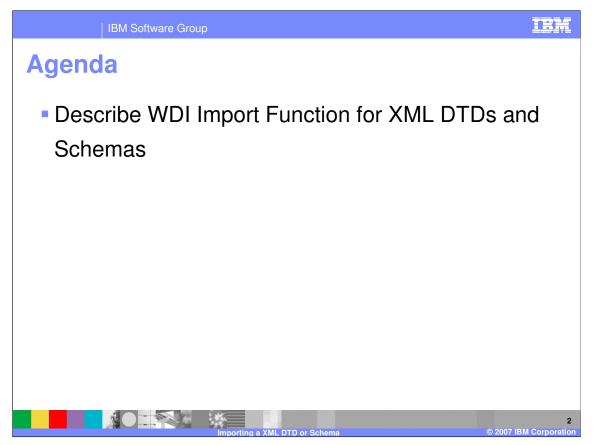
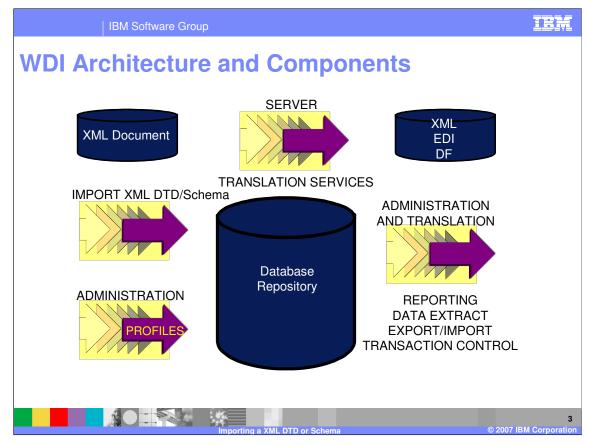


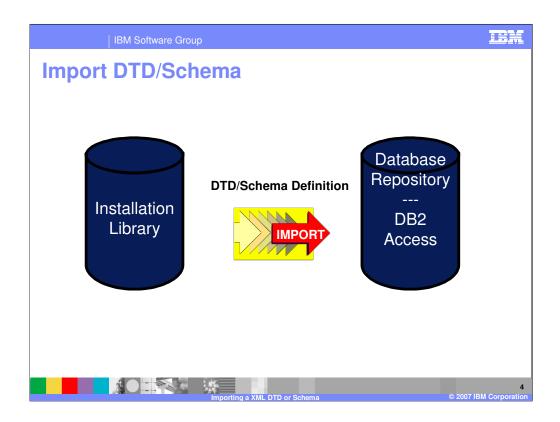
This presentation will describe the Import function for XML DTDs and Schemas.



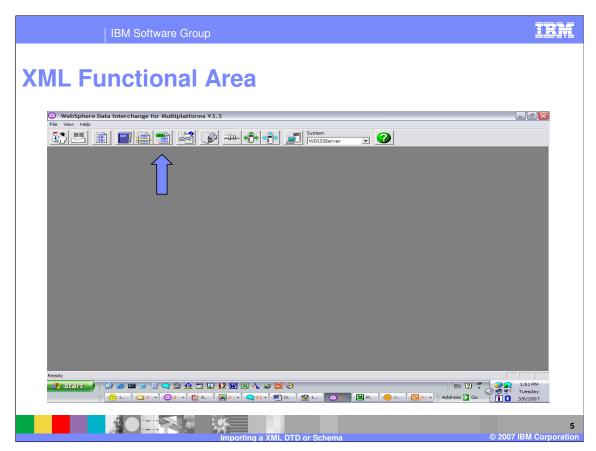
The presentation will describe the WebSphere Data Interchange (WDI) Import function for XML DTDs and Schemas.



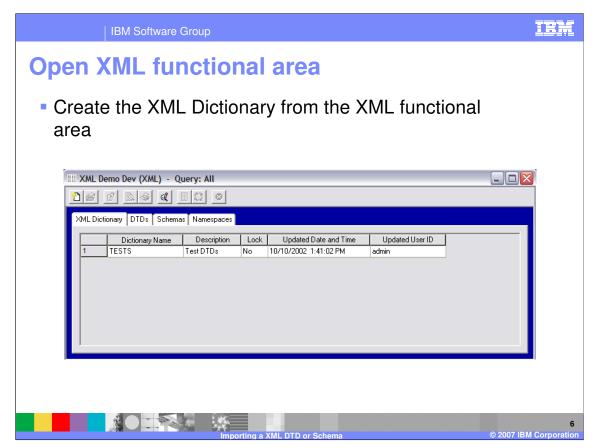
This diagram is an overview of the WDI Architecture and Components.



The Import function is used to move the DTD or Schema definition to the WDI database.



To begin the import process using WDI Client go to the XML Functional Area



Create the XML Dictionary from the XML functional area

	IBM Software Gro	pup	IBM
Create	the XML	dictionary	
► C		onary tab v XML Dictionary ctionary Name and Description	
	XML Demo Dev - XML Dicti		
		Importing a XML DTD or Schema	© 2007 IBM Corporation

On the XML Dictionary tab, create a new XML Dictionary and complete the Dictionary Name and optional Description.

	IBM Softwa	are Group			IBM
XML	diction	ary crea	ted		
		-	/ now appear	rs in the list	
III XML	Demo Dev (XML) - 0	Query: All			
2	f 2 4	E 22 0			
XML D	ictionary DTDs Schem	as Namespaces			
	Dictionary Name	Description Loci	Updated Date and Time	Updated User ID	
1	TESTS	Test DTDs No	10/10/2002 1:41:02 PM	admin	
2	XMLDEMO	Dictionary for XML No	9/14/2005 11:38:35 AM	admin	
		Importin	q a XML DTD or Schema		8 © 2007 IBM Corporation

The new XML Dictionary now appears in the list.

IBM Software Group	IBM
WDI Architecture and Components	
WebSphere Data Interchange for Multiplatforms V3.3	- 7 🔀
File View Help Open Functional Area	
Open Import File Ctrl+Q	
Open System	
Close System Exit	
Open import file	
openingstrate 	5:03 PM
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	9 © 2007 IBM Corporation

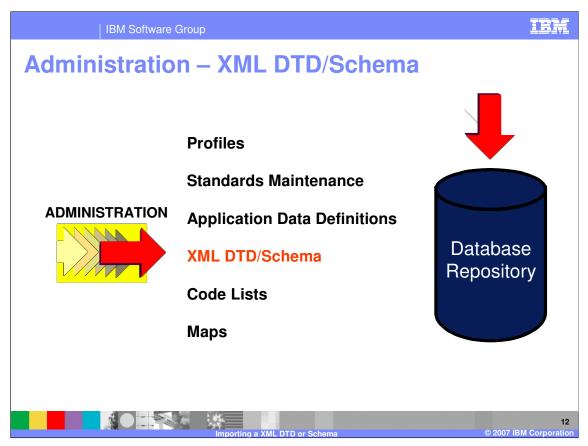
To begin the import process using WDI Client go to File, Open Import File.

IBM Software Group
Import DTD/Schema
WebSphere Data Interchange for Multiplatforms V3.3  File View Heb
10 Importing a YML DTD or Schema

The Import function defaults to files with type .eif. XML DTDs and Schemas may be selected from the "Files of Type" drop down.

IBM Software Group	IBM
Import DTD/Schema	
WebSphere Data Interchange for Multiplatforms V3.3 File: View Heb	
🕼 🗏 📄 🕋 📸 😰 斗 🚓 👘 🗾 System 🔽 🕐	
🕲 Import XML DTD	
DTD Name X12_A1_270 Import	
Dictionary Name Cancel	
Root Element	
Ready	
	11
Importing a XML DTD or Schema © 2	2007 IBM Corporation

A WDI XML Dictionary must be specified. Although the Root Element is required for viewing and mapping, this can be modified using administrative function in the WDI Client, XML functional area.



When the import is finished the XML DTD or Schema definition is in the WDI database repository.

	BM Software	Group							IBM
Import I	DTD/S	chem	a						
WebSphere Data Inte File Actions View Window	Help			_) - Query		0	1		_ 7 🗙
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1								-	
Diction FVT-XN TESTS	nary Name N ML-TEST C	Namespaces	Root Element Order OrderSR Z2SDINVO	Description Order wi xml from	No No		awinters awinters		
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		Impor	ting a XML	DTD or S	Sche	ma		© 200	13 7 IBM Corporation

You can open the DTD or Schema that was imported.

IBM Software Group	IBM
Import DTD/Schema	
WebSphere Data Interchange for Multiplatforms V3.3 - WDI33Server - DTD - TESTS POXML5SR	_ 0 🔀
File Actions Edit Navigate View Window Help	
🕼 🖳 📄 💼 💼 🗳 👔 🧈 👘 👘 🗾 System 🔽 🕜	
📝 WDI33Server - DTD - TESTS POXML5SR	
General View Overview Comments	
DTD Name POXMLSSR	
HE WDI33Server (XML) - Dictionary Name TESTS	
Description         Order with Sender/Receiver	
XML Dictionary DTDs Sch Root Element OrderSR	
Internal Trading Partner ID	
Pictonary Name Pr7 XN4.75ET Sender	
TESTS Qualifier Element (VorderSR V/eader/Sender/Qualifier/)	
ID Element // OrderSR /Header \Sender \Ud \\	
Translation Table	
Regelver Qualifier Element \OrderSR\Header\Receiver\Qualifier\\	
Translation Table	
Document Split Header Element	
Message Element	
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Traler Element	
	5:18 PM
	Wednesday
🤌 1 🔘 A. 🗀 3 🛪 🖄 1 🔍 7 🗸 🌉 2 🖄 2 🥸 2 🦉 W. 🗑 W. 🔞 V. 🦉 2 🦉 Address 🖢 Go 👋 👸	2/21/2007
Importing a XML DTD or Schema © 2007 IB	14 M Corporation

The general tab hold information most commonly updated.

**Root element name** (required) - The XML element name for the root element. The root element is an element that completely contains all other elements of the document. The maximum length is 64 characters.

Sender Qualifier element (optional) - The XML element name, attribute, or path that defines the sender qualifier for the standard.

Sender ID element (optional) - The XML element name, attribute, or path that defines the sender ID for the standard. Translation Table (optional) - If a Sender translation Table is specified, the values from the sender's qualifier element and sender's ID element together with a dot (".") between them. This will be used as a lookup value for the translation table to determine a Trading Partner Profile.

Receiver Qualifier element (optional) - The XML element name, attribute, or path that defines the receiver qualifier for the standard.

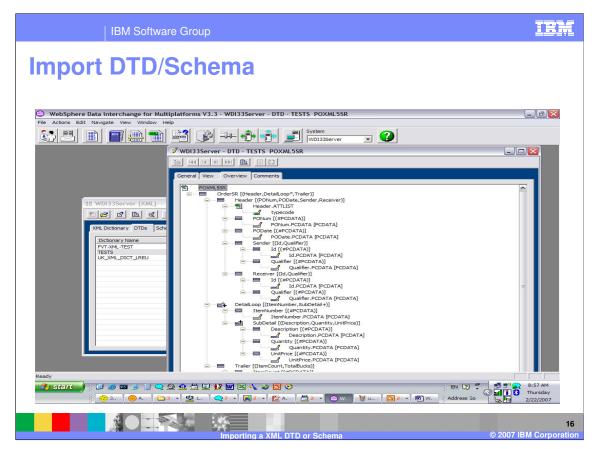
**Receiver ID element** (optional) - The XML element name, attribute, or path that defines the receiver ID for the standard.

**Translation Table** (optional) - If a Receiver translation Table is specified, the values from the receiver's qualifier element and receiver's ID element together with a dot (".") between them. This will be used as a lookup value for the translation table to determine a Trading Partner Profile.

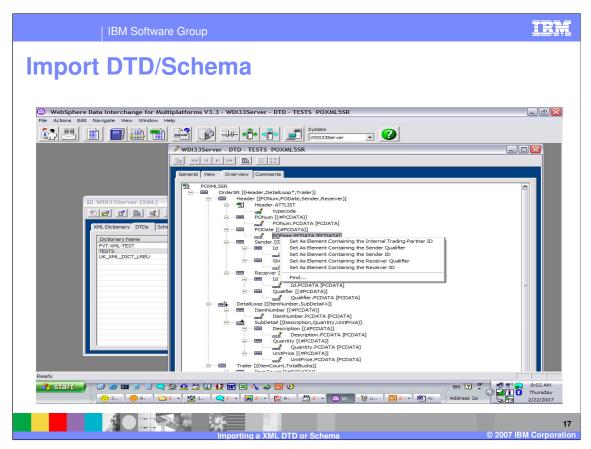
**Document Split** (optional) - XML document split will take a single XML source document and create multiple XML source documents to be translated using the WebSphere Data Interchange Server.

IBM Software 0	Group	IBN
Import DTD/S	chema	
WebSphere Data Interchange for Multiplat File Actions Edit Navigate View Window Help		- DTD - TESTS POXML5SR
	WDI3Server - DTD - TESTS	
Ready → Start ) ( C → M → C ← 2 ↔ 4 ( • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	Carl Thursday
		KML DTD or Schema © 2007 IBM Corporat

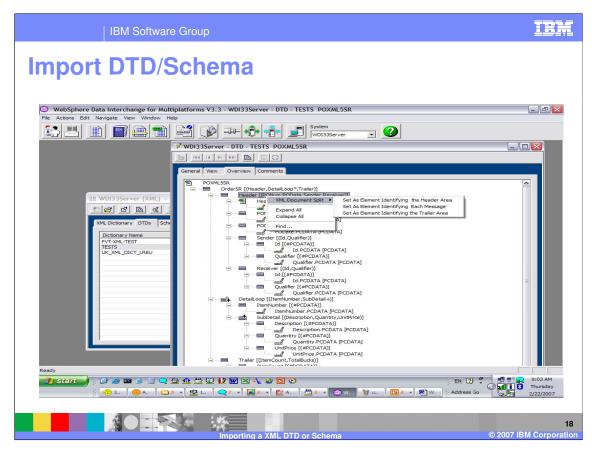
The Overview Tab will display the XML DTD or Schema in a tree representation.



The tree representation is also displayed in the WDI Client mapping functional area when using XML as the source or target message type.



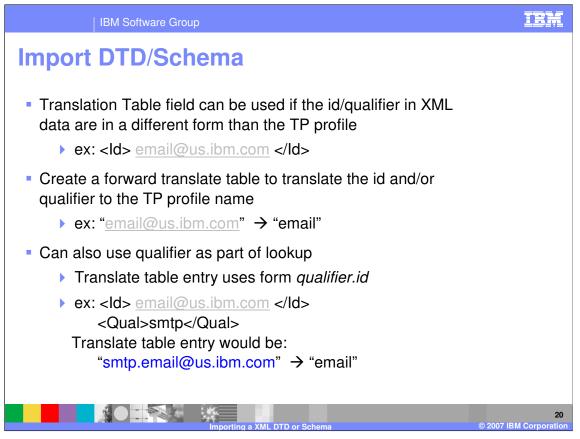
Various commands are supplied for identifying optional values supplied on the general tab. These commands will set the Trading partner information values.



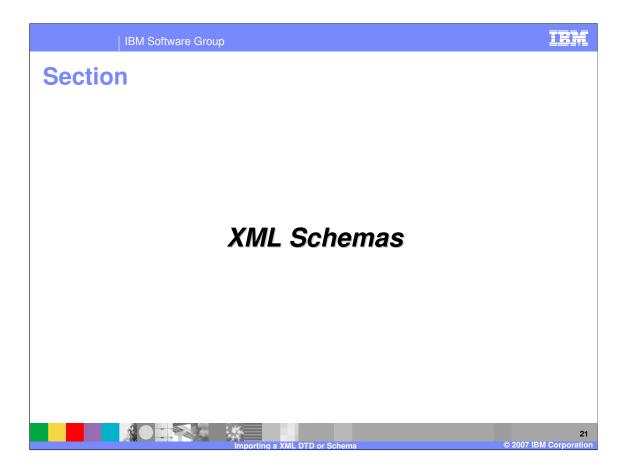
These commands will setup the values to be used with the XML Split feature.

Pie Actions Edit Navigate View Window         Image: State of the	Itiplatforms V3.3 - [WDI33Server - DTD - TESTS POXML5SR]         W Help         Image: System         WDI33Server         WDI33Server	
File Actions Edit Navigate View Window File Actions Edit Navigate View Window File	w Heb	
Image: Constraint of the second se	System WDI33Server V ath Sender/Receiver	
Image: Second	I DE IN THE INTERNET IN INCLUSION IN THE INFORMATION INTERVENCE. INTERVENCE I	1
General         View         Overview         Comments           DTD Name         POXMLSS           Dictionary Name         TESTS           Dgscription         Drider wit           Boot Element         OrderSR           Internal Trading Partner ID         Sender           Qualifier Element         VorderSR           ID Element         VorderSR           ID Element         VorderSR           Translation Table         Translation	Ith Sender/Receiver	
DTD Name         POXMLSS           Dictionary Name         TESTS           Dgscription         Drider with           Boot Element         OrderSR           Internal Trading Partner ID         Sender           Qualifier Element         VorderSR           ID Element         VorderSR           ID Element         VorderSR           ID Element         VorderSR           Translation Table         Translation Table	Ith Sender/Receiver	
DTD Name         POXMLSS           Dictionary Name         TESTS           Dgscription         Drider with           Boot Element         OrderSR           Internal Trading Partner ID         Sender           Qualifier Element         VorderSR           ID Element         VorderSR           ID Element         VorderSR           ID Element         VorderSR           Translation Table         Translation Table	Ith Sender/Receiver	
Dictionary Name TESTS Description Drider wit Boot Element OrderSR Internal Trading Partner ID Sender Qualifier Element VorderSR ID Element VorderSR Translation Table	Ith Sender/Receiver	
Description [brider wit Boot Element OrderSR Internal Trading Partner ID Sender Qualifier Element VorderSR ID Element VorderSR Translation Table	ith Sender/Receiver	
Boot Element         OrderSR           Internal Trading Partner ID		
Internal Trading Partner ID Sender Qualifier Element ID Element VorderSR Translation Table	2	
Sender Qualifier Element VorderSR ID Element VorderSR Translation Table		
Qualifier Element VorderSR ID Element VorderSR Translation Table		
ID Element VorderSR Translation Table		
Translation Table	R \Header\Sender \Qualifier \\	
	R \Header \Sender \Id \\	
Receiver		
	R\Header\Receiver\Qualifier\\	
	R/Header/Receiver/Id/\	
	k header keceiver ha //	
Translation Table		
Document Split		
Header Element		
Message Element		
- Trailer		
Trailer Element		
Element Terminator Indicates Start of Tr	Trailer Section	-
Ready		
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The Translation Table field can be used if the trading partner id/qualifier in XML source data are in a different form than the Trading Partner profile.



You can create a forward translate table to translate the trading partner Identification from the source data to a Trading Partner Profile. For example smtp.email@us.ibm.com can translate to a profile member email.

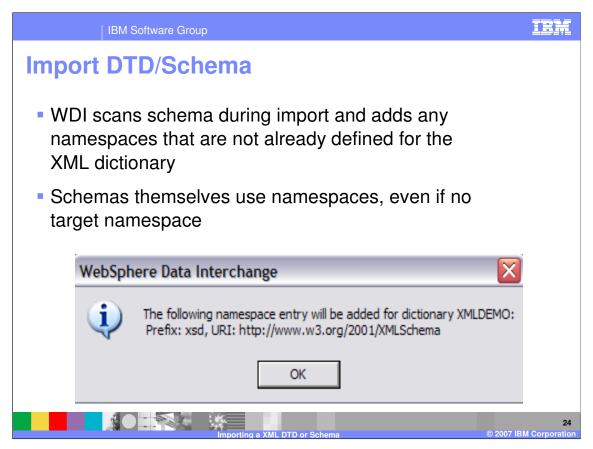


IBM Software Group	IBM
Import the schema	
Select Import File	
Look in: 🗀 examples 💽 🗢 🖻 📸 📰 -	
<pre>common.xsd example2.xsd example3.xsd</pre>	
File name: example2.xsd Open	
Files of type: XML Schema File (*.xsd)	22 © 2007 IBM Corporation

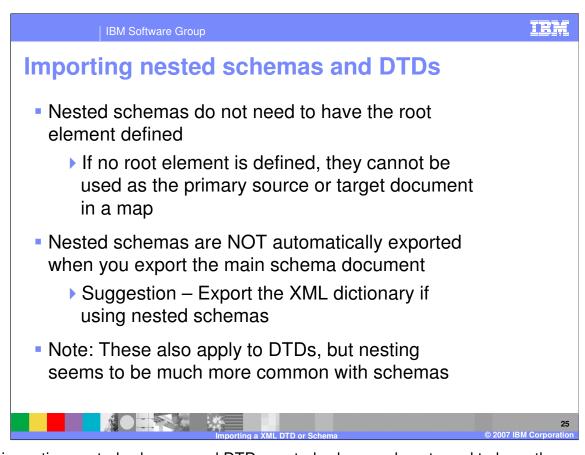
Importing the schema is similar to importing a DTD.

IBM Software	Group	IBM
Import DTD/S	chema	
Select dict	ame already filled in	
Specify root	ot element	
Import XML Schema		
Schema Name Dictionary Name Description	EXAMPLE2           XMLDEMO           Schema for XML demo - example 2	Import Cancel
Root Element	OrderSR	
	Importing a XML DTD or Schema	23 © 2007 IBM Corporation

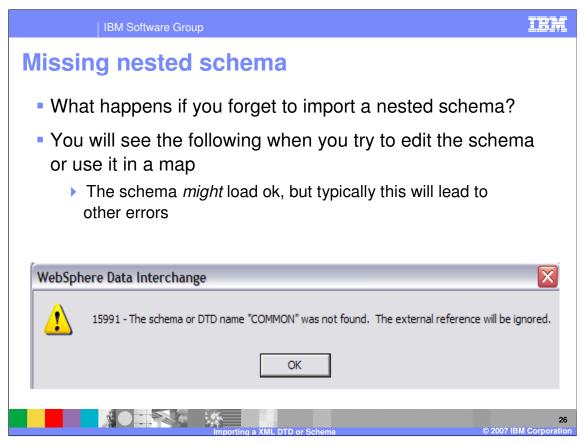
Select the dictionary name, add a description, and specify the root element.



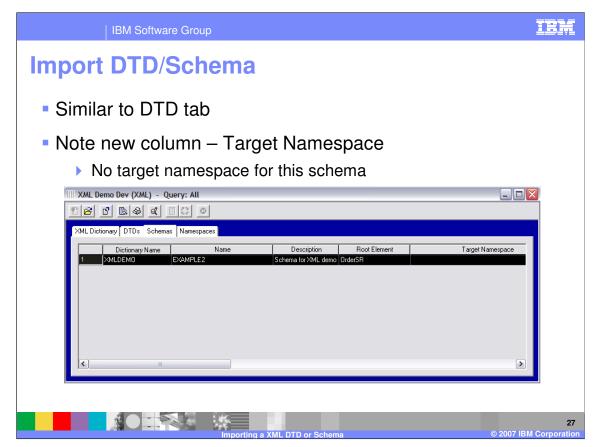
WDI scans schema during import and adds any namespaces that are not already defined for the XML dictionary. Schemas themselves use namespaces, even if no target namespace



When importing nested schemas and DTDs nested schemas do not need to have the root element defined. If no root element is defined, they cannot be used as the primary source or target document in a map. Nested schemas are NOT automatically exported when you export the main schema document. It is suggested that you export the XML dictionary if you are using nested schemas. Note also this also applies to DTDs, but nesting seems to be much more common with schemas.



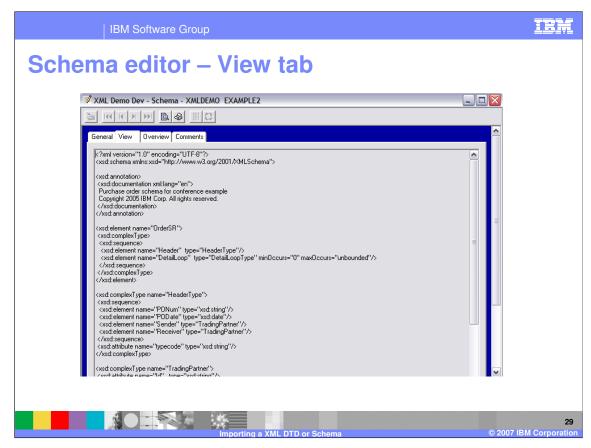
If you forget to import a nested schema, the schema might load ok but this will lead to other errors.



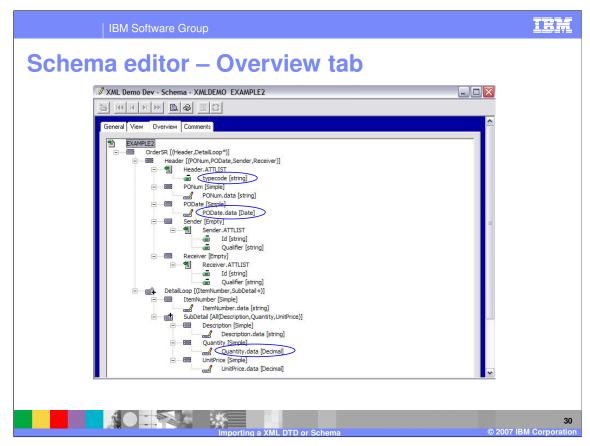
You can view the Schema definition by moving to the Schemas tab in the XML functional area. This is similar to the DTD tab but has the target namespace column.

IBM Software Gro	pup	IBM
Import DTD/Sc	hema	
XML Demo Dev - Schem		
General View Overview	Comments	
Schema <u>N</u> ame	EXAMPLE2	
Dictionary Name	XMLDEMO	
Description	Schema for XML demo - example 2	
<u>B</u> oot Element	OrderSR	
<u>I</u> arget Namespace		
Sender Qualifier Element		
ID Element		
Translation Table		
Receiver		
Qualifier Element		
ID Element		
Translation Table		
Document Split Header Element		
Message Element		
	Importing a XML DTD or Schema © 24	28 007 IBM Corporation

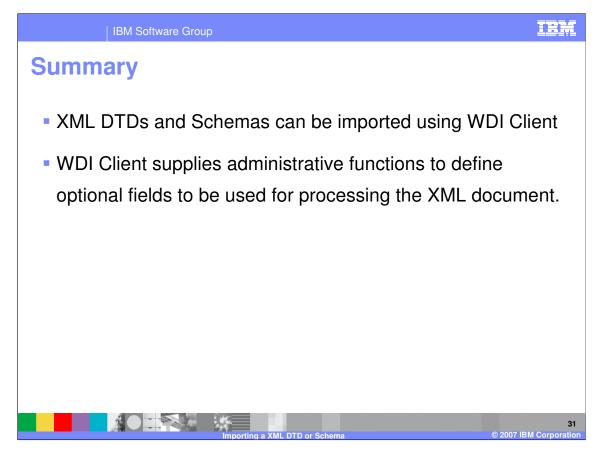
Opening the Schema and moving to the General tab, the optional fields look very similar to the DTD General Tab. With XML Schemas, the target namespace field is available. This is an optional field. The target namespace tells which namespace a schema describes. It is identified in the schema by the target Namespace attribute. When a schema is imported, the schema is scanned for a target Namespace attribute. If this attribute is found, the target namespace for the schema is set from the attribute value



This is a View of the Schema.



The Overview Tab shows the tree representation of the Schema definition.



XML DTDs and Schemas can be imported using WDI Client. WDI Client supplies administrative functions to define optional fields to be used for processing the XML document.

