



| IBM Software Group

IBM WebSphere Partner Gateway V6.1

Document definition attributes



@business on demand.

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This presentation provides an overview of some new Document definition attributes.

Section

Non-repudiation attribute

The next section provides details on the new Non-repudiation attribute.

Non-repudiation before V6.1

- Non-repudiation defined in the bcg.properties file.
- Entering WebSphere Partner Gateway
 - ▶ Applies to all source documents.
 - ▶ Use property bcg.nonrep.inbound-doc
 - ▶ Data acquisition engine (DAE) logs the document and business processing engine (BPE) fixed inbound workflow logs the certificates.
- Leaving WebSphere Partner Gateway
 - ▶ Applies to all target documents.
 - ▶ Use property bcg.nonrep.outbound-doc
 - ▶ BPE fixed outbound workflow logs the document and certificates.

This slide provides an overview of how non-repudiation worked in versions before V6.1. Non-repudiation is defined in the bcg.properties file. All the documents that are entering the WebSphere Partner Gateway are called the source documents. You can use the property bcg.nonrep.inbound-doc for setting the non-repudiation for all the source documents. Logging for non-repudiation of incoming documents takes place in two places. The Data Acquisition Engine (DAE) logs the document and the Business Processing Engine (BPE) logs the certificates related to the document in the fixed inbound workflow step. The documents leaving the WebSphere Partner Gateway are referred to as target documents. You can use the property bcg.nonrep.outbound-doc for setting the non-repudiation for all the target documents. The Business Processing Engine (BPE) logs the documents and certificates related to the document in the fixed outbound workflow step.

Non-repudiation in V6.1

- A new non-repudiation attribute configured on the document definition at the package level.
- Can be overridden at:
 - ▶ sub-levels, such as protocol or document type
 - ▶ a partners business-to-business capabilities
 - ▶ a partner connection
- Document flow context determines if the value applies to the source or the target document
- Source document logging entirely performed in the business processing engine (BPE) fixed inbound workflow. Document acquisition engine (DAE) is no longer used.
- Target document logging still takes place at the end of the BPE fixed outbound workflow



Non-repudiation in WebSphere Partner Gateway V6.1 is now defined with a new attribute allowing a great deal of flexibility in which documents are non-repudiated. Non-repudiation can be controlled by the source or target document, by partner, by document type, or any combination. Non-repudiation is an attribute configured on the Document Definition at the Package level. This attribute value can be overridden at sub-levels, such as Protocol or Document Type, at a partners business-to-business capabilities and at a partner connection. The document flow context will determine if the value applies to the source or the target document. Source document logging is entirely performed in the Business Processing Engine (BPE) fixed inbound workflow. The Document Acquisition Engine (DAE) is no longer used. Target document logging still takes place at the end of the BPE fixed outbound workflow.

Non-repudiation example

Document Definition Context Attributes

General Ack Signature Encryption Compression

Attribute	Description	Current Value	Inheritance	Update
Time To Acknowledge in min	Time to Acknowledge a document request before resubmitting the request.	30	Locally Assigned	<input type="text" value="30"/>
Retry Count	Number of times to resubmit document requests that have not received acknowledgements.	3	Locally Assigned	<input type="text" value="3"/>
Non-Repudiation Required	Indicates if Non-Repudiation storage is required.	Yes	Locally Assigned	<input type="text" value="Yes"/>
AS Business Id	AS Business Id to use in the AS Headers.	No value provided	No value provided	There are no business ids : partner

Document definition attributes © 2007 IBM Corporation 7

This slide shows the screen capture of the community console where you can set the Non-repudiation Required attribute.

Section

User defined attributes



This section covers the new user defined attributes.

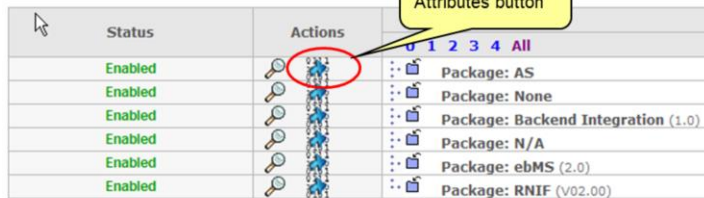
User defined attributes



















- Can define handler attributes on the user exit configuration that is global to where the user exit is configured to be used
- Ten new user defined attributes provide additional configuration information to user exits that can be varied by the partner or document
- They are not tied to a specific user exit handler definition
- New attributes configured on the document definition can be overridden at:
 - ▶ sub-levels, such as protocol or document type
 - ▶ a partners business-to-business capabilities
 - ▶ a partner connection
- Attribute values are available after the business processing engine (BPE) fixed inbound workflow
 - ▶ Obtained from the partner connection look up step

There are user exit handler attributes that can be configured where ever the user exit is configured to be used. For example, on a destination definition or in an action. User defined attributes are defined on the document definitions and are not tied to any specific user exit handler. The administrator has to know what user exit handler they will be used with because they are defined at the Document Definition level and have the full inheritance of any other document definition attributes. The partner connection to use is determined in the document manager Business Processing Engine (BPE) fixed inbound workflow. The attribute values will not be known until that time.

User defined attribute example – To add

Manage Document Definitions



Status	Actions	
Enabled	  	0 1 2 3 4 All Package: AS
Enabled	  	Package: None
Enabled	  	Package: Backend Integration (1.0)
Enabled	  	Package: N/A
Enabled	  	Package: ebMS (2.0)
Enabled	  	Package: RNIF (V02.00)

Before a user defined attribute can be used, the attribute must be added to the Document Definition that you want to use it with. The next couple of slides show the steps needed to add user defined attributes and configure values for the attributes.

User defined attribute example - before

Document Definition Context Attributes

Welcome, Hub Admin

[Add attributes](#)

Attribute	Description	Current Value	Inheritance	Update	Rese
Time To Acknowledge in min	Time to Acknowledge a document request before resubmitting the request.	30	Locally Assigned	<input type="text" value="30"/>	<input type="checkbox"/>
Retry Count	Number of times to resubmit document requests that have not received acknowledgements.	3	Locally Assigned	<input type="text" value="3"/>	<input type="checkbox"/>
Non-Repudiation Required	Indicates if Non-Repudiation storage is required.	Yes	Locally Assigned	<input type="text" value="Yes"/>	<input type="checkbox"/>
AS Business Id	AS Business Id to use in the AS Headers.	No value provided	No value provided	There are no business ids associated to this partner	

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This screen capture demonstrates the ability to click on the Add attributes link.

User defined attribute example – adding

<input type="checkbox"/>	PIP Payload Binding Identifier	Unique Id between the trading partners, when
<input checked="" type="checkbox"/>	User Attribute 1	For use in User defined exits.
<input type="checkbox"/>	User Attribute 2	For use in User defined exits.
<input checked="" type="checkbox"/>	User Attribute 3	For use in User defined exits.
<input type="checkbox"/>	User Attribute 4	For use in User defined exits.
<input type="checkbox"/>	User Attribute 5	For use in User defined exits.
<input type="checkbox"/>	User Attribute 6	For use in User defined exits.
<input type="checkbox"/>	User Attribute 7	For use in User defined exits.
<input type="checkbox"/>	User Attribute 8	For use in User defined exits.
<input type="checkbox"/>	User Attribute 9	For use in User defined exits.
<input type="checkbox"/>	User Attribute 10	For use in User defined exits.
<input type="checkbox"/>	FromGlobalPartnerClassificationCode	Code identifying a partner's function in the sup

Select the User Attributes that you want to use. There are up to ten predefined attributes to select from.

User defined attribute example - after

Document Definition Context Attributes

Welcome, Hub Administr

[Add attributes](#)

General	Ack	Signature	Encryption	Compression				
Attribute	Description			Current Value	Inheritance	Update	Reset	
Time To Acknowledge in min	Time to Acknowledge a document request before resubmitting the request.			30	Locally Assigned	<input type="text" value="30"/>		<input type="checkbox"/>
Retry Count	Number of times to resubmit document requests that have not received acknowledgements.			3	Locally Assigned	<input type="text" value="3"/>		<input type="checkbox"/>
Non-Repudiation Required	Indicates if Non-Repudiation storage is required.			Yes	Locally Assigned	<input type="text" value="Yes"/>		<input type="checkbox"/>
AS Business Id	AS Business Id to use in the AS Headers.			No value provided	No value provided	There are no business ids associated to this partner		
User Attribute 1	For use in User defined exits.			No value provided	No value provided	<input type="text"/>		
User Attribute 3	For use in User defined exits.			No value provided	No value provided	<input type="text"/>		

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Document definition attributes

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The values can be any text and is up to the user exit implementation. They can be configured at the document definition, partners business-to-business capabilities or partner connection.

User defined attribute example – User exit code

In the User exit public process(Context ctx, BusinessDocumentInterface bdo) method

```
// Getting the Source document attributes
String FR = BCGDocumentConstants.BCG_TPA_PREFIX_FROM;
String userfield1 = (String)bdo.getAttribute(FR + "bcg.ro.user.User01");
String userfield2 = (String)bdo.getAttribute(FR + "bcg.ro.user.User02");
String userfield3 = (String)bdo.getAttribute(FR + "bcg.ro.user.User03");
String userfield4 = (String)bdo.getAttribute(FR + "bcg.ro.user.User04");
String userfield5 = (String)bdo.getAttribute(FR + "bcg.ro.user.User05");
String userfield6 = (String)bdo.getAttribute(FR + "bcg.ro.user.User06");
String userfield7 = (String)bdo.getAttribute(FR + "bcg.ro.user.User07");
String userfield8 = (String)bdo.getAttribute(FR + "bcg.ro.user.User08");
String userfield9 = (String)bdo.getAttribute(FR + "bcg.ro.user.User09");
String userfield10 = (String)bdo.getAttribute(FR + "bcg.ro.user.User10");

// Getting the Target document attributes
String TO = BCGDocumentConstants.BCG_TPA_PREFIX_TO;
String userfield1 = (String)bdo.getAttribute(TO + "bcg.ro.user.User01");
String userfield2 = (String)bdo.getAttribute(TO + "bcg.ro.user.User02");
String userfield3 = (String)bdo.getAttribute(TO + "bcg.ro.user.User03");
String userfield4 = (String)bdo.getAttribute(TO + "bcg.ro.user.User04");
String userfield5 = (String)bdo.getAttribute(TO + "bcg.ro.user.User05");
String userfield6 = (String)bdo.getAttribute(TO + "bcg.ro.user.User06");
String userfield7 = (String)bdo.getAttribute(TO + "bcg.ro.user.User07");
String userfield8 = (String)bdo.getAttribute(TO + "bcg.ro.user.User08");
String userfield9 = (String)bdo.getAttribute(TO + "bcg.ro.user.User09");
String userfield10 = (String)bdo.getAttribute(TO + "bcg.ro.user.User10");
```

In the User Exit implementation of the public BusinessDocumentInterface process(Context ctx, BusinessDocumentInterface bdo) method, obtain the necessary User defined attribute values. Whether to obtain the source attributes or the target attributes and of those attributes which ones to obtain depends on your implementation of the User Exit.

Section

Summary



This section discusses the summary.

Summary

- **Non-repudiation**
 - ▶ Is now configured on a document definition attribute.
 - ▶ Will apply to either the source or target document just like the other attributes.
 - ▶ Allows for control as to when to log the document.
- **User defined attributes**
 - ▶ Provide additional configuration capability for user exit handlers.
 - ▶ They are a document definition attribute and so have the normal behavior as other attributes.
 - ▶ How they are used is up to the user exit.



This presentation covered the changes made for configuring the Non-repudiation and User defined attributes in WebSphere Partner Gateway V6.1. Non-repudiation is now configured at the document definition level as an attribute and can be overridden at the packaging, business-to-business capability or the connection level. User defined attributes provide additional configuration capabilities for user exit handlers. They are a document definition attribute and have the same behavior as other attributes.

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