exit** to go back to ISPF



# ISPF Command Screen – oedit and obrowse

- From the **ISPF Primary Option Menu** select **Command**
  - ▶ Often option 6
- On the command line enter: **oedit**
  - ▶ Directory ==> /u/edi/java
  - ▶ Filename ==> env.profile
- On the command line enter: **obrowse**
  - ▶ Directory ==> /u/edi/java
  - ▶ Filename ==> env.profile



# ISPF Command Screen - oput

- ISPF datasets can be copied to the Unix System Services HFS (Hierarchical File System) using the **oput** command
- From the **ISPF Primary Option Menu** select **Command**
  - ▶ Often option 6
- On the command line enter:  
**oput 'edi.v3r3m0.sedihfs2(fxxprof)' '/u/edi/java/env.profile' text**
- This command copies FXXPROF to the home directory renaming it to env.profile



# Verifying the Error Notification Install

## ■ JCL job EDIJCEH

- ▶ EDI.V3R3M0.SEDISAM1(EDIJCEH)
- ▶ Will send a hard-coded test text string to the “to” address in wdi.properties
  - MSG from: WDI Common Event Handler Java API verification job EDIJCEH.
- ▶ Instructions for email error determination and debug



# z/OS Installation Verification

- **Administrator's Menu (WDI Facility) removed**
  - ▶ No more VSAM, GDDM, and CLIST considerations
  - ▶ These functions now performed using the WDI Client
  
- **Install verification done with WDI 3.3 Client**
  - ▶ Install WDI 3.3 Client
  - ▶ Establish client/server access to the z/OS database
  - ▶ View profiles, maps, standards, data formats, etc.



# Summary

- **z/OS install steps**
- **Operational changes**
- **Migration considerations**
- **Error Notification install implications**
  - ▶ Unix commands from ISPF Command screen
- **DB2 Considerations**
  - ▶ WDI 3.3 Database is UNICODE

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