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# IBM WebSphere Partner Gateway V6.1

## *System administration*



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This presentation provides an overview of the changes to the system administration properties that used to be in property files.

## Agenda

- New system administration attributes feature
- Understand the differences from WebSphere Partner Gateway V6.1 and earlier releases
- Problem determination
- Summary and references



The agenda for the presentation is listed on this slide

## Section

# *System administration*



The next section covers the System Administration changes.

## System administration

- Receiver, Doc Manager and Console components properties moved from files to Community console under System Administration menu
  - ▶ `bcg_receiver.properties`, `bcg_console.properties`, and `bcg_router.properties`
  - ▶ EDI sub-components
    - `ediparms.properties`
    - `ediconfig.properties` – Now part of `EDIComponents.jar`.
- Attribute values can be edited. Changing a value will automatically update the runtime.
- Organized by Common, Console, DocMgr, Feature and Receiver



Individual component properties for the receiver, console and router are moved from the property files to the WebSphere Partner Gateway community console System Administration tab. The property files no longer exist. In releases before V6.1, any changes to attribute values in the property file required WebSphere Application Server to be restarted but now the change is automatically propagated and a restart is not necessary. If a WebSphere Partner Gateway instance needs a different attribute value than that configured in the Console then a WebSphere Application Server environment variable can be used.

# System administration – Community console

Account Admin | Viewers | Tools | Hub Admin | RosettaNet Partner Simulator | **System Administration** | Wizards

Common Properties | Console Administration | DocMgr Administration | Feature Administration | Receiver Administration

Language

## Common Attributes



bcg.ldap.containerauth	False
bcg.ldap.jaaslogin	WSLogin
bcg.receiver.persistpath	C:/IBM/bcghub-simple/common/router_in/
bcg.receiver.sync.persistpath	C:/IBM/bcghub-simple/common/sync_in
bcg.receiver.signal.persistpath	C:/IBM/bcghub-simple/common/signal_in
bcg.vms_inbound_directory.main	C:/IBM/bcghub-simple/common/router_in
bcg.bpe_temp_directory.main	C:/IBM/bcghub-simple/common/data
bcg.vms_inbound_directory.signal	C:/IBM/bcghub-simple/common/signal_in
bcg.bpe_temp_directory.signal	C:/IBM/bcghub-simple/common/data
bcg.vms_inbound_directory.synchronous	C:/IBM/bcghub-simple/common/sync_in
bcg.bpe_temp_directory.synchronous	C:/IBM/bcghub-simple/common/data
bcg.scheduler_initial_pool_size	10
bcg.scheduler_max_pool_size	50
bcg.global.common.introduce.document.transport	JMS
bcg.global.common.introduce.document.transport.unavailable.timeout	60000



This is a screen capture showing the organization under the System Administration tab. Under the System Administration the attributes are organized by functionality and components.

## DocMgr Administration component attributes

Account Admin | Viewers | Tools | Hub Admin | RosettaNet Partner Simulator | **System Administration** | Wizards

Common Properties | Console Administration | **DocMgr Administration** | Feature Administration | Receiver Administration

**Alert Engine** | AS State Engine | BPE-DAE | Delivery Manager | Event Engine | JMS | Packaging | RosettaNet | Process Admin | Security | Others

Language

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### Alert Engine Attributes

bcg.alertQReceiver.maxRetries	100
bcg.alertQReceiver.retryInterval	60000
bcg.volumeAlertScheduler.allowanceForProcessingReceivedDocInMins	10
bcg.alertNotifications.maxNotificationsInInterval	10
bcg.alertNotifications.maxNotificationIntervalInMins	30
bcg.alertNotifications.minNotificationQuietIntervalInMins	30
bcg.alertNotifications.heldAlertsBatchTimeInMins	30
bcg.alertNotifications.mailHost	unknown
bcg.alertNotifications.mailFrom	unknown@unknown.com
bcg.alertNotifications.mailReplyTo	unknown@unknown.com
bcg.alertNotifications.mailEnvelopeFrom	unknown@unknown.com
bcg.alert.eventGenerator.schedule	13 1 CertificateExpiration
bcg.VolumeAlertScheduler.scheduleTime	10
bcg.BatchAlertScheduler.scheduleTime	10
bcg.NotificationAlertScheduler.scheduleTime	10

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Depending on the component there may be more than one sub level of tabs. This is an example of the organization under the DocMgr Administration tab.

## Removed attributes

- Log4j tracing – Tracing is now configured using WebSphere Application Server administrative console.
- Partner Interface Process (PIP) Queries (bcg.pip.\*) – Now part of PIP packages.
- bcg.docmgr.channelCache.expiry – Partner Connection caching is now event based.
- Non-repudiation bcg.nonrep.inbound-doc and bcg.nonrep.outbound-doc – Now configured on the Document Definition.
- Unused attributes
- ediconfig.properties – These are now embedded in the EDIComponents.jar file and do not need to be changed.
- See references section for a listing of removed attributes.

In WebSphere Partner Gateway V6.1 some attributes have been removed because they no longer apply, typically because new features have replaced them or they are no longer used.

“Log4j tracing” is removed since tracing is now configured in the WebSphere Application Server administrative console. “PIP Queries (bcg.pip.\*)” are now part of Partner Interface Process (PIP) packages. “bcg.docmgr.channelCache.expiry” is removed since Partner Connection caching is now event based. Non-repudiation properties such as “bcg.nonrep.inbound-doc” and “bcg.nonrep.outbound-doc” are configured on the Document Definition. “ediconfig.properties” are now embedded in the EDIComponents.jar file and do not need to be changed.

See references section for a listing of other removed attributes.

## New attributes

### ■ Common

- ▶ `bcg.Idap.containerauth` – Indicates if WebSphere Application Server container authentication for user ID and password is being used.
- ▶ `bcg.global.common.introduce.document.transport` – Indicates if the receiver uses the Business Processing Engine (BPE) JMS queue or Document Acquisition Engine(DAE) file system

### ■ Console

- ▶ `bcg.console.file.encodings` – Used by the Document Viewer > Raw document view for the drop down list of encoding choices. Allows for new encodings to be added without modifications to the code.

This slide describes some of the new attributes added in V6.1.

“`bcg.Idap.containerauth`” is used for specifying the use of WebSphere Application Server container based authentication or the WebSphere Partner Gateway database authentication.

“`bcg.global.common.introduce.document.transport`” property is used to specify if the receiver uses the Document Acquisition Engine(DAE) directory for the Business Document Object (BDO). In WebSphere Partner Gateway V6.1 the behavior of the receiver has been changed. Previously the receiver would receive a document and write the document into the DAE “router\_in” directory. DAE would create a BDO and write the BDO to the Business Processing Engine (BPE) queue, and then write the document to the `\common\data\Inbound\process` directory. In V6.1, the receiver creates the BDO, writes the BDO to the BPE queue and then writes the document to the `\common\data\Inbound\process` directory. The DAE is only used when the JMS Queue is not accessible. If this attribute is set to `FileSystem`, the BDO is written to the DAE “router\_in” directory. Note that the document is still written to the `\common\data\Inbound\process` directory.

WebSphere Partner Gateway V6.0 had a limited choice of encodings for viewing documents in the Raw Document viewer. This list was hard coded and could not be changed. WebSphere Partner Gateway V6.1 added a few more encodings and you can configure them. “`bcg.console.file.encodings`” property is used for this purpose. The values for this property are Internet Assigned Numbers Authority(IANA) values and can be obtained from <http://www.iana.org/assignments/character-sets>.



## Changing an attribute value for a WebSphere Partner Gateway instance

There may be occasions to vary an attribute value for a WebSphere Partner Gateway instance

1. Open your WebSphere Application Server administrative console.
2. Navigate to Environment > WebSphere Variables.
3. From the drop-down menu, select the node and server for which you are adding the variable.
4. Click New.
5. Type the name of property as it appears on the WebSphere Partner Gateway System administration page and set its value.
6. Click OK.
7. Save the master configurations.
8. Restart the server to pick up the change.



Simple distributed or full distributed mode installation of WebSphere Partner Gateway can have several instances of WebSphere Partner Gateway on the same or different machines. You can centrally manage all the instances using the WebSphere Partner Gateway console application. You can navigate to Console > System Administration to get a list of all the configurable components and attributes. All these attributes are global to all WebSphere Partner Gateway instances. You can be override the attributes at instance level by making use of the WebSphere administrative console. This is done by creating an environment variable on that instance with the same name as the attribute in the WebSphere Partner Gateway Console. This slide gives an overview of the steps involved. Log in to the WebSphere Application Server administrative console and navigate to Environment > WebSphere Variables. From the drop-down menu, select the node and server for which you are adding the variable. Create a new variable and provide the name of property as it appears on the WebSphere Partner Gateway System administration page and set its value. Restart the server to pick up the change. The value that you specify for the variable at the server level will override the properties specified globally in the WebSphere Partner Gateway console.

# WebSphere Application Server environment variable

Integrated Solutions Console Welcome

View: All tasks

- Welcome
- Guided Activities
- Servers
- Applications
- Resources
- Security
- Environment
  - Virtual Hosts
  - Update global Web server plug-in configuration
  - WebSphere Variables
  - Shared Libraries
  - Replication domains
- Naming
- System administration
  - Users and Groups
  - Monitoring and Tuning
  - Troubleshooting
  - Service integration
  - UDDI

WebSphere Variables

WebSphere Variables

Use this page to define substitution variables. Variables are defined at a specific level of indirection scope level, which is either server, node, cluster, or cell. Values at one scope level can override values at greater granular scope levels. Therefore, server variables override node variables, node variables override cluster variables, and cluster variables override cell variables.

Scope: Cell=**wpgCell**, Node=**bcgnode\_localhost**, Server=**server1**

Scope specifies the level at which the resource definition is visible. For detailed [help](#)

Node=**bcgnode\_localhost**, Server=**server1**

Preferences

Select	Name	Value
<input type="checkbox"/>	<a href="#">DB2UNIVERSAL JDBC DRIVER_PATH</a>	C:\Program Files\IBM\wasND\Profiles\bcgprofile1\bin\bcghub-...
<input type="checkbox"/>	<a href="#">SERVER_LOG_ROOT</a>	\${LOG_ROOT}/server1
<input type="checkbox"/>	<a href="#">WAS_SERVER_NAME</a>	server1
<input type="checkbox"/>	<a href="#">bcg_bpe_temp_directory_main</a>	C:/IBM/Examples/common/data

Simple mode server selection

Example variable added

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This slide shows the screen capture of the administrative console screen where you can create the environment variables.

## Section

# ***Problem Determination***



The next section covers problem determination.

## Problems determination

- After an upgrade to WebSphere Partner Gateway V6.1 the attribute values do not reflect the values that had been modified in the previous WebSphere Partner Gateway version property files.
  - ▶ Check if the property files were migrated properly. Refer to <http://publib.boulder.ibm.com/infocenter/dmndhelp/v6rxmx/topic/com.ibm.wpg.entadv.doc/install/wpginmst82.htm#wq295>
- After upgrade to WebSphere Partner Gateway V6.1 the attribute values do not reflect the values that had been modified for one of the WebSphere Partner Gateway instances.
  - ▶ If one of the previous instances had property values different than the other instances then that instance will have to have the WebSphere Application Server environment variables added.
    - Note: This only applies for the specific attributes that are different from the WebSphere Partner Gateway Console System Administration.
- Added a WebSphere Application Server environment variable but the change did not take.
  - ▶ ensure the changes were saved to the master configuration.
  - ▶ ensure the server is restarted.

When you upgrade to WebSphere Partner Gateway V6.1 make sure that you migrate the property files properly. If the property files are not migrated, you will notice that the attribute values that were specified in the previous version are not reflected in the upgraded instance. Refer to the information center link provided in the slide for more information on how to migrate the property files.

When a WebSphere Partner Gateway instance has values different than other instances that you upgraded to V6.1, you have to manually add environment variables in the WebSphere Administrative Console and provide the right values.

If you add or modify the value of an existing WebSphere Application Server environment variable, you need to restart the server for the changes to take effect.

## Section

# ***Summary and References***

The next section covers the summary and references.

## Summary

- Receiver, Doc Mgr and Console component properties moved to the community console System Administration menu
  - ▶ Property files removed in V6.1
  
- Administrator Guide section
  - ▶ Appendix C. Component-specific system attributes

The presentation covered the changes made to the system administration properties in V6.1. Properties of components of the WebSphere Partner Gateway are now available to configure from the community console instead of a property file. In the WebSphere Partner Gateway Administrator Guide, Appendix C contains descriptions of the system attributes. The next few slides provide a list of attributes that were removed in V6.1

## Section

# ***Reference - removed attributes***

This section lists the attributes that have been removed in V6.1

## Console attributes

Property Name	Description
bcg.use_container_logging	
bcg.co.db.DBType	Database type 'db2' or 'oracle'.
bcg.use_oaq	
bcg.jms.connect_pool_elements	Used by JMS Sender for no of connection Object Pool (property is not used anymore)
ibm.bcg.appserver.mgmt.ctx.instance policy	Hardcode in console code, don't store in DB, and don't show on console
ibm.bcg.appserver.ejbEnabled	Hardcode in console code, don't store in DB, and don't show on console
console.environment	DR Mode Indicator property (property is not used anymore)
ibm.bcg.db.product	Set to either db2 or oracle. Derive this from the connection.
ibm.bcg.ftp.host	FTP Host Address - Unused
ibm.bcg.ftp.script.argDelimiter	FTP Script Argument Delimiter - Unused
ibm.bcg.ftp.docDir	FTP Document Directory Name - Unused
ibm.bcg.ftp.binDir	FTP Binary Directory Name - Unused
ibm.bcg.ftp.script.ftpAcct.create	FTP Script to create an FTP account - Unused
ibm.bcg.ftp.script.ftpAcct.update	FTP Script to modify an FTP account - Unused
ibm.bcg.ftp.script.ftpAcct.disable	FTP Script to disable an FTP account - Unused
ibm.bcg.ftp.script.ftpAcct.enable	FTP Script to enable an FTP account - Unused
ibm.bcg.ftp.script.createDirs	FTP Script to create an FTP directories - Unused

This slide lists the console attributes that have been removed.



## Document manager attributes

Property Name	Description
bcg.use.container_logging	
bcg.co.db.DBType	Database type 'db2' or 'oracle'.
bcg.duns	Third party DUNS
bcg.use_oaq	
#bcg.jms.user	
#bcg.jms.passwd	
bcg.bpe_thread_count.main	
bcg.inbound_files_per_pass.main	This is already added into System Admin page
bcg.bpe_thread_count.signal	
bcg.bpe_thread_count.signal	
bcg.inbound_files_per_pass.signal	This already added into System Admin page
bcg.inbound_files_per_pass.synchronous	This already added into System Admin page
bcg.bpe_thread_count.synchronous	
bcg.logReceiver.initialNumberOfReceivers=4	
bcg.nonrep.inbound-doc	
bcg.nonrep.outbound-doc	
bcg.alertQReceiver.initialNumberOfReceivers	
bcg.eventAlertQReceiver.initialNumberOfReceivers	
bcg.syncdeliveryQReceiver.initialNumberOfReceivers	
bcg.deliveryQReceiver.initialNumberOfReceivers	
bcg.deliveryQReceiver.jmsLog	This property is not used. By default it is commented out. Used for Oracle Queue.
bcg.ITLM.Jar=\${ITLM_DIR}/\${ITLMToolkit}.jar	
bcg.log.Jar=\${ITLM_DIR}/jlog.jar	
bcg.pip.*	All of the bcg.pip.* attributes are now part of the PIP packages
bcg.nonrep.inbound-doc	To enable non-repudiation for incoming documents
bcg.nonrep.outbound-doc	To enable non-repudiation for outgoing documents

Here is a listing of the document manager attributes that have been removed.

## Logging attributes

Property Name	Description
log4j.rootCategory	error, stdout, RollingFile
log4j.appender.stdout	org.apache.log4j.ConsoleAppender
log4j.appender.stdout.layout	org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern	%d[date] %-5p [%c{1}] [%t] - %m%n
log4j.appender.RollingFile	org.apache.log4j.RollingFileAppender
log4j.appender.RollingFile.layout	org.apache.log4j.PatternLayout
log4j.appender.RollingFile.layout.ConversionPattern	%d[date] %-5p [%c{1}] [%t] - %m%n
log4j.appender.RollingFile.File	\$console_location\$/logs/bcgconsole/bcg_console.log
log4j.appender.RollingFile.MaxFileSize	1000KB
log4j.appender.RollingFile.MaxBackupIndex	5
ibm.bcg.appserver.loggerClass	com.ibm.bcg.shared.logging.Log4JLogger

All of the logging attributes have been removed because tracing and logging is now configured using the WebSphere Application Server administrative console.

## Receiver and DocMgr attributes

Property	Description
bcg_hdrdef.OriginalFileName	To Get the Original File Name
bcg_hdrdef.fromID	
bcg_hdrdef.toID	
bcg_hdrdef.protocol	
bcg_hdrdef.protocolVersion	
bcg_hdrdef.process	
bcg_hdrdef.processVersion	
bcg_hdrdef.contentType	
bcg_hdrdef.systemMsgId	
bcg_hdrdef.RNResponseType	
bcg_hdrdef.RNVersion	
bcg_hdrdef.productionFlag	
bcg_hdrdef.provSessionId	
bcg_hdrdef.processInstanceId	
bcg_hdrdef.contentLength	
bcg_hdrdef.as2From	
bcg_hdrdef.as2To	
bcg_hdrdef.as2Version	
bcg_hdrdef.mimeVersion	
bcg_hdrdef.messageId	
bcg_hdrdef.date	
bcg_hdrdef.from	
bcg_hdrdef.subject	
bcg_hdrdef.contentTransferEncoding	
bcg_hdrdef.contentDisposition	
bcg_hdrdef.dispositionNotificationTo	
bcg_hdrdef.dispositionNotificationOptions	
bcg_hdrdef.receiptDeliveryOption	
bcg_hdrdef.toPackagingName	
bcg_hdrdef.asDocType	
bcg_hdrdef.recipientAddress	
bcg_hdrdef.authorization	
bcg_hdrdef.soapAction	

This slide lists the receiver attributes that have been removed.

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