IBM WebSphere® Data Interchange V3.3

Envelope Profiles - Use and Advantages

Agenda

- Describe envelope profiles

- Discuss default envelope profiles

- Associate envelope profiles to maps

- Understand the hierarchy of envelope attributes

- Learn differences in next release

- Summary

What is an envelope profile?

- An envelope profile is used to provide specific default values for envelope attributes that are not mapped or assigned a value elsewhere in the transformation process.

- The default values are constants.

- Envelope profiles are given a name and defined based on the standard: E, I, T, U, X.

What attributes are found in an envelope profile?

- Envelope profile attributes come from elements found in the envelope standard.

- For an X12 ISA, the attributes would be ISA01, ISA02, ISA03, etc.

- For an EDIFACT UNG, the attributes would be UNG01, UNG0201, UNG0202, etc.

Default Envelope Profiles

- A default envelope profile should be created within the appropriate envelope profile type for each EDI standard maintained in the system

- Default envelope profile names match the EDI standard IDs

- For example, the EDIFACT standard EDI96A should have a corresponding E Envelope profile named EDI96A

- With the release of 3.2, default envelope profiles were included in the standard import files

Associate Envelope Profiles to Maps

- You can also add profiles with names that do not match an EDI standard ID, and then use these names when creating Rules and Usages to override the default profile

- Envelope profiles are used by adding them to the Envelope Attributes tab of the Rules and Usages

- Select the Envelope Type and Profile Name

Example – Envelope Profile in Rule
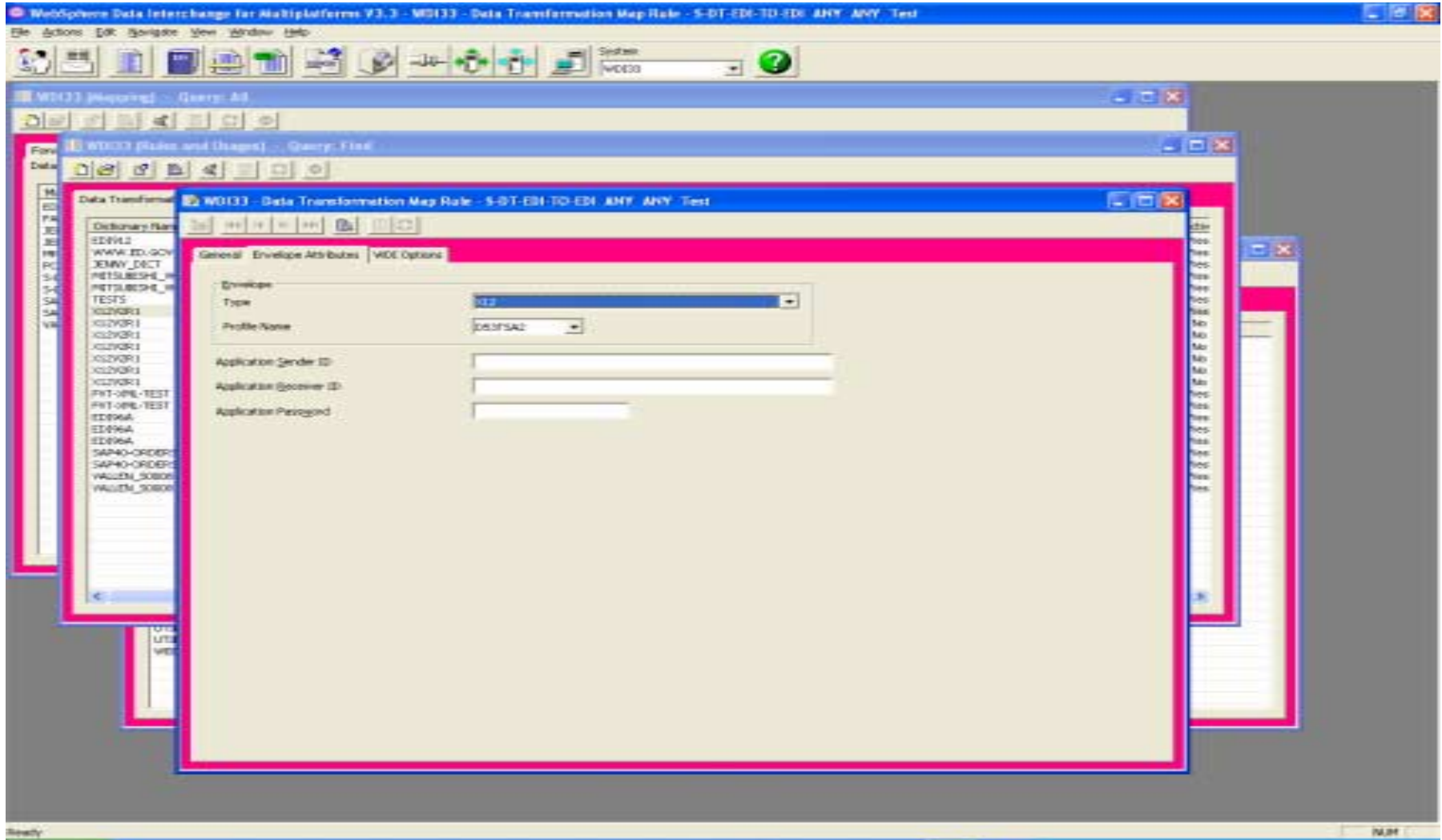
Hierarchy of Envelope Attributes

- When creating an envelope, WDI follows a hierarchy to determine what value to use for each attribute or element of the envelope

- The hierarchy (possible exceptions like GS08)
  - ▸ Special handling: date, time, count
  - ▸ Specific property value: ISA01, UNB0101, EG01
  - ▸ Generic property value: IchgSndrQl , IchgSndrId
  - ▸ Envelope profile

What's new?

- **More information about each field**
  - ▶ UNB0302 (Receiver ID Qualifier)

- **Named according to the EDI Standard**
  - ▶ UNG0202 rather than UNG03

- **New EDI standard envelope fields**

- **Includes only fields that WDI Server will use a value from**

New EDI Standard Envelope Fields

- ST03

- UNB0103, UNB0104, UNB0105

- UNB0204

- UNB0304

- UNH0206, UNH0207

- UNH0501, UNH0502, UNH0503, UNH0504

- UNH0601, UNH0602, UNH0603, UNH0604

- UNH0701, UNH0702, UNH0703, UNH0704

Fields No Longer Available – X12

- ISA09, GS04 (date)

- ISA10, GS05 (time)

- ISA13, GS06, ST02, SE02, GE02 , IEA02 (control number)

- ISA15 (usage indicator)

- ISA16 (subelement separator)

- ST01 (transaction set id)

- SE01, GE01, IEA01 (number of segments)

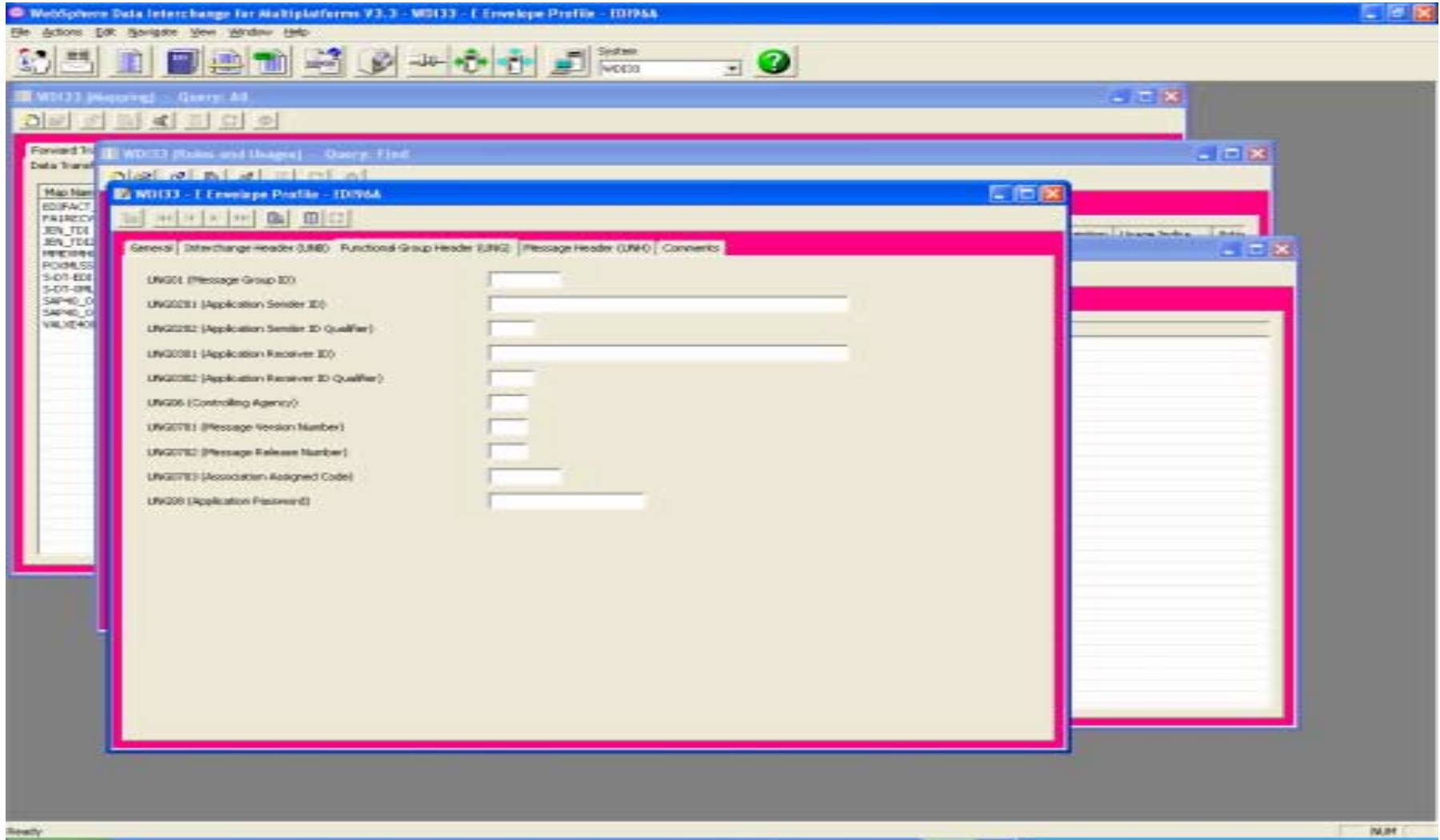# Example - X12 Envelope Profile Fields

Fields No Longer Available – EDIFACT

- UNB0401, UNG0401 (date)

- UNB0402, UNG0402 (time)

- UNB05, UNH01 (control number)

- UNB11 (test indicator)

- UNG05, UNT02, UNE02, UNZ02 (reference number)

- UNH0201 (message type)

- UNT01, UNE01, UNZ01 (number of segments)

Example - EDIFACT Envelope Profile Fields

Fields No Longer Available – UCS

- BG05, GS04 (date)

- BG06, GS05 (time)

- BG07, GS06, ST02, SE02, GE02, EG01 (control number)

- ST01 (transaction set id)

- SE01, GE01, EG02, EG03, EG04 (number of segments)

Example - UCS Envelope Profile Fields

Presentation Title   © 2007 IBM Corporation

Fields No Longer Available – UNTDI

- STX0401 (date)

- STX0402 (time)

- STX05 (control reference)

- MHD01 (message reference)

- MHD0201 (message type)

- MTR01, END01 (number of segments)

- MHD03, MHD0401, MHD0402 (not used)

Example - UNTDI Envelope Profile Fields
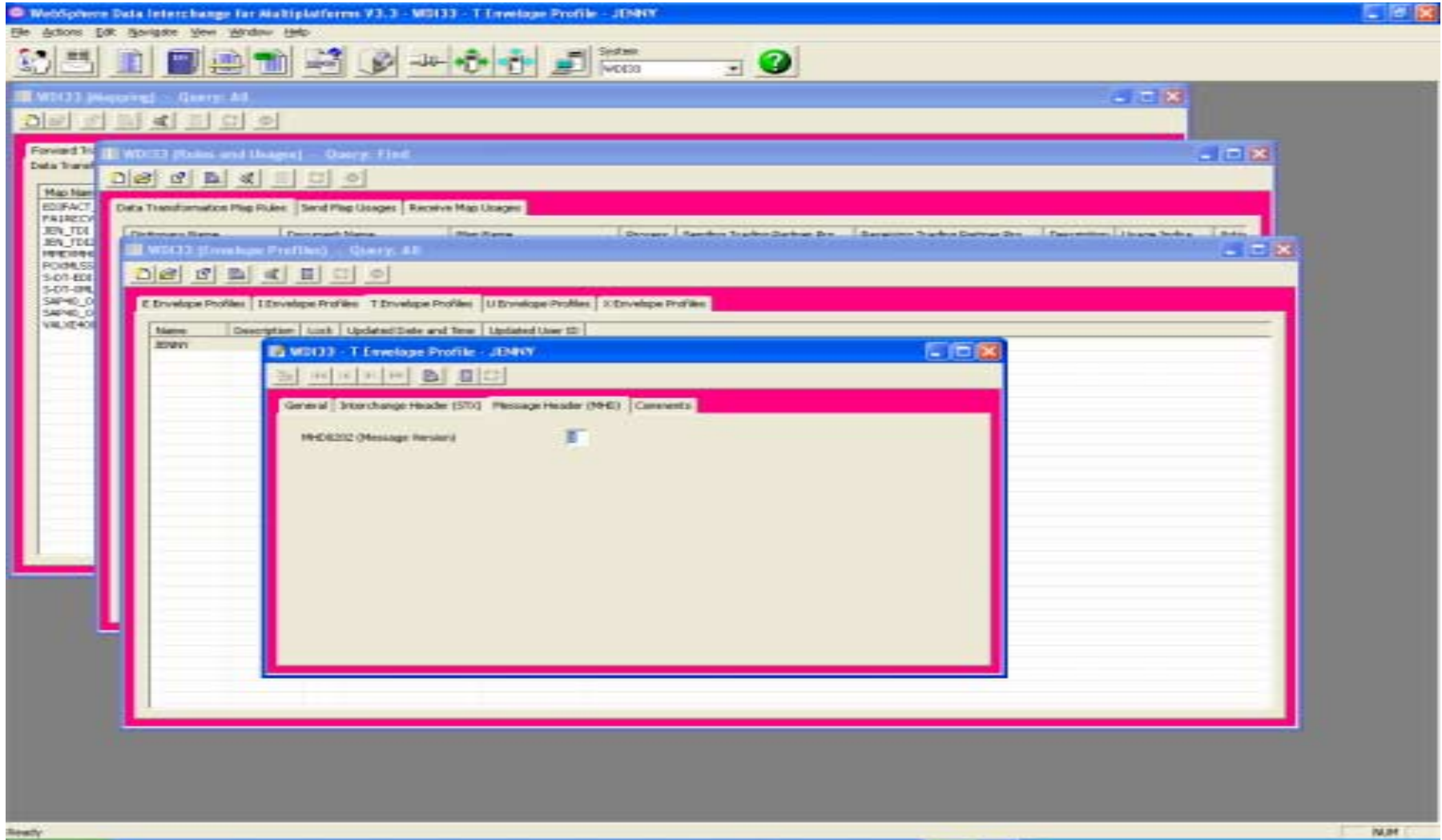
Summary

- Envelope profiles are used to provide default values for the envelope segments

- Default envelope profiles are provided with the EDI standard

- Different envelope profiles can be created and added to the Rules and Usages

- WDI follows a hierarchy to determine which value is used in the envelope

- Several new envelope fields were added in the new release

Trademarks, copyrights, and disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

IBM	CICS	IMS	WMQ	Tivoli
IBM(logo)	Cloudscape	Informix	OS/390	WebSphere
e(logo)business	DB2	iSeries	OS/400	xSeries
AIX	DB2 Universal Database	Lotus	pSeries	zSeries

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, ActionMedia, LANDesk, MMX, Pentium and ProShare are trademarks of Intel Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be trademarks or service marks of others.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) and/or program(s) described herein at any time without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual property rights, may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information.   IBM products are warranted, if at all, according to the terms and conditions of the agreements (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

Note to U.S. Government Users - Documentation related to restricted rights-Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract and IBM Corp.