



IBM Software Group

# WebSphere Data Interchange V3.3 for z/OS: Lessons Learned from Support

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# Agenda

- Software requirements
- Installation steps
- Migration considerations
- Operational changes
- CICS considerations
- Problems unrelated to installation

# Software Requirements – Q&A

- WebSphere Data Interchange 3.2.1 for z/OS – End of support date – 26 Apr 2010
- z/OS V1R6 or later (5694-A01) per announcement letter.
  - ▶ z/OS V1R9 or later per link:
    - <http://www-01.ibm.com/support/docview.wss?uid=swg21296152>
- DB2 for z/OS or OS/390 V7 or later (5645-DB2) per announcement letter
  - ▶ DB2 V9 per link:
    - <http://www-01.ibm.com/support/docview.wss?uid=swg21315369>
  - ▶ If using DB2 for z/OS v9, you may need current DB2 maintenance to prevent the following error from WDI Client when opening a Data Format record: "11512 The selected object is not available on the system."
    - DB2 APAR/PTF = PK84394/UK47903 - INCORROUT (NO ROW FOUND) DURING THE SECOND (AND LATER) CALL ON PROCEDURE TO RUN QUERY WITH VARCHAR HOSTVAR AND INDEX ACCESS.

# Software Requirements – Q&A (Cont'd)

- IBM® XML Toolkit for z/OS, V1.9 (needed for batch Data Transformation or for submitting server commands from WDI Client v3.3)
  
- Windows® 2000 or Windows XP is required for WebSphere Data Interchange Client operation per announcement letter.
  - ▶ Windows Vista per link:
    - <http://www.ibm.com/support/docview.wss?uid=swg21294717>
  - ▶ Windows 2003 per link:
    - <http://www.ibm.com/support/docview.wss?uid=swg21394555>
  
- DB2 Connect v8.2 or version compatible with your DB2 level.
  - ▶ Use of non-DB2 ODBC connectivity software has not been tested and is not officially supported.

# Optional Software - Q&A

- CICS Transaction Server for z/OS Version 2.3 (5697-E93) or later (required for Online mode) per announcement letter.
  - ▶ CICS v3.2 per link:
    - <http://www.ibm.com/support/docview.wss?uid=swg21376575>
- IBM SDK for z/OS, Java™ 2 Technology Edition Version 1.4
  - ▶ Service Level SR(6) (PTF UK17574) or higher
  - ▶ Used by WDI Common Event Handling Java API
  - ▶ Also used for XML Transformation under CICS

# Installation overview

- WebSphere Data Interchange Version 3.3 Installation Guide for z/OS (SC34-6269-01):  
<http://www.ibm.com/software/integration/wdi/library/pubs/>
- Use appropriate Table from Installation Guide as a checklist
  - ▶ Table 5 - New customer
  - ▶ Table 6 - Existing customers: v3.1 or v3.2
  - ▶ Table 7 - CICS
    - CICS customers must first complete New or Existing scenario above

# Step 1 - 10: SMP/E functions

- Initialize distribution and target zones. Pay close attention to CALLLIB DDDEF entries
  - ▶ These resolve external references to products such as DB2, WMQ, and CICS
  - ▶ If you do not have optional software, then replace DDDEF library name with EDI.V3R3M0.SEDISTUB
- Allocate distribution and target libraries
- RECEIVE, APPLY, and ACCEPT
- Apply recent cumulative maintenance to avoid known defects

# Step 11: Creating v3.3 DB2 Objects

- Define TSO ID 'EDIENU33' with DB2 SYSADM authority
- Use this ID to create all objects via:
  - 'SET CURRENT SQLID=EDIENU33'
- EDIENU33 is also the high-level qualifier (HLQ)
- Can use a different HLQ , but then SQLID creating objects must match HLQ
- EDIDB33E database is created with CCSID UNICODE
  - ▶ Requires code page conversion services of z/OS
  - ▶ For details, see DB2 Installation Guide, Customizing support for Unicode
  - ▶ Example error in batch: DSNT408I SQLCODE = -332, ERROR: CHARACTER CONVERSION BETWEEN CCSID 00367 TO 01208 REQUESTED BY DSNXROUA IS NOT SUPPORTED
  - ▶ Resolution: add CONVERSION 0367,1208 to your conversion environment. A helpful system command "DISPLAY UNI,ALL" displays available conversions on your system
  
- Verify that EDISDB2 runs to completion. There are important INSERT statements towards the end; e.g. INSERT INTO EDIENU33.EDIPSDI. If these inserts are not run, WDI 3.3 cannot initialize



# Step 11: (Cont'd)

- Customers migrating from a previous release:
  - ▶ Previous release must be executable for the duration of migration
    - Subsequent jobs use v3.2 or v3.1 environment to export configuration data, e.g. maps, data formats, standards, etc.
  - ▶ If installing on the same DB2 subsystem, a different SQLID with matching high-level qualifier must be used
    - As provided, EDIENU32 is for v3.2 and
    - EDIENU33 for v3.3
  - ▶ v3.2 customers must be at PTF level UK10658, dated Jan 10, 2006, or higher in support of Business ID database changes
  - ▶ Other PTFs may also be needed, as we will cover later

## Step 11: (Cont'd)

- Sub-bullets 4 and 5 enable new features of v3.3 which use DB2 stored procedures
  - ▶ See the following webcast for details: Configuring WebSphere Data Interchange 3.3 for z/OS Stored Procedures in a WLM Application Environment  
<http://www.ibm.com/support/docview.wss?uid=swg27013790>
- If you do not use the features as described above, you can
  - ▶ Remove stored procedure definitions from last section in EDI.V3R2M0.SEDISQL1(EDISDB2)
  - ▶ Remove BIND PACKAGE(EDI33001) from EDI.V3R3M0.SEDIINS1(EDIJBIND)

## Step 12 - 15: Complete DB2 activity

- Step 12 - Job EDIJRDLD loads DB2 Tables via DB2 utility procedure DSNUPROC
- Step 13 - Job EDIJRNST Runs RUNSTATS command via DB2 utility procedure DSNUPROC
- Step 14 - Job EDIJBIND binds the EDIENU33 DB2 Plan via IKJEFT01 utility
  - ▶ EDIENU33 plan used for all WDI batch processing
  - ▶ Also includes package bind for DB2 stored procedure
  - ▶ Can remove “BIND PACKAGE (EDI33001)” if you will not be using new feature for server command submission
- Step 15 – Member EDISGRNT grants authorization to DB2 objects via SPUFI

# Step 16: Import Default Data

- Job EDIJDAT1 runs the WDI main utility program EDIFFUT
- Successful completion is verification that basic WDI 3.3 z/OS components were installed correctly
- Sample data transformation and functional acknowledgement maps, setup profiles, etc. are imported
- Does not migrate data from previous release
- WDI is now in a “New Install” state

## Step 16: Import Default Data (Lessons learned)

- Steplib concatenation must contain EDI.V3R3M0.SEDILMD1
  - ▶ Not the 3.2 or 3.1 version of same loadlib
- If EDIJDAT1 encounters ABEND S0C1, likely cause would be from using SEDILMD2. Change back to EDI.V3R3M0.SEDILMD1
- If EDIJDAT1 encounters ABEND S0C4 in EDIIOS, remove EDI.V3R3M0.SEDILMD1 from APF or apply PTF UK43744 to 3.3
  - ▶ To check APF authorization:
  - ▶ /D PROG,APF,DSNAME=EDI.V3R3M0.SEDILMD1
- If EDIJDAT1 fails with: Program failed attempting to initialize the Service Director. Return code = 4. Extended return code = 12
  - ▶ See link: <http://www.ibm.com/support/docview.wss?uid=swg21385010>
  - ▶ If DB2 errors are not present in joblog, then likely cause is that INSERT statements were not run successfully from EDISDB2 (Step 11)

## Step 17 – 18: Migrate prior release data

- Migrates EDI standards, Data Formats (ADFs), Maps, Control Strings, XML schemas and DTDs, Profiles, Code lists (validation tables), and Translation tables
- Requires batch access to previous release
- Step 17 – Builds control file for use to export from prior release, i.e. builds a lists of all objects to be exported
  - ▶ (a) Job EDIJXPAD for v3.2 and v3.1 (using DB2)
  - ▶ (b) Job EDIJXPAV for v3.1 using VSAM
- Step 18 – Exports from prior release and imports into v3.3
  - ▶ (a) Job EDIJEXPD for v3.2 and v3.1 (using DB2)
  - ▶ (b) Job EDIJEXVD for v3.1 using VSAM



# Step 17 – EDIJXPAD lessons learned

- Joblib concatenation must contain:
  - ▶ EDI.V3R3M0.SEDIV3Rx (3.3 target lib), Followed by:
  - ▶ EDI.V3RxM0.SEDILMD1, (3.2 or 3.1 target lib)
    - Where x is “2” when migrating from 3.2, or “1” when from 3.1
- If EDIJXPAD encounters ABEND S0C1, likely cause would be from using EDI.V3R3M0.SEDILMD1 in the Joblib.
  - ▶ Change back to your 3.2 or 3.1 version of SEDILMD1
- If EDIJXPAD fails with: Program failed attempting to initialize the Service Director. Return code = 4. Extended return code = 12
  - ▶ If DB2 errors are not present in joblog, then likely cause would be from incorrect PARM data, e.g. comma in PARM('ENU,DIENU')
    - Correct parm format: PARM('ENU DIENU')
    - Where DIENU is the SYSID
- If PTF UK47190 is not applied to your 3.2 system, CTLFILE may be incomplete for translation tables and code lists, hence leading to missing tables on 3.3

## Step 18 – EDIJEXPD Job step breakdown

- STEP003 uses EDIFFUT to **export** from previous release
  - ▶ Steplib concatenation:
    - EDI.V3R3M0.SEDIV3Rx (3.3 target lib), followed by:
    - EDI.V3RxM0.SEDILMD1, (3.2 or 3.1 target lib)
    - Where x is “2” when migrating from 3.2, or “1” when from 3.1
    - Exception: EDI.V3R3M0.SEDIV3R2 should not be used when specific 3.2 PTFs are applied, as covered later
  
- STEP004 – STEP008 use EDIFFUT to **import** previous release data into 3.3
  - ▶ Steplib must contain EDI.V3R3M0.SEDILMD1



## Step 18 – EDIJEXPD Export lessons learned

- If STEP003 export of data formats from 3.2 encounters these errors , then apply UK54366 to 3.2:
  - ▶ Message: RS0000 Severity: 12 An error occurred during a repository access. Repository identifier = 32. Repository function ID = 68. Repository type =DB2  
\*\*\*\*DSNT408I SQLCODE = -302, ERROR: THE VALUE OF INPUT VARIABLE OR PARAMETER NUMBER 1 IS INVALID OR TOO LARGE FOR THE TARGET COLUMN
  - ▶ Message: EI0012 Severity: 12 Data Base error--Function = 0068, DB2 Table = EDIVADF2, Key = data\_format\_name, DB2 return code = 00012,-0302.  
\*\*\*\*EI\_LOC=03465, CB\_RC=00012, CB\_EC=-0302
- If STEP003 export of a specific ADF hangs, i.e. looping, then apply PTF UK39721 to 3.2 and edit the steplib in STEP003 of EDIJEXPD to comment-out the SEDIV3R2 lib
- If STEP003 export of maps do not include Comments -- apply PTF UK27714 to 3.2 and edit the steplib in STEP003 of EDIJEXPD to comment-out the SEDIV3R2 lib
- If STEP003 encounters B37 out-of-space ABEND and the following error against EDIEITBL dd, then apply UK12324 to 3.2
  - ▶ Message: EI0018 Severity: 08 Unable to write to the file EDIEITBL--return codes 00012,02871 \*\*\*\*EI\_LOC=00745, CB\_RC=00012, CB\_EC=02871

## Step 18 – EDIJEXPD Import lessons learned

- STEP004 performance improvement, especially when replacing EDI standards, can be achieved by adding two new DB2 indexes
  - ▶ See bottom section of the following technote for index definitions:  
<http://www.ibm.com/support/docview.wss?uid=swg21209342>
- If STEP004 import of standard fails with EI0025 error, then apply PTF UK24746 to 3.3
- STEP005 Data format Record ID Information objects that are not tied to an existing data format dictionary are not migrated. But implies they are not currently in use anyway. This is a limitation of export, i.e. no fix
- STEP006 control strings that are not tied to an existing map are not migrated. This is a limitation of export. Previous release migrations used DB2 unload/load utilities, which would have carried forward any “detached” control strings
  - ▶ Use the following SQL to identify control strings in 3.2 that don't exist in 3.3:  

```
SELECT * FROM EDIENU32.EDICSTX A WHERE NOT EXISTS  
  (SELECT MAPID FROM EDIENU33.EDICSTX WHERE A.MAPID = MAPID)  
  
ORDER BY MAPID;
```
- If STEP006 import of 3.1 map hangs, i.e. looping, then apply PTF UK33664 to 3.3

## Step 18 – EDIJEXPD Import lessons learned (cont'd)

- If STEP008 import of validation tables (code lists) fails with
  - ▶ Message: FM0100 Severity: 08 Unformat Tagged Data error. End of record reached while tags exist.\*\*\*\*MODULE = EDI.TE52INT.CCC(EDIFMTU), LINE = 987, SERVICE = FMSRV, FUNCTION = 13, CCB\_RC = 0, CCB\_ERC = 0
  - ▶ Apply UK12324 and re-run EDIJEXPD from the beginning
- STEP008 import of validation tables (code lists) encounters the following messages:
  - EI0047 \*\*\*\*\* Importing Table **103Xnnn** \*\*\*\*\*
  - Message: EI0025 Severity: 12 A Profile Services error occurred--see error log for message \*\*\*\*EI\_LOC=01073, CB\_RC=00008, CB\_EC=00302
  - FF0515 Import processing failed, see messages above for details.
  - ▶ DB2 table EDIPSTV holds the entries for all code lists (validation tables)
  - ▶ DB2 table EDIPSTD defines the attributes of each validation table
  - ▶ The latent EI0025 error (on import) is the result of the KEYLN value being incorrect in EDIPSTD on the source system, i.e. 3.2 or 3.1, for validation table “**103X**” ending with “**nnn**”, where “nnn” represents the version of the standard

## Step 18 – EDIJEXPD Import lessons learned (cont'd)

- Continued...
  - ▶ The incorrect KEYLN on the source system is causing export processing to generate a duplicate entry, thereby encountering the latent error on import.
  - ▶ To resolve the problem, update the DB2 table on the source system such that KEYLN matches the needed value
  - ▶ For example: use SPUFI to correct validation table 103X210 at the source:  

```
UPDATE EDIENU32.EDIPSTD SET KEYLN = 3 WHERE TBLID = '103X210';
```
  - ▶ Since the problem is on the source system, you must re-run EDIJEXPD from the beginning
  - ▶ Note: do not assume this same KEYLN setting of 3 pertains to any other EDI code lists besides those for X12 data element 103
  - ▶ Note2: if you no longer require this particular validation table, then an alternative is to remove the associated record from the export control file or delete the old table from the source system

## Step 18 – EDIJEXPD Recovery from failures

- How to recover from general export/import errors...
- If failure occurs in export STEP003, remove record identifying failing object name from EDI.PRE33.CTLFILE and then re-run EDIJEXPD
- If failing in STEP004 – STEP008:
  - ▶ Do same as above or,
  - ▶ To avoid having to re-export again, remove entire failing object from EDI.PRE33.EIxxx

Note: This requires an understanding of WDI export data, and some EIxxx files may be quite large, thus cannot be readily edited.
- If you wish to re-migrate from scratch, see the following technote for instructions:
  - <http://www.ibm.com/support/docview.wss?uid=swg21209342>

## Step 18 – EDIJEXPD Recovery (cont'd)

- If you run out of space on any DB2 table during import, e.g.
  - DSNT408I SQLCODE = -904, ERROR: UNSUCCESSFUL EXECUTION CAUSED BY AN UNAVAILABLE RESOURCE. REASON 00D70014
  - Due to referential integrity constraints on many tables, it is easiest to drop the entire 3.3 EDIDB33E database and re-migrate (see aforementioned re-migrate instructions)
    - First, increase PRIQTY and SECQTY space allocations in EDISDB2 for needed objects
    - Be aware that CREATE TABLESPACE and CREATE INDEX both contain these settings.
- For general purpose information on all WDI DB2 tables, see Appendix C of the WDI 3.3 Programmer's Reference – link to all WDI publications:
  - <http://www-01.ibm.com/software/integration/wdi/library/pubs/>

## Step 19: Verifying the installation

- WDI main utility program EDIFFUT was already used by EDIJDAT1 in Step 16, thus verifying basic batch processing
- Install WebSphere Data Interchange Client
- Set up Client Access to the z/OS database client/server mode
  - ▶ Uses DB2 Connect
  - ▶ For More information see Chapter 2 of the WebSphere Data Interchange User's Guide (SC34-6215-01)
- View or open each object type
  - ▶ If new customer, default load data contains samples
  - ▶ If existing customer, check each object type that would have been migrated from the previous version

## Step 20: Operational changes for prior release customers

- Administrator's Menu removed from the z/OS interface
  - ▶ TSO CLIST and CICS EDIA support removed
- Functions now performed using WDI Client v3.3
- Event logging on View menu
- Transaction Store replaced by new Document Store
  - ▶ Supports similar features as Transactions Store
  - ▶ Also captures information and images for Data Transformation (DT) in all three formats: EDI, XML and ADF
  - ▶ Administrator's Menu functions for translating, enveloping, and networking, are enabled on WDI Client v3.3 via DB2 stored procedures in Step 11
  - ▶ Familiarize yourself with WDI Client v3.3 features



## Step 20: Operational changes (Cont'd)

- DT Functional Acknowledgment and Service Segment Validation maps shipped with WDI
  - ▶ First character in names changed from '\$' to '&
- WDI v3.3 Database is Unicode
- JCL changes
  - ▶ Load library name changed to V3R3M0
  - ▶ DB2 plan name changed to EDIENU33
  - ▶ Point to new XML Toolkit version
  - ▶ v3.1 customers
    - Note API control block changes
    - VSAM customers should use sample EDIUTILD in SEDISAM1 to recreate JCL

## Step 21: Migrating Operational Data

- Special migration programs are provided to migrate Transaction Store, Management Reporting, and SAP status data from WDI v3.2
  - ▶ No support for migrating from v3.1
  - ▶ Requires PTF UQ80131 / APAR PQ78335 to be applied to v3.2
- Appendix B provides specific instructions:
  - ▶ B.1 Binding the DB2 Plan for unload
  - ▶ B.2 Granting Permission on the DB2 Plan for unload
  - ▶ B.3 Unloading the WDI v3.2 Operational Data From WDI v3.2
  - ▶ B.4 Binding the DB2 Plan for Load Processing
  - ▶ B.5 Granting Permission on the DB2 Plan for Load
  - ▶ B.6 Loading the WDI v3.2 operational data into WDI v3.3
- Designed to be re-run, i.e. will REPLACE ALL existing records in v3.3

## Step 21: Migrating Operational Data (Lessons Learned)

- SQLCODE100 on step MIGTSEV in job EDIJMLOD. SYSPRINT shows:
  - Load starting for DB , table TSEV, file DD:MIGDSN
  - Deleting entries from table TSEV
  - Error inserting into table TSEV
  - SQL Error Code : 100

Resolution: Apply PTF UK42684 to 3.3 or, since the SQL 100 is a normal condition, it can be ignored.

## Chapter 3: Installing WDI for CICS

- CICS Transaction Server for z/OS Version 2.3 (5697-E93) or later is required
- Enabling Language Environment (LE) in CICS
  - ▶ Section “Installing CICS support for Language Environment” in the CICS Transaction Server for z/OS Installation Guide
- Enabling C++ in CICS
  - ▶ Section “Language Environment support for C and C++” in the CICS Transaction Server for z/OS Installation Guide
- CSD, DFHRPL, and I/O Stream considerations
  - ▶ Section “Preparing CICS for Use with z/OS Language Environment” in the z/OS C/C++ Programming Guide

## Chapter 3: Installing WDI for CICS (Cont'd)

- For XML translations and/or Error Notification, Java SDK 1.4 Service Level SR(6) or later is required
  - ▶ For XML, no need to install separate XML Toolkit – embedded XML4J parser is used
- Follow steps 23 – 37 to define various WDI elements to CICS
  - ▶ If migrating from prior WDI release, do not use pre-existing WDI definitions
  - ▶ Step 34 enables XML support under CICS (optional)
  - ▶ Step 35 enables Error Notification Support (optional)
    - Some activities may have already been performed if you already enabled XML support

## Problems Unrelated to Installation – z/OS

- SQLCODE991 when running EXEC PGM=EDIFFUT vs. PGM=IKJEFT01, i.e. using Call Attach Facility (CAF) instead of TSO attach.
  - ▶ Errors reported: Program failed attempting to initialize the Service Director. Job terminated. Return code = 4. Extended return code = 12. SQLcode is -991
  - ▶ DSNT408I SQLCODE = -991, ERROR: CALL ATTACH WAS UNABLE TO ESTABLISH AN IMPLICIT CONNECT OR OPEN TO DB2.  
Possible DB2 reason codes: 00F30006 or 00F30011
  - ▶ Resolution: Apply PTF UK38001 to 3.3, or add CAF(1) to EDITSIN dd.
- SQLCODE991 when running EXEC PGM=IKJEFT01 and EDITSIN also allocated.
  - ▶ Errors reported: Program failed attempting to initialize the Service Director. Job terminated. Return code = 4. Extended return code = 12. SQLcode is -991
  - ▶ DSNT408I SQLCODE = -991, ERROR: CALL ATTACH WAS UNABLE TO ESTABLISH AN IMPLICIT CONNECT OR OPEN TO DB2.  
Possible DB2 reason codes: 00F30006 or 00F30034
  - ▶ Resolution: Remove EDITSIN dd as it is not necessary when using IKJEFTxx TSO/DB2 attach programs, as this same info is provided in SYSTSIN, or
  - ▶ Add CAF(0) or CAF(N) to the existing record in dd EDITSIN, or
  - ▶ Apply PTF UK55250 to 3.3
    - Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability: <http://www.ibm.com/support/docview.wss?uid=swg1PM06549>

## Problems Unrelated to Installation – z/OS (cont'd)

- First invocation of WDI translator encounters:
  - ▶ DSNT408I SQLCODE = -189, ERROR: CCSID 65534 IS INVALID  
DSNT418I SQLSTATE = 22522 SQLSTATE RETURN CODE DSNT415I  
SQLERRP = DSNXRIHB
  - ▶ Resolution: Check EDIJBIND, as EDIENU33 plan requires parameter “ENCODING (UNICODE)”
- SEGMENTED(Y) keyword on PERFORM PRINT TRANSACTION not segmenting the EDI image
  - ▶ Resolution: Apply PTF UK50206
- Interchange Control Number and Date not output in PERFORM PRINT STATUS SUMMARY report
  - ▶ Resolution: Apply PTF UK54128
- New command PERFORM REMOVE SUBMISSION gives error: TS0110 Perform command is unknown.
  - ▶ Resolution: Documentation incorrect, i.e. SUBMISSION should be plural. Change to PERFORM REMOVE SUBMISSIONS
- Sporadic ABEND S0C4 in EDIELAS when WDI writing even log entries.
  - ▶ Resolution: Apply PTF UK44726 to 3.3

## Problems Unrelated to Installation – z/OS (cont'd)

- Document Store Reconstruct issues:
  - ▶ When reconstructing an individual interchange from document store, WDI returns all interchanges for the same Trading Partner.
    - Resolution: Apply PTF UK36088 to 3.3.
  - ▶ When QDATA data reference is New, Catalg, Catalg, WDI Client incorrectly stores value of Keep causing the file to be unreadable if SMS is not enabled.
    - Resolution: Apply WDI Client 3.3 fix pack 4 or above
  - ▶ Dynamic file creation may end with warning: FF0542 THE PERFORM RECONSTRUCT or PERFORM RECONSTRUCT AND SEND command processed unsuccessfully.
    - Resolution: Apply PTF UK46257 on 3.3
  - ▶ Dynamic file creation may result in errors:
    - Message: VN1007 Severity: 08 Unable to open file, FILENAME = QDATA. \*\*\*\*VN LOC=3000 CB\_RC=00008 CB\_EC=18180 VANIINB1\_RC=00008 VANIINB1\_EC=01007
    - Message: FF0603 Severity: 12 An error was returned on request to write an interchange. \*\*\*\*MODULE = EDI.TE52INT.CCC(EDIFF06), LINE = 552, SERVICE = COMM, FUNCTION = 110, CCB\_RC = 8, CCB\_ERC = 1007
    - Resolution: Problem due to duplicate dataset name. Clean-up old dynamic files.



## Problems Unrelated to Installation – z/OS (cont'd)

- Import of map usages only, i.e. map not included, encounters:  
EI0058 Mapping (Trading partner transaction) map name is not defined
  - ▶ Resolution: Apply PTF UK36367 to 3.3
  
- Various jobs may fail with system error: IEW4009I FETCH FAILED FOR MODULE DSNHDECP FROM DDNAME -LNKLST-
  - ▶ Resolution: Add DB2 loadlib SDSNEXIT to joblib or steplib. All WDI 3.3 sample JCLs were changed on PTF UK24715 to include both SDSNEXIT followed by SDSNLOAD.
  
- Opening XML schema may result in error: “10803 Fatal error during parsing of XML input file.” Problem due to hex'0d25' (cr/lf) and hex'05' (tab) characters within schema.
  - ▶ Resolution: Apply WDI 3.3 Client fix pack 7 or above

## Problems Unrelated to Installation – z/OS (cont'd)

- When using the translator API, ABEND S806 occurs with Reason Code=00000004 – module EDIZCNRT not found
  - ▶ Resolution: Apply PTF UK45087 to 3.3
  
- When using the translator API, ABEND S0C1 or S0C4 occurs in FXXZCBL
  - ▶ Cause: Problem only occurs when user API program is linked as RMODE(24) AMODE(24)
  - ▶ Resolution: Add the following parms to your Link edit JCL:
    - RMODE(ANY),AMODE(31)
  - ▶ Or, apply PTF UK55282 to 3.3
    - Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability:
    - <http://www.ibm.com/support/docview.wss?uid=swg1PM10090>

## Problems Unrelated to Installation – z/OS (cont'd)

- Data transformation for outbound Tradacoms (UN/TDI) transactions, WDI is erroneously adding the SCH segment at the beginning of the message
  - ▶ Resolution: apply PTF UK55282 to 3.3
  - ▶ Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability:
    - ▶ <http://www.ibm.com/support/docview.wss?uid=swg1PM07503>
  
- Data transformation for inbound Tradacoms (UN/TDI) transactions, infinite loop and Signal 11 may occur when multiple messages are being processed
  - ▶ Resolution: apply PTF UK54279 to 3.3
  - ▶ Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability:
    - ▶ <http://www.ibm.com/support/docview.wss?uid=swg1PM07292>

## Problems Unrelated to Installation – CICS

- If user task invokes EDIFFUT from the background, i.e. not from a terminal, WDI does not process the data. WDI is incorrectly interpreting startcode=S to mean it was started by the user API and no data was passed, hence ends right away
  - ▶ Resolution: Apply PTF UK35893 to 3.3
  
- After applying maintenance to WDI 3.3 for CICS, the following error occurs when running PERFORM TRANSLATE AND ENVELOPE
  - ▶ TR0840\*12\*Profile Services field retrieval failed. Profile type = E. Profile name = EDI96A. Desired field = UNB01. \*\*\*\*
  - ▶ Resolution: Apply PTF UK50043 to 3.3

## Problems Unrelated to Installation – CICS (cont'd)

- ABEND ASRA occurs in EDIDTUTL when running a particular XML to ADF DT map or transaction level response API program is not executed as specified in the map rule or ADF document destination
  - ▶ Resolution: Apply PTF UK53826 to 3.3
  - ▶ Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability:
    - ▶ <http://www.ibm.com/support/docview.wss?uid=swg1PM05185>
  
- WDI performance degrades due to memory leak when a user's application LINKs to EDIFFUT multiple times within a single CICS task
  - ▶ Resolution: Apply PTF UK55276 to 3.3
  - ▶ Note: as of 3/19, PTF not yet available. Follow this link to track PTF availability:
    - ▶ <http://www.ibm.com/support/docview.wss?uid=swg1PM08403>

# Summary

- Go to WDI support portal and search for known issues:

[http://www.ibm.com/support/entry/portal/Overview/Software/WebSphere/WebSphere\\_Data\\_Interchange](http://www.ibm.com/support/entry/portal/Overview/Software/WebSphere/WebSphere_Data_Interchange)

# Additional WebSphere Product Resources

- Learn about upcoming WebSphere Support Technical Exchange webcasts, and access previously recorded presentations at:  
[http://www.ibm.com/software/websphere/support/supp\\_tech.html](http://www.ibm.com/software/websphere/support/supp_tech.html)
- Discover the latest trends in WebSphere Technology and implementation, participate in technically-focused briefings, webcasts and podcasts at:  
<http://www.ibm.com/developerworks/websphere/community/>
- Join the Global WebSphere User Group Community:  
<http://www.websphere.org>
- Access key product show-me demos and tutorials by visiting IBM Education Assistant:  
<http://www.ibm.com/software/info/education/assistant>
- View a webcast replay with step-by-step instructions for using the Service Request (SR) tool for submitting problems electronically:  
<http://www.ibm.com/software/websphere/support/d2w.html>
- Sign up to receive weekly technical My Notifications emails:  
<http://www.ibm.com/software/support/einfo.html>

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**Please send your suggestions and comments to:**  
[wsehelp@us.ibm.com](mailto:wsehelp@us.ibm.com)



# Questions and Answers



# Acronyms

- APAR Authorized Program Analysis Report
- ADF Application Data Format
- API Application Programming Interface
- CCSID Coded Character set identification
- CICS/TS Transaction Server
- CLIST Command list under TSO
- CSD CICS System Definition File
- DDDEF SMP/E term for dataset definition
- DT Data Transformation
- DTD Document Type Definition
- HLQ High-Level Qualifier
- ISPF Interactive System Productivity
- LE Language Environment
- PTF Program Temporary Fix
- SDK Software Developer Kit
- SMP/E System Modification Program/Extended
- TSO Time-Sharing Option
- XML eXtensible Markup Language
- WDI WebSphere Data Interchange