



IBM Software Group

WebSphere Partner Gateway V6.2

Feature overview



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Welcome to the WebSphere® Partner Gateway V6.2 feature overview presentation.

Agenda

- New features in this release
- Performance improvements
- Summary



In this session you will have a high level overview of new features included in this release. Performance improvements included in this release will also be discussed.

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Section

New in this release



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The next section highlights the new features of this release.

Integration with WebSphere Transformation Extender

- Out of the box integration with WebSphere Transformation Extender
- Uses the WebSphere Partner Gateway extensibility framework
- EDI interchange validation: action does the validation of the EDI interchange
- WTX transformation: this action provides the transformation functionality
- EDI ReEnveloper : this action de-envelopes the EDI interchange and envelopes each individual transaction with the parent envelope headers

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This release has come with quite a few features that has enhanced the functionality and performance of WebSphere Partner Gateway.

There is complete integration with WebSphere Transformation Extender unlike previous release where it was just a sample. This feature uses a user exit framework provided by WebSphere Partner Gateway to integrate with the Transformation Extender. WebSphere Transformation Extender can be running either locally or on a remote machine.

Along with this, there are three new actions included in the variable workflow; the first one being EDI Interchange Validation. Validation of EDI messages was made possible earlier only when the EDI message was de-enveloped. Now, with this new action, you can validate the entire EDI interchange without having to de-envelope it. Functional acknowledgements can also be generated.

The next action is WTX Transformation, which provides the ability to transform messages synchronously in WebSphere Transformation Extender. This can either be locally available or remotely accessible using the RMI protocol.

Another action that is introduced is EDI re-enveloper. For certain maps, the input is expected to be a EDI interchange than a EDI transaction. In such cases, once the EDI is de-enveloped, the transactions have to be re-enveloped back before invoking the WTX Transform action. Hence, in this case, service segments are built based on the values present in the input document.

Secure file transfer protocol (SFTP) support

- Support for using SFTP (SSH-FTP) as the protocol to transfer business documents
- The SFTP receiver and destination components makes use of the SFTP adapter to retrieve/post files from/to the SFTP server
- Multiple authentication mechanisms, such as
 - ▶ User name and password authentication
 - ▶ Private key authentication

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Another new feature is the support for file transfer using Secure File Transfer Protocol (SFTP). Business documents can now be sent or received over secure file transfer protocol. Both the SFTP receiver and designation use the WebSphere SFTP adapter to receive or post files. This uses WebSphere adapter for providing SFTP protocol support.

Also, there are multiple modes of authentication that is supported by WebSphere Partner Gateway. Using user name and password alternatively, you can use a private key based authentication to the server.

Smart migration

- Option of automatically migrating (upgrading) to the existing WebSphere Partner Gateway version by eliminating any manual effort associated with the upgrade
- Database and hub migration supported
- WebSphere Partner Gateway V6.0 to V6.2
- WebSphere Partner Gateway V6.1 to V6.2

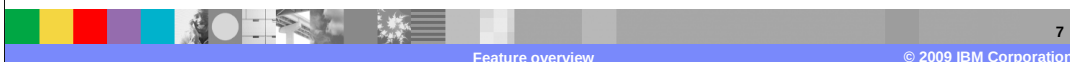


Migrating from previous releases of WebSphere Partner Gateway to the new version is now simpler by using the smart migration feature. Earlier, to migrate to the latest version, you had to run a set of scripts manually, along with un-installation and reinstallation of the server. All these are now automated in this release. Installer will recognize the existing version and issue the necessary scripts to migrate the database and the server.

This feature can be used to migrate from WebSphere Partner Gateway V6.0 or V6.1 to V6.2.

Console based archiver with scheduler

- View, modify or schedule the archiver task
- View, add or modify the archiver criteria
- View the status of the archiver task through the archiver report screen
- Restore archived data through the archiver restore screen
- Search and view restored documents through the search functionality



WebSphere Partner Gateway provides an option to schedule archiving process using the WebSphere Partner Gateway administration console. You can now create an archiver task, which can be scheduled to run during specific hours of the day, week or month.

Also, you can setup an archive criteria to be used for archiving; for example data retention period. This specifies the number of days of data that you want to retain in the system. Data older than the specified value will be archived from the database and purged.

Detailed report on the archive schedule, status, and so on is available.

The archived data can be restored back in case users need to search through archived data. There is a new search functionality provided to search data that was restored.

Export and import configuration and first steps

- Export and import configuration
 - ▶ Entire configuration information from WebSphere partner gateway has been enhanced further in V6.2 to allow export and import of the all the configuration
 - ▶ LDAP authentication support
 - ▶ Migration of configuration information from V6.1.0 to V6.2 and V6.1.1 to V6.2 is now possible with this utility
- First steps
 - ▶ Ability to start and stop WebSphere partner gateway servers
 - ▶ Run install verification test
 - ▶ Navigate to WebSphere partner gateway library
 - ▶ Navigate to WebSphere partner gateway support site

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You can now export the complete configuration information from WebSphere Partner Gateway and import it to another system. This can be extremely useful when the configuration data has to be moved between test and production environments.

In the previous versions of WebSphere Partner Gateway, not all information could be exported, for example certificates. This enforced a manual step of re-installing and re-configuring this information again in the production environment. Now with this new feature, you can export the complete configuration and import it. However, EDI maps have to be re-imported manually.

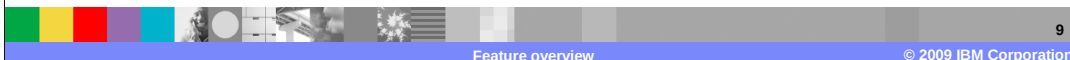
You can also export information from previous versions of WebSphere Partner Gateway and import them into version V6.2.

Along with export, import functionality, WebSphere Partner Gateway has improved first steps feature. You can now start and stop WebSphere Partner Gateway server using the first steps. The install verification tests help you to validate the correctness of the installation, for both application database and WebSphere Partner Gateway servers.

Along with this, you can launch the WebSphere Partner Gateway library from the first steps page and navigate to the support site directly from this page.

CPP/CPA editor for ebMS

- Eclipse plug-in that assists in creating CPP/CPA document from a template and allows you to edit using the table format
- Handles data and schema validation
- Reduce the partner on-boarding time



WebSphere Partner Gateway V6.2 has CPP and CPA editor for ebMS protocol.

For partners to communicate using ebMS protocol, they are required to setup a CPP/CPA. This document has information about the trading partners and can be used for configuring WebSphere Partner Gateway. Importing a CPP/CPA will automatically create all the necessary configuration for the trading partners in WebSphere Partner Gateway. For example, partners, destinations, interactions, and so on can be created directly by importing a CPP/CPA.

This release contains an eclipse based tool that allows you to create or edit a CPP/CPA. There is a default template provided which can be used to build the CPP / CPA documents. It can also perform data and schema validation of the document. This will significantly reduce the time for creating the configuration document and will reduce the time taken to on-board a trading partner.

Install verification test

- Functionality to ensure the WebSphere Partner Gateway installation is successful
- Application and messaging database installation
- Deployment manager and hub installation
- FTP server installation

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Install verification testing enables you to verify the successful installation of WebSphere Partner Gateway. This tool evaluates the correctness of application database and the deployment manager or hub installation. The FTP server installation can also be verified.

This tool performs a series of checks on the application or messaging database, and tests the Partner Gateway servers to make sure they are installed and configured as expected. If any errors are found, they are stored in a log file in the local file systems.

Links to error messages

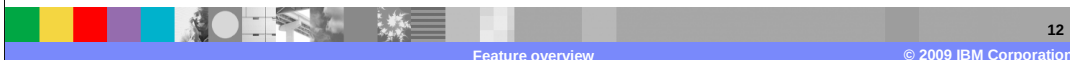
- Links to error messages from WebSphere Partner Gateway console
- Access to the detailed information on that particular error



When you encounter an error in the application, you can now view the cause of the error along with the corrective actions available. Each error in WebSphere Partner Gateway is hyper linked to access the help page. The help page outlines the possible cause of the error and the corrective action that can be taken to resolve the error.

Relocation and redeployment and ISA V4 support

- Relocation and redeployment support
 - ▶ Option to automatically update the system configuration files
 - ▶ Support for the IP address, host name, data source details, or port number of a server component or deployment manager changes
- ISA V4 support
 - ▶ ISA V4 helps you to collect and send required logging information when trouble shooting problems
 - ▶ Single point of access for all troubleshooting and resolution tool



WebSphere Partner Gateway V6.2 provides support for relocation and redeployment configuration changes. Information like host name, address or database information is stored as part of configuration information in WebSphere Application Server. Earlier, if there was a change in the configuration information, there were no easy means to change these setting post WebSphere Partner Gateway installation. Now, you can use scripts provided in Partner Gateway to change host name, address, data source details, post installation.

WebSphere Partner Gateway also provides ISA V4 support. This is a tool that you can use to collect the required information that IBM support will need to troubleshoot errors.

Federation into existing WebSphere Application Server cell and prompt to restart

- Federation into an existing WebSphere Application Server Network Deployment cell
 - ▶ Support for installing WebSphere Partner Gateway on the existing WebSphere Application Server Network Deployment Cell.
- Prompt to Restart WebSphere Partner Gateway
 - ▶ Prompt user to restart the particular server if required

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Federating into a existing WebSphere Application Server cell option allows you to install WebSphere Partner Gateway into an existing application server cell. The previous version always created a new cell called BCGCELL and installed WebSphere Partner Gateway servers on that cell. Now, you can choose to install on a existing cell.

You will be prompted to restart specific WebSphere Partner Gateway servers if any changed settings requires restart.

Performance improvements

- Improved performance for the archiver
 - ▶ Supports large volume of data
 - ▶ Time taken for archiving is significantly reduced
- Improved document throughput for AS
 - ▶ Document throughput rate for AS protocol processing has significantly improved compared to the prior releases
- Improved processing time for large files
 - ▶ Processing time for large files in AS protocol has improved



Here are some performance improvements done in this release.

Archiver performance has been considerably improved since previous releases. You can now handle a really large volume of data in the application database and the common file system used by WebSphere Partner Gateway. Also, the time taken for archiving such large volume of data is relatively very low compared to the prior releases.

Another improvement is the document throughput rate in AS protocol processing. The processing time for a large document transferred using AS protocol has been reduced considerably in this release.

Section

Summary

The next section will summarize this presentation.

Summary

- Integration with transformation extender
- Secure file transfer protocol support
- Smart migration
- Console based archiver with scheduler
- Export / import configuration
- First steps
- CPP / CPA editor
- Install verification testing
- Links to error messages
- Relocation and redeployment and ISA V4 support
- Federating into existing WebSphere Application Server cell and prompt to restart
- Performance improvements
 - ▶ Archiver
 - ▶ AS throughput and processing time

This slide lists all the new features discussed in this presentation.

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