

webMethods RosettaNet Module 7.1 Service Pack 1 Enhancements and Fixes

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This file provides the enhancements and fixes contained in webMethods RosettaNet Module 7.1 Service Pack 1. To view the readme file for this release, see the [Advantage Bookshelf](#).

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1.0 Fixes and Service Packs Included in This Release

webMethods RosettaNet Module 7.1 Service Pack 1 includes the following fixes and service packs made available since the last release. See the product documentation pages on the [webMethods Bookshelf](#) for more information about service packs, and see the [webMethods Knowledge Base](#) for more information about fixes.

- RN_7-1_Fix1
- RN_7-1_Fix2
- RN_7-1_Fix3
- RN_7-1_Fix4
- RN_7-1_Fix5
- RN_7-1_Fix6

- RN_7-1_Fix7
- RN_7-1_Fix8

2.0 Resolved Issues

This section lists issues that were resolved in this release.

- 1-1RNS7V (RN_7-1_Fix1)
The TPA document returned by "pub.estd.rosettaNet:waitStepInit" service does not conform to "wm.estd.rosettaNet.documents:TPAInfo" document.

The TPA document returned by "pub.estd.rosettaNet:waitStepInit" does not conform to "wm.estd.rosettaNet.documents:TPAInfo" document. Some of the fields in "wm.estd.rosettaNet.documents:TPAInfo" start with uppercase characters, but the fields in the document returned by "pub.estd.rosettaNet:waitStepInit" start with lowercase characters. The ConversationID is also not returned.

The issue is resolved. Now the TPA document contains fields starting with uppercase characters and the ConversationID is also returned.

- 1-1P38JF (RN_7-1_Fix1)
RosettaNet 7.1 doesn't work over https protocol.

The RosettaNet Module is unable to communicate with partners when the user specifies the https protocol as the delivery method.

This issue is resolved. Now webMethods RosettaNet Module 7.1 supports the https protocol.

- 1-1SWIVB (RN_7-1_Fix2)
webMethods RosettaNet Module 7.1 throws Java Heap Exception while executing processes with a complex join step.

In webMethods RosettaNet Module 7.1, whenever a process with a complex join step is executed, a Java Heap Exception is thrown and the process fails.

The issue is resolved. Now, the RosettaNet Module supports complex joins in the process models.

- 1-1TAS66 (RN_7-1_Fix3)
<toRole> and <fromRole> tags are not properly constructed in the Receipt Acknowledgement document (RNIF 1.1).

In RosettaNet Module 7.1, the Receipt Acknowledgement document (RNIF 1.1) does not have the correct <toRole> and <fromRole> tags. The tags are created as <to><Role>...</Role></to> and <from><Role>....</Role></from>.

This issue is resolved. The Receipt Acknowledgement document (RNIF 1.1) contains the correct tag names

for this issue as well as other tags.

- 1-1TBIQ2 (RN_7-1_Fix3)
Receipt Acknowledgement document (RNIF 1.1) contains the same value for the <GlobalBusinessIdentifier> tag in both the <fromRole> and <toRole> tags.

In RosettaNet Module, the receipt acknowledgement generated for RNIF 1.1 contains the same value for the <GlobalBusinessIdentifier> tag in both the <fromRole> and <toRole> where it should contain the ID of the sender and the receiver, respectively, for that receipt acknowledgement.

This issue is resolved. The Receipt Acknowledgement document contains the correct values for these tags.

- 1-1TQWWP (RN_7-1_Fix4)
DOCTYPE tag is missing in the payload of XML documents.

In a RosettaNet message, the service content of the message that contains the payload is missing the DOCTYPE tag. This tag points to the DTD that the XML document must be validated with. The absence of the DOCTYPE tag can lead to verification failure or the hanging of RosettaNet Module.

This issue is now resolved.

- 1-1UBINT (RN_7-1_Fix4)
For the pub.estd.rosettaNet:send service, the output value of the sendFailed parameter appears incorrect.

The sendFailed parameter indicates whether the pub.estd.rosettaNet:send service executed successfully or not, using the values true or false. However, the value appears incorrectly. For example, if the service execution is not successful, the sendFailed parameter value appears as false instead of true.

This issue is now resolved.

- 1-1TB7D5 (RN_7-1_Fix4)
The pub.estd.rosettaNet:send service throws the following error when sending transactions:

"Preferred protocol 'Secondary HTTP' not defined in TN. Set the preferred protocol in TN profile." This error occurs only when you set the preferred protocol as any HTTP protocol other than Primary HTTP.

This issue is now resolved. You can select any HTTP transport protocol as the preferred protocol.

- 1-1U5MG4 (RN_7-1_Fix4)
While sending RosettaNet 7.1 documents, the XML namespace information is not available in the documents.

This issue occurs even after you provide the required namespace information in the NSDecls variable of the Trading Partner Agreement.

This issue is now resolved.

- 1-1TKWA9 (RN_7-1_Fix4)

You provide the mode of operation of the transaction, that is, test or production, in the UsageCode parameter of the Trading Partner Agreement. The GlobalUsageCode XML tag in RosettaNet documents must contain the same value as that of the UsageCode parameter; however, it contains an incorrect value.

This issue is now resolved.

- 1-1TRKNK (RN_7-1_Fix4)
The RNSubType in the MIME header of RosettaNet Object (RNO) does not conform to the RNIF specifications.

The RNSubType appears as a new entry in the MIME header Content-Type. According to the RNIF specifications, the RNSubType must appear as a sub type to the Content-Type header.

This issue is now resolved.

- 1-1P497I, 1-1TJIIH (RN_7-1_Fix4)
Interoperability issues exist between webMethods RosettaNet Module 7.1 and webMethods RosettaNet Module 6.0.1.

No messages can be exchanged between RosettaNet Module 7.1 and RosettaNet Module 6.0.1.

This issue is now resolved.

- 1-1T9MLX (RN_7-1_Fix4)
Acknowledgement receipts for RosettaNet 7.1 documents fail when exchanging messages with the earlier versions of RosettaNet Module.

The format of the conversation ID in RosettaNet Module 7.1 is in a different format as compared to the earlier versions. This causes the acknowledgement receipts to fail.

This issue is now resolved. RosettaNet Module 7.1 continues to generate the conversation ID in a different format but does not cause any interoperability problems with earlier versions of webMethods RosettaNet Modules.

- 1-1TSPQI (RN_7-1_Fix4)
In the RosettaNet documents, the <KnownInitiatingPartner> tag does not contain the correct DUNS ID.

The <KnownInitiatingPartner> tag contains an incorrect DUNS ID, instead of the DUNS ID of the partner who initiated the transaction.

This issue is now resolved.

- 1-1UNS7I (RN_7-1_Fix5)
webMethods RosettaNet Module 7.1 sends messages as multipart/mixed MIME entities.

RNIF 2.0 messages are incorrectly sent as multipart/mixed MIME entities instead of multipart/related MIME

entities.

This issue is now resolved.

- 1-1UMV6H (RN_7-1_Fix5)

Some RosettaNet Module error messages are unclear and incorrect.

Some error messages or notification messages are syntactically incorrect or do not convey the clear reasons for the errors.

This issue is resolved.

- 1-1TPUIT (RN_7-1_Fix5)

In RNIF 1.1 documents, the Service Header and Preamble Header are not generated correctly.

In the RosettaNet document, the order of the XML tags and the values of some tags in the Service Header and Preamble Header are incorrect.

This issue is now resolved.

- 1-1USOXP (RN_7-1_Fix5)

Public services in webMethods RosettaNet Module 7.1 do not have input and output parameters and some mappings are incorrect.

Some of the publicly exposed services in the WmRosettaNet package either do not have input and output parameters or the parameters that exist are invalid. And in some cases, the related mappings are incorrect.

The issue is resolved. All public services in the WmRosettaNet package have the correct required input and output parameters with related mappings.

- 1-1UOZV (RN_7-1_Fix6)

The DOCTYPE tag in the service content (or the payload) of the RNIF message is incorrect.

The DOCTYPE tag in the payload contains an invalid character "@version", that is, in the format <!DOCTYPE @version SYSTEM "abc.dtd"> instead of the payload document root tag.

This issue is now resolved.

- 1-1UGPP9 (RN_7-1_Fix6)

When webMethods RosettaNet Module receives a RNIF 2.0 document, a null pointer exception is thrown and the 0A1 exception document is not generated properly. In addition, if the document is sent by a third party application, the Receipt Acknowledgement is not logged in Trading Networks.

This issue occurs because the Service Header, Delivery Header, 0A1 Payload, 0A1 Service Header, and 0A1 Delivery Header of the RNIF 2.0 document do not conform with the RNIF guidelines.

This issue is now resolved.

- 1-1V9KSL (RN_7-1_Fix6)

- RNIF 2.0 messages do not reflect the encoding parameter value set in the corresponding TPA.
- RNIF 1.0 messages have the encoding parameter set to an incorrect value "7 bit" instead of "base64".

This issue is resolved. The encoding parameter is now updated so as to set the correct values.

- 1-1VCLCC (RN_7-1_Fix6)

Incorrect subtype value in Content-Type MIME header in RNIF 2.0 documents.

In an unencrypted RNIF 2.0 document, the Content-Type MIME header contains a subtype that has an incorrect value. The value of the subtype must be "application/xml"; however, the value is "Application/XML" which is incorrect.

This issue is now resolved.

- 1-1V9X03 (RN_7-1_Fix6)

Under heavy load conditions, RosettaNet process models are sometimes not initiated for a few documents.

Under heavy load conditions, Trading Networks receives the incoming RosettaNet documents but the corresponding process model instances are not initiated. Thus, transactions are lost.

This issue is now resolved.

- 1-1UQVLH (RN_7-1_Fix6)

The receiver cannot recognize the RosettaNet General Exception document.

The RosettaNet General Exception document that is sent as a response to an invalid document cannot be recognized by the receiver. This issue occurs because the general exception document is not well-formed; that is, it is not complete with all the required XML tags and the values.

This issue is now resolved.

- 1-1VPMC5 (RN_7-1_Fix6)

Cannot recognize some RosettaNet documents for a trading partner that has multiple external IDs configured.

For documents that have multiple external IDs configured for a partner, webMethods RosettaNet Module picks the first available external ID and sets it to the Service Header. If the first external ID is not the DUNS ID, that RosettaNet document cannot be recognized.

This issue is resolved. Now, RosettaNet Module uses the actual external ID that starts the transaction.

- 1-1V9KFP (RN_7-1_Fix6)

In a Purchase Order Request document, the Message-ID and MIME-Version field values are incorrectly set to null.

This issue occurs because the Message-ID and MIME-Version fields do not get populated with any values

and thus these field values are set to null.

This issue is now resolved.

- 1-1VCGNE (RN_7-1_Fix6)

In RNIF 2.0 documents, the <locationID> field is missing in the Delivery Header.

In RNIF 2.0 documents, in the Delivery Header, the <locationID> field is missing under <messageReceiverIdentification>/<PartnerIdentification> and <messageSenderIdentification>/<PartnerIdentification>.

This issue is now resolved,

- 1-1VJ4QU (RN_7-1_Fix7)

In RosettaNet Module 7.1, RosettaNet transactions are not logged in the Activity Messages section of My webMethods Server for RosettaNet process model steps.

This behavior occurs because the HTTP response code and activity messages were not available in RosettaNet Module 7.1.

The issue is resolved. RosettaNet Module now logs activity messages properly in MWS for process model steps.

- 1-1VU5TK (RN_7-1_Fix7)

When you run a transaction for RNIF 2.0, the messageTrackingID in the service header of the acknowledgement document is not similar to that in the delivery header of the request document.

According to RosettaNet RNIF 2.0 specifications, the value of the messageTrackingID tag in ServiceHeader's inReplyTo element of the receipt acknowledgement document must be similar to the messageTrackingID tag in DeliveryHeader of the request document.

The issue is now resolved.

- 1-1VUIBV (RN_7-1_Fix7)

In a clustered environment, process models fail while trying to send the receipt acknowledgement.

In a clustered environment, the information required to generate the receipt acknowledgement is not appropriately shared across the cluster nodes. Due to this, the generation of the receipt acknowledgement fails, resulting in the failure of the process models.

This issue is resolved. Now, the cache shared across the cluster nodes is updated correctly and the information is shared appropriately.

- 1-1VR3SB, 1-1VPMC5 (RN_7-1_Fix7)

Inbound validation of documents fails with errors.

Inbound validation for documents that require specific TPA parameters like ISSchema or NSFolder to be populated fail with errors such as: "conformsTo parameter is null" or "Integration Server does not support this type of object in validation."

This issue is resolved. Now, irrespective of the TPA parameter settings, validation for inbound documents happens successfully.

- 1-1WDO5R, 1-1W9EVU (RN_7-1_Fix7)
webMethods RosettaNet Module generates additional schema-based elements in the payload documents that lead to validation failure.

For example, in PIP 3B2 documents, an additional tns element is generated in the payload document that leads to TPA related validation failure.

The issue is now resolved.

- 1-1WQ14T (RN_7-1_Fix7)
RosettaNet Module throws exceptions during data validations for RNIF 1.1, 2.0.

During validations, many exceptions are being thrown and processing errors occur. For example:

- Java Exception is thrown in the server log when the user sets ProcessInfo/Sign = Yes and ProcessInfo/Signature=No in the TPA for both Buyer and Seller.
- java.Lang.NullPointerException is logged in the console when the user runs the 3A4 sample.
- No error validation is done when the user sets an invalid PipInfo/NSFolder in the TPA for RosettaNet Module.
- Inbound validation fails when the document is not created as per the document type.
- The value of Content-ID is not enclosed in angle brackets and the "encoding" attribute is missing in the PIP attached in the service content. (RNIF 2.0)
- There are issues with exception document creating and content. (RNIF 2.0)
- Exception documents are not logged in Trading Networks Console. (RNIF 1.1)

This issue is resolved. Strict inbound document data validations have been introduced, thus resolving multiple issues related to exception handling.

- 1-1WTBNZ (RN_7-1_Fix8)
When you migrate from an earlier version of RosettaNet Module to RosettaNet Module version 7.1, the following built-in services become unavailable: wm.ip.rnif11.util:getRNIF11Documents and wm.ip.rnif20.util:getRNIF20Documents.

These built-in services were contained in the WmRNIF11TRP and WmRNIF20TRP packages, respectively, in earlier versions of the RosettaNet Module. WmRNIF11TRP and WmRNIF20TRP packages are not available in RosettaNet Module 7.1. Due to this, there is no option to extract and output relevant information of a RosettaNet document.

This issue is now resolved. A new service, pub.std.rosettaNet.getRNOMimePart, is now introduced in the WmRosettaNet package. This service allows you to extract and output relevant information of a RosettaNet

document in parts.

- 1-1XIGX5 (RN_7-1_Fix8)

An exception occurs when Notification of Failure (NOF) is run with RNIF 1.1 and RNIF 2.0 on the same environment.

When a PIP 0A1 is imported, it creates only one Administrator document, so only one transport version is supported at a time. To run the NOF document, you must create a duplicate of the Administrator document type (PIP0A1vV02.00 Failure Notification Action Failure Report Administrator Document), as well as a duplicate of the Administrator TPA (PIP0A1vV02.00 Failure Notification Action Failure Report Administrator Document), regardless of the RNIF protocol used. You must have two Administrator document types and two Administrator TPAs.

To separately identify RNIF 1.1 and RNIF 2.0 NOF in Administrator documents, add a new pipeline variable "transportVersion" containing the value 1.1 for RNIF1.1 protocol or 2.0 for RNIF2.0 protocol.

This issue is resolved. NOF now runs with transport version 1.1 and 2.0 on the same environment.

- 1-1XLCLD (RN_7-1_Fix8)

When an NOF is generated due to a timeout or "retry limit over," an abnormal service header document is created.

The Service header generated for the NOF does not contain messageTrackingId and failedInitiatingDocumentIdentifier elements. Due to these missing elements, the partner receiving the document is unable to map the document to the process model properly.

This issue is now resolved. The Service Content is mapped correctly.

- 1-1XFOQZ (RN_7-1_Fix8)

PIP implementations throw java.lang.ClassCastException errors randomly at waitStepInit for a process model.

When a PIP solution is implemented with customized process models, some transactions fail with a ClassCast exception. This happens because the IData object is type casted to XmlNode object.

This issue is resolved. Now, if the object is not a Node object, it will not be type cast into an XmlNode object.

- 1-1WUIBP (RN_7-1_Fix8)

Integration Server logs display many error messages during RosettaNet transactions.

During RosettaNet transactions, the following error message appears repeatedly in the server log:
"[ISU.0000.9999E] java.util.MissingResourceException: Can't find resource for bundle com.wm.estd.rosettaNet.RosettaNetResourceBundle, key ESIPRT.000010.000001."

This issue is now resolved. RosettaNet transactions now run without creating any error messages in the server logs related to resource bundles.

- 1-1WEBZN, 1-1WN9YV (RN_7-1_Fix8)

When you send a RosettaNet message containing German or non-English language characters, the characters are not encoded properly. The service content fails to validate upon reaching the receiver and the following error code is displayed:

<GlobalMessageExceptionCode>UNP.SCON.VALERR</GlobalMessageExceptionCode>.

This issue is now resolved. RosettaNet messages sent with non-English characters are encoded correctly.

- 1-1RMPIT

The MD5 digest algorithm for signing is now removed from the functionality of the RosettaNet Module.

The MD5 message digest algorithm option in TPA is now obsolete. Trading Networks also does not support this option any more.

This issue is resolved. Although this option was corrected through Trading Networks, it impacts the RosettaNet Module.

3.0 Enhancements

- The UseProfileCerts parameter has been removed from the IS doc type `wm.ip.rn.rec:UserParameters` in RosettaNet Module 7.1. Trading Networks now takes care of mapping the certificates using appropriate profile mapping. For more information about certificate mapping, see the appendix that discusses security within Trading Networks in the *webMethods Trading Networks Concepts Guide*.

4.0 Documentation Changes

None.

5.0 Terminology Changes

None.

6.0 Deprecated Items

None.

7.0 Added, Removed, or Changed Built-in Services

Added Service

pub.estd.rosettaNet:getRNOMimePart

Description

Retrieves a part of the RosettaNet document as an IS

document like Preamble, Payload and others.

Changed Service

pub.estd.rosettaNet:sendSynchronousResponse

Description

Sends a synchronous response.

A new input parameter, *receiptAckResponse*, was added to specify whether to synchronously send a receipt acknowledgement or a response document.

For more information about this input parameter, see the *webMethods RosettaNet Module Installation and User's Guide*.

8.0 Added, Removed, or Changed APIs

None.

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