Release Notes for WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0

The release notes cover release information for IBM(R) WebSphere(R) Partner Gateway, Enterprise and Advanced Editions, Version 6.0. It contains the following sections:

New in this release

Installation, upgrade, and configuration information

Product fix history

Limitations

Backward compatibility

Known problems and workarounds

Product compatibility

Documentation

Hardware and software requirements

Note: Important information about this product may be available in Technical Support Flashes issued after these release notes were published. These can be found on the WebSphere Partner Gateway support web site at http://www.ibm.com/software/integration/wspartnergateway/support. Select the component area of interest and search the flashes section.

New in this release

This section lists the new features and improvements made in this release.

- WebSphere Business Integration Connect, Enterprise and Advanced Editions, has been renamed WebSphere Partner Gateway, Enterprise and Advanced Editions.
- Enhanced EDI document processing capabilities, provided by the Data Interchange Services feature, expand on the pass-through processing offered in previous releases. New support includes:
  - Enveloping, de-enveloping, and splitting to handle or generate EDI interchanges with multiple heterogeneous documents
  - Extensive validation and functional acknowledgement support
  - Robust, any-to-any mapping capability for EDI, XML, and record-oriented data using Data Interchange Services client
- Transport and business protocol support has been extended:
  - Support for FTP scripting to connect to external EDI - Value Added Networks
  - Support for additional RosettaNet PIPs
- Reliability, availability, and serviceability have been enhanced:
  - Full message repository support, including the ability to view status and images of interchanges sent or received and to drill down to the individual documents within the interchanges to see their functional acknowledgment status
  - Ability to resend documents that have been sent successfully or unsuccessfully
  - New support for handling multiple certificates to prevent outages when certificates expire or when certificates are revoked
  - Ability to export configuration information to a file when needed for troubleshooting by IBM technical support.
- Support has been added for sending documents using HTTP through forward proxy, which is configurable based on the trading partner.
- Inventory and usage signature support has been added for IBM Tivoli License Manager (ITLM) on all supported

platforms.
- File names and directories have been updated to reflect the new naming convention.
- Security functions have been enhanced: Certificate path validation and revocation check with CRL (Certificate Revocation List) distribution point support.
- Support has been added to optionally install WebSphere Partner Gateway on an existing WebSphere Application Server, 6.0 (the base or Express version), installation.
- WebSphere Partner Gateway, Enterprise and Advanced Editions can be integrated with WebSphere Business Integration Server Foundation.
- Support for new operating system versions has been added: Windows 2003 Server - Standard and Enterprise, Red Hat Enterprise Linux 3.0, SuSE Linux Enterprise Server 9, AIX 5.3, and Solaris 9.
- Support for new database versions has been added: Oracle 9.2.0.4 and Oracle 10.1.0.3.
- Support for WebSphere MQ 5.3 CSD 08 or later has been added.

Product fix history

The following problems, based on customer-reported cases for WebSphere Business Integration Connect, Version 4.2.2, fix packs 1, 2, 3, and 4, are fixed in WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0:

APAR	Description
JR20152	The Raw Document Viewer did not display different encoding documents correctly.
JR20266:	Receiver problems returned code 500 to the partner while starting.
JR20300	When user exit sample code was used, object errors could not be serialized.
JR20332	A null pointer exception was returned when a SOAP synchronous call failed the connection lookup.
JR20335	A NonRepudiationPKIProcess error was returned in the LG_MSG_ARCHIVEU_AH1 procedure.
JR20336	User-defined actions did not work.
JR20371	The BusinessDocumentInterface class referred to the old file.
JR20394	The addEvent method in the SenderResult class was inconsistent.
JR20414	The Community Console did not allow more than one active SSL certificate.
JR20415:	An error occurred when uploading the XML file with UTF-8 or UTF-16 encoding.
JR20419	The ToPartnerBusinessId was hardcoded to the hub manager's ID.
JR20446	A WSDL with soap:header in the binding element could not be uploaded.
JR20587	A null pointer exception was returned when the Event Delivery option was enabled.
JR20784	Oracle version 9.2.0.4 was not supported.
JR20954	An error occurred while the schema name was retrieved.
JR21021	A partner name was restricted to 25 characters.
JR21128	A deleted community console partner ID could not be reused.

JR21253	Successfully sent MDNs showed as in-process in the AS1/AS2 viewer.
JR21277	The document viewer was unable to show Japanese characters. SJIS encoding support was added.
JR21278	The console showed negative numbers in the In Progress column of the document analysis report.
JR21279	The console did not save changes to the Gateway configuration if a custom transport was used.
JR21318	While processing a document, if the target URI was changed, messages continued to be sent to the old URI.
JR21319	The console showed the incorrect Doc Time Stamp for XMLEvent.
JR21328	Using 4A4 packages alone was generating data validation errors.
JR21341	If MDN was received in multiple chunks, an error occurred while processing.
JR21342	A null pointer exception was returned if the attachment encoding was not specified.
JR21373	For 7B5, there was an incorrect channel ID in processing 0A1.
JR21658	Document were lost if there was a database deadlock.
JR21680	Document Manager status was incorrect or unclear when when it was started as a service in WebSphere Business Integration Connect, Enterprise and Advanced Editions, Versions 4.2.1 and 4.2.2.

Backward compatibility

WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, is functionally backward compatible with its predecessor, WebSphere Business Integration Connect, Enterprise and Advanced Editions, Version 4.2.2

Product Compatibility

- WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, is eBusinessReady-certified for AS2. Refer to http://www.ebusinessready.org for more information.
- WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, is eBusinessReady and RosettaNet Ready for the RosettaNet Implementation Framework (RNIF), Version 2.0, as designated by the "RosettaNet certified" and "eBusinessReady(R) certified" software seal. Refer to http://www.rosettanet.org for more information.

Hardware and software requirements

Hardware and software requirements are included in the product documentation. See Installation, upgrade, and configuration information for links to those guides.

Installation, upgrade, and configuration information

Whether you are installing the software from the CD or downloading it from Passport Advantage and installing it from a local directory, refer to the following documentation:

- WebSphere Partner Gateway, Enterprise and Advanced Editions *Installation Guide* for installation and upgrade information
- WebSphere Partner Gateway, Enterprise and Advanced Editions *Hub Configuration Guide* for configuration information

The following notes provide additional installation, upgrade, and configuration information:

- WebSphere Business Integration Connect, Enterprise and Advanced Editions, Version 4.2.2, supported Red Hat Enterprise Linux (RHEL) Advanced Server, Version 2.1 and Solaris 8. WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0:
  - Drops support for RHEL, Version 2.1 but supports RHEL 3.0
  - Drops support for Solaris 8 but supports Solaris 9
- WebSphere Business Integration Connect, Enterprise and Advanced Editions, Version 4.2.2, supported Oracle 9.2.0.1. WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, drops support for Oracle 9.2.0.1 but supports Oracle 9.2.0.4 and Oracle 10.1.0.3.
- On Windows operating systems, if the components are installed as Windows services, the BCGUSER user must have permissions to start a service. You can add the user BCGUSER to the list of users who can run a service from the Control Panel > Administrative Tools > Local Security Policy > Log On as a service. WebSphere Partner Gateway, Enterprise and Advanced Editions, does not start properly if you do not set this.
- RC5 encryption encoding is no longer supported in WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0. This setting must be changed manually before you continue with migration. You must ensure that the bcg. rosettanet.encrypt.Algorithm parameter in the bcg.properties file, which is located in the directory bcghub\router\lib \config, is not set to RC5. In addition, for the RosettaNet protocol, the RosettaNet Encryption Algorithm attribute must be changed from RC5 to a supported value in the Community Console.
- Certificate Revocation List Distribution Points are now supported in WebSphere Partner Gateway, Enterprise and Advanced Edition, Version 6.0. To enable this, refer the section "Running the bcgSetCRLDP.jacl script," in the *Hub Configuration Guide*.
- HTTP forward proxy support was introduced in WebSphere Business Integration Connect, Enterprise and Advanced Editions, Version 4.2.2, fix pack 4. WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, implements this support differently. If you configured the forward proxy support in WebSphere Business Integration Connect, version 4.2.2, fix pack 4, then you must manually enter the values from the document manager bcg.properties file in the WebSphere Partner Gateway Community Console. The new panel is located in the in Account Admin > Profiles > Gateways > Forward Proxy Support. On the Forward Proxy Support panel, click the Create link on the right side to create a new Forward Proxy List.
- Migrated Oracle databases require additional privileges for the IBM Data Interchange Services (DIS) 6.0 client to export successfully. Connect to your Oracle database as an administrator and run the commands below. Be sure to replace the italicized values (for example, replace *Schema_Name* with BCGAPPS, replace *DocMgr_Name* with BCGDOCMGR, or replace *Receiver_Name* with BCGRECEIVER). You must execute these commands before executing the Grants_sys.sql command and after executing the save_inputs.sql steps that are explained in Chapter 4: Upgrading WebSphere Partner Gateway, in the *Installation Guide*.

```
GRANT Schema_Name_DEL TO DocMgr_Name;
GRANT Schema_Name_INS TO DocMgr_Name;
GRANT Schema_Name_SEL TO DocMgr_Name;
GRANT Schema_Name_UPD TO DocMgr_Name;
ALTER USER DocMgr_Name DEFAULT ROLE CONNECT, RESOURCE
        , Schema_Name_DEL
        , Schema_Name_INS
        , Schema_Name_SEL
        , Schema_Name_UPD;
GRANT Schema_Name_DEL TO Receiver_Name;
GRANT Schema_Name_INS TO Receiver_Name;
GRANT Schema_Name_SEL TO Receiver_Name;
GRANT Schema_Name_UPD TO Receiver_Name;
ALTER USER Receiver_Name DEFAULT ROLE CONNECT, RESOURCE
        , Schema_Name_DEL
        , Schema_Name_INS
        , Schema_Name_SEL
```

, *Schema_Name*_UPD;

Limitations

- The number of users displayed in the manage connections screen is restricted to 500.
- Encryption Algorithm - RC5 is not supported in this release.
- Ipswitch VRM cannot work with WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, using FTPS and client authentication. To use FTPS and client authentication, another FTP server must be used.
- WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, does not support RosettaNet PIPs that send XML documents with more than one format for each action. For example, a typical one-action PIP sends an XML document of only one format to a receiver. The PIP 2A1, version 1.0, however, uses two different formats for the service content.
- If you create a RosettaNet PIP document flow package, the name of the PIP or its DTD and the names of the XML and XSD files in the PIP document flow packages cannot exceed 120 characters. If any of the names exceed this limit, the PIP document flow package cannot be uploaded.
- In one-way synchronous RosettaNet routing, the Sync Ack Required attribute determines whether the nonrepudiation of Receipt attributes takes effect or not. The following examples illustrate this functionality.

  Example 1
  A Participant-initiated, one-way synchronous PIP with the following connection attributes:
  Digital Signature Required = Yes
  Non-Repudiation of Receipt = Yes (the receipt acknowledgement contains the original message digest)
  Sync Supported = Yes
  Sync Ack Required = No (a synchronous receipt acknowledgment is required for Non-Repudiation of Receipt)

  In this example, the Sync Ack Required has priority and WebSphere Partner Gateway returns an "http 200" to the Participant and does not generate a receipt acknowledgement, even though the Non-Repudiation of Receipt attribute is set to Yes. Similarly, if the Community Manager initiates a one-way PIP to a Participant, WebSphere Partner Gateway expects only an "http 200" status and no receipt acknowledgement.

  Example 2
  A Participant-initiated, one-way synchronous PIP with the following connection attributes:
  Digital Signature Required = Yes
  Non-Repudiation of Receipt = Yes (the receipt acknowledgement contains the original message digest)
  Sync Supported = Yes
  Sync Ack Required = Yes (a synchronous receipt acknowledgment is required for Non-Repudiation of Receipt)

  In this example, WebSphere Partner Gateway generates a receipt acknowledgement with the correct message digest and signature. Similarly, if the Community Manager initiates a one-way PIP to a Participant, WebSphere Partner Gateway expects a receipt acknowledgement with the correct message digest and signature.

- Directory names cannot contain non-ASCII characters. The product installation cannot handle a non-ASCII character within a directory name. This includes all installation directories.
- "OC" type RosettaNet PIPs do not work with Community Participant Simulator. However, PIPs of other types can be tested using the simulator.

Known problems and workarounds

The following problems have been found in this release:

- The AIX electronic product image .tar file cannot be successfully unarchived using the default tar program available on AIX because the image has path lengths of more than 100 characters. However, IBM distributes a tar program that can successfully unarchive the AIX electronic product image .tar file. This tar program is available through the AIX Toolbox for Linux Applications at http://www.ibm.com/servers/aix/products/aixos/linux/download.html.

- If a database connection is lost while starting the console server, no error message is displayed. However, you can tell that the connection is lost because you can see that graphics are missing from the console login screen and when you enter a password into the console, it is considered invalid, even if it is correct.

- After successful product installation and login, the following error may appear in the console: SystemOut.log and the wpg_console.log: ToString::generate() -- java.lang.ClassCastException: java.lang.Object. This is a misleading error caused within the logger itself. It does not represent a problem with the product functionality and can be safely ignored.

- A "font specified in font.properties not found" message may be displayed in the command window that executes the LaunchPad.sh command on some UNIX systems. This error does not cause any known problems with the application and can be safely ignored.

- Files generated by using the -options-record option do not have correct data in the files. Replace string resolvers of the form $P() or $W() with the values on the installation wizard panels. This can be done by editing a supplied example response file or by replacing the string resolvers in the generated options file with the appropriate values using an editor before executing a silent installation. This problem occurs with both the Database Loader and the Hub installation wizards.

- Input fields in the WebSphere Partner Gateway, Enterprise and Advanced Editions installation wizard appear with a gray background. However, port numbers, paths, and other input requests from the installer are input-capable and can be modified.

- If the package being uploaded in the Upload Packages page in WebSphere Partner Gateway Community Console contains the Package directory with a backslash (\ ), then the package upload fails. The workaround is to re-create the package with software that puts forward slash (/) as the directory separator in the .zip file.

- The ikeyman.bat or ikeyman.sh utility cannot be run if the installation path contains spaces. The workaround is to use quotation marks in the ikeyman.bat or ikeyman.sh as follows:

  In the *WAS_HOME*/bin directory, edit the ikeyman script by adding quotation marks around the file name:

      cscript //NoLogo %WAS_HOME%\bin\GetGSKITInstallPath.vbs
      to
      cscript //NoLogo "%WAS_HOME%\bin\GetGSKITInstallPath.vbs"

  Refer to the problem fix page for more information.

- While uploading a certificate or keystore, if the exception message "Unsupported keysize or algorithm parameters" is displayed, the certificate or keystore is not compatible with the current jurisdiction policy files. You may use either unrestricted policy files, if permitted, or the keystore or truststore with less cryptographic strength.

  To install unlimited jurisdiction policy files in WebSphere Partner Gateway, follow these steps:

  1. Download the unlimited jurisdiction strength policy files from the IBM SDK Policy files link at http://www.ibm.com/developerworks/java/jdk/security/142/.
  2. Unzip the downloaded file to a temporary folder.
  3. In the was\java\jre\lib\security subdirectory of the WebSphere Partner Gateway, Enterprise and Advanced Editions, installation, rename these files:

         local_policy.jar
         US_export_policy.jar
         to
         local_policy.jar.bak
         US_export_policy.jar.bak

- Copy local_policy.jar and US_export_policy.jar from the temporary folder to the was\java\jre\lib\security subdirectory of the WebSphere Partner Gateway, Enterprise and Advanced Editions, installation.

  For using the keystore with weaker cryptography, the keystore must be saved with the permitted cryptography strength, as listed in the default jurisdiction policy files. IBM KeyMan supports configuring the cryptographic strength. IBM KeyMan software is available from http://www.alphaworks.ibm.com. Information about the cryptography strength permitted by default can be found in the Java Cryptography Extension Reference Guide for JDK 1.4.2.

- When a mapped network drive provides the location of "common folders" during the installation of receiver, console, and document manager on another machine, there may be some problems accessing the "common folders." To avoid this, always use UNC (Universal Naming Convention) notation to access the common directory (for example, use \\<machine_name>\common).

  If "common folders" and "document manager" are installed on different machines and if "document manager" is installed as a service, the "document manager" service may not start properly. To avoid this, always use the same user ID and password for bcguser during the installations.

- To enable the default Event Delivery feature in Windows 2000 Server versions, change the default values of the JMS Queue Factory Name from WBIC/QCF to WBIC\\QCF and the JMS Queue Name from WBIC/DeliveryQ to WBIC\\DeliveryQ.
- WebSphere Partner Gateway, Enterprise and Advanced Editions, Version 6.0, creates a DB2/UDB database with the parameter COLLATE USING UCA400_NO to allow for correct sorting of Unicode data. This might affect system performance. To work around this, set the database sorting algorithm to byte value comparison. When installing the database tables, clear the option to have the installer run the database creation scripts. Edit the script *DBLoader_install_root*/scripts/DB2/Create_db2.sql to set the parameter COLLATE USING IDENTITY. Then, execute the scripts as described in the file *DBLoader_install_root*/scripts/DB2/Instructions.txt.
- If FTP Scripting Target or FTP Scripting Gateway is used to retrieve or deliver files from firewall-protected networks, use the "passive" command in the script to avoid transfer failures.
- If revocation status of a certificate cannot be determined, the certificate is considered valid. To avoid this situation, current Certificate Revocation Lists (CRL) from the issuers should be available either in the local CRL directory or in the CRL Distribution Point (if enabled).

Documentation

Product documentation is not included as part of the product package, either by CD or electronic product distribution. The documentation for this product can be found in the following information center:

http://www.ibm.com/software/integration/wspartnergateway/library/infocenter/

To obtain the product documentation, visit the Web site and download the current documentation set for the release that you are using. Follow the instructions provided on the information center page to complete the installation.