



MONITORING AND LOGGING

Technical - Overview

Integration Team

February 2018

AGENDA



- Overview
- Monitors

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GPP-SP is a 24 x 7 online system. It is especially required to monitor the application and the payments”

MONITORS



- **GPP-SP health can be monitored in various ways. It is always important to know what to monitor and when**
 - GPP-SP Traces
 - GPP-SP Database tables
 - GPP-SP UI

GPP-SP TRACES

- GPP-SP as an application writes a huge number of traces and logs each and every activity that performs
- The size of the trace files varies from 30-50 MB as configured and automatically rolls over once the size limits are reached
- GPP Typically writes the below trace files
 - gppserver_trace.log
 - gpp_mdp_monitor.log
 - gpp_gpp_monitors.log
 - gpp_flow_monitor.log
 - gpp_error.log
 - gpp_activity.log

GPP-SP TRACES .. CONTD



Traces	Details
gppserver_trace.log	This trace will contain all the payment related activities performed by GPP. This will also contain the UI activity logs
gpp_mdp_monitor.log	This trace will monitor the MDP activities. It starts logging when any of the defined (and active) MDPs receive message.
gpp_gpp_monitors.log	This trace is mostly used for defining GPP's performance as it logs the transaction related activities and also logs the time consumed for a specific transaction
gpp_flow_monitor.log	This trace give the details of execution time taken per flow step of GPP - SP
gpp_error.log	This trace file logs all the errors reported in GPP-SP
gpp_activity.log	This trace file logs all the activities GPP – SP is performing independent of when it is processing a payment or not.

GPP-SP DATABASE TABLE



- GPP-SP as an application writes information about payments in several DB tables. These tables can be queried and fetch information about a particular payment.
- DB Tables
 - Minf
 - Message_External_Interaction
 - Errorlog
 - Message_Backout

GPP-SP DATABASE TABLE .. CONTD



➤ Sample queries

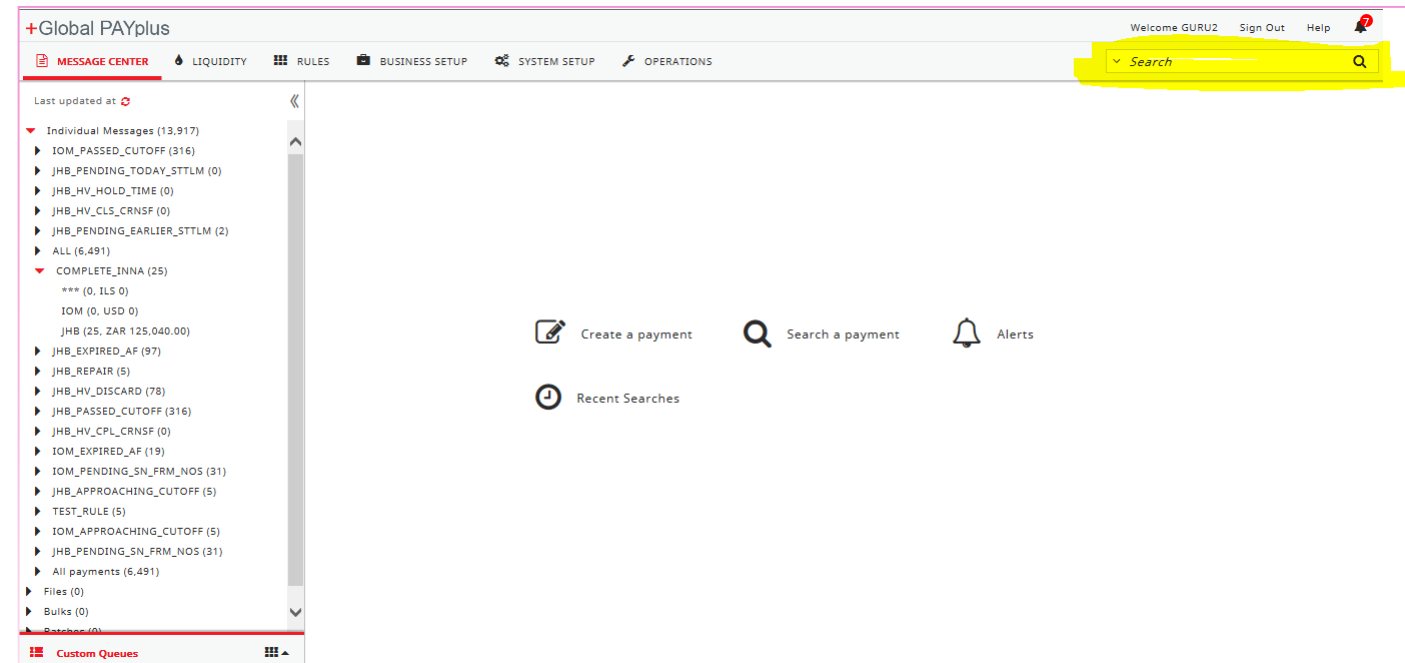
Table	Query
Minf	select * from minf where p_mid = << Enter MID >>;
Message_External_Interaction	select * from message_external_interaction where mid = << Enter MID >>;

GPP-SP UI



➤ GPP-SP UI can be used by the authorized user to enquire informations about any specific payments. GPP uses *elastic search* technology to return the searched payments at rapid speed.

➤ Payment can be searched directly on to the main login page.



GPP-SP UI .. COND

➤ User can view what all rules have been executed for a payment.

Parties						
Orig Parties						
Posting						
Before/After						
Audit Trail						
Rule Log						
Links						
Properties						
FX						
Fees						
Dupex						
Special Instruction						
ACK and Conf.						
Notes						
File Details						
Custom Fields						

Execution Time	Rule type ID	Rule type name	Rule sub type	Rule name	Action name	Zone code
2018-02-14 15:14:08 (SAST)	158	Business flow selection	0	AFTER_POSTING_RESPONSE	After Posting Response	SAST
2018-02-14 15:10:33 (SAST)	159	Dual control	0	CLEAN_USER_VERIFY	Clean	SAST
2018-02-14 15:10:33 (SAST)	189	Interface Selection	POSTING	MSG_POSTING_OUT	MSG_POSTING_OUT	SAST
2018-02-14 15:10:33 (SAST)	206	Posting Type Selection	Original posting	JHB_HV_MAIN_CR_BOOK_SAME_ENT	MAIN_CR	SAST
2018-02-14 15:10:33 (SAST)	206	Posting Type Selection	Original posting	JHB_HV_MAIN_DR_BOOK_SAME_ENT	MAIN_DR	SAST
2018-02-14 15:10:33 (SAST)	21	Compliance validation	0	JHB_COMPLIANCE	BYPASS	SAST
2018-02-14 15:10:33 (SAST)	152	Matching check profile selection	Original Payment Message Index	SET_R_MSG_INDEX	SET_P_R_MSG_INDX	SAST
2018-02-14 15:10:33 (SAST)	32	Credit Transaction code	0	CDT_TXNCODE	A000	SAST
2018-02-14 15:10:33 (SAST)	31	Debit Transaction code	0	DBT_TXNCODE	A000	SAST
2018-02-14 15:10:33 (SAST)	196	Value date determination selection	0	JHB_DEF_VD	JHB_DEF_VD	SAST
2018-02-14 15:10:32 (SAST)	122	Debit authorization bypass	0	DBT_BYPASS	Skip Debit Authorization	SAST
2018-02-14 15:10:32 (SAST)	152	Matching check profile	Original Payment Duplicated	XXX_TECHSWIFTDUPCHECK	TECH_SWIFT_DUPCHECK	SAST

➤ User can also look into the audit trails for a particular payment.

Parties			
Orig Parties			
Posting			
Before/After			
Audit Trail			
Rule Log			
Links			
Properties			
FX			
Fees			
Dupex			
Special Instruction			
ACK and Conf.			
Notes			
File Details			
Custom Fields			

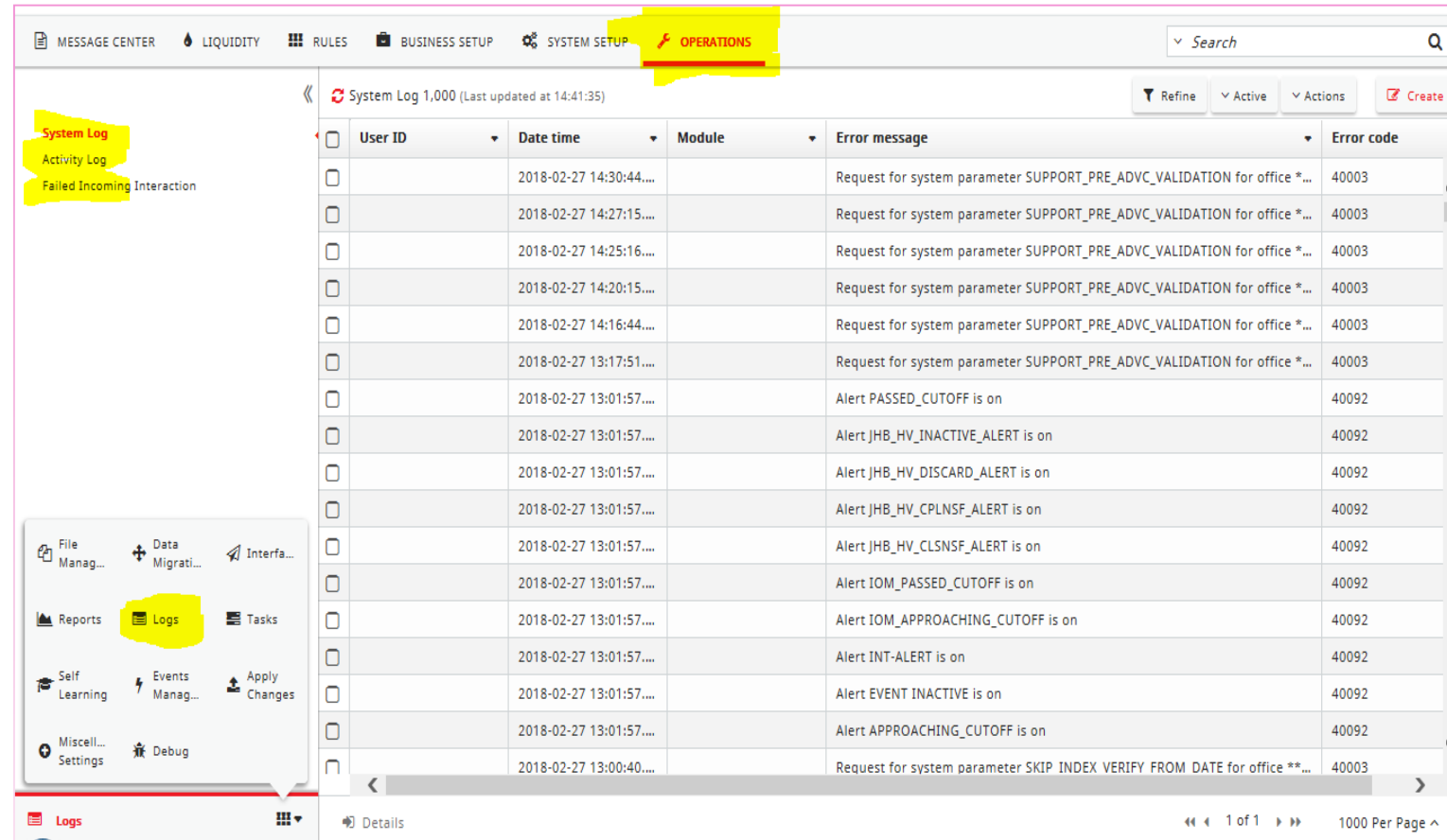
Update Date Time	Zoom info	User Name	Class
2018-02-14 15:14:36 (SAST)	No	ADMIN1	
User has exited the message without performing any action.			
2018-02-14 15:14:08 (SAST)	No	GPP	
Message status changed from MP_WAIT to COMPLETE			
2018-02-14 15:14:08 (SAST)	No	GPP	A
Posting positive response received from interface MSG_POSTING_RESPONSE			
2018-02-14 15:12:19 (SAST)	No	ADMIN1	
User has exited the message without performing any action.			
2018-02-14 15:10:33 (SAST)	No	GPP	N
Request to MSG_POSTING_OUT interface was sent			
2018-02-14 15:10:33 (SAST)	No	GPP	
Message status changed from VERIFY to MP_WAIT			
2018-02-14 15:10:32 (SAST)	No	ADMIN1	
Verify has been executed			
2018-02-14 15:09:44 (SAST)	No	GPP	
Message status was set to VERIFY by Authorization step selection (JHB_HV_PAY_VERIFY_ROF) attached to JHB			
2018-02-14 15:09:44 (SAST)	No	PRIYANKA	
Message created at 2018-02-14 15:09:44.394			
2018-02-14 15:09:44 (SAST)	No	PRIYANKA	
Submit has been executed			
2018-02-14 15:08:53 (SAST)	Yes	PRIYANKA	
User has changed fields			
2018-02-14 15:08:51 (SAST)	No	PRIYANKA	
Payment was created from Template Message : 1			

GPP-SP UI .. CONTD

➤ Operations->Logs will present two options to view logs.

➤ System Log

➤ Activity Log



MESSAGE CENTER LIQUIDITY RULES BUSINESS SETUP SYSTEM SETUP **OPERATIONS** Search

System Log 1,000 (Last updated at 14:41:35) Refine Active Actions Create

User ID	Date time	Module	Error message	Error code
	2018-02-27 14:30:44....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 14:27:15....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 14:25:16....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 14:20:15....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 14:16:44....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 13:17:51....		Request for system parameter SUPPORT_PRE_ADVC_VALIDATION for office *...	40003
	2018-02-27 13:01:57....		Alert PASSED_CUTOFF is on	40092
	2018-02-27 13:01:57....		Alert JHB_HV_INACTIVE_ALERT is on	40092
	2018-02-27 13:01:57....		Alert JHB_HV_DISCARD_ALERT is on	40092
	2018-02-27 13:01:57....		Alert JHB_HV_CPLNSF_ALERT is on	40092
	2018-02-27 13:01:57....		Alert JHB_HV_CLSNSF_ALERT is on	40092
	2018-02-27 13:01:57....		Alert IOM_PASSED_CUTOFF is on	40092
	2018-02-27 13:01:57....		Alert IOM_APPROACHING_CUTOFF is on	40092
	2018-02-27 13:01:57....		Alert INT-ALERT is on	40092
	2018-02-27 13:01:57....		Alert EVENT INACTIVE is on	40092
	2018-02-27 13:01:57....		Alert APPROACHING_CUTOFF is on	40092
	2018-02-27 13:00:40....		Request for system parameter SKIP INDEX VERIFY FROM DATE for office **...	40003

File Manag... Data Migrati... Interfa... Reports **Logs** Tasks Self Learning Events Manag... Apply Changes Miscell... Settings Debug

Logs Details 1 of 1 1000 Per Page ^

GPP-SP UI .. CONTD

- Interfaces (Operations->Interfaces) will list all the interfaces defined in GPP-SP. The status of these interfaces can be monitored and controlled from the UI

+Global PAYplus

MESSAGE CENTER LIQUIDITY RULES BUSINESS SETUP SYSTEM SETUP **OPERATIONS**

Interfaces 333 (Last updated at 14:45:38)

Office ID	Name	Interface status	Sub type	Type
***	CT_CUST_ACK_TXN_A...	ACTIVE	ACK_ACSC	ACK
***	GROUP1_ACK_TXN_A...	ACTIVE	ACK_ACSC_GROUP1	ACK
***	GROUP2_ACK_TXN_A...	ACTIVE	ACK_ACSC_GROUP2	ACK
***	GROUP3_ACK_TXN_A...	ACTIVE	ACK_ACSC_GROUP3	ACK
***	CT_CUST_ACK_TXN_A...	ACTIVE	ACK_ACTC	ACK
***	CT_CUST_ACK_TXN_RJ...	ACTIVE	ACK_RJCT	ACK
***	AC_MND_TT1_ONUS_...	ACTIVE	ACK_TO_EMANDATE_...	ACK
***	AC_MND_MP_CUST_A...	NOT_ACTIVE	AC_MND_MP_CUST_A...	ACK
***	AC_MND_MP_ADV_TX...	ACTIVE	AC_MND_MP_CUST_A...	ACK
***	AC_MND_MP_CUST_A...	ACTIVE	AC_MND_MP_CUST_A...	ACK
***	BATCH_PDNG_ACK	ACTIVE	BATCH_PDNG	ACK
***	BATCH_REJECT_ACK	ACTIVE	BATCH_RJCT	ACK
***	BATCH_REJECT_DETAI...	ACTIVE	BATCH_RJCT_DETAILED	ACK
***	ADV_FILE_ACK	NOT_ACTIVE	FILE_ACK	ACK
***	ADV_FILE_RJCT	NOT_ACTIVE	FILE_RJCT	ACK
***	INIMPS_IP_INWARD_...	ACTIVE	INIMPS_IP_INWARD_...	ACK
***	INIMPS IP OUTWAR...	ACTIVE	INIMPS IP OUT ACK	ACK

File Manag... Data Migrati... Interfa... Reports Logs Tasks Self Learning Events Manag... Apply Changes Miscell... Settings Debug

Thank you

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