Business Intelligence Solution Provide

# **Informatica Power Center 9.0.1**

Working with Informatica Repository

# **Description:**

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Guide for building financial data model in Informatica. The document focuses on how the real world requirement should be interpreted. The mapping document template with very simplified steps and screen shots makes the complete learning so easy. The document focuses on how to various Log files and their operations. Join our professional training program and learn from experts.

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# An Introduction to Informatica Log File.

A file that lists actions that have occurred is called log file. We can view domain, application service, and user activity log events in the Logs tab of the Informatica Power Center Administrator tool. When you view log events in the Logs tab, the Log Manager displays the generated log event files in the log directory. When an error message appears in the Informatica PowerCenter Administrator tool, the error provides a link to the Logs tab.

You can use the Logs tab to perform the following tasks:

- Informatica creates log file for session and workflow.
- View log events and the Administrator tool operational errors. View log events for the domain, an application service, or user activity.
- Filter log event results. After you display the log events, you can display log events that match filter criteria.
- Configure columns. Configure the columns you want the Logs tab to display.
- Save log events. You can save log events in XML, text, and binary format.
- Purge log events. You can manually purge log events.
- Copy log event rows. You can copy log event rows.
- Session log details depend on the tracing level.
- The session level tracing overrides transformation level tracing levels.

# How to view log in Informatica Power Center Server.

Step-1 Open Informatica Administrator, Click on Start ⇒ All Programs ⇒ Informatica 9.0.1
 ⇒ Server ⇒ Informatica Administrator Home Page.

	🛅 Oracle EPM System	•			
Start Informatic	🖬 Informatica 9.0.1	•	🖮 Server	Ē	Informatica Administrator Home Page
(m)	🅘 Mozilla Firefox		🛅 Client	• 📰	Start Informatica Services
Notepad	Administrative Tools	×			Stop Informatica Services
	🛅 Microsoft Visual Studio 2005	⊁		2	Uninstaller
All <u>P</u> rograms ▶	🛅 Microsoft SQL Server 2005 🛛	⊁			
	💋 Log Off	0	Sh <u>u</u> t Down		
🦺 Start 🛛 🞯 🥭 🍯	) 🗍 🧊 Oracle SQL Developer				

**Step-2** Now specify Username and Password to connect admin console and then click on Log In Button.

🕗 Informatica Administrator - Mozilla Firefox	
<u>File Edit View History Bookmarks Tools H</u> elp	
Informatica Administrator	
← 🛄 mitesha https://mitesha:8443/administrator/ 🏠 ⊽ C 🚼 ▼ Google	<i>P</i>
INFORMATICA: Administrator	
Username administrator	
Password ••••••	
Log In	

**Step-3** Here, click on Logs tab to view log details in Informatica Server. In log tab following types of log in Logs tab.

- Domain log.
- Service log.
- User Activity log.
- Filter.
- Log viewer.
- Reset filter.
- Domain log.

🗌 Informatica Administrator: Logs ☆ 🔻 C 🚼 - Google (mitesha https://mitesha:8443/administrator/index.html#log P ninistrator Log Out | Manage 🔻 Help **INFORMATICA** Administrator 🔥 Logs 🧕 Monitoring 📋 Reports 🔒 Security 🔏 Domain User Activity Domain Service Actions Ð Domain Logs : Select the filters and click on the filter icon to fetch logs. 💌 Within last month V  $\mathbf{\nabla}$ Category Severity Timestamp Thread Message Code Message Service Manager INFO 02/23/2013 12:12:25.390 PM Thread 6 of 6 in DomainS SPC\_10014 Request to start process for service [\_AdminConsole] on node [node01\_mitesha] 🚹 INFO Alerts 02/23/2013 12:12:25.390 PM Thread 1 of 6 in DomainS ALERT 10009 Alert message [Node [node01 mitesha] is elected as the master of domain [Domain mitesha].] 🚹 INFO Service Manager 02/23/2013 12:12:25.328 PM Thread 6 of 6 in DomainS DOM\_10117 Starting service process for service [\_AdminConsole] on node [node01\_mitesha]. Service Manager INFO 02/23/2013 12:12:25.250 PM Domain Monitor Fetching service definitions from the domain configuration. DOM\_10113 🚹 INFO Service Manager 02/23/2013 12:12:25.250 PM Domain Monitor DOM\_10107 Master gateway initialized. 🚹 INFO 02/23/2013 12:12:25.250 PM Domain Monito DOM\_10112 Finished starting all the services in the domain. Service Manager INFO Service Manager 02/23/2013 12:12:25.250 PM Domain Monitor DOM\_10114 Service [intservice] will be started. 🚹 INFO 02/23/2013 12:12:25.250 PM Domain Monitor DOM 10114 Service [infoReposUser] will be started. Service Manager Service Manager 🚹 INFO 02/23/2013 12:12:25.250 PM Domain Monitor DOM\_10114 Service [InfORepo2] will be started. Service Manager INFO 02/23/2013 12:12:25.250 PM Domain Monitor DOM\_10114 Service [ AdminConsole] will be started. 🚹 INFO 02/23/2013 12:12:25.218 PM Domain Monitor DOM 10113 Fetching service definitions from the domain configuration. Service Manager 🚹 INFO Service Manager 02/23/2013 12:12:25.218 PM Domain Monitor DOM\_10111 Fetch and Start all the services in the domain INFO Service Manager 02/23/2013 12:12:25.218 PM Domain Monitor DOM\_10173 Master node has collected process statuses from all the nodes. 🚹 INFO DOM\_10172 Service Manager 02/23/2013 12:12:25.203 PM Domain Monitor Master node received service process statuses from node [node01\_mitesha] at [mitesha:6006]. Service Manager INFO DOM 10170 02/23/2013 12:12:25.203 PM Domain Monitor Contacting node [node01\_mitesha] at [mitesha:6006] to collect service process statuses. Service log. Informatica Administrator: Logs + 🐻 ☆ マ C 🚼 - Google (mitesha https://mitesha:8443/administrator/index.html#log Ø **INFORMATICA** Administrator Administrator Log Out | Manage - Help 📋 Reports Å Domair 👌 Logs 📵 Monitoring 🔒 Security Domain Service User Activity Actions B) Service Logs : Select the filters and click on the filter icon to fetch logs. ▼ ▼ ▼ Service Type Service Name Severity Timestamp Thread Message Code Message 🚹 INFO PowerCenter Repository Se InfORepo2 02/23/2013 16:37:24.281 F 3452 CNX 53130 Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:37:24.281 F 3452 CNX\_53039 Received TCP connection from host mitesha (192.168.80.129), port 12909. Connecti 🚹 INFO PowerCenter Repository Se InfORepo2 02/23/2013 16:32:24.296 F 3308 CNX 53130 Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:32:24.296 F 3308 CNX\_53039 Received TCP connection from host mitesha (192.168.80.129), port 12812. Connecti

CNX\_53130

CNX\_53039

CNX 53130

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CNX\_53039

CNX\_53130

CNX 53039

CNX\_53130

CNX\_53039

CNX\_53130

PowerCenter Repository Sc InfORepo2 🕜 INFO 02/23/2013 16:17:24.281 F 4268 🚹 INFO 02/23/2013 16:17:24.281 F 4268 PowerCenter Repository Sc InfORepo2 🕜 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:12:24.281 F 5088 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:12:24.281 F 5088 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:07:24.281 F 5104 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:07:24.281 F 5104 🚹 INFO PowerCenter Repository Sc InfORepo2 02/23/2013 16:02:24.281 F 5192

🔒 INFO

🚹 INFO

🔒 INFO

🚹 INFO

02/23/2013 16:27:24.281 F 2080

02/23/2013 16:27:24.281 F 2080

02/23/2013 16:22:24.281 F 6112

02/23/2013 16:22:24.281 F 6112

User Activity log.

PowerCenter Repository Sc InfORepo2

PowerCenter Repository Sc InfORepo2

PowerCenter Repository Sc InfORepo2

PowerCenter Repository Sc InfORepo2

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

Received TCP connection from host mitesha (192.168.80.129), port 12711. Connecti

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

Received TCP connection from host mitesha (192.168.80.129), port 12619. Connecti

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

Received TCP connection from host mitesha (192.168.80.129), port 12519. Connecti

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

Received TCP connection from host mitesha (192,168,80,129), port 12417, Connecti

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

Received TCP connection from host mitesha (192.168.80.129), port 12325. Connecti

Client repository version is 181, data version is 90, and product version is 9.0.1 Hotf

G ☆ ⊽ C 🛃 - Google 👂 🏫						
Administrator Log Out   Manage ▼ Help ▼						
🔏 Domain 🛛 🔂 Logs 🖉 Monitoring 📄 Reports 🔒 Security						
Actions 🔻						
B 67						
9						

## Session Log File.

In Informatica, Session logs contain information about the tasks that the Integration Service performs during a session, with load summary and transformation statistics.

By default, the Integration Service creates one session log for each session it runs. If a workflow contains multiple sessions, the Integration Service creates a separate session log for each session in the workflow. When you run a session on a grid, the Integration Service creates one session log for each DTM process.

In general, a session log contains the following information:

- Allocation of heap memory
- Execution of pre-session commands
- Creation of SQL commands for reader and writer threads
- Start and end times for target loading
- Errors encountered during the session and general information
- Execution of post-session commands
- Load summary of reader, writer, and DTM statistics
- Integration Service version and build number

Right click on session or task and click on Edit, then go to Properties tab and set the session log file directory.

-
<b>^</b>

# How to see session log file : -

**Step-1** Execute session and then go to Informatica PowerCenter Workflow Monitor and then, right click on session and select Get Session Log.

🕅 In	formatica PowerCenter Wor	kflow Monitor				
<u>R</u> epo	sitory <u>E</u> dit <u>V</u> iew <u>T</u> ools T <u>a</u> sl	K Eilters <u>H</u> elp				
	9, 4 I A	Y	] 💼 🔄 🥇 🚱 🔽 🏹 ▪ 🗍 8 Ha	urs 👻 😭 🖏		
<u>s</u>	😝 Repositories	Workflow Run		Start Time	Completion Time	Status
-	infoReposUser		nation			
🖄 👫 Ot O= O= O	intservice     intservice     Credir_Card     Example     FLTFile_RDBM:     FLTFILE_TO_R     Multiple_Sourc     OLTP_OLAP     SRC_FLL_File     Transformation     Lookup_Tr     Mapplet_E      Gantt Chart     Task View	Mapplet_Example     Mapplet_Example     Mapplet_Exam     Start     Mapplet     R     R     R     G     G	nple Restart <u>Workflow from Task</u> Restart Task Restart Workflow by Recovering this Task Recover Task Cold Start Workflow from Task Cold Start Task Stop Stop So to Gantt Chart So to Gantt Chart Set Session Log Show History Names Set Run Properties	2/26/2013 11:41:40 AM 2/26/2013 11:41:40 AM 2/26/2013 11:41:40 AM	2/26/2013 11:41:45 AM 2/26/2013 11:41:40 AM 2/26/2013 11:41:42 AM	Succeeded Succeeded Succeeded

## Step-2 Here all execution log file for this selected session.

🛃 Log Eve	nts for Sessi	on: Mapplet					<u> </u>	
Save As	⊆opy	<u> </u>	<u>R</u> efresh					
Severity	Timestamp		Node	Thread	Message Co	Message	<b>_</b>	
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6014			
INFO	2/26/20131	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6683	Repository Name: [infoReposUser]		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6684	Server Name: [intservice]		
INFO	2/26/20131	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6686	Folder: [Transformation_Example]		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6685	Workflow: [Mapplet_Example] Run Instance Name: [] Run Id: [761]		
INFO	2/26/20131	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6101	Mapping name: Mapplet_Example [version CheckedOut].		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6964	Date format for the Session is [MM/DD/YYYY HH24:MI:SS.US]		
INFO	2/26/20131	1:41:41 AM	node01_mitesł	DIRECTOR	TM_6703	Session [Mapplet] is run by 32-bit Integration Service [node01_mitesha], version [9.0.1 HotFix2], build [1111].		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MANAGER	PETL_24058	Running Partition Group [1].		
INFO	2/26/20131	1:41:41 AM	node01_mitesł	MANAGER	PETL_24000	Parallel Pipeline Engine initializing.		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MANAGER	PETL_24001	Parallel Pipeline Engine running.		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MANAGER	PETL_24003	Initializing session run.		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	CMN_1569	Server Mode: [UNICODE]		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	CMN_1570	Server Code page: [MS Windows Latin 1 (ANSI), superset of Latin1]		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	TM_6151	The session sort order is [Binary].		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	TM_6156	Using low precision processing.		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	TM_6180	Deadlock retry logic will not be implemented.		
INFO	2/26/20131	1:41:41 AM	node01_mitesł	MAPPING	TM_6187	Session target-based commit interval is [10000].		
INFO	2/26/2013 1	1:41:41 AM	node01_mitesł	MAPPING	TM_6307	DTM error log disabled.	-	
Severity: I Timestam Node: node Thread: DI	INFD 2/26/2013 11:41:41 AM node01_mitest MAPPING TM_6307 DTM error log disabled.  Severity: INFO Timestamp: 2/26/2013 11:41:41 AM Node: node01_mitesta Thread: DIRECTOR							

Process ID: 5608 Message Code: TM\_6014 Message: Initializing session [Mapplet] at [Tue Feb 26 11:41:41 2013].

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Step-3 You can also check session log file in C drive (In window OS). Go to C drive 🗭

Informatica 🗲	<b>&gt;</b> 9.0.1	server	🗭 infa	shared and then cl	ick on	SessLogs	Folder.

🗁 C:\Informatica\9.0.1\server\infa_shared								
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp								
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Address 🛅 C:\Informatica\9.0.1\s	erver\infa_shared		•	• 🔁 Go	Links »			
Name 🔺	Size Type	Date Modified	Attributes					
🛅 Backup	File Folder	8/9/2012 12:19 PM						
🔁 BadFiles	File Folder	12/21/2012 1:07 PM						
BWParam	File Folder	8/9/2012 12:19 PM						
Cache	File Folder	2/26/2013 11:41 AM						
🗀 LkpFiles	File Folder	12/20/2012 2:36 PM						
	File Folder	8/9/2012 12:19 PM	_					
SessLogs	File Folder	12/21/2012 1:28 PM						
SrcFiles	File Folder	11/16/2012 11:15 AM	-					
🔁 Storage	File Folder	10/12/2012 1:41 PM						
🔁 Temp	File Folder	12/22/2012 12:55 PM						
🔁 TgtFiles	File Folder	11/16/2012 9:23 AM						
Control WorkflowLogs	File Folder	12/21/2012 1:28 PM						

C:\Informatica\9.0.1\server	,infa_shared∖Ses	sLogs				_ D ×
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> o	ools <u>H</u> elp					
🚱 Back 👻 🕤 👻 🥬 Search	h 🌔 Folders 🛛 🗗	\$ 🕑 🗙 🍤				
Address 🛅 C:\Informatica\9.0.1\se	erver\infa_shared\S	essLogs		•	🚽 🔁 Go	Links »
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🖬 Load_Only_Unique_Records.l	29 KB	BIN File	12/6/2012 12:45 PM	А		
🖬 Load_Unique_Duplicate_Reco	26 KB	BIN File	12/5/2012 2:01 PM	А		
🖬 Lookup.log.bin	63 KB	BIN File	12/22/2012 4:01 PM	А		
🔤 map.log.bin	36 KB	BIN File	12/1/2012 4:25 PM	А		
🖬 mapp.log.bin	29 KB	BIN File	12/7/2012 8:41 AM	А		
🔤 Mapping.log.bin	29 KB	BIN File	12/1/2012 4:16 PM	A		
Mapplet.log.bin	17 KB	BIN File	2/26/2013 11:41 AM	A		
RANK.log.bin	7 KB	BIN File	11/17/2012 1:13 PM	A		
🔟 rdbms.log.bin	10 KB	BIN File	11/21/2012 10:01 AM	A		
BDBMS_Flatfile.log.bin	13 KB	BIN File	11/17/2012 9:03 AM	А		
BDBMS_FLTFile.log.bin	27 KB	BIN File	11/28/2012 11:36 AM	A		
Remove_Duplicate_Row.log.bin	23 KB	BIN File	12/11/2012 3:22 PM	A		
🔤 Router.log.bin	40 KB	BIN File	11/17/2012 12:42 PM	А		
🖬 RT.log.bin	27 KB	BIN File	10/27/2012 2:37 PM	А		
🖬 s1_Expression.log.bin	22 KB	BIN File	11/29/2012 3:58 PM	А		
🔤 s1_Normalizer_Transformatio	61 KB	BIN File	11/19/2012 4:27 PM	А		
s_Aggregation.log.bin	22 KB	BIN File	12/6/2012 2:20 PM	А		
s_Con_Row_into_Column.log	18 KB	BIN File	12/14/2012 1:19 PM	А		
s_Convert_Row_into_Col.log	15 KB	BIN File	12/14/2012 1:17 PM	А		
s_Convert_Row_into_Column	22 KB	BIN File	12/11/2012 4:15 PM	А		
s_Convert_Row_Value_into	31 KB	BIN File	12/15/2012 1:38 PM	A		
🔜 e Dynamic Lookun Transfor	56 VR	RTN File	12/24/2012 8-46 AM	0		<u> </u>

#### Workflow Log File.

When you run a workflow in Informatica PowerCenter Workflow Manager, the Integration Service creates a workflow log file. Workflow log contain information about the workflow run such as workflow name, task executed and workflow errors.

You can also set the workflow directory in Informatica PowerCenter Workflow, Edit workflow and then go to Properties tab and set the Workflow Log File Directory and Workflow Log File Name. By default the Workflow Log File Directory is \$PMWorkflowLogDir.

lit Workflow - agg_Aggregation						
General Properties Scheduler Variables Events Metadata Extensions						
Set the properties of the worknow/we	orkiet in the grid below:					
Attribute	۱	/alue				
Parameter Filename						
Write Backward Compatible Workfl						
Workflow Log File Name	agg_Aggregation.log					
Workflow Log File Directory	\$PMWorkflowLogDir\					
Save Workflow log by	By runs					
Save workflow log for these runs	0					
Enable HA recovery		•				
Automatically recover terminated tas	Г					
Maximum automatic recovery attempts	5					

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#### How to see workflow log file : -

**Step-1** Execute session and then go to Informatica PowerCenter Workflow Monitor and then, right click on workflow and click on Get workflow Log.



#### Step-2 Here all execution log file for this selected workflow.

👯 Log Ever	nts for Workflow: Mappl	et_Example				×
Save As	<u>C</u> opy <u>Find</u>	<u>R</u> efresh				
Severity	Timestamp 🛆	Node	Thread	Message Co	Message	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_36435	Starting execution of workflow [Mapplet_Example] in folder (Transformation_Example] last saved by user [infouser].	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_44206	Workflow Mapplet_Example started with run id [761], run instance name [], run type [Concurrent Run Disabled].	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_44195	Workflow [Mapplet_Example] service level [SLPriority:5,SLDispatchWaitTime:1800].	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_44253	Workflow started. Clients will be notified	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_36330	Start task instance [Start]: Execution started.	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_36318	Start task instance [Start]: Execution succeeded.	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_36505	Link [Start> Mapplet]: empty expression string, evaluated to TRUE.	
INFO	2/26/2013 11:41:40 AM	node01_mitesł	1700	LM_36388	Session task instance [Mapplet] is waiting to be started.	•
Severity: I						

Timestamp: 2/26/2013 11:41:40 AM Node: node01\_mitesha Thread: 1700 Process ID: 2280 Message Code: LM\_36435 Message: Starting execution of workflow [Mapplet\_Example] in folder [Transformation\_Example] last saved by user [infouser]. Step-3 You can also check session log file in C drive (In window OS). Go to C drive ♥ Informatica ♥ 9.0.1 ♥ server ♥ infa\_shared and then click on WorkflowLogs Folder.

C:\Informatica\9.0.1\server	\infa_shared				
<u>F</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp					
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Address 🛅 C:\Informatica\9.0.1\s	erver\infa_shared		•	🗕 🔁 Go	Links »
Name 🔺	Size Type	Date Modified	Attributes		
🛅 Backup	File Folder	8/9/2012 12:19 PM			
🚞 BadFiles	File Folder	12/21/2012 1:07 PM			
🚞 BWParam	File Folder	8/9/2012 12:19 PM			
Cache	File Folder	2/26/2013 11:41 AM			
🗀 LkpFiles	File Folder	12/20/2012 2:36 PM			
i 🗀 log	File Folder	8/9/2012 12:19 PM			
C SessLogs	File Folder	12/21/2012 1:28 PM			
C SrcFiles	File Folder	11/16/2012 11:15 AM			
🚞 Storage	File Folder	10/12/2012 1:41 PM			
🚞 Temp	File Folder	12/22/2012 12:55 PM			
DatEiles	Eile Eolder	11/16/2012 9·23 AM	-		
WorkflowLogs	File Folder	12/21/2012 1:28 PM			

**Step-4** Here, These are workflow log file, select workflow file and open with notepad or any text editor.

C:\Informatica\9.0.1\server	\infa_shared\WorkflowLogs			
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u>	ools <u>H</u> elp			
🔾 Back 🝷 💿 👻 🏂 🔎 Searc	h 🌔 Folders 🛛 🕼 🍞 🗙 🍫	<b>.</b>		
Address C:\Informatica\9.0.1\s	erver\infa_shared\WorkflowLogs		💌 🄁 Go	Links »
Name 🔺	Size Type	Date Modified	Attributes	<b></b>
🖬 Filter.log.bin	6 KB BIN File	11/15/2012 12:19 PM	А	
🖬 Filter_Transform.log.bin	6 KB BIN File	11/15/2012 1:38 PM	А	
🖬 Filter_Transformatio.log.bin	6 KB BIN File	10/17/2012 3:57 PM	A	
Filter_Transformation.log.bin	6 KB BIN File	11/8/2012 4:31 PM	A	
🖬 Flatfile.log.bin	6 KB BIN File	11/7/2012 3:33 PM	A	
🖬 🖬 Flatfile_rdbms.log.bin	6 KB BIN File	11/21/2012 10:01 AM	A	
🖬 FLTFile_RDBMS.log.bin	6 KB BIN File	11/6/2012 4:26 PM	A	
FLTFile_SRC.log.bin	5 KB BIN File	11/6/2012 4:19 PM	A	
🖬 Heterogeneous_Join.log.bin	6 KB BIN File	12/24/2012 9:59 AM	A	
🖬 🖬 Informatica_Tranformation.lo	5 KB BIN File	11/17/2012 12:42 PM	A	
🖬 Joiner.log.bin	6 KB BIN File	11/26/2012 4:40 PM	A	
Load_Only_Unique_Records.l	6 KB BIN File	12/6/2012 12:45 PM	A	
🖬 🖬 Lookup_Transformation.log.bin	6 KB BIN File	12/20/2012 11:11 AM	A	
🖬 🖬 Map.log.bin	6 KB BIN File	12/7/2012 8:41 AM	A	
🖬 Mapplet.log.bin	6 KB BIN File	2/26/2013 11:41 AM	A	
Mapplet_Example.log.bin	6 KB BIN File	12/11/2012 3:22 PM	A	
Normalizer_Normalizer_Transf	6 KB BIN File	11/23/2012 11:03 AM	A	
🛛 📼 Normalizer_Workflow_Normali	6 KB BIN File	11/27/2012 4:43 PM	A	
🖬 🖬 Rank.log.bin	5 KB BIN File	11/17/2012 1:11 PM	A	
🛛 🔤 Rank_Transformation.log.bin	5 KB BIN File	10/29/2012 10:32 AM	А	
🖬 🖬 RankTransformation.log.bin	5 KB BIN File	11/22/2012 9:58 AM	А	
DDBMS, ELTEIle log bio	6 KR - RIN File	11/28/2012 11/36 AM	0	

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## Reject Files or Bad Files.

When we run a session in Informatica PowerCenter Workflow Manager, the integration service may create a reject file for each target instance in the mapping to store the target reject record. With the help of the Session Log and Reject File we can identify the cause of data rejection in the session. Eliminating the cause of rejection will lead to rejection free loads in the subsequent session runs.

You can use a user-defined reject file session parameter in either the Reject File Directory or Reject Filename session property

By default the Integration service creates the reject files or bad files in the \$PMBadFileDir process variable directory. It writes the entire reject record row in the bad file although the problem may be in any one of the Columns. The reject files have a default naming convention like [target\_instance\_name].bad.

**Step-1** Right click on session or task and click on Edit, then go to mapping tab and select Targets tables and go to Properties to check the reject file directory or bad file directory location (You can change this path), Also you can set the Reject filename.

dit Tasks			
General Properties Config Object	t Mapping Components Metad	data Extensions	
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Task type: Session			
Start Page	Mapplet_Ex	ample.TRG_MAPPLET_EXAMPLE	
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	Update else Insert		
	I runcate target table option		
	Reject file directory	\$PMBadFileDir\	<b> </b>
		IPLE - Target	━━┛╝
- 💏 Transformations	Reject file directory		
	Reject file directory		
		OK Cancel Apply	Help

**Step-2** You can also check session log file in C drive (In window OS). Go to C drive  $\clubsuit$ Informatica  $\clubsuit$  9.0.1  $\clubsuit$  server  $\clubsuit$  infa\_shared and then click on BadFiles Folder (By default Informatica Set this path for bad file or reject file).

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	File Folder	12/21/2012 1:28 PM			
	File Folder	11/16/2012 11:15 AM			
	File Folder	10/12/2012 1:41 PM			
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## Target File or Output File.

When you run a session in Informatica PowerCenter Workflow Manager, the Integration Service creates a output file or target file for Flatfile output. Target File or Output file is use for Flatfile output table in Informatica PowerCenter. By default this is set this path(\$PMTargetFileDir\). You can also change this path for your target .

**Step-1** Right click on session or task and click on Edit, then go to mapping tab and select Targets tables and go to Properties to and give the Output file directory path or location (you can change log path to specified here.), Also you can set the output filename.



Step-2 You can also check session log file in C drive (In window OS). Go to C drive ➡ Informatica ➡ 9.0.1 ➡ server ➡ infa\_shared and then click on TgtFiles

🗁 C:\Informatica\9.0.1\server\	infa_shared			<u>- 0 ×</u>	
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🛅 BadFiles	File Folder	12/21/2012 1:07 PM			
BWParam	File Folder	8/9/2012 12:19 PM			
Cache	File Folder	2/26/2013 11:41 AM			
🗀 LkpFiles	File Folder	12/20/2012 2:36 PM			
Colog	File Folder	8/9/2012 12:19 PM			
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	File Folder	12/22/2012 12:55 PM			
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Step-3 Here, Output File o	r Target File.				
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Flatfile_ircs1.out	3 KB OUT File	11/17/2012 9:03 AM	A		

# Cache Files.

When you run a session in Informatica PowerCenter Workflow Manager, the Integration Service creates at least one cache file for each transformation. If the Integration Service cannot process a transformation in memory, it writes the overflow values to the cache files. The Integration Service creates cache files based on the Integration Service code page. When you run a session, the Integration Service writes a message in the session log indicating the cache files name and the transformation name.

The Integration Service creates the cache files by default in the \$PMCacheDir directory. If the Integration Service process does not find the directory, it fails the session and writes a message to the session log indicating that it could not create or open the cache file.

**Step-1** Right click on session or task and click on Edit, then go to mapping tab and select Transformation, Go to Properties tab and check cache Directory and also you can change log path to specified here.

Aggregation Properties Attribute	Aggregation.AGG1	RANS	<u>•</u>
Properties Attribute	Aggregation.AGG1	RANS	
Properties Attribute	Aggregation.AGG1	BANS	
Properties Attribute	5		
Attribute		how Session Level Propert	<u>ies</u>
		Value	
Tracing Level	Normal		
Sorted Input			
Aggregator Data Cache Size	Auto		
Aggregator Index Cache Size	Auto		
Transformation Scope	All Input		
Cache Directory	\$PMCacheDir		
1			
1			
Tracing Level			
	Aggregator Data Cache Size Aggregator Index Cache Size Transformation Scope Cache Directory	Aggregator Data Cache Size     Auto       Aggregator Index Cache Size     Auto       Transformation Scope     All Input       Cache Directory     \$PMCacheDir	Aggregator Data Cache Size     Auto       Aggregator Index Cache Size     Auto       Transformation Scope     All Input       Cache Directory     \$PMCacheDir

**Step-2** You can also check session log file in C drive (In window OS). Go to C drive  $\Rightarrow$  Informatica  $\Rightarrow$  9.0.1  $\Rightarrow$  server  $\Rightarrow$  infa\_shared and then click on Cache

🚞 C:\Informatica\9.0.1\server	\infa_shared				<u>- 🗆 ×</u>
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LkpFiles	File Folder	12/20/2012 2:36 PM			
Colog	File Folder	8/9/2012 12:19 PM			
C SessLogs	File Folder	12/21/2012 1:28 PM			
C SrcFiles	File Folder	11/16/2012 11:15 AM			
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# Tracing Level. or

Tracing level can be specified for each transformation and also can be configured at session level. The different tracing levels in Informatica PowerCenter 9.0.1 are:

- Normal: This is the default tracing level. Writes log initialization, status information, errors encountered and skipped rows due to transformation row errors. Summarizes session results, but not at the level of individual rows.
- **Terse**: In addition to the normal tracing, terse logs the initialization information, error messages and notification of rejected data. Terse is used helps in debugging transformation/Mapping.
- Verbose Initialization: Adds initialization details, names of index files, data files and detailed transformation statistics to the Normal level.
- Verbose data: In addition to the Verbose Initialization, logs each row that passes into the mapping. Also notes where the Integration Service truncates string data to fit the precision of a column and provides detailed transformation statistics.

**How to Configure Tracing Level in Transformation -** To configure tracing level in transformation using Informatica PowerCenter Designer or in Session using Informatica PowerCenter Workflow Manager.

**Step-1** Connect repository and open transformation, then right click on transformation and click on Edit.



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Step-2 Then go to properties tab to change tracing level, click on Tracing Level and select.

Edit Transformations	×
Transformation Ports Properties No	rmalizer   Metadata Extensions
Select transformation: 🔄 NRMTRANS	
Transformation type: Normalizer	
Transformation Attribute	Value 🔺
Reset	
Restart	
Tracing Level	Normal 🗾
	Terse
	Normal Verboos Initialization
	Verbose Data
Tracing Level	
Amount of detail in the session log	
	OK Cancel Apply Help

# Now, change Tracing Level using session.

**Step-1** Open session in Informatica PowerCenter Workflow Manager and right click on session and select Edit.

Task Worklet Designer	agg_Aggregation -
Workflow Designer	
🔷	<u>E</u> dit
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**Step-2** Now, go to Mapping tab and select transformation and go to properties and set Tracing Level.



### Row Error Logs...

In Informatica PowerCenter, Informatica Inbuilt Error Logging feature can be utilized to implement Row Error logging in a central location. When a row level error occurs, the Integration service logs the error information which can be used to determine the cause and source of the error. Specifies the type of error log to create. You can specify relational, file, or no log. In Session Config Object Error Handling section, By default, the Error Log Type is set to none.

**Step-1** Right click on session or task and click on Edit, then go to Config Object tab and go to Error Handling Section, Then you can set Error Log Type.

There are two types Error Log Type.

- Relational Database If Error Log Type is Relational Database then DB Connection and Table name Required.
- ➢ Flatfile Edit Tasks Config Object Mapping Components Metadata Extensions General Properties Select task: • 🔯 sess\_Aggregation Task type: Session default\_session\_config Config Name: 4 \* Attribute Value Session Log File Max Time Period 0 Maximum Partial Session Log Files 1 Writer Commit Statistics Log Frequency 1 Writer Commit Statistics Log Interval 0 Error handling Stop on errors 0 Override tracing None On Stored Procedure error Stop On Pre-session command task error Stop On Pre-Post SQL error Stop Error Log Type None Error Log DB Connection None Relational Database Error Log Table Name Prefix Flat File Error Log Type Error Log Type OK Cancel Help