



IBM Software Group

# IBM WebSphere Partner Gateway V6.1

## *Logging and tracing support*



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This presentation provides an overview of the logging and tracing support provided in WebSphere® Partner Gateway V6.1

## Goals

- Provides high level overview of logging and tracing support provided in WebSphere Partner Gateway V6.1



The goal of the presentations to provide you with a brief overview of the logging and tracing support and how to enable and configure log and trace files.

## Agenda

- Overview
- Log files
- Configure and manage log files
- Trace files
- Setting log and trace message detail levels
- Summary and references



This slide shows the agenda of the presentation

## Section

# Overview

The next section provides a brief overview of the logging and tracing support provided in WebSphere Partner Gateway V6.1

## Overview

- WebSphere Partner Gateway V6.1 uses the logging API supported by WebSphere Application Server instead of Log4J API (as used in V6.0)
- Benefits
  - ▶ Log formats supported by WebSphere Application Server
  - ▶ Support for Common Base Events format through the use of Logging API supported by WebSphere Application Server
  - ▶ Event correlation can be done using WebSphere software
  - ▶ User exits can use Java™ Logging API
  - ▶ WebSphere Application Server administrative console can be used for configuring the log level for user exit code
- Logging and tracing configuration is done using the WebSphere Application Server administration tools (Administrative console or “wsadmin” scripts)

WebSphere Partner Gateway V6.1 makes use of the logging API supported by WebSphere Application Server instead of using the Log4j API that WebSphere Partner Gateway V6.0 used.

The benefits of this include the support for all log formats supported by WebSphere Application Server. support for generating common base events, event correlation and the ability to enable log levels for user exits. WebSphere Application Server provides the administrative console and wsadmin scripting to configure logging and tracing.

## Section

# *Log files*

This section will cover the log files in general.

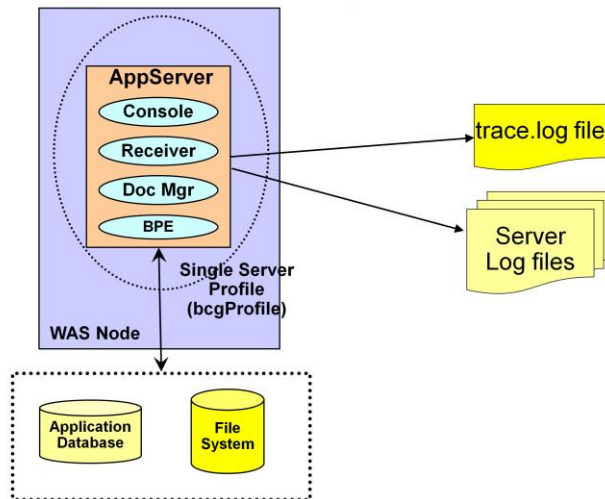
## Installation log files location

Components	Temp (during install) log files location
DBLoader	<System-temp>\bcgloader\logs For Windows, system temp is C:\Documents and Settings\ <user>\Local Settings\Temp\</user>
WebSphere Partner Gateway Hub (Console, Receiver, Document Manager) and Messaging Application Server	<System-temp>\bcghub\logs
Hub	Final log files location
All servers and all install activities during install (like adding Node, creating profile)	<WPG_INSTALL DIR>\logs\
Common	<WPG_INSTALL DIR>\logs\All
Console	<WPG_INSTALL DIR>\logs\bcgconsole
Receiver	<WPG_INSTALL DIR>\logs\bcgreceiver
Document Manager	<WPG_INSTALL DIR>\logs\bcgdocmgr
Messaging Application Server	<WPG_INSTALL DIR>\logs\bcgmas
Deployment Manager	<WPG_INSTALL DIR>\logs\dmgr
Messaging Artifacts	<WPG_INSTALL DIR>\logs\wpm



The table specifies the installation log file locations. These are files generated during the installation. These are separate from the runtime log files when the WebSphere Partner Gateway servers are started. If the install fails, look at the temporary files in addition to the final installation files. Sometimes the problem may be logged in the temporary file since they are created before the final log files. The log is appended to the files rather than creating new files on every installation. The application and messaging database installation log files are available only in the temporary location. These files are not copied to any final directory.

## Runtime log files – Simple mode



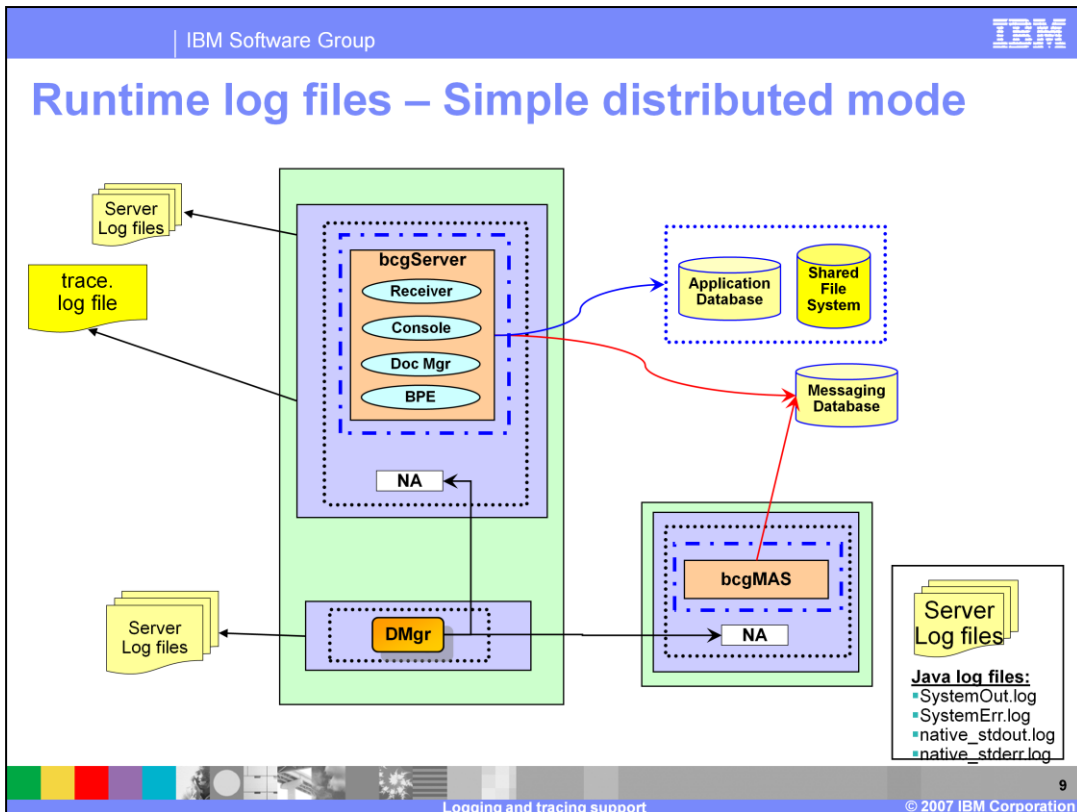
- Server log files are generated by the Application Server running the Console, Receiver and Router Applications

### Java log files:

- SystemOut.log
- SystemErr.log
- native\_stdout.log
- native\_stderr.log

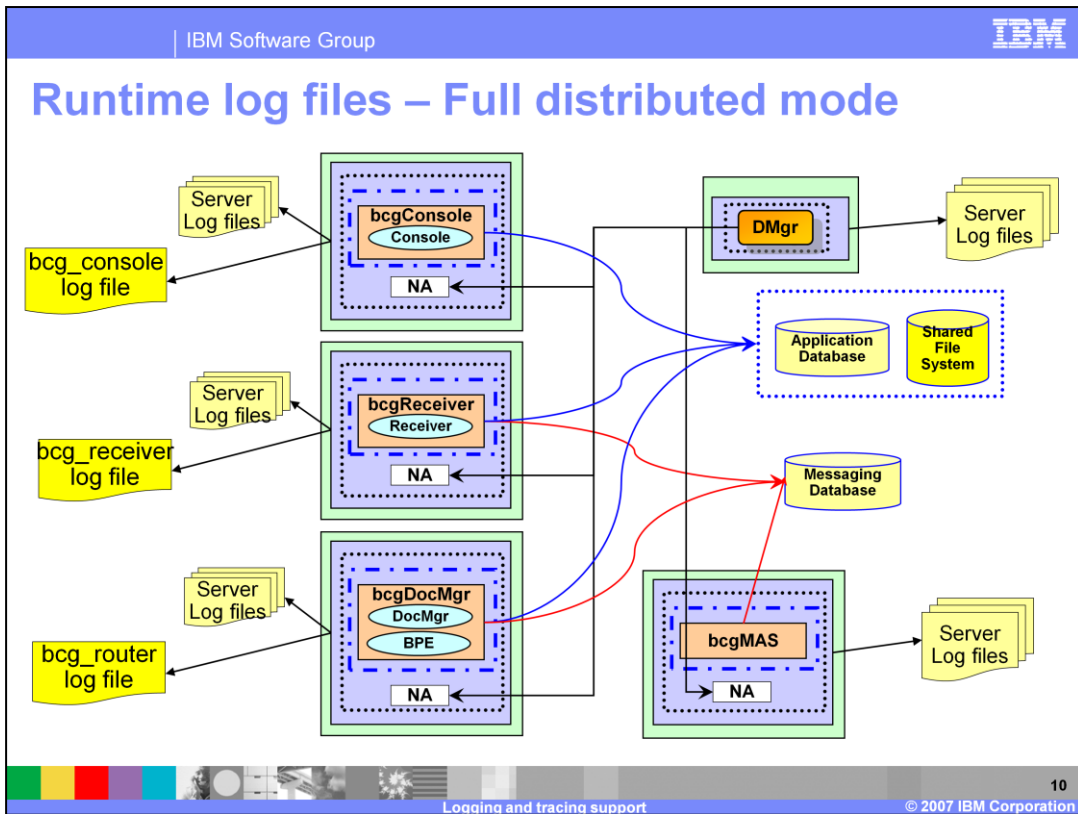
The various runtime log files generated by WebSphere Partner Gateway server Simple mode are shown here. As you can see in the graphic, in a simple distributed mode, you have one single server hosting all the WebSphere Partner Gateway components (Console, Receiver and Document manager). All the components write to the Server log files which are the Systemout.log and Systemerr.log files. Also shown is the trace.log file used when tracing is enabled.





The various runtime log files generated by WebSphere Partner Gateway server Simple distributed Mode are shown here.

As you can see in the graphic, in a Simple distributed mode, you have a server hosting all of the WebSphere Partner Gateway components (Console, Receiver and Document manager). All components write to the “Server Log files” which are the Systemout.log and Systemerr.log files. Also shown is the trace file used when tracing is enabled for each component. The deployment manager and the messaging servers have their own set of “Server Log files”.



The various runtime log files generated by WebSphere Partner Gateway server Full distributed Mode are shown here.

Shown in the graphic is one variation of a Full distributed mode installation, you have one single server host one of the WebSphere Partner Gateway components (Console, Receiver and Document manager). Each component writes to its own Server log files which are the Systemout.log and Systemerr.log files. Also shown are the trace files used when tracing is enabled for each component on their corresponding servers. The deployment manager and the messaging servers have their own set of “Server Log files” .

## Runtime log files location

- WebSphere Partner Gateway V6.0
  - ▶ For Console:
    - `{WPG_INSTALL_DIR}\was\profiles\bcgconsole\logs\bcgconsole`
  - ▶ For Document Manager:
    - `{WPG_INSTALL_DIR}\was\profiles\bcgdocmgr\logs\bcgdocmgr`
  - ▶ For Receiver:
    - `{WPG_INSTALL_DIR}\was\profiles\bcgreceiver\logs\bcgreceiver`
- WebSphere Partner Gateway V6.1
  - ▶ `{WPG_INSTALL_DIR}\wasND\profiles\<profile-name>\logs\<server-name>`



The directory for the location of the runtime log files for each of the servers is shown on this page. The log files appear under the specific profiles of WebSphere Application Server V6.1. In V6.0, profile has one server which represented one of the WebSphere Partner Gateway components (Receiver, Console or Doc Manager). In V6.1 all the components are J2EE applications. Depending on what topology you chose to use for your installation the values for <profile-name> and <server-name> change. For example in simple mode you have one profile with one server hosting all the applications so you only have one profile name and one server name. In case of simple distributed, you have the deployment manager profile and the profile which hosts the WebSphere Partner Gateway Components. So in this case <profile-name> value is the deployment manager profile name and the name of the profile hosting the applications.

## Section

# ***Configure and manage log files***

This section will provide details on how log files can be configured and the various properties that you have available to configure.

## Managing log files

- Runtime log files from the servers are placed in
  - ▶ SystemOut.log, SystemErr.log
- WebSphere Application Server provides the logging capability in V6.1 compared to using log4j in WebSphere Partner Gateway V6.0
- Managed using the WebSphere Application Server Administration Console
  - ▶ Control amount of disk space used by log files
  - ▶ Control the format of log messages
  - ▶ Configure the number of Historical Log files



All the runtime logs for the servers are placed in the Systemout.log and the Systemerr.log file. As mentioned before WebSphere Partner Gateway V6.1 makes use of the logging support provide by the WebSphere Application Server instead of the log4j used by the WebSphere Partner Gateway V6.0

The log files can be managed using the WebSphere Application Server administrative console. You can specify the name, size and the number of historical log files to maintain.

## Managing log files

- Log files properties can be managed from the Administrative Console of WebSphere Application Server
  - ▶ Navigate to **Logs and Trace** → **<Server-name>** → **JVM Logs**
- Configuration tab provides properties like
  - ▶ File name
  - ▶ File Formatting
    - Basic
    - Advanced
  - ▶ File Size
  - ▶ Time
  - ▶ Number of Historical files to maintain

Specify the format for log messages. Advanced format includes more metadata than basic

Changes made to properties in configuration tab requires a server restart for changes to take effect.

Log file name can be changed here

Specify the number of historical log files to maintain.

Logging and Tracing > server1 > JVM Logs

Use this page to view and modify the properties for the Java virtual machine (JVM) System managed process. The JVM logs are created by redirecting the System.out and System.err log files. The System.out log files are used to monitor the health of the running application, exception stack trace information that is used to perform problem analysis. One set of logs is created for the server and all of its applications. JVM logs are also created for the deployment manager. Changes made to properties in configuration tab apply when the server is restarted. Changes on the Runtime tab apply when the server is restarted.

Configuration Runtime

General Properties

System.out

File Name:  Log file name can be changed here

File Formatting

Basic (Compatible) [v]  
Basic  
Advanced

File Size

File Size  MB

Time

Time  hours  
 hours

Maximum Number of Historical Log Files: Number in range 1 through 50.  
 Specify the number of historical log files to maintain.

Installed Application Output

Show application print statements  
 Format print statements

System.err

File Name:  Log file name can be changed here

Log File Rotation

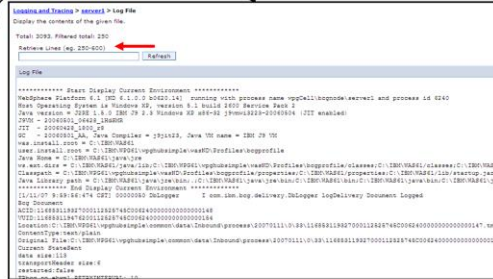
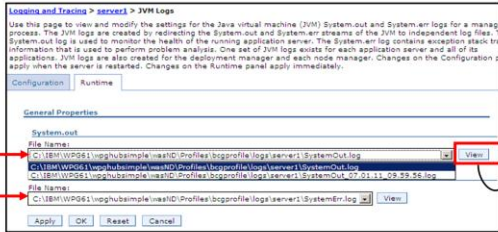
File Size  MB  
 Time  hours  
 hours

Log files properties can be managed from the Administrative Console of WebSphere Application Server by navigating to **Logs and Trace** → **<Server-name>** → **JVM Logs**

This slide shows the screen capture from the administrative console. In the configuration tab, you can provide the name of the log file, the format of log messages, file size and the number of historical log files to maintain. Any changes made to the properties in the configuration tab are reflected in the next server startup.

# Managing log files

- Runtime tab used to view the content of current log file and any historical log file data



Runtime tab gives you an option to view the content of the current log file and any historical log files.

## Log messages

### ■ Sample message when set to Basic

```
[1/22/07 14:22:00:078 CST] 00000201 PartnerMgmtSe I com.ibm.bcg.consoleEJB.partner.PartnerMgmtService findPartners() begin....
[1/22/07 14:22:00:078 CST] 00000201 PartnerDB I com.ibm.bcg.consoleEJB.partner.PartnerDB selectPartners() begin.....
[1/22/07 14:22:00:093 CST] 00000201 PartnerDB I com.ibm.bcg.consoleEJB.partner.PartnerDB clientInfo.getLocaleString() = en_US
[1/22/07 14:22:00:109 CST] 00000201 PartnerDB I com.ibm.bcg.consoleEJB.partner.PartnerDB Setting clientInfo.getLocale() = en_US
[1/22/07 14:22:00:125 CST] 00000201 PartnerTypeDB I com.ibm.bcg.consoleEJB.partner.PartnerTypeDB selectPartnerTypes() begin.....
```

### ■ Sample message when set to Advanced

```
1/22/07 14:26:45:796 CST] 00000095 I UOW=null source=com.ibm.bcg.consoleEJB.partner.PartnerMgmtService
class=com.ibm.bcg.consoleEJB.partner.PartnerMgmtService org=IBM prod=BCG component=Console thread=[WebContainer : 2]
findPartners() begin....
[1/22/07 14:26:45:812 CST] 00000095 I UOW=null source=com.ibm.bcg.consoleEJB.partner.PartnerDB class=com.ibm.bcg.consoleEJB.partner.PartnerDB
org=IBM prod=BCG component=Console thread=[WebContainer : 2]
selectPartners() begin.....
[1/22/07 14:26:45:812 CST] 00000095 I UOW=null source=com.ibm.bcg.consoleEJB.partner.PartnerDB class=com.ibm.bcg.consoleEJB.partner.PartnerDB
org=IBM prod=BCG component=Console thread=[WebContainer : 2]
clientInfo.getLocaleString() = en_US
[1/22/07 14:26:45:812 CST] 00000095 I UOW=null source=com.ibm.bcg.consoleEJB.partner.PartnerDB class=com.ibm.bcg.consoleEJB.partner.PartnerDB
org=IBM prod=BCG component=Console thread=[WebContainer : 2]
Setting clientInfo.getLocale() = en_US
[1/22/07 14:26:46:140 CST] 00000095 I UOW=null source=com.ibm.bcg.consoleEJB.partner.PartnerTypeDB
class=com.ibm.bcg.consoleEJB.partner.PartnerTypeDB org=IBM prod=BCG component=Console thread=[WebContainer : 2]
selectPartnerTypes() begin.....
```



The difference between the Advanced and the Basis format option is the amount of metadata that is written along with the log message. Advanced format includes the organization name, product name, class name, method name, originator, thread id, thread name, and other information for the message. The Basic log format does not include all of this information.



## Section

# *Trace files*

This section will cover the trace files

## Managing trace files

- WebSphere Application Server Administrative console used to set trace configuration
  - ▶ Control the amount of disk space that trace files can consume
  - ▶ Setting the names and paths for the trace files
  - ▶ Setting the trace file format
  - ▶ Control the number of historical files to maintain
  - ▶ Determining which WebSphere Partner Gateway components write trace information to the files
  - ▶ Setting the trace level for the selected components



You can make use of the WebSphere Application Server administrative console to configure and manage trace files. Administrative console provides various options like setting the size, name, location and the historical files to maintain for tracing. You can also select the components that you want to see the trace messages for and the level of the trace messages generated by the selected components.

## Enabling trace – Simple and simple distributed mode

- Trace files properties managed from the Administrative Console of WebSphere Application Server
  - ▶ Navigate to **Troubleshooting** → **Logs and Trace** → **<Server-name>** → **Diagnostic Trace**
  - ▶ All the components write to a single trace file
  - ▶ Changes made in configuration tab require server restart
  - ▶ Trace file located under

`{WPG_INSTALL_DIR}\wasND\profiles\<profile-name>\logs\<server-name>`

Logging and Tracing > server1 > Diagnostic Trace Service

Use this page to view and modify the properties of the diagnostic trace service. Changes made on the Configuration panel require the application server to be restarted. Changes made on the Runtime panel are applied immediately.

Configuration Runtime

General Properties

Enable Log

Trace Output

Memory Buffer

Maximum Buffer Size: 8 thousand entries

File

Maximum File Size: 20 MB

Maximum Number of Historical Files: 1

File Name: \${SERVER\_LOG\_ROOT}/trace.log

Trace Output Format

Basic (Compatible)

Advanced Log Analyzer

Trace message logging is enabled by default

Trace messages can be written to a circular memory buffer or a file

Trace file name can be provided here. By default the name is trace.log

Logging and Tracing > server1 > Diagnostic Trace Service

Use this page to view and modify the properties of the diagnostic trace service. Changes made on the Configuration panel require the application server to be restarted. Changes made on the Runtime panel are applied immediately.

Configuration Runtime

General Properties

Save runtime changes to configuration as well

Trace Output

Memory Buffer

Maximum Buffer Size: 8 thousand entries

Dump File Name: [ ]

Dump

File

Maximum File Size: 20 MB

Maximum Number of Historical Files: 1

File Name: \${SERVER\_LOG\_ROOT}/trace.log

View

Apply OK Reset Cancel

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This slide talks about configuring trace file for the simple mode of install.

You can configure the trace by navigating to *Troubleshooting* > *Logs and Trace* > *<Server-name>* > *Diagnostic Trace* in administrative console. You can make changes to trace file configuration in runtime tab or using the configuration tab. changes made in configuration tab requires server restart

Before the trace messages can be written to the trace file, tracing needs to be enabled. Enable Log property can be used to enable or disable tracing. The trace file is enabled by default.

**Trace output** specifies where trace output should be written. The trace output can be written directly to an output file, or stored in memory.

If **Memory Buffer** option is selected, the trace output will be written to an in-memory circular buffer. If you select this option you must provide a value for the **Maximum Buffer Size**. This value specifies the number of entries, in thousands, that can be cached in the buffer. When this number is exceeded, older entries are overwritten by new entries.

If **File** option is selected, the trace output is written to a file. The self-managing log file writes messages to the file until the specified maximum file size is reached. When the file reaches the specified size, logging is temporarily suspended and the log file is closed and renamed. The new name is based on the original name of the file, plus a timestamp qualifier that indicates when the renaming occurred. Once the renaming is complete, a new, empty log file with the original name is reopened, and logging resumes. No messages are lost as a result of the rollover, although a single message may be split across the two files. If you select the file option, you must specify values for **Maximum File Size**, **Maximum Number of Historical Files** and **File Name** properties.

**Maximum File Size** specifies the maximum size, in megabytes, to which the output file is allowed to grow. This attribute is only valid if the File Size attribute is selected. When the file reaches this size, it is rolled over as described above.

**Maximum Number of Historical Files** specifies the maximum number of rolled over files to keep.

**File Name** specifies the name of the file to which the trace output is written.

## Trace output levels

You can specify one of three levels for trace output.

- **Basic (Compatible)** preserves only basic trace information.
- **Advanced** preserves more specific trace information.
- **Log analyzer trace format** preserves trace information in the same format as produced by Showlog tool.

You can specify one of three levels for trace output: Basic, Advanced and Log analyzer format.

**Basic (or Compatible)** preserves only basic trace information. Select this option to minimize the amount of space taken up by the trace output.

**Advanced** preserves more specific trace information. Select this option to see detailed trace information for use in troubleshooting and problem determination.

**Log analyzer trace format** preserves trace information in the same format as produced by Showlog tool.

## Enabling trace – Full distributed mode

- Trace files properties managed from the Administrative Console of WebSphere Application Server
  - ▶ Navigate to **Troubleshooting** → **Logs and Trace** → **<Server-name>** → **Diagnostic Trace**
  - ▶ Each of the WebSphere Partner Gateway components write to their own trace file
  - ▶ Changes made in configuration tab require server restart
  - ▶ Trace file located under  
`{WPG_INSTALL_DIR}\wasND\profiles\<profile-name>\logs\<server-name>`

The image displays four screenshots of the WebSphere Administrative Console's 'Diagnostic Trace' configuration page for different components. Each screenshot shows the 'General Properties' section with 'Enable Log' checked. The 'Trace Output' section is set to 'File', and the 'File Name' field is highlighted in red. The file names are: `{SERVER_LOG_ROOT}\bcg_console.log`, `{SERVER_LOG_ROOT}\bcg_router.log`, `{SERVER_LOG_ROOT}\bcg_receiver.log`, and `{SERVER_LOG_ROOT}\trace.log`. The 'Trace Output Format' is set to 'Advanced' for the first three components and 'Basic (Compatible)' for the last one.

In a full distributed mode, you have more than one server. Each WebSphere Partner Gateway component can be hosted on a different server. You have the same options that were discussed in the previous slide for configuring the tracing. For a full distributed mode, the default formatting is set to advanced for the servers hosting the WebSphere Partner Gateway applications.. With the Advanced format, each trace message includes the class name, method name, originator, thread id, thread name, and other information for the message. For the messaging server, the default trace format is basic. The Basic log format does not include this information. Log and Trace Analyzer format is also available.

You can change the properties in the configuration tab or the runtime tab. Any changes made in the configuration tab requires a server restart for the changes to take effect. The changes made in the runtime tab go into effect immediately but are only retained if the server is not stopped. If the server is stopped and re started, the server will use the settings in the configuration tab.

## Section

# ***Setting log and trace message detail levels***

The next section discusses how to configure the level of detail for the messages that go into trace and log files.

## Setting message detail levels

- Log and trace message details are set using the Administrative Console of WebSphere Application Server
  - Default logging level set to **SEVERE** for all WebSphere Partner Gateway components
  - Navigate to **Troubleshooting** → **Logs and Trace** → **<Server-name>** → **Change Log Detail Levels**
  - Can be set at component level or group level
  - Component level packages begin with prefix **com.ibm.bcg**
  - Group names start with prefix **BCG**

The image displays two side-by-side screenshots of the WebSphere Administrative Console's 'Change Log Detail Levels' configuration page. The left screenshot shows the 'Components' tab, where a list of components is visible, including those with the prefix 'com.ibm.bcg'. A callout points to this list, stating: 'List of components that can be set message levels on. WebSphere Partner Gateway components have com.ibm.bcg as prefix'. The right screenshot shows the 'Groups' tab, with a list of groups including those with the prefix 'BCG'. A callout points to this list, stating: 'List of groups that can be set message levels on. WebSphere Partner Gateway groups have BCG as prefix'. Both screenshots show a 'Message' dropdown menu with levels: fatal, severe, warning, audit, info, config, detail, and a 'Trace Levels' dropdown menu with levels: fine, finer, finest. A 'Components tab' callout points to the left screenshot's tab, and a 'Groups tab' callout points to the right screenshot's tab. The bottom of the slide features a footer with 'Logging and tracing support' and '© 2007 IBM Corporation'.

The WebSphere Application Server administrative console is used for controlling the detail level of messages that go into the log and trace files.

The default level is set to SEVERE for WebSphere Partner Gateway applications.. Only messages that are at a level SEVERE or above written to the log file. You have the option to configure the message detail level at the Component level or at the Group level as shown in the screen captures in the slide. If the message level is at fatal, severe, warning, audit, info, config or detail, the messages are only written to the log files at that level and above. If you want to see trace messages in the trace files that you configured, the detail level should be set to a fine, finer or finest. When using the Components tab to set the detail level, you can easily locate the WebSphere Partner Gateway components by looking for the prefix com.ibm.bcg. If you are setting the detail level in the Groups tab, look for the prefix BCG to locate the groups that relate to WebSphere Partner Gateway.

## EDI, XML, ROD subcomponent tracing

- Support for enabling tracing on EDI, XML, ROD subcomponents
  - ▶ Enabled using the WebSphere Partner Gateway Console
  - ▶ Navigate to **System Administration** → **Feature Administration** → **EDI Properties**
    - 0 – no tracing
    - 1 - normal trace (entry and exit type information, message disposition, property values)
    - 2 - extended trace (more detailed than normal trace)
    - 3 - utility trace (most detailed information)

Property	Value
traceLevel.All	0
traceLevel.Transformation	0
traceLevel.Validation	0
traceLevel.Enveloper	0
traceLevel.Deeveloper	0
traceLevel.EDI-Parser	0
traceLevel.XML-Parser	0
traceLevel.ROD-Parser	0
traceLevel.EDI-Serializer	0
traceLevel.XML-Serializer	0
traceLevel.ROD-Serializer	0
traceLevel.EDI-Splitter	0
traceLevel.XML-Splitter	0
traceLevel.ROD-Splitter	0
traceLevel.ROD-Scanner	0
traceLevel.FTP-Scripting	0
traceLevel.IBMVanAckProcessor	0
traceLevel.EDIAckProcessor	0
traceLevel.Utility	0
transcript.file.option	N
database.encoding	UTF-16

You can enable tracing for some EDI, XML and ROD (flat file) components that are used in relation to validation maps and transformation maps created by the Data Interchange Services client. This tracing is enabled from the WebSphere Partner Gateway Console by navigating to **System Administration > Feature Administration > EDI Properties**. The default tracing level is set to 0 or no tracing. Valid values for tracing are 0,1,2 and 3.



## Interpreting log and trace messages

- Character representing log level included in log message

[1/18/07 16:05:01:859 CST] 00000059 WSChannelFram **A**  
CHFV0019I: The Transport Channel Service has started  
chain chain\_1.

[1/18/07 16:05:04:500 CST] 0000005f SibMessage **I** [:]  
CWSIT0028I: The connection for messaging engine  
bcgnode.bcgconsole-BCGBus in bus BCGBus to messaging  
engine bcgnode.bcgdocmgr-BCGBus started.

[1/18/07 16:05:09:718 CST] 00000031 SibMessage **W**  
[BCGBus:bcgnode.bcgconsole-BCGBus] CWSIP0381W: No  
Response received from messaging engine  
bcgnode.bcgdocmgr-BCGBus for subscription request  
message.

[1/18/07 16:05:13:218 CST] 00000031 ServiceLogger **I**  
com.ibm.ws.ffdc.IncidentStreamImpl resetIncidentStream  
FFDC0010I: FFDC closed incident stream file  
C:\IBM\WPG61\wpghubdistrapps\wasND\Profiles\bcgprofile\lo  
gs\ffdc\bcgconsole\_27842784\_07.01.18\_16.05.13\_0.txt

[1/18/07 16:05:15:984 CST] 00000031 SibMessage **W**  
[BCGBus:bcgnode.bcgconsole-BCGBus] CWSIP0381W: No  
Response received from messaging engine  
bcgnode.bcgreceiver-BCGBus for subscription request  
message.

Level	Content / Significance	Abbreviation in log messages
Off	No events are logged	N/A
Fatal	Task cannot continue and component cannot function	F
Severe	Task cannot continue but component can still function	E
Warning	Potential error or impending error	W
Audit	Significant event affecting server state or resources	A
Info	General information outlining overall task progress	I
Config	Configuration change or status	C
Detail	General information detailing subtask progress	Not supported in WPC, FINEST is used.
Fine	Trace information - General trace + method entry / exit / return values.	1
Finer	Trace information - Detailed trace.	2
Finest	Trace information - A more detailed trace includes all the detail needed to debug problems.	3
All	If you have created custom levels, All would include your custom levels, and could provide a more detailed trace than finest.	N/A



A one character field that indicates the type of the message or trace event can be used to interpret the message. Message types are in upper case. As shown in the slide, each message contains a character that you can use to determine if a message is a log or trace message and the detail level of that message. You can make use of the table listed in the slide for reference to map the character to the level.

## Log level mapping from V6.0 to V6.1

- WebSphere Partner Gateway V6.0
  - ▶ Log and trace messages classified using severity levels used by WebSphere Partner Gateway
- WebSphere Partner Gateway V6.1
  - ▶ Makes use of WebSphere Application Server Severity levels

WebSphere Partner Gateway V6.0 Severity Level	WebSphere Application Server V6.1 Severity Level
FATAL	FATAL
ERROR	SEVERE
WARN	WARNING
INFO	INFO
DEBUG	FINEST

In V6.0 WebSphere Partner Gateway used log levels that are not related to the WebSphere Application server log levels. Since WebSphere Partner Gateway V6.1 uses the WebSphere Application Server log levels, you can use this table to map the log level in V6.0 to the appropriate level in V6.1

## Section

# *Summary*

This section will provide a brief summary of this presentation.

## Summary

- This presentation covered details on
  - ▶ Configuring log files
  - ▶ Enabling trace and configuring trace files
  - ▶ Locations of log and trace files
  - ▶ Setting log level details



WebSphere Partner Gateway V6.1 uses the logging API provided by the WebSphere Application Server V6.1 instead of the log4j used in V6.0. The presentation covered details on the various installation and runtime log files. Also covered are the details of the trace files and the how to configure log and trace messages.

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