WebSphere Partner Gateway (WPG) 6.1.1 FAQ – February 19, 2008

This FAQ contains answers to generally expected business (Type=B) and technical (Type=T) questions. The answers are deemed to be correct as of the date of publication, but subject to change without notice.

ID	Type	Question
1.	B	What are the new features in WPG 6.1.1? Specific new functions include: ▪ ASx Encrypted/Signing/Compression support of large files ▪ Integrated FTP(S) Management ▪ Aggregated set of certificate requirements from multiple customers and Multiple Certificates per Trading Partner® profile ▪ Multiple community managers ▪ RosettaNet compression ▪ Error Flow Routing function in case of validation and other failures ▪ Timeout Interval Customization for different Hypertext Transfer Protocol (HTTP) targets ▪ Support for basic authentication for Applicability Statement 2 (AS2) inbound message ▪ Support for folded structure format in the Content Type header of AS2 document ▪ Improved Archiver performance for File system and database archiving ▪ Deletion of selected artifacts (destinations, validation maps, document flow definitions, and certificates) ▪ New platform versions: Red Hat Enterprise Linux™ Version 5 (32 and 64 bit), SUSE Linux Enterprise Server Version 10 (64 bit) , HP-UX Itanium on HP Integrity 11i v3 Windows® Server 2003 (64-bit), Microsoft® Vista (for development) ▪ FIPS 140-2 enablement
2.	B	How do new customers get WPG 6.1.1? A customer generally works with a salesperson to purchase software and maintenance for the first 12 months. When a sale is finalized, the customer receives a customer number and access (password) to the Passport Advantage Customer Site (URL included below). http://www-306.ibm.com/software/howtobuy/passportadvantage/
3.	B	How do existing WPG or WebSphere Business Integration Connect (WBIC) customers get WPG 6.1.1? Passport Advantage customers with active software maintenance coverage can request upgrades "on demand." Whenever an upgrade is announced (version or release), an eNotification (e-mail message) is sent to the primary contact, mentioned in the record. Three options are available for the customer: 1) download the software upgrade

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		from the Passport Advantage site, 2) order the Media Pack at no additional cost from the Passport Advantage Customer site, or 3) take no action.

eNotification Process: eNotification messages are sent out weekly, bi-weekly, or monthly (default is monthly). Customers can choose which notification frequency they prefer.

The electronic assembly GA date (Planned/Revised FCS date listed in the IPLA-R system) triggers the eNotification. The electronic assembly long description(s) will be listed in the eNotification email.

Customer(s) can review the list and take the following actions: (1) do nothing; (2) click the hot link to reach Passport Advantage Online; (3) log on to Passport Advantage Online and navigate to review all maintenance upgrades available.

Once the customer(s) logs onto Passport Advantage Online, they will see the default view of all Software Maintenance entitlements sorted by GA date, with most current listed first. The Passport Advantage Customer site will list the electronic assemblies, electronic GA dates, and corresponding Media Packs based on version, language, platform, and sub-id matches.

The weekly eNotification messages are sent every Sunday. The bi-weekly eNotification are sent on the 1st and 16th of every month, and the monthly eNotification messages are sent on the 5th of each month. |
| 4. | B | How does one get support for WPG 6.1.1?

Support contact phone numbers, by country, are available through http://www.ibm.com/planetwide/

For US, the support contact phone number is 1-800-IBM-SERV (1-800-426-7378). Customers are required to quote the customer number while contacting Support.

Access the WPG Passport Advantage site using the following link:

http://www-306.ibm.com/software/howtobuy/passportadvantage/ |
| 5. | B | During the migration period from WPG 6.1 or WBIC 4.2, how does one get support for both versions?

Customers with current maintenance support contracts are entitled to support on both versions. For migration problems, customers should seek support under WPG 6.1.1. |

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6.	B	What are the End of Support (EOS) dates for previous WPG 6.0 and WBIC versions? WBIC 4.2.2 – 2008 (2 years extension till 2010) WBIC 4.2.3 – 2008 (2 years extension till 2010) WPG 6.0 – 2010 (3 years extension till 2013)
7.	B	Are IBM services available to support migration? Yes. IBM Software Services for WebSphere (ISSW) has two offerings to support migration: 1) a migration assessment to assess what would be required to migrate to WPG 6.1.1 from an earlier version, which would produce a detailed report describing a step-by-step roadmap for conducting a migration, and a time and cost estimate, and 2) services to actually conduct the migration. Additional information on ISSW services is available through: http://www128.ibm.com/developerworks/websphere/services/contacts.html
8.	B	Is there training available to conduct a migration from WPG 6.0 or WBIC 4.2 to WPG 6.1.1? Yes, IBM Software Services for WebSphere (ISSW) offers customized training for preparing customers to migrate to WPG 6.1.1. Additional information on ISSW services is available through: http://www128.ibm.com/developerworks/websphere/services/contacts.html
9.	B	Is there training available on the new functions in WPG 6.1.1? Additional information on IBM training is available through: http://www.ibm.com/products/finder/us/finders?pg=trfinder Self-training on new features is also available through the IBM Education Assistant.
10.	B	Whom can I contact for if I have additional business questions? For business related questions, please contact kimberly.drouot@fr.ibm.com (Global Sales Executive, WebSphere B2B Integration, IBM Software Group).
11.	T	What is multiple certificate support? In the previous versions of WebSphere Partner Gateway, users had the option to use one digital certificate for all protocols and partners. Now, users are allowed to use more than one certificate. They can certificates based on partner, package, and operation mode.

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12.	T	Can I have different certificates for different internal partners? Yes, you can have multiple certificates loaded for each internal partner. You can also have a common certificate that can be shared by all the partners.
13.	T	Can I vary certificates for acknowledgements? Yes, this cannot be done on the participant connection, but when a certificate is uploaded, you can configure it for acknowledgement by choosing the appropriate partner pair and package.
14.	T	Are there any special steps to be executed during migration? You can no longer send outbound messages in Websphere Partner Gateway from external partner to an external partner. The outbound communication is assumed to be from internal partner to external partner. If you have an external partner, who actually is an internal partner, you will have to edit and change the partner type during migration.
15.	T	What is a certificate set? To associate a primary and secondary certificate, we use a Certificate Set. Certificate set can just contain one primary and one secondary certificate. The set is active only when one of the certificates is active. A certificate set is associated to outbound participant connections.
16.	T	How do I vary certificate? Certificate is varied via the certificate sets. Users do not deal directly with certificate, but deal with certificate sets. Certificate sets are associated to participant connections. To change certificates, users can edit the participant connection and change the certificate set that will be used for this connection.
17.	T	What is basic authentication? In the context of HTTP communication, basic authentication provides a means for the client to provide credentials for authentication in the form of user name and password. Web servers will first authenticate this information before processing the request.
18.	T	Does WPG support basic authentication? HTTP receivers in WPG support basic authentication, client can provide authentication credentials in the form of <username> :< password>. This authentication string needs to be base64 encoded. If basic authentication is turned on in the HTTP receiver, then unauthenticated requests will not be processed.

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19.	T	What is changed in WPG 6.1.1 in terms of basic authentication?
		Authentication was earlier supported for Web-Service protocol; this is now extended for all protocols transported over HTTP. We also support the older version of the authentication string business-id/username: password.
20.	T	What are the benefits of the "Integrated FTP(S) Management" and how does one use it?
		The Apache FTP Server is packaged as part of WebSphere Partner Gateway 6.1.1. By having a packaged FTP server, you can now configure and manage an FTP server from the WebSphere Partner Gateway console. This eliminates the need to purchase and install a separate FTP server. The FTP Server can be installed on a different machine and can be started and stopped from the WebSphere Partner Gateway console. You can also manage users and the associated certificates from the WebSphere Partner Gateway console itself. You can use the integrated FTP Server with WebSphere Partner Gateway's FTP Sender, FTP Receiver, FTP Scripting Sender, and FTP Scripting Receiver.
21.	T	What data needs to be archived and purged from the WPG application storage?
		WPG accumulates data in the COMMON file system under the non-repudiation, message store, and some other folders. The database also grows to store the data for message archive, state engine, message logging and summary tables.
		WPG provides scripts to copy data from the non-repudiation message store and related database tables to a backup location.
		bcgNonRepExport.sh (located in <DBLoader>/scripts/<DBType>/) may be used to export data from LG_MSG_ARCHIVE table. bcgArchive.sh (located in <Hub>/bin/) may be used to copy the files from NONREP folder.
		If used with the DELETE parameter, then the same script will also delete data from the file system and database tables.
22.	T	How do I delete/purge data from file system and database using a single command?
		Use bcgArchive.sh with the DELETE option and specify all modules as NONREP|MSGSTORE|COMMON|PURGEDATA For example, bcgArchive dbuser dbpasswd 20080131 DELETE "NONREP|MSGSTORE|COMMON|PURGEDATA" /my/archive/destination *

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23.	T	How can I increase the performance for copying/deletion of data from the file system? WPG v6.1.1 introduces a new parameter called bcg.archive.maxThreads with default value of 4. This will be used as the maximum limit for threads to be used while archive task (copy or delete of files) is performed. Increase the value up to twice the number of CPUs available. The value for this property may be changed from the Console > System Administration > Common Properties tab.
24.	T	My archive/purge tasks make my database resources to peak. For example, CPU utilization is very high. How do I increase the performance for these? Run the archive tasks during quiet periods like night hours, when the transaction rate is low. Perform the archive/purge task by specifying just the cutoff date. Although files/messages may be filtered based on optional parameters (Partner name, Package name and version, Protocol name and version, Process name and version) - the tasks run faster when these are not used, that is, set to '*'. Make sure that the statistics on the database tables are collected regularly.
25.	T	I get a database error "Transaction log full" during the archive/purge tasks? Two new properties are available for editing in the common properties tab on the WPG console. The user may optimize the values for these. Higher values will provide better throughput during purging of data from database tables, but may lead to "log full" and lock escalation. The values for these properties may be lowered in order to avoid "database log full" event during purging of data. These properties will be applicable to the database purge routines only. bcg.archive.db.rowsPerStatement with default value of 5000. This specifies the maximum number of rows, which will be affected by a delete statement during purge. bcg.archive.db.rowsPerBatch with default value of 100000. This specifies the maximum number of rows, which will be loaded into a temporary work table during purging data from database. This work table is used as the driving table to delete from parent-child tables. It is recommended to have the value of this set to a multiple of bcg.archive.db.rowsPerStatement value.

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26.	T	When would one use the large file support for AS2 and AS3 feature, and what are its benefits? Prior to WPG 6.1.1, AS2 and AS3 support was limited to files of size up to 20 MB for secure documents. There was a requirement to support documents of larger sizes of about 500 MB to 5 GBs. This functionality has been added in WPG 6.1.1. Hence, files of larger sizes can be processed by WPG.
27.	T	When should one use the FIPS compliance feature, and what are its benefits? Prior to WPG 6.1.1, WPG provided support for FIPS approved algorithms, but it provided support for non-FIPS approved algorithms also. From WPG 6.1.1, it is possible to set FIPS mode to true in WPG. When FIPS mode is set to true, only FIPS approved algorithms are used in WPG. Hence, it is possible to run WPG in FIPS only mode. When FIPS mode is set to false, WPG runs in default mode with support for FIPS approved as well as non-FIPS approved algorithms.
28.	T	What are the benefits of "Localizing HTTP Receiver Time Out"? Prior to 6.1.1 release, WPG users did not have different time out value for their various HTTP receivers. In reality, every receiver needs different time out values. To address the real time need, this feature is introduced by which users can have time out value specific to every receiver.
29.	T	What are the benefits of "Multiple Internal Partner"? There are various WPG customer scenarios wherein multiple internal partners are required. This is typically required when different TPA attributes are to be used for different business IDs of internal partner. Example of TPA attributes - different certificate to be used for signature. Let us consider the case where multiple internal partners are required. In one scenario document received from backend application with different business ID need to be signed with different certificates and delivered to same trading partner. We need to have two internal partners for supporting this behavior.
30	T	What is the IBM Education Assistant? The IBM Education Assistant is a resource which integrates narrated presentations, tutorials, and resource links to help customers successfully use IBM software. It allows them to find critical information they are looking for quickly and in a standardized format. Since it is used for many IBM products, it leverages skill developed in

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		solving problems with other IBM software. For more information, please see http://www-306.ibm.com/software/info/education/assistant/.
31	T	What is the IBM Support Assistant? The IBM Support Assistant is a free local software serviceability workbench that helps you resolve questions and problems with IBM software products. It provides quick access to support-related information along with serviceability tools for problem determination. For more information, please see http://www-306.ibm.com/software/support/isa/.
32	T	How does one migrate from earlier versions (WBIC 4.2 or WPG 6.1 or WPG 6.0) to WPG 6.1.1? WPG 6.1.1 comes with migration utilities that allow the customer to migrate from WBIC 4.2 or WPG 6.1 to WPG 6.1.1. Just follow the steps provided in the Installation Guide. All the configuration artifacts, such as trading partners, capabilities, connections, etc. will be migrated.
33	T	Can one concurrently operate both WPG 6.0 and WPG 6.1 on the same machine? Yes, from a technical perspective, both WPG 6.0 and WPG 6.1 can coexist on the same machine.
34	T	When migrating from WPG 6.0 to WPG 6.1, does one have to re-compile the maps created using the DIS Client? No, it is not necessary to recompile the maps. The transformation engine in WPG 6.1 is backward compatible with the transformation engine in WPG 6.0.
35	T	How would one back-out WPG 6.1.1 and resume using WPG 6.1? Restore the WPG 6.1 database using the backup you created just before migrating to WPG 6.1.1. Reinstall WPG 6.1. Apply any fixpacks that you were using. Configure WPG 6.1 to use the restored database.
36	T	How does one integrate WPG 6.1 with WDI or WTX? Please see instructions for integrating WPG 6.1 with WDI and WTX. It is included in the WebSphere Business Integration Information Center under the Partner Gateway Enterprise and Advanced Editions > Configuring and Customizing > Enterprise Integration Guide topic. WPG may be integrated with WDI using a JMS/WMQ Series queue, and

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		WPG may be integrated with WTX using a User Exit or using WTX Extender for Message Broker.
37	T	How does one integrate WPG 6.1.1 with WMB? Instructions for integrating WPG 6.1.1 with WMB are included in the WebSphere Business Integration Information Center under the Partner Gateway Enterprise and Advanced Editions > Configuring and Customizing > Enterprise Integration Guide topic. Typically, the integration is based upon 2 or more WMQ queues.
38	T	How does one integrate WPG with IBM Tivoli Monitor or WebSphere Business Monitor? WPG can generate Common Base Events (CBE), which may be collected, processed and viewed in monitoring applications such as the IBM Tivoli Monitor or WebSphere Business Monitor. Please see http://www-306.ibm.com/software/tivoli/features/cei/ for more information on Common Base Events (CBE) and Common Event Infrastructure (CEI).
39	T	Is WPG 6.1.1 an Eclipse-based product? Eclipse is a rich graphical development environment that is used extensively in IBM build-time tooling. The build-time tooling of WPG is not graphical and does not require the power of a rich graphical environment. Therefore it has been implemented as web browser application for the convenience of the user. Web browser applications are light weight and do not have to be installed, which allows them to be accessed from anywhere a browser is available. Versioning and maintenance is not a problem either, because all users run the same version which resides on the server, rather than what is installed on their desktop computer. IBM may in the future decide to re-implement the build-time component of WPG as an Eclipse plug-in if it becomes apparent that there are advantages to the customer in doing so.
40	T	How does WPG fit into my SOA? WPG can participate in, and fully support, a SOA implementation. WPG supports Web Services and can function in a SOA by integrating with WebSphere Enterprise Service Bus (WESB) or with WebSphere Message Broker (WMB). In addition, WPG integrates with WebSphere Process Server (WPS) within the context of enterprise business process management. Instructions for using WPG 6.1.1 with WPS are included in the WebSphere Business Integration Information Center under the Partner Gateway Enterprise and Advanced Editions > Configuring and Customizing > Enterprise Integration Guide > Integrating With

ID	Type	Question
		WebSphere Process Server topic.
42	T	Whom can I contact for if I have additional technical questions?
		Please feel free to contact Support. Contact information for Support is included in the answer to Question 4.