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IBM WebSphere® Data Interchange V3.3

Using Document Properties
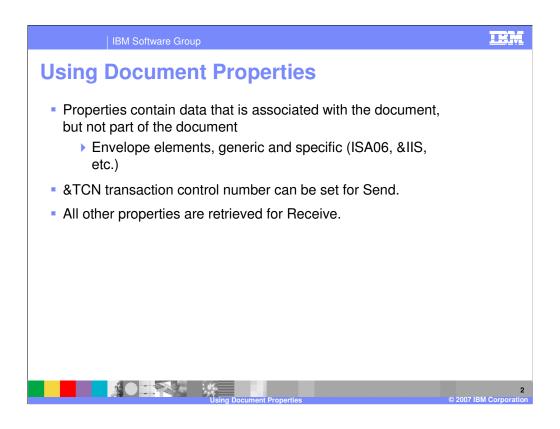
This presentation will review the document properties that can be used in a Send or Receive map.

Using Document Properties

- Properties contain data that is associated with the document, but not part of the document
  - ▸ Envelope elements, generic and specific (ISA06, &IIS, etc.)
- &TCN transaction control number can be set for Send.
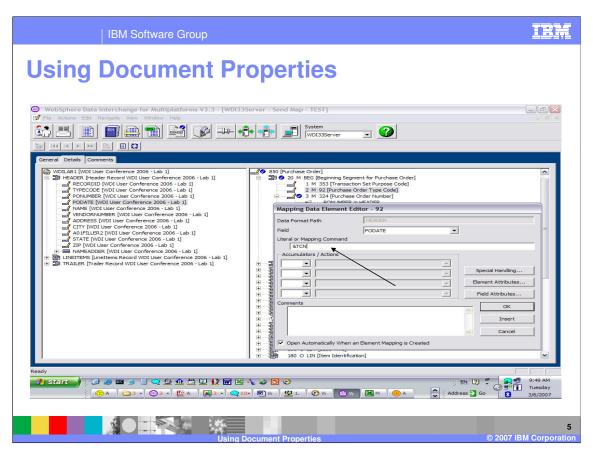- All other properties are retrieved for Receive.

Properties contain data that is associated with the document, but not part of the document. Examples of document properties are Electronic Data Interchange (EDI) standard Envelope elements. The only property available for the Send process is the transaction control number. All other properties can be retrieved for the receive process.

Section

Send Processing

3

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Using Document Properties

- Send mapping process
  - ▸ &TCN special literal can be used to indicate the application field which contains the message or transaction control number.
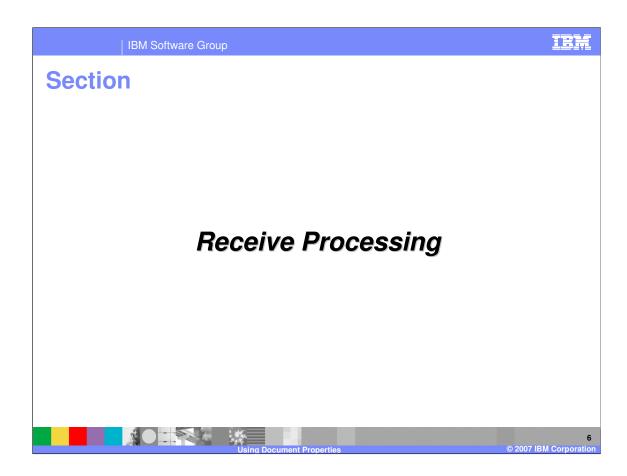
4

During the Send mapping process, the &TCN special literal can be used to indicate the application field which contains the message or transaction control number. Any field from a segment currently mapped can be chosen and either mapped or repeated, and the special literal &TCN used to identify the application field containing the control number.
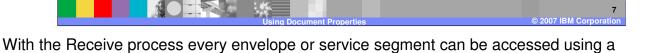
Using Document Properties

To set the transaction control number use the &TCN keyword on the Literal or Mapping Command line. Special handling, Translation tables, and validation tables can be used during &TCN mappings the same as they can be used in any other mapping.

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Section

Receive Processing
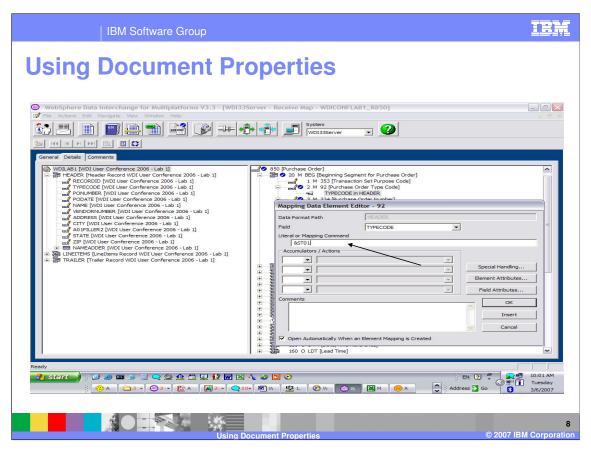
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Using Document Properties

- Specific EDI source document properties
  - All Service Segments available
  - Keyword names &Segment Id + nn where nn is the element number
  - &ST01 – Service Segment ST, element 1 – Transaction Set Id
- Generic EDI source document properties
  - Entire service segment can be mapped
  - &TTC – Transaction Set Id

7

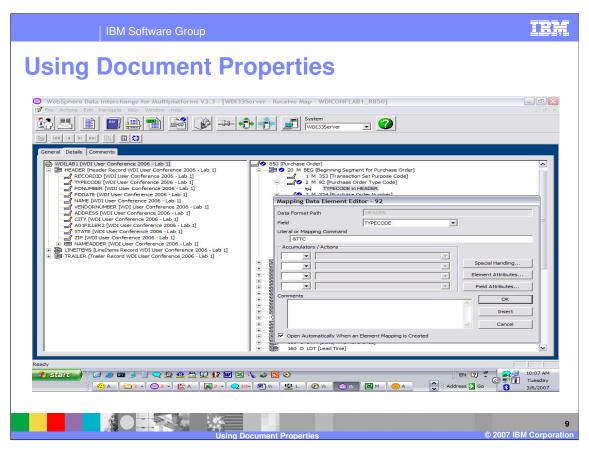With the Receive process every envelope or service segment can be accessed using a combination of the segment ID (ISA, UNB, STX, and so forth) concatenated with a 2-byte number indicating the field within the segment wanted. These are the Specific document properties. Generic document properties ar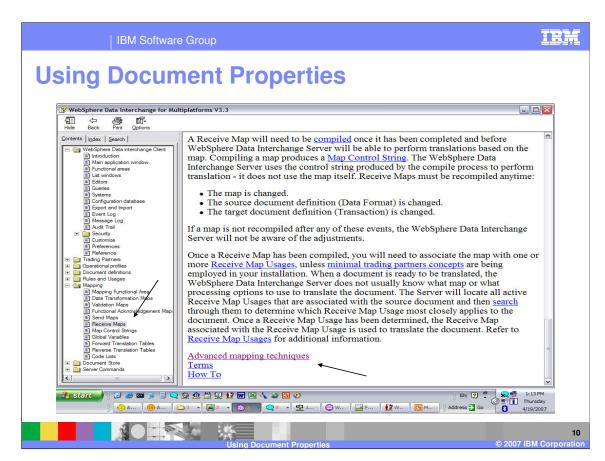e also available and include the ability to map the entire service segment up to the length of the target application field.
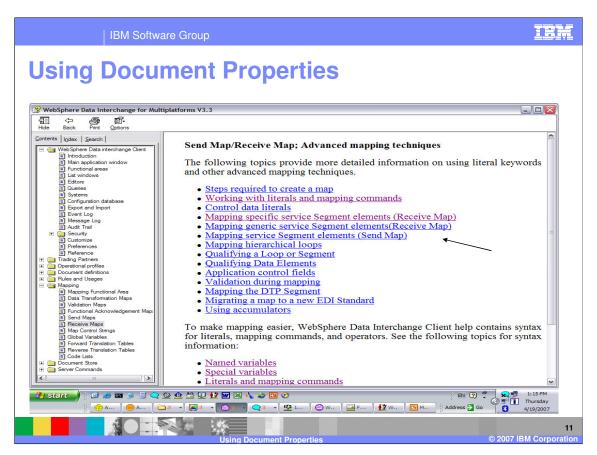
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To map, for example, the transaction set ID you can use the &ST01 keyword which is the specific property name. The keyword is entered on the Literal or Mapping Command line.
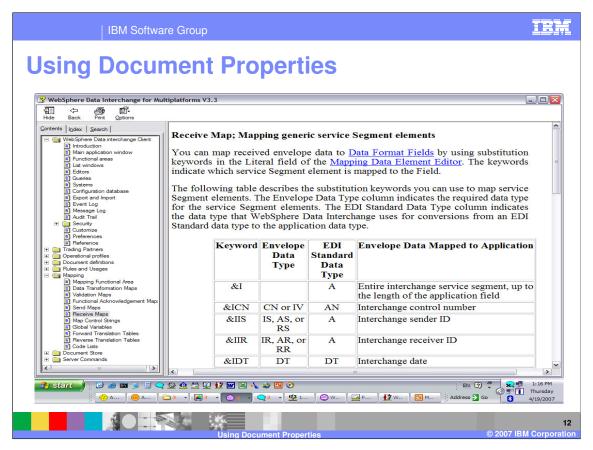
Using Document Properties

To map the transaction set ID using the generic keyword use &TTC. The keyword is entered on the Literal or Mapping Command line.
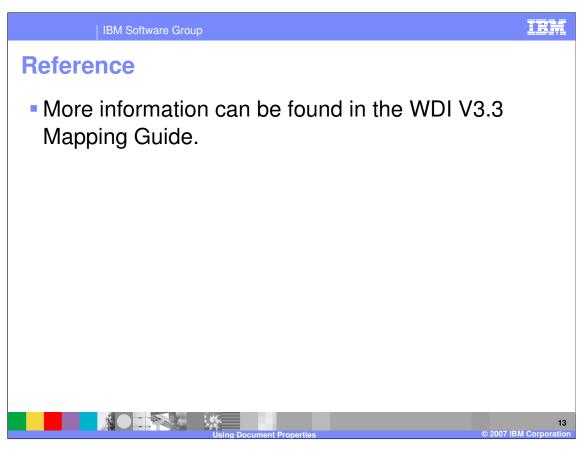
Using Document Properties

WebSphere Data Interchange Client help contains a list of the envelope or service segment values available under Advanced mapping techniques topic.

Using Document Properties

Send Map/Receive Map; Advanced mapping techniques

The following topics provide more detailed information on using literal keywords and other advanced mapping techniques.

- Steps required to create a map
- Working with literals and mapping commands
- Control data literals
- Mapping specific service Segment elements (Receive Map)
- Mapping generic service Segment elements(Receive Map)
- Mapping service Segment elements (Send Map)
- Mapping hierarchical loops
- Qualifying a Loop or Segment
- Qualifying Data Elements
- Application control fields
- Validation during mapping
- Mapping the DTP Segment
- Migrating a map to a new EDI Standard
- Using accumulators

To make mapping easier, WebSphere Data Interchange Client help contains syntax for literals, mapping commands, and operators. See the following topics for syntax information:

- Named variables
- Special variables
- Literals and mapping commands

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Both specific and generic service segment attributes can be found.

Using Document Properties

Hide   Back   Print   Options

Contents | Index | Search

- WebSphere Data interchange Client
  - Introduction
  - Main application window
  - Functional areas
  - List windows
  - Editors
  - Queries
  - Systems
  - Configuration database
  - Export and Import
  - Event Log
  - Message Log
  - Audit Trail
  - Security
  - Customize
  - Preferences
  - Reference
- Trading Partners
- Operational profiles
- Document definitions
- Rules and Usages
- Mapping
  - Mapping Functional Area
  - Data Transformation Maps
  - Validation Maps
  - Functional Acknowledgement Maps
  - Send Maps
  - Receive Maps
  - Map Control Strings
  - Global Variables
  - Forward Translation Tables
  - Reverse Translation Tables
  - Code Lists
- Document Store
- Server Commands

Receive Map; Mapping generic service Segment elements

You can map received envelope data to Data Format Fields by using substitution keywords in the Literal field of the Mapping Data Element Editor. The keywords indicate which service Segment element is mapped to the Field.

The following table describes the substitution keywords you can use to map service Segment elements. The Envelope Data Type column indicates the required data type for the service Segment elements. The EDI Standard Data Type column indicates the data type that WebSphere Data Interchange uses for conversions from an EDI Standard data type to the application data type.

Keyword	Envelope Data Type	EDI Standard Data Type	Envelope Data Mapped to Application
&I		A	Entire interchange service segment, up to the length of the application field
&ICN	CN or IV	AN	Interchange control number
&IIS	IS, AS, or RS	A	Interchange sender ID
&IIR	IR, AR, or RR	A	Interchange receiver ID
&IDT	DT	DT	Interchange date

This is a list of generic service segment keywords that can be used during mapping.

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Reference

▪ More information can be found in the WDI V3.3 Mapping Guide.

13

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More information can be found in the WebSphere Data Interchange Version 3.3 Mapping Guide.

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