Cross-Currency Settlement of Instant Payments in a Cross-Platform context: a Proof of Concept

Annex II – PoC detailed transactions logs

1. **TxID: 0121082612474530 – settlement time 15 seconds**

Intesa Sanpaolo

Field	Value	Field	Value
Transaction ID	0121082612474530	Stage	Complete
Bulk Settlement Reference		Status	Completed
Hold Status	Not Held	Funds Release Status	ExternallyChecked
Clearing Status	Complete	Legal Entity	01
Department		Pay Type (Requested) / Sub Type	TPSCT (IPSCT)
Source / Source SubType	ISOINST / WebService	Clearing System Reference	
Amount	3,00 EUR	Source Message Type	pain.001.001.03
Payment Validity Date	26/08/21	Base Amount / Local Amount	3,00 EUR
Payment Type	L (Non-urgent)	Value Date	26/08/21
Priority / LM Priority	0	Execution Date	26/08/21
Priority Group	ISO	Settlement Cycle	01
In Progress	No	Requires Supervisor	No

Details | Parties | Custom Details | **Messages** | Processing Instructions | Account Booking | Charges | Debug | Audit Trail

Advice Info

Debit Advice Info | Credit Advice Info

Messages (2)

Action	Sent/Received	Sender/Receiver	Transport	Description	Type	Status	Actions
Received	26/08/21 10:47:07		EUTIP	EUTIP pacs.002.001.03 message	Reply	Processed	
Sent	26/08/21 10:46:52		EUTIP	EUTIP pacs.008.001.02 instruction	GatewayMessage	Complete	

[ISP_R1.2.1_EPP9.1.2-1_2021-06-23T11:49:01Z]

<u>TIPS</u>

- Step 1 - pacs.008 received from Intesa
  - *2021-08-26 10:46:52,163 - Handling Instant Payment request [TxId=0121082612474530]*

- Step 2 - conditional settlement phase processed
  - *2021-08-26 10:46:52,202 - Received conditional settlement feedback: reference: "0121082612474530"*
  - *2021-08-26 10:46:52,203 - Outbound message: { msg-type: "pacs.008.001.02", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474530" }*
  - *2021-08-26 10:46:52,205 - Message successfully sent*

- Step 3 - pacs.002 received from Buna
  - *2021-08-26 10:47:04,784 - Handling Instant Payment beneficiary response [TransactionId=0121082612474530, Originator=BCITITM0XXX]*

- Step 4 - settlement phase processed
  - *2021-08-26 10:47:04,825 - Received settlement feedback: reference: "0121082612474530"*
  - *2021-08-26 10:47:04,826 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tipsplatform,ou=tips,o=88020,dc=sianet,dc=sia,dc=eu", receiver: "cn=bcititmmxxxpay,ou=crt,ou=tips,o=03069,dc=sianet,dc=sia,dc=eu", message-biz-id: "0121082612474530" }*
  - *2021-08-26 10:47:04,827 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474530" }*
  - *2021-08-26 10:47:04,827 - Message successfully sent*
  - *2021-08-26 10:47:04,828 - Message successfully sent*

Buna

- *Balance of the relevant Buna accounts denominated in JOD before the settlement of the four transactions.*

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN
JONBJOAX-NRTPA-JOD	3,000,032.08	NRTPA	JOD	0.00	0.00	
ARODAEA2-NRTPA-JOD	2,999,967.92	NRTPA	JOD	0.00	0.00	
JONBJOAX-NRTSLA-JOD	99,999.00	NRTSLA	JOD	0.00	0.00	
BMISEGCX-NRTSLA-JOD	99,966.92	NRTSLA	JOD	0.00	0.00	
SLRA-EGP	0.00	SLRA	EGP	0.00	0.00	
SLRA-JOD	0.00	SLRA	JOD	0.00	0.00	
PRA-AED	0.00	PRA	AED	0.00	0.00	
PRA-JOD	0.00	PRA	JOD	0.00	0.00	
SLRA-AED	0.00	SLRA	AED	0.00	0.00	
PRA-EGP	0.00	PRA	EGP	0.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Outgoing Messages — Table shows 5/32 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
ARODAEA2AXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 08:00:20

- *Balance of the relevant Buna accounts denominated in JOD after the settlement of the four transactions.*

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN
JONBJOAX-NRTPA-JOD	3,000,042.16	NRTPA	JOD	0.00	4.00	
ARODAEA2-NRTPA-JOD	2,999,957.84	NRTPA	JOD	4.00	0.00	
JONBJOAX-NRTSLA-JOD	100,009.08	NRTSLA	JOD	0.00	4.00	
BMISEGCX-NRTSLA-JOD	99,956.84	NRTSLA	JOD	4.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Positions NRT — Table shows 9/15 record(s)

Last payments list — Table shows 4/4 record(s)

REQUEST_NUM	DEBIT_ACC	DEBIT_BIC	CREDIT_ACC	CREDIT_BIC	STATUS	AMOUNT	PRIORITY
AROD210826000005	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000004	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000003	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000002	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100

Incoming Messages — Table shows 10/10 record(s)

Sender	Message Type	Message...	Status Descri...	Timestamp
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:59:06.252
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:57.340
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:58:17.861
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:02.994
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:53:45.290
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:53:33.907
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:47:03.552
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:46:52.599

Outgoing Messages — Table shows 20/72 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:57
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:03
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:53:34
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:46:52

- *Message audit at Buna portal – part 1*

Message audit

with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

41 row(s)

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45.392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45.332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33.934	from IPS (IPS VPN)
58418	Single currency customer transfer	MX	pacs.008.001.08	D000000000002604	AROD210826000003		26.08.2021 12:53:33.833	to IPS (IPS VPN)
58417	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474533	0121082612474533		26.08.2021 12:53:33.764	from TIPS
58416	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474530	0121082612474530	0121082612474530	26.08.2021 12:47:05.003	from TIPS
58415	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509360/002	M9509360/002	M9509360/002	26.08.2021 12:47:04.891	from TIPS
58414	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	1689aab6-22cf-40fe-876d-d684b6dee74c		M9509360/002	26.08.2021 12:47:03.738	from TIPS
58413	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509360/002	M9509360/002	0121082612474530	26.08.2021 12:47:03.660	to TIPS
58412	Status message	MX	pacs.002.001.10	M9509360/002	M9509360/002	AROD210826000002	26.08.2021 12:47:03.592	from IPS (IPS VPN)
58411	Acknowledgement	JSON	ACK	D000000000002603			26.08.2021 12:46:52.625	from IPS (IPS VPN)
58410	Single currency customer transfer	MX	pacs.008.001.08	D000000000002603	AROD210826000002		26.08.2021 12:46:52.539	to IPS (IPS VPN)
58339	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474530	0121082612474530		26.08.2021 12:46:52.485	from TIPS
58338	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474524	0121082612474524	0121082612474524	26.08.2021 12:44:09.790	from TIPS
58337	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509359/002	M9509359/002	M9509359/002	26.08.2021 12:44:09.722	from TIPS
58336	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	c3887941-acac-4654-bd85-f31caac98953		M9509359/002	26.08.2021 12:44:09.255	from TIPS
58335	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509359/002	M9509359/002	0121082612474524	26.08.2021 12:44:09.099	to TIPS
58334	Status message	MX	pacs.002.001.10	M9509359/002	M9509359/002	AROD210826000001	26.08.2021 12:44:08.864	from IPS (IPS VPN)
58333	Acknowledgement	JSON	ACK	D000000000002602			26.08.2021 12:43:35.968	from IPS (IPS VPN)
58332	Single currency customer transfer	MX	pacs.008.001.08	D000000000002602	AROD210826000001		26.08.2021 12:43:35.680	to IPS (IPS VPN)
58331	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474524	0121082612474524		26.08.2021 12:43:35.308	from TIPS
58330	Incoming Message	MX	camt.019.001.07				26.08.2021 09:00:00.276	from IPS (IPS VPN)

Buna TIPS Portal

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03.BUNA Business window 26.08.2021

- *Message audit at Buna portal – part 2*

BUNA PORTAL   Capture ▾   Monitoring ▾   Dictionary ▾   Reports ▾   Admin ▾   0 ☰ Tasks   0 ❗   ✉   💬⚠   ARODAEAD2Maker ▾

Message audit
with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

🔍 Search   41 row(s)

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58580	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474537	0121082612474537	0121082612474537	26.08.2021 12:59:06 999	from TIPS
58529	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509363/002	M9509363/002	M9509363/002	26.08.2021 12:59:06 930	from TIPS
58528	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	3287854f-0b1e-4806-af68-83422fa131b7		M9509363/002	26.08.2021 12:59:06 435	from TIPS
58527	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509363/002	M9509363/002	0121082612474537	26.08.2021 12:59:06 355	to TIPS
58526	Status message	MX	pacs.002.001.10	M9509363/002	M9509363/002	AROD210826000005	26.08.2021 12:59:06 294	from IPS (IPS VPN)
58525	Acknowledgement	JSON	ACK	D000000000002606			26.08.2021 12:58:57 367	from IPS (IPS VPN)
58524	Single currency customer transfer	MX	pacs.008.001.08	D000000000002606	AROD210826000005		26.08.2021 12:58:57 284	to IPS (IPS VPN)
58523	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474537	0121082612474537		26.08.2021 12:58:57 202	from TIPS
58522	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474535	0121082612474535	0121082612474535	26.08.2021 12:58:18 508	from TIPS
58521	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509362/002	M9509362/002	M9509362/002	26.08.2021 12:58:18 381	from TIPS
58520	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	e940f6e1-2674-4c1c-a506-13ad3d88c9f6		M9509362/002	26.08.2021 12:58:18 020	from TIPS
58479	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509362/002	M9509362/002	0121082612474535	26.08.2021 12:58:17 950	to TIPS
58478	Status message	MX	pacs.002.001.10	M9509362/002	M9509362/002	AROD210826000004	26.08.2021 12:58:17 899	from IPS (IPS VPN)
58477	Acknowledgement	JSON	ACK	D000000000002605			26.08.2021 12:58:03 022	from IPS (IPS VPN)
58476	Single currency customer transfer	MX	pacs.008.001.08	D000000000002605	AROD210826000004		26.08.2021 12:58:02 927	to IPS (IPS VPN)
58475	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474535	0121082612474535		26.08.2021 12:58:02 859	from TIPS
58474	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474533	0121082612474533	0121082612474533	26.08.2021 12:53:46 250	from TIPS
58473	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509361/002	M9509361/002	M9509361/002	26.08.2021 12:53:45 083	from TIPS
58472	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	2300a4f7-660c-4139-8c81-abf3b2092be2		M9509361/002	26.08.2021 12:53:45 471	from TIPS
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45 392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45 332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33 934	from IPS (IPS VPN)

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Jordan Ahli Bank

- *Step 1: reception of the pacs.008 version 8 from Buna*

Msg Type:	PACS.008.001.08	OwnBic/CP.BIC:	JONBJOAXXXX / BUNNAEAAXXX	CP Account:	
Msg ID:	28550	Amount:	2 JOD	Creation:	2021-08-26 11:45:28 SYSTEM
Pay Info Id:		Dir/Src/NW/BO:	NWBO / WebInterface / SwiftInstGW / ---	Last Modif.:	2021-08-26 11:45:36
Trans ID:	AROD210826000002	Agr/Unit:	TRNSFR / ---	Value Date :	2021-08-26
EndToEnd:	ETE6582106564NX	Code/SvcLevel:	--- / 0100	Status :	Authorized / None
Inst. Ref:	0121082612474530	ThirdPartyID:		Svc ID/Purp. :	--- /
MicrCode:		ChequeNbr:		Order:	
UETR:		Assigned User:		MsgType.IN:	pacs.008.001.08
CustomerId:		ClrSysRef:			

InstgAgt:	ARODAEA2		InstdAgt:	
Debt Agt:	ARODAEA2		Acc / IBAN :	ARODAEA2-NRTPA-JOD
Debtor :			Acc / IBAN :	IT21J0306901000100000141463
Info :	INTERCOSTRUZIONI SPA VIA CANDIDO VIBERTI 6			
Cred Agt :			Acc / IBAN :	JONBJOAX-NRTPA-JOD
Creditor :			Acc / IBAN :	JO51JONB0120000000001000691093
Info :	BUNA IPS NOTPROVIDED		Int. for Creditor Agt. :	
Notes :	JONBJOAXXXX,0.84,2.52,JOD			

- *Step 2: Ahli Bank's Internal journal*

The log below shows the full trace from the moment the pacs.008 was received by the system untill the moment the Pacs.002 was generated and sent to the GW. The Pacs.008 message was received on 26 August 2021 at 11:45:27.620 (Beirut/Jordan Time).

creationdatetime	description
2021-08-26 11:45:38.897	NWToSys~Response File has been successfully written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_202108261145
2021-08-26 11:45:38.890	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"TechnicalAck","messageId":"JONBJOAXB04583","serv
2021-08-26 11:45:37.777	SysToNW~ SendResponseUsingJSON: Response : {"sendTimestamp":"2021-08-26T08:47:03.216833Z","messageNetworkRef"}
2021-08-26 11:45:36.420	SysToNW~ SendRequestUsingJSON: Request with: {"messageId":"JONBJOAXB04583","version":"1","service":"buna ipsp",
2021-08-26 11:45:36.403	SysToNW~JONBJOAXF05170.xml
2021-08-26 11:45:36.397	SysToNW~AROD210826000002~ETE6582106564NX~WaitForProcess~ReadyToSend~WaitForProcess~Sent
2021-08-26 11:45:36.390	SysToNW~AROD210826000002~ETE6582106564NX~Authorized~None~Authorized~None
2021-08-26 11:45:36.363	SysToNW~JONBJOAXF05170.xml~1~AROD210826000002~SwiftInstGW
2021-08-26 11:45:35.233	Sys~AROD210826000002~ETE6582106564NX~None~None~WaitForProcess~ReadyToSend
2021-08-26 11:45:35.227	Sys~AROD210826000002~ETE6582106564NX~TempAuthorized~None~Authorized~None
2021-08-26 11:45:35.200	Sys~JONBJOAXF05169.xml~1~AROD210826000002
2021-08-26 11:45:35.120	Sys~AROD210826000002~ETE6582106564NX~
2021-08-26 11:45:35.117	Sys~AROD210826000002~ETE6582106564NX~Received~None~TempAuthorized~None
2021-08-26 11:45:35.110	10-Always
2021-08-26 11:45:35.090	Sys~ WSIPSPROCESSPACS008Response Indicator: Success
2021-08-26 11:45:35.087	Sys~WSIPSPROCESSPACS008Response: <?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S='http://schemas.xmlso
2021-08-26 11:45:28.843	Sys~WSIPSPROCESSPACS008: <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jab=
2021-08-26 11:45:28.817	Sys~AROD210826000002~ETE6582106564NX~.
2021-08-26 11:45:28.810	Sys~AROD210826000002~ETE6582106564NX~TempReceived~None~Received~None
2021-08-26 11:45:28.807	10-Always
2021-08-26 11:45:28.760	NWToSys~File: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_20210826114527_10c7.xml, has been moved to the success directo
2021-08-26 11:45:28.750	NWToSys~AROD210826000002~ETE6582106564NX~None~None~TempReceived~None
2021-08-26 11:45:28.730	NWToSys~JONBJOAXXXX_20210826114527_10c7.xml~1~AROD210826000002~SwiftInstGW
2021-08-26 11:45:28.727	NWToSys~JONBJOAXXXX_20210826114527_10c7.xml~1~AROD210826000002
2021-08-26 11:45:27.647	NWToSys~Response File has been successfully written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_2021082611452
2021-08-26 11:45:27.620	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"ReceiveIndication","messageId":"20788f12-edf2-4ad4-9

Starting from the bottom to the top, four steps are identified in the log:

- Step 1: The message was received from Swift GW at 11:45:27.620, the system had done all the necessary validations, inserted it in the DB and called the Bank's API at 11:45:28.843. The time spent here was around 1 second.

- Step 2: The API sent back the response at 11:45:35.087. The response was received after around 6 seconds.
- Step 3: The system processed the response, created the correspondent Pacs.002 message and sent the response to the Swift Instant Gateway at 11:45:36.420. The time spent here was around 1.3 second.
- Step 4: The gateway response was received at 11:45:37.777. The response was received after around 1.3 seconds. The technical Ack was received at 11:45:38.890.

2. TxID: 0121082612474533 – settlement time 14 seconds

Intesa Sanpaolo

TIPS

- Step 1 - pacs.008 received from Intesa
  - *2021-08-26 10:53:33,579 - Handling Instant Payment request [TxId=0121082612474533]*

- Step 2 - conditional settlement phase processed
  - *2021-08-26 10:53:33,627 - Received conditional settlement feedback: reference: "0121082612474533"*
  - *2021-08-26 10:53:33,629 - Outbound message: { msg-type: "pacs.008.001.02", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474533" }*
  - *2021-08-26 10:53:33,631 - Message successfully sent*

- Step 3 - pacs.002 received from Buna
  - *2021-08-26 10:53:45,879 - Handling Instant Payment beneficiary response [TransactionId=0121082612474533, Originator=BCITITM0XXX]*

- Step 4 - settlement phase processed
  - *2021-08-26 10:53:46,009 - Received settlement feedback: reference: "0121082612474533"*
  - *2021-08-26 10:53:46,010 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tipsplatform,ou=tips,o=88020,dc=sianet,dc=sia,dc=eu", receiver: "cn=bcititmmxxxpay,ou=crt,ou=tips,o=03069,dc=sianet,dc=sia,dc=eu", message-biz-id: "0121082612474533" }*
  - *2021-08-26 10:53:46,012 - Message successfully sent*
  - *2021-08-26 10:53:46,111 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474533" }*
  - *2021-08-26 10:53:46,113 - Message successfully sent*

Buna

- *Balance of the involved Buna accounts denominated in JOD before the settlement of the four transactions.*

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN
JONBJOAX-NRTPA-JOD	3,000,032.08	NRTPA	JOD	0.00	0.00	
ARODAEA2-NRTPA-JOD	2,999,967.92	NRTPA	JOD	0.00	0.00	
JONBJOAX-NRTSLA-JOD	99,999.00	NRTSLA	JOD	0.00	0.00	
BMISEGCX-NRTSLA-JOD	99,966.92	NRTSLA	JOD	0.00	0.00	
SLRA-EGP	0.00	SLRA	EGP	0.00	0.00	
SLRA-JOD	0.00	SLRA	JOD	0.00	0.00	
PRA-AED	0.00	PRA	AED	0.00	0.00	
PRA-JOD	0.00	PRA	JOD	0.00	0.00	
SLRA-AED	0.00	SLRA	AED	0.00	0.00	
PRA-EGP	0.00	PRA	EGP	0.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Outgoing Messages — Table shows 5/32 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
ARODAEA2AXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 08:00:20

- *Balance of the involved Buna accounts denominated in JOD after the settlement of the four transactions.*

Positions NRT — Table shows 9/15 record(s)

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN(
JONBJOAX-NRTPA-JOD	3,000,042.16	NRTPA	JOD	0.00	4.00	
ARODAEA2-NRTPA-JOD	2,999,957.84	NRTPA	JOD	4.00	0.00	
JONBJOAX-NRTSLA-JOD	100,009.08	NRTSLA	JOD	0.00	4.00	
BMISEGCX-NRTSLA-JOD	99,956.84	NRTSLA	JOD	4.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Last payments list — Table shows 4/4 record(s)

REQUEST_NUM	DEBIT_ACC	DEBIT_BIC	CREDIT_ACC	CREDIT_BIC	STATUS	AMOUNT	PRIORITY
AROD210826000005	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000004	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000003	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000002	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100

Incoming Messages — Table shows 10/10 record(s)

Sender	Message Type	Message...	Status Descri...	Timestamp
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:59:06.252
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:57.340
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:58:17.861
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:02.994
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:53:45.290
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:53:33.907
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:47:03.552
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:46:52.599

Outgoing Messages — Table shows 20/72 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:57
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:03
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:53:34
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:46:52

- *Message audit at Buna portal – part 1*

Message audit

with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

41 row(s)

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45.392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45.332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33.934	from IPS (IPS VPN)
58418	Single currency customer transfer	MX	pacs.008.001.08	D000000000002604	AROD210826000003		26.08.2021 12:53:33.833	to IPS (IPS VPN)
58417	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474533	0121082612474533		26.08.2021 12:53:33.764	from TIPS
58416	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474530	0121082612474530	0121082612474530	26.08.2021 12:47:05.003	from TIPS
58415	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509360/002	M9509360/002	M9509360/002	26.08.2021 12:47:04.891	from TIPS
58414	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	1689aab6-22cf-40fe-876d-d684b6dee74c		M9509360/002	26.08.2021 12:47:03.738	from TIPS
58413	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509360/002	M9509360/002	0121082612474530	26.08.2021 12:47:03.050	to TIPS
58412	Status message	MX	pacs.002.001.10	M9509360/002	M9509360/002	AROD210826000002	26.08.2021 12:47:03.502	from IPS (IPS VPN)
58411	Acknowledgement	JSON	ACK	D000000000002603			26.08.2021 12:46:52.025	from IPS (IPS VPN)
58410	Single currency customer transfer	MX	pacs.008.001.08	D000000000002603	AROD210826000002		26.08.2021 12:46:52.539	to IPS (IPS VPN)
58339	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474530	0121082612474530		26.08.2021 12:46:52.485	from TIPS
58338	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474524	0121082612474524	0121082612474524	26.08.2021 12:44:09.790	from TIPS
58337	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509359/002	M9509359/002	M9509359/002	26.08.2021 12:44:09.722	from TIPS
58336	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	c3887941-acac-4654-bd85-f31caac98953		M9509359/002	26.08.2021 12:44:09.255	from TIPS
58335	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509359/002	M9509359/002	0121082612474524	26.08.2021 12:44:09.099	to TIPS
58334	Status message	MX	pacs.002.001.10	M9509359/002	M9509359/002	AROD210826000001	26.08.2021 12:44:08.864	from IPS (IPS VPN)
58333	Acknowledgement	JSON	ACK	D000000000002602			26.08.2021 12:43:35.968	from IPS (IPS VPN)
58332	Single currency customer transfer	MX	pacs.008.001.08	D000000000002602	AROD210826000001		26.08.2021 12:43:35.680	to IPS (IPS VPN)
58331	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474524	0121082612474524		26.08.2021 12:43:35.308	from TIPS
58330	Incoming Message	MX	camt.019.001.07				26.08.2021 09:00:00.276	from IPS (IPS VPN)

Buna TIPS Portal

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03.BUNA Business window 26.08.2021

- *Message audit at Buna portal – part 2*

| BUNA PORTAL | Capture ▾ | Monitoring ▾ | Dictionary ▾ | Reports ▾ | Admin ▾ | | | 0 ⊞ Tasks | 0 ❗ | ✉ | 💬⚠ | ARODAEAD2Maker ▾ |

Message audit
with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

Search   41 row(s)

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58580	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474537	0121082612474537	0121082612474537	26.08.2021 12:59:06 999	from TIPS
58529	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509363/002	M9509363/002	M9509363/002	26.08.2021 12:59:06 930	from TIPS
58528	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	3287854f-0b1e-4806-af68-83422fa131b7		M9509363/002	26.08.2021 12:59:06 435	from TIPS
58527	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509363/002	M9509363/002	0121082612474537	26.08.2021 12:59:06 355	to TIPS
58526	Status message	MX	pacs.002.001.10	M9509363/002	M9509363/002	AROD210826000005	26.08.2021 12:59:06 294	from IPS (IPS VPN)
58525	Acknowledgement	JSON	ACK	D000000000002606			26.08.2021 12:58:57 367	from IPS (IPS VPN)
58524	Single currency customer transfer	MX	pacs.008.001.08	D000000000002606	AROD210826000005		26.08.2021 12:58:57 284	to IPS (IPS VPN)
58523	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474537	0121082612474537		26.08.2021 12:58:57 202	from TIPS
58522	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474535	0121082612474535	0121082612474535	26.08.2021 12:58:18 598	from TIPS
58521	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509362/002	M9509362/002	M9509362/002	26.08.2021 12:58:18 381	from TIPS
58520	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	e940f6e1-2674-4c1c-a506-13ad3d88c9f6		M9509362/002	26.08.2021 12:58:18 020	from TIPS
58479	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509362/002	M9509362/002	0121082612474535	26.08.2021 12:58:17 950	to TIPS
58478	Status message	MX	pacs.002.001.10	M9509362/002	M9509362/002	AROD210826000004	26.08.2021 12:58:17 899	from IPS (IPS VPN)
58477	Acknowledgement	JSON	ACK	D000000000002605			26.08.2021 12:58:03 022	from IPS (IPS VPN)
58476	Single currency customer transfer	MX	pacs.008.001.08	D000000000002605	AROD210826000004		26.08.2021 12:58:02 927	to IPS (IPS VPN)
58475	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474535	0121082612474535		26.08.2021 12:58:02 859	from TIPS
58474	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474533	0121082612474533	0121082612474533	26.08.2021 12:53:46 250	from TIPS
58473	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509361/002	M9509361/002	M9509361/002	26.08.2021 12:53:45 983	from TIPS
58472	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	2300a4f7-660c-4139-8c81-abf3b2092be2		M9509361/002	26.08.2021 12:53:45 471	from TIPS
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45 392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45 332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33 934	from IPS (IPS VPN)

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Jordan Ahli Bank

- *Step 1: reception of the pacs.008 version 8 from Buna*

Msg Type:	PACS.008.001.08	OwnBic/CP.BIC:	JONBJOAXXXX / BUNNAEAAXXX	CP Account:		
Msg ID:	28553	Amount:	2 JOD	Creation:	2021-08-26 11:52:09	SYSTEM
Pay Info Id:		Dir/Src/NW/BIO:	NWBO / WebInterface / SwiftInstGW/ ---	Last Modif.:	2021-08-26 11:52:18	
Trans ID:	AROD210826000003	Agr/Unit:	TRNSFR / ---	Value Date :	2021-08-26	
EndToEnd:	ETE1359708350NX	Code/SvcLevel:	--- / 0100	Status :	Authorized / None	
Inst. Ref:	0121082612474533	ThirdPartyID:		Svc ID/Purp. :	--- /	
MicrCode:		ChequeNbr:		Order:		
UETR:		Assigned User:		MsgType.IN:	pacs.008.001.08	
CustomerId:		ClrSysRef:				

InstgAgt:	ARODAEA2	InstdAgt:	
Debt Agt:	ARODAEA2	Acc / IBAN :	ARODAEA2-NRTPA-JOD
Debtor :		Acc / IBAN :	IT21J0306901000100000141463
Info :	INTERCOSTRUZIONI SPA VIA CANDIDO VIBERTI 6		
Cred Agt :		Acc / IBAN :	JONBJOAX-NRTPA-JOD
Creditor :		Acc / IBAN :	JO51JONB0120000000001000691093
Info :	BUNA IPS NOTPROVIDED	Int. for Creditor Agt. :	
Notes :	JONBJOAXXXX 0.84,2.52,JOD		

- *Step 2: Ahli Bank's Internal journal*

The log below shows the full trace from the moment the pacs.008 was received by the system untill the moment the Pacs.002 was generated and sent to the GW. The Pacs.008 message was received on 26 August 2021 at 11:52:08.810 (Beirut/Jordan Time).

creationdatetime	description
2021-08-26 11:52:19.793	NWToSys~Response File has been successfuly written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAX
2021-08-26 11:52:19.773	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"TechnicalAck","messageId":"JONE
2021-08-26 11:52:19.450	SysToNW~ SendResponseUsingJSON: Response : {"sendTimestamp":"2021-08-26T08:53:45.097622Z","n
2021-08-26 11:52:18.793	SysToNW~ SendRequestUsingJSON: Request with: {"messageId":"JONBJOAXB04584","version":"1","Serv
2021-08-26 11:52:18.777	SysToNW~JONBJOAXF05172.xml
2021-08-26 11:52:18.770	SysToNW~AROD210826000003~ETE1359708350NX~WaitForProcess~ReadyToSend~WaitForProcess~Se
2021-08-26 11:52:18.767	SysToNW~AROD210826000003~ETE1359708350NX~Authorized~None~Authorized~None
2021-08-26 11:52:18.740	SysToNW~JONBJOAXF05172.xml~1~AROD210826000003~SwiftInstGW
2021-08-26 11:52:17.613	Sys~AROD210826000003~ETE1359708350NX~None~None~WaitForProcess~ReadyToSend
2021-08-26 11:52:17.607	Sys~AROD210826000003~ETE1359708350NX~TempAuthorized~None~Authorized~None
2021-08-26 11:52:17.580	Sys~JONBJOAXF05171.xml~1~AROD210826000003
2021-08-26 11:52:17.510	Sys~AROD210826000003~ETE1359708350NX~(
2021-08-26 11:52:17.503	Sys~AROD210826000003~ETE1359708350NX~Received~None~TempAuthorized~None
2021-08-26 11:52:17.497	10-Always
2021-08-26 11:52:17.480	Sys~ WSIPSPROCESSPACS008Response Indicator: Success
2021-08-26 11:52:17.473	Sys~WSIPSPROCESSPACS008Response: <?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S="
2021-08-26 11:52:09.827	Sys~WSIPSPROCESSPACS008: <soapenv:Envelope xmlns soapenv="http://schemas.xmlsoap.org/soap/ev
2021-08-26 11:52:09.800	Sys~AROD210826000003~ETE1359708350NX~.\
2021-08-26 11:52:09.793	Sys~AROD210826000003~ETE1359708350NX~TempReceived~None~Received~None
2021-08-26 11:52:09.790	10-Always
2021-08-26 11:52:09.747	NWToSys~File: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_20210826115208_0d40.xml, has been moved
2021-08-26 11:52:09.733	NWToSys~AROD210826000003~ETE1359708350NX~None~None~TempReceived~None
2021-08-26 11:52:09.713	NWToSys~JONBJOAXXXX_20210826115208_0d40.xml~1~AROD210826000003~SwiftInstGW
2021-08-26 11:52:09.710	NWToSys~JONBJOAXXXX_20210826115208_0d40.xml~1~AROD210826000003
2021-08-26 11:52:08.837	NWToSys~Response File has been successfully written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAX
2021-08-26 11:52:08.810	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"ReceiveIndication","messageId":"

Starting from the bottom to the top, four steps are identified in the log:

- Step 1: The message had been received from Swift GW at 11:52:08.810, the system had done all the necessary validations, inserted it in the DB and called the Bank's API at 11:52:09.827. The time spent here is around 1 second.
- Step 2: The API had sent back the response at 11:52:17.473. The response was received after around 7.6 seconds.

- Step 3: The system had processed the response, created the correspondent Pacs.002 message and had sent the response to the Swift Instant Gateway at 11:52:18.793. Time spent here is around 1.3 second.
- Step 4: The gateway response was received at 11:52:19.450. The response was received after around 0.6 seconds. The technical Ack was received at 11:52:19.773.

3. **TxID: 0121082612474535 – settlement time 17 seconds**

<u>Intesa Sanpaolo</u>

<u>TIPS</u>

- Step 1 - pacs.008 received
  - *2021-08-26 10:58:02,534 - Handling Instant Payment request [TxId=0121082612474535]*

- Step 2 - conditional settlement phase processed
  - *2021-08-26 10:58:02,569 - Received conditional settlement feedback: reference: "0121082612474535"*
  - *2021-08-26 10:58:02,570 - Outbound message: { msg-type: "pacs.008.001.02", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474535" }*
  - *2021-08-26 10:58:02,572 - Message successfully sent*

- Step 3 - pacs.002 received
  - *2021-08-26 10:58:18,275 - Handling Instant Payment beneficiary response [TransactionId=0121082612474535, Originator=BCITITM0XXX]*

- Step 4 - settlement phase processed
  - *2021-08-26 10:58:18,312 - Received settlement feedback: reference: "0121082612474535"*
  - *2021-08-26 10:58:18,314 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tipsplatform,ou=tips,o=88020,dc=sianet,dc=sia,dc=eu", receiver: "cn=bcititmmxxxpay,ou=crt,ou=tips,o=03069,dc=sianet,dc=sia,dc=eu", message-biz-id: "0121082612474535" }*
  - *2021-08-26 10:58:18,315 - Message successfully sent*
  - *2021-08-26 10:58:18,317 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474535" }*
  - *2021-08-26 10:58:18,318 - Message successfully sent*

Buna

- *Balance of the involved Buna accounts denominated in JOD before the settlement of the four transactions.*

Positions NRT — Table shows 15/15 record(s)

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN
JONBJOAX-NRTPA-JOD	3,000,032.08	NRTPA	JOD	0.00	0.00	
ARODAEA2-NRTPA-JOD	2,999,967.92	NRTPA	JOD	0.00	0.00	
JONBJOAX-NRTSLA-JOD	99,999.00	NRTSLA	JOD	0.00	0.00	
BMISEGCX-NRTSLA-JOD	99,966.92	NRTSLA	JOD	0.00	0.00	
SLRA-EGP	0.00	SLRA	EGP	0.00	0.00	
SLRA-JOD	0.00	SLRA	JOD	0.00	0.00	
PRA-AED	0.00	PRA	AED	0.00	0.00	
PRA-JOD	0.00	PRA	JOD	0.00	0.00	
SLRA-AED	0.00	SLRA	AED	0.00	0.00	
PRA-EGP	0.00	PRA	EGP	0.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Last payments list — Table shows 0/0 record(s)

REQUEST_NUM	DEBIT_ACC	DEBIT_BIC	CREDIT_ACC	CREDIT_BIC	STATUS	AMOUNT	PRIORITY	O

Incoming Messages — Table shows 0/0 record(s)

Sender	Message Type	Message...	Status Descri...		Timestamp

Outgoing Messages — Table shows 5/32 record(s)

Message Receiver LT	Message Type	Status		Timestamp
JONBJOAXAXXX	camt.019.001.07	Successfully sent		26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent		26.08.2021 09:00:00
ARODAEA2AXXX	camt.019.001.07	Successfully sent		26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent		26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent		26.08.2021 08:00:20

- *Balance of the involved Buna accounts denominated in JOD after the settlement of the four transactions.*

← → C ⚠ Not secure | 10.3.134.12:8080/PSWA/PSWA

File Workspaces Tools Help

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Positions NRT ⊠ — Table shows 9/15 record(s)

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN(
JONBJOAX-NRTPA-JOD	3,000,042.16	NRTPA	JOD	0.00	4.00	
ARODAEA2-NRTPA-JOD	2,999,957.84	NRTPA	JOD	4.00	0.00	
JONBJOAX-NRTSLA-JOD	100,009.08	NRTSLA	JOD	0.00	4.00	
BMISEGCX-NRTSLA-JOD	99,956.84	NRTSLA	JOD	4.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Last payments list ⊠ — Table shows 4/4 record(s)

REQUEST_NUM	DEBIT_ACC	DEBIT_BIC	CREDIT_ACC	CREDIT_BIC	STATUS	AMOUNT	PRIORITY
AROD210826000005	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000004	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000003	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000002	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100

Incoming Messages ⊠ — Table shows 10/10 record(s)

Sender	Message Type	Message...	Status Descri...	Timestamp
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:59:06.252
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:57.340
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:58:17.861
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:02.994
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:53:45.290
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:53:33.907
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:47:03.552
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:46:52.599

Outgoing Messages ⊠ — Table shows 20/72 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:57
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:03
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:53:34
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:46:52

- *Message audit at Buna portal – part 1*

BUNA PORTAL   Capture ▾   Monitoring ▾   Dictionary ▾   Reports ▾   Admin ▾   **0** ▤ Tasks   **0 !** ✉ 💬⚠   ARODAEAD2Maker ▾

Message audit

with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

🔍 Search

41 row(s) ⟳ ☰ ✕

ID	Subject	Content type	Type	Message reference	Reference	Related reference	↓⫶ Creation date	Direction
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45.392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45.332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33.934	from IPS (IPS VPN)
58418	Single currency customer transfer	MX	pacs.008.001.08	D000000000002604	AROD210826000003		26.08.2021 12:53:33.833	to IPS (IPS VPN)
58417	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474533	0121082612474533		26.08.2021 12:53:33.764	from TIPS
58416	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474530	0121082612474530	0121082612474530	26.08.2021 12:47:05.003	from TIPS
58415	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509360/002	M9509360/002	M9509360/002	26.08.2021 12:47:04.891	from TIPS
58414	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	1689aab6-22cf-40fe-876d-d684b6dee74c		M9509360/002	26.08.2021 12:47:03.738	from TIPS
58413	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509360/002	M9509360/002	0121082612474530	26.08.2021 12:47:03.050	to TIPS
58412	Status message	MX	pacs.002.001.10	M9509360/002	M9509360/002	AROD210826000002	26.08.2021 12:47:03.502	from IPS (IPS VPN)
58411	Acknowledgement	JSON	ACK	D000000000002603			26.08.2021 12:46:52.825	from IPS (IPS VPN)
58410	Single currency customer transfer	MX	pacs.008.001.08	D000000000002603	AROD210826000002		26.08.2021 12:46:52.539	to IPS (IPS VPN)
58339	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474530	0121082612474530		26.08.2021 12:46:52.485	from TIPS
58338	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474524	0121082612474524	0121082612474524	26.08.2021 12:44:09.790	from TIPS
58337	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509359/002	M9509359/002	M9509359/002	26.08.2021 12:44:09.722	from TIPS
58336	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	c3887941-acac-4654-bd85-f31caac98953		M9509359/002	26.08.2021 12:44:09.255	from TIPS
58335	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509359/002	M9509359/002	0121082612474524	26.08.2021 12:44:09.099	to TIPS
58334	Status message	MX	pacs.002.001.10	M9509359/002	M9509359/002	AROD210826000001	26.08.2021 12:44:08.864	from IPS (IPS VPN)
58333	Acknowledgement	JSON	ACK	D000000000002602			26.08.2021 12:43:35.968	from IPS (IPS VPN)
58332	Single currency customer transfer	MX	pacs.008.001.08	D000000000002602	AROD210826000001		26.08.2021 12:43:35.680	to IPS (IPS VPN)
58331	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474524	0121082612474524		26.08.2021 12:43:35.308	from TIPS
58330	Incoming Message	MX	camt.019.001.07				26.08.2021 09:00:00.276	from IPS (IPS VPN)

- *Message audit at Buna portal – part 2*

BUNA PORTAL   Capture ▾   Monitoring ▾   Dictionary ▾   Reports ▾   Admin ▾   0 🗐 Tasks   0 ❗   ✉   💬⚠   ARODAEAD2Maker ▾

Message audit

🔍 Search   41 row(s)

with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58580	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474537	0121082612474537	0121082612474537	26.08.2021 12:59:06 999	from TIPS
58529	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509363/002	M9509363/002	M9509363/002	26.08.2021 12:59:06 930	from TIPS
58528	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	3287854f-0b1e-4806-af68-83422fa131b7		M9509363/002	26.08.2021 12:59:06 435	from TIPS
58527	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509363/002	M9509363/002	0121082612474537	26.08.2021 12:59:06 355	to TIPS
58526	Status message	MX	pacs.002.001.10	M9509363/002	M9509363/002	AROD210826000005	26.08.2021 12:59:06 294	from IPS (IPS VPN)
58525	Acknowledgement	JSON	ACK	D000000000002606			26.08.2021 12:58:57 367	from IPS (IPS VPN)
58524	Single currency customer transfer	MX	pacs.008.001.08	D000000000002606	AROD210826000005		26.08.2021 12:58:57 284	to IPS (IPS VPN)
58523	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474537	0121082612474537		26.08.2021 12:58:57 202	from TIPS
58522	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474535	0121082612474535	0121082612474535	26.08.2021 12:58:18 598	from TIPS
58521	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509362/002	M9509362/002	M9509362/002	26.08.2021 12:58:18 381	from TIPS
58520	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	e940f6e1-2674-4c1c-a506-13ad3d88c9f6		M9509362/002	26.08.2021 12:58:18 020	from TIPS
58479	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509362/002	M9509362/002	0121082612474535	26.08.2021 12:58:17 950	to TIPS
58478	Status message	MX	pacs.002.001.10	M9509362/002	M9509362/002	AROD210826000004	26.08.2021 12:58:17 899	from IPS (IPS VPN)
58477	Acknowledgement	JSON	ACK	D000000000002605			26.08.2021 12:58:03 022	from IPS (IPS VPN)
58476	Single currency customer transfer	MX	pacs.008.001.08	D000000000002605	AROD210826000004		26.08.2021 12:58:02 927	to IPS (IPS VPN)
58475	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474535	0121082612474535		26.08.2021 12:58:02 859	from TIPS
58474	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474533	0121082612474533	0121082612474533	26.08.2021 12:53:46 250	from TIPS
58473	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509361/002	M9509361/002	M9509361/002	26.08.2021 12:53:45 683	from TIPS
58472	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	2300a4f7-660c-4139-8c81-abf3b2092be2		M9509361/002	26.08.2021 12:53:45 471	from TIPS
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45 392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45 332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33 934	from IPS (IPS VPN)

Buna TIPS Portal   Version r31912.7 © 2007-2021 Highex AB   03.BUNA Business window 26.08.2021 ⊘

Jordan Ahli Bank

- *Step 1: reception of the pacs.008 version 8 from Buna*

- *Step 2: Ahli Bank's Internal journal*

The log below shows the full trace from the moment the pacs.008 was received by the system untill the moment the Pacs.002 was generated and sent to the GW. The Pacs.008 message was received on 26 August 2021 at 11:56:37.660 (Beirut/Jordan Time).

creationdatetime	description
2021-08-26 11:56:52.360	NWToSys~Response File has been successfully written. FileName: D:\SCBunalG\NW\MX\Input\JONBJOAXXXX_20210826115
2021-08-26 11:56:52.350	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"TechnicalAck","messageId":"JONBJOAXB04585","se
2021-08-26 11:56:51.877	SysToNW~ SendResponseUsingJSON: Response : {"sendTimestamp":"2021-08-26T08:58:17.5221872","messageNetworkRef
2021-08-26 11:56:49.783	SysToNW~ SendRequestUsingJSON: Request with: {"messageId":"JONBJOAXB04585","version":"1","service":"buna ipsp "
2021-08-26 11:56:49.767	SysToNW~JONBJOAXF05174.xml
2021-08-26 11:56:49.760	SysToNW~ ....210826000004~ETE7751477940NX~WaitForProcess~ReadyToSend~WaitForProcess~Sent
2021-08-26 11:56:49.757	SysToNW~AROD210826000004~ETE7751477940NX~Authorized~None~Authorized~None
2021-08-26 11:56:49.733	SysToNW~JONBJOAXF05174.xml~1~AROD210826000004~SwiftInstGW
2021-08-26 11:56:48.607	Sys~AROD210826000004~ETE7751477940NX~None~None~WaitForProcess~ReadyToSend
2021-08-26 11:56:48.603	Sys~AROD210826000004~ETE7751477940NX~TempAuthorized~None~Authorized~None
2021-08-26 11:56:48.573	Sys~JONBJOAXF05173.xml~1~AROD210826000004
2021-08-26 11:56:48.507	Sys~AROD210826000004~ETE7751477940NX~(
2021-08-26 11:56:48.497	Sys~AROD210826000004~ETE7751477940NX~Received~None~TempAuthorized~None
2021-08-26 11:56:48.497	10-Always
2021-08-26 11:56:48.477	Sys~ WSIPSPROCESSPACS008Response Indicator: Success
2021-08-26 11:56:48.470	Sys~WSIPSPROCESSPACS008Response: <?xml version="1.0" encoding="UTF-8"?> <S:Envelope xmlns:S="http://schemas.xmls
2021-08-26 11:56:38.187	Sys~WSIPSPROCESSPACS008: <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:jab
2021-08-26 11:56:38.160	Sys~AROD210826000004~ETE7751477940NX~
2021-08-26 11:56:38.153	Sys~AROD210826000004~ETE7751477940NX~TempReceived~None~Received~None
2021-08-26 11:56:38.147	10-Always
2021-08-26 11:56:38.087	NWToSys~File: D:\SCBunalG\NW\MX\Input\JONBJOAXXXX_20210826115637_eda4.xml, has been moved to the success direc
2021-08-26 11:56:38.077	NWToSys~AROD210826000004~ETE7751477940NX~None~None~TempReceived~None
2021-08-26 11:56:38.057	NWToSys~JONBJOAXXXX_20210826115637_eda4.xml~1~AROD210826000004~SwiftInstGW
2021-08-26 11:56:38.053	NWToSys~JONBJOAXXXX_20210826115637_eda4.xml~1~AROD210826000004
2021-08-26 11:56:37.690	NWToSys~Response File has been successfully written. FileName: D:\SCBunalG\NW\MX\Input\JONBJOAXXXX_202108261156
2021-08-26 11:56:37.660	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"ReceiveIndication","messageId":"7183d24e-9f13-4c47

Starting from the bottom to the top, four steps are identified in the log:

- Step 1: The message had been received from Swift GW at 11:56:37.660, the system had done all the necessary validations, inserted it in the DB and called the Bank's API at 11:56:38.187. The time spent here is around 0.5 second.
- Step 2: The API had sent back the response at 11:56:48.470. The response was received after around 10 seconds.

- Step 3: The system had processed the response, created the correspondent Pacs.002 message and had sent the response to the Swift Instant Gateway at 11:56:49.783. Time spent here is around 1.3 second.
- Step 4: The gateway response was received at 11:56:51.877. The response was received after around 2 seconds. The technical Ack was received at 11:56:52.350.

4. TxID: 0121082612474537 – settlement time 13 seconds

<u>Intesa Sanpaolo</u>

<u>TIPS</u>

- Step 1 - pacs.008 received
  - *2021-08-26 10:58:56,884 - Handling Instant Payment request [TxId=0121082612474537]*

- Step 2 - conditional settlement phase processed
  - *2021-08-26 10:58:56,919 - Received conditional settlement feedback: reference: "0121082612474537"*
  - *2021-08-26 10:58:56,920 - Outbound message: { msg-type: "pacs.008.001.02", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474537" }*
  - *2021-08-26 10:58:56,922 - Message successfully sent*

- Step 3 - pacs.002 received
  - *2021-08-26 10:59:06,825 - Handling Instant Payment beneficiary response [TransactionId=0121082612474537, Originator=BCITITM0XXX]*

- Step 4 - settlement phase processed
  - *2021-08-26 10:59:06,864 - Received settlement feedback: reference: "0121082612474537"*
  - *2021-08-26 10:59:06,867 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tipsplatform,ou=tips,o=88020,dc=sianet,dc=sia,dc=eu", receiver: "cn=bcititmmxxxpay,ou=crt,ou=tips,o=03069,dc=sianet,dc=sia,dc=eu", message-biz-id: "0121082612474537" }*
  - *2021-08-26 10:59:06,869 - Message successfully sent*
  - *2021-08-26 10:59:06,872 - Outbound message: { msg-type: "pacs.002.001.03", sender: "cn=tips,o=trgtxetp,o=swift", receiver: "cn=buna-ips,cn=test-memb,o=bunnaeaa,o=swift", message-biz-id: "0121082612474537" }*
  - *2021-08-26 10:59:06,873 - Message successfully sent*

Buna

- *Balance of the involved Buna accounts denominated in JOD before the settlement of the four transactions.*

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN(
JONBJOAX-NRTPA-JOD	3,000,032.08	NRTPA	JOD	0.00	0.00	
ARODAEA2-NRTPA-JOD	2,999,967.92	NRTPA	JOD	0.00	0.00	
JONBJOAX-NRTSLA-JOD	99,999.00	NRTSLA	JOD	0.00	0.00	
BMISEGCX-NRTSLA-JOD	99,966.92	NRTSLA	JOD	0.00	0.00	
SLRA-EGP	0.00	SLRA	EGP	0.00	0.00	
SLRA-JOD	0.00	SLRA	JOD	0.00	0.00	
PRA-AED	0.00	PRA	AED	0.00	0.00	
PRA-JOD	0.00	PRA	JOD	0.00	0.00	
SLRA-AED	0.00	SLRA	AED	0.00	0.00	
PRA-EGP	0.00	PRA	EGP	0.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Outgoing Messages — Table shows 5/32 record(s)

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
ARODAEA2AXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 09:00:00
JONBJOAXAXXX	camt.019.001.07	Successfully sent	26.08.2021 08:00:20

- *Balance of the involved Buna accounts denominated in JOD after the settlement of the four transactions.*

Positions NRT — Table shows 9/15 record(s) — Enter Filter

ACC_CODE	AVAI_POSITION	ACCNT_TYPE	CURRENCY_CODE	DEBIT_BATCHES	CREDIT_BATCHES	DEBIT_TURN
JONBJOAX-NRTPA-JOD	3,000,042.16	NRTPA	JOD	0.00	4.00	
ARODAEA2-NRTPA-JOD	2,999,957.84	NRTPA	JOD	4.00	0.00	
JONBJOAX-NRTSLA-JOD	100,009.08	NRTSLA	JOD	0.00	4.00	
BMISEGCX-NRTSLA-JOD	99,956.84	NRTSLA	JOD	4.00	0.00	
PTSASEAA-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
BMISEGCX-NRTPA-JOD	0.00	NRTPA	JOD	0.00	0.00	
PTSASEAC-NRTSLA-AED	0.00	NRTSLA	AED	0.00	0.00	
PTSASEAC-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	
PTSASEAA-NRTPA-AED	0.00	NRTPA	AED	0.00	0.00	

Last payments list — Table shows 4/4 record(s) — Enter Filter

REQUEST_NUM	DEBIT_ACC	DEBIT_BIC	CREDIT_ACC	CREDIT_BIC	STATUS	AMOUNT	PRIORITY
AROD210826000005	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000004	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000003	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100
AROD210826000002	ARODAEA2-NRTPA-JOD	ARODAEA2	JONBJOAX-NRTPA-JOD	JONBJOAX	Settled	2.52	100

Incoming Messages — Table shows 10/10 record(s) — Enter Filter

Sender	Message Type	Message...	Status Descri...	Timestamp
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:59:06.252
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:57.340
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:58:17.861
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:58:02.994
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:53:45.290
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:53:33.907
JONBJOAXAXXX	pacs.002.001.10	H	Handled	Aug 26, 2021 12:47:03.552
ARODAEA2AXXX	pacs.008.001.08	H	Handled	Aug 26, 2021 12:46:52.599

Outgoing Messages — Table shows 20/72 record(s) — Enter Filter

Message Receiver LT	Message Type	Status	Timestamp
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:59:06
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:57
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:58:17
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:58:03
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:53:45
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:53:34
JONBJOAXAXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
ARODAEA2AXXX	pacs.002.001.10	Successfully sent	26.08.2021 12:47:03
JONBJOAXAXXX	pacs.008.001.08	Successfully sent	26.08.2021 12:46:52

- *Message audit at Buna portal – part 1*

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45.392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45.332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33.934	from IPS (IPS VPN)
58418	Single currency customer transfer	MX	pacs.008.001.08	D000000000002604	AROD210826000003		26.08.2021 12:53:33.833	to IPS (IPS VPN)
58417	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474533	0121082612474533		26.08.2021 12:53:33.764	from TIPS
58416	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474530	0121082612474530	0121082612474530	26.08.2021 12:47:05.003	from TIPS
58415	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509360/002	M9509360/002	M9509360/002	26.08.2021 12:47:04.891	from TIPS
58414	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	1689aab6-22cf-40fe-876d-d684b6dee74c		M9509360/002	26.08.2021 12:47:03.738	from TIPS
58413	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509360/002	M9509360/002	0121082612474530	26.08.2021 12:47:03.060	to TIPS
58412	Status message	MX	pacs.002.001.10	M9509360/002	M9509360/002	AROD210826000002	26.08.2021 12:47:03.592	from IPS (IPS VPN)
58411	Acknowledgement	JSON	ACK	D000000000002603			26.08.2021 12:46:52.825	from IPS (IPS VPN)
58410	Single currency customer transfer	MX	pacs.008.001.08	D000000000002603	AROD210826000002		26.08.2021 12:46:52.539	to IPS (IPS VPN)
58339	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474530	0121082612474530		26.08.2021 12:46:52.485	from TIPS
58338	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474524	0121082612474524	0121082612474524	26.08.2021 12:44:09.790	from TIPS
58337	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509359/002	M9509359/002	M9509359/002	26.08.2021 12:44:09.722	from TIPS
58336	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	c3887941-acac-4654-bd85-f31caac98953		M9509359/002	26.08.2021 12:44:09.255	from TIPS
58335	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509359/002	M9509359/002	0121082612474524	26.08.2021 12:44:09.099	to TIPS
58334	Status message	MX	pacs.002.001.10	M9509359/002	M9509359/002	AROD210826000001	26.08.2021 12:44:08.864	from IPS (IPS VPN)
58333	Acknowledgement	JSON	ACK	D000000000002602			26.08.2021 12:43:35.968	from IPS (IPS VPN)
58332	Single currency customer transfer	MX	pacs.008.001.08	D000000000002602	AROD210826000001		26.08.2021 12:43:35.689	to IPS (IPS VPN)
58331	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474524	0121082612474524		26.08.2021 12:43:35.308	from TIPS
58330	Incoming Message	MX	camt.019.001.07				26.08.2021 09:00:00.276	from IPS (IPS VPN)

- *Message audit at Buna portal – part 2*

Browser address bar: 10.3.134.12:8934/portal/view/messageAudit/messageAuditList.xhtml

BUNA PORTAL   Capture ▾   Monitoring ▾   Dictionary ▾   Reports ▾   Admin ▾   0 📋 Tasks   0 ❗   ✉   💬⚠   ARODAEAD2Maker ▾

Message audit

with date from 26.08.2021 00:00:00 to 26.08.2021 23:59:00

Search   41 row(s)

ID	Subject	Content type	Type	Message reference	Reference	Related reference	Creation date	Direction
58580	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474537	0121082612474537	0121082612474537	26.08.2021 12:59:06 999	from TIPS
58529	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509363/002	M9509363/002	M9509363/002	26.08.2021 12:59:06 930	from TIPS
58528	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	3287854f-0b1e-4806-af68-83422fa131b7		M9509363/002	26.08.2021 12:59:06 435	from TIPS
58527	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509363/002	M9509363/002	0121082612474537	26.08.2021 12:59:06 355	to TIPS
58526	Status message	MX	pacs.002.001.10	M9509363/002	M9509363/002	AROD210826000005	26.08.2021 12:59:06 294	from IPS (IPS VPN)
58525	Acknowledgement	JSON	ACK	D000000000002606			26.08.2021 12:58:57 367	from IPS (IPS VPN)
58524	Single currency customer transfer	MX	pacs.008.001.08	D000000000002606	AROD210826000005		26.08.2021 12:58:57 284	to IPS (IPS VPN)
58523	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474537	0121082612474537		26.08.2021 12:58:57 202	from TIPS
58522	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474535	0121082612474535	0121082612474535	26.08.2021 12:58:18 508	from TIPS
58521	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509362/002	M9509362/002	M9509362/002	26.08.2021 12:58:18 381	from TIPS
58520	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	e940f6e1-2674-4c1c-a506-13ad3d88c9f6		M9509362/002	26.08.2021 12:58:18 020	from TIPS
58479	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509362/002	M9509362/002	0121082612474535	26.08.2021 12:58:17 950	to TIPS
58478	Status message	MX	pacs.002.001.10	M9509362/002	M9509362/002	AROD210826000004	26.08.2021 12:58:17 899	from IPS (IPS VPN)
58477	Acknowledgement	JSON	ACK	D000000000002605			26.08.2021 12:58:03 022	from IPS (IPS VPN)
58476	Single currency customer transfer	MX	pacs.008.001.08	D000000000002605	AROD210826000004		26.08.2021 12:58:02 927	to IPS (IPS VPN)
58475	Incoming TIPS message (ReceiveIndication)	JSON	pacs.008.001.02	0121082612474535	0121082612474535		26.08.2021 12:58:02 859	from TIPS
58474	Incoming TIPS message (ReceiveIndication)	JSON	pacs.002.001.03	0121082612474533	0121082612474533	0121082612474533	26.08.2021 12:53:46 250	from TIPS
58473	Incoming TIPS message (TechnicalAck)	JSON	ACK for pacs.002.001.03	M9509361/002	M9509361/002	M9509361/002	26.08.2021 12:53:45 983	from TIPS
58472	Incoming TIPS message (MessageSent)	JSON	ACK for pacs.002.001.03	2300a4f7-660c-4139-8c81-abf3b2092be2		M9509361/002	26.08.2021 12:53:45 471	from TIPS
58471	Outgoing TIPS message (SendMessage)	JSON	pacs.002.001.03	M9509361/002	M9509361/002	0121082612474533	26.08.2021 12:53:45 392	to TIPS
58470	Status message	MX	pacs.002.001.10	M9509361/002	M9509361/002	AROD210826000003	26.08.2021 12:53:45 332	from IPS (IPS VPN)
58419	Acknowledgement	JSON	ACK	D000000000002604			26.08.2021 12:53:33 934	from IPS (IPS VPN)

Buna TIPS Portal   Version r31912.7 © 2007-2021 Highex AB   03.BUNA Business window 26.08.2021 ⊘

Jordan Ahli Bank

- *Step 1: reception of the pacs.008 version 8 from Buna*

- *Step 2: Ahli Bank's Internal journal*

The log below shows the full trace from the moment the pacs.008 was received by the system untill the moment the Pacs.002 was generated and sent to the GW. The Pacs.008 message was received on 26 August 2021 at 11:57:32.203 (Beirut/Jordan Time).

creationdatetime	description
2021-08-26 11:57:40.750	NWToSys~Response File has been successfully written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_20210826
2021-08-26 11:57:40.737	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"TechnicalAck","messageId":"JONBJOAXB04586"
2021-08-26 11:57:40.403	SysToNW~ SendResponseUsingJSON: Response : {"sendTimestamp":"2021-08-26T08:59:06.051995Z","messageNetwork
2021-08-26 11:57:39.737	SysToNW~ SendRequestUsingJSON: Request with: {"messageId":"JONBJOAXB04586","version":"1","service":"buna.ip.ip
2021-08-26 11:57:39.720	SysToNW~JONBJOAXF05176.xml
2021-08-26 11:57:39.713	SysToNW AROD210826000005~ETE0966045447NX~WaitForProcess~ReadyToSend~WaitForProcess~Sent
2021-08-26 11:57:39.710	SysToNW~AROD210826000005~ETE0966045447NX~Authorized~None~Authorized~None
2021-08-26 11:57:39.683	SysToNW~JONBJOAXF05176.xml~1~AROD210826000005~SwiftInstGW
2021-08-26 11:57:38.530	Sys~AROD210826000005~ETE0966045447NX~None~None~WaitForProcess~ReadyToSend
2021-08-26 11:57:38.527	Sys~AROD210826000005~ETE0966045447NX~TempAuthorized~None~Authorized~None
2021-08-26 11:57:38.483	Sys~JONBJOAXF05175.xml~1~AROD210826000005
2021-08-26 11:57:38.413	Sys~AROD210826000005~ETE0966045447NX~
2021-08-26 11:57:38.407	Sys~AROD210826000005~ETE0966045447NX~Received~None~TempAuthorized~None
2021-08-26 11:57:38.403	10-Always
2021-08-26 11:57:38.383	Sys~ WSIPSPROCESSPACS008Response Indicator: Success
2021-08-26 11:57:38.377	Sys~WSIPSPROCESSPACS008Response: <?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S="http://schemas
2021-08-26 11:57:32.450	Sys~WSIPSPROCESSPACS008: <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns
2021-08-26 11:57:32.423	Sys~AROD210826000005~ETE0966045447NX~
2021-08-26 11:57:32.420	Sys~AROD210826000005~ETE0966045447NX~TempReceived~None~Received~None
2021-08-26 11:57:32.417	10-Always
2021-08-26 11:57:32.367	NWToSys~File: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_20210826115732_f748.xml, has been moved to the success
2021-08-26 11:57:32.357	NWToSys~AROD210826000005~ETE0966045447NX~None~None~TempReceived~None
2021-08-26 11:57:32.337	NWToSys~JONBJOAXXXX_20210826115732_f748.xml~1~AROD210826000005~SwiftInstGW
2021-08-26 11:57:32.333	NWToSys~JONBJOAXXXX_20210826115732_f748.xml~1~AROD210826000005
2021-08-26 11:57:32.217	NWToSys~Response File has been successfully written. FileName: D:\SCBunaIG\NW\MX\Input\JONBJOAXXXX_20210826
2021-08-26 11:57:32.203	NWToSys~ GetAllReceivedMessages: Response with: {"primitiveType":"ReceiveIndication","messageId":"533035e0-aed7

Starting from the bottom to the top, four steps are identified in the log:

- Step 1: The message had been received from Swift GW at 11:57:32.203, the system had done all the necessary validations, inserted it in the DB and called the Bank's API at 11:57:32.450. The time spent here is around 0.2 second.
- Step 2: The API had sent back the response at 11:57:38.377. The response was received after around 6 seconds.

- Step 3: The system had processed the response, created the correspondent Pacs.002 message and had sent the response to the Swift Instant Gateway at 11:57:39.737. Time spent here is around 1.3 second.
- Step 4: The gateway response was received at 11:57:40.403. The response was received after around 0.6 seconds. The technical Ack was received at 11:57:40.737.