



Nasdaq Calypso

CLS Release Notes

April 2025

Approved

This document describes functionality changes in the CLS module.

▶ Please refer to the Calypso CLS Integration Guide for information on installing the CLS Interface.

Document History

Published	Summary of Changes
August 2015	Initial edition.
April 2019	Updates for versions 3.3.2, 3.3.4.
October 2019	Updates for version 3.3.5.
December 2019	Updates for version 3.4.0.
June 2020	Updates for version 3.4.1.
August 2020	Updates for version 3.4.2.
November 2020	Updates for version 3.4.3, 3.4.4.
February 2021	Updates for version 3.4.5.
June 2021	Updates for version 3.4.6, 3.4.7.
October 2021	Updates for version 3.4.8.
December 2021	Updates for version 3.4.9.
January 2022	Updates for version 4.0.0, 4.1.0
February 2022	Updates for version 4.2.0
March 2022	Updates for version 3.5.0
May 2022	Updates for version 3.5.1, 4.2.1
June 2022	Updates for version 3.5.2, 4.2.2
July 2022	Updates for version 3.5.3

Published	Summary of Changes
September 2022	Updates for version 4.3.0, 3.6.0
October 2022	Updates for version 4.4.0, 3.6.1
November 2022	Updates for version 4.5.0, 3.7.0
January 2023	Updates for version 3.7.1, 4.5.1
February 2023	Updates for version 4.5.2, 3.7.2
May 2023	Updates for version 4.6.0
June 2023	Updates for version 3.7.3
July 2023	Updates for version 4.6.1, 4.6.2
August 2023	Updates for version 3.8.0, 4.7.0
October 2023	Updates for version 3.8.1, 4.7.1
November 2023	Updates for version 4.8.0
January 2024	Updates for version 5.0.7 (compatibility with version 18), 3.8.2
February 2024	Updates for version 4.9.0, 5.1.0, 5.1.1
March 2024	Updates for version 3.9.0
May 2024	Updates for version 5.1.2
June 2024	Updates for version 4.9.1, 5.1.3, 5.1.4
July 2024	Updates for version 5.1.5 – Technical release only
August 2024	Updates for version 4.10.0, 5.1.6

Published	Summary of Changes
October 2024	Updates for version 4.10.1, 5.1.7, 5.1.8
November 2024	Updates for version 5.1.9, 5.2.0
January 2025	Updates for version 5.3.0
February 2025	Updates for version 4.10.2
March 2025	Updates for version 3.9.1, 5.4.0
April 2025	Updates for version 5.5.0

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Release Notes 5.x

1.1 CLS Version 5.5.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.5.0	00104761	APL-13507	CLS-855	Enh	Issue - Control TPS value for Tag 103 in MT300 via the PO LE Attribute. Impact Analysis - Added CLSTPS_Tag103 LE attribute to control Tag 103. - If CLSTPS_Tag103 is not set, Tag 103 is taken from Comment of domain "FinServiceCodesConf_Tag103" for Value = CLS, if set - If CLSTPS_Tag103 = true, Tag 103 = TPS - If CLSTPS_Tag103 = false, Tag 103 is not set
Post Trade Processing	Settlements	Cross	CLS 5.5.0	00117287	APL-10703	CLS-847	Enh	Issue - CLS TPS - Managing MT398 Integration with Tag 87J. Impact Analysis – If Tag 87A is provided, it is used in priority to identify the message. Otherwise, Tag 87J is used if specified. The following message attributes are populated when Tag 87J is used: - Tag 87A - 87J:/ABIC/ - Tag 87J_ACCT - 87J:/ACCT/ - Tag 87J_ADD1 - 87J:/ADD1/ - Tag 87J_ADD2 - 87J:/ADD2/ - Tag 87J_CITY - 87J:/CITY/ - Tag 87J_NAME - 87J:/NAME/

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
								For the MX messages Fxtr.014.001.05, Fxtr.015.001.05, and Fxtr.016.001.05, the following message attributes are populated: Tag 87A - /Document/FXTradInstr/CtrPtySdId/SubmitgPty/AnyBIC Tag 87J_NAME - /Document/FXTradInstr/CtrPtySdId/SubmitgPty/NmAndAdr/Nm Tag 87J_ACCT - /Document/FXTradInstr/CtrPtySdId/SubmitgPty/PtyId/AcctNb

1.2 CLS Version 5.4.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.4.0	00144838		CLS-852	Issue	Issue - LegType message attribute incorrectly removed from new messages upon RESUBMIT action. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Removing only CLS_REF and CLS_STATUS message attributes upon RESUBMIT action.
			CLS 5.4.0		APL-13644	CLS-857	Sec	Issue – Security - Upgrade spring-* library to version 6.1.16.

1.3 CLS Version 5.3.0

Important Note: Changes to the data model.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.3.0	00104761	APL-9544	CLS-834	Enh	Issue - CLS Third Party - Processing Client Trades without MT398 Integration. Impact Analysis - Added ability to generate client trades without integrating MT398 using legal entity attributes CLSTPS_Book and CLSTPS_Client. There are changes to the data model. Please refer to the Calypso CLS Third-Party Member Integration Guide for details.

1.4 CLS Version 5.1.9, 5.2.0

Important Note: Change to Transfer Agent trade date in scheduled task CLS_EOD_PROCESS

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.2.0	00082008	APL-7446	CLS-820	Enh	Issue - CLS Resilience - Add ability to archive CLSTradeInfo. Impact Analysis - The scheduled tasks Archive and ARCHIVE_TRADE_GRAPH, and the Database Clean-up window have been enhanced to allow archiving CLS objects in the following tables: cls_trade_info_hist, cls_message_hist, cls_account_notification_hist, cls_schedule_hist, cls_schedule_item_hist, cls_reco_hist. There are changes to the data model. The ARCHIVE_TRADE_GRAPH archives all CLS objects associated with the archived trades. In the Archive scheduled task, you can specify the new attributes CLS_ID or CLS_REFERENCE to archive the corresponding CLS objects.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
								The Database Clean-up window, the CLS Messages tab has been added.

1.5 CLS Version 5.1.7, 5.1.8

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.1.8	00129255		CLS-837	Issue	Issue - fxtr.008 Rescind action is applied on incorrect MT304. Impact Analysis – Local impact to CLSObjectSQL – Returning the highest ID when there are multiple possibilities for a given reference in getByClsbReference().
			CLS 5.1.8		APL-10820	CLS-829	Sec	Issue – Security – The following libraries have been upgraded: spring.springframework:spring to version 6.1.11 springboot-* to version 3.3.1 spring-security to version 6.3.1 commons-text to version 1.12.0 camel to version 4.7.0 activemq to version 6.1.2 xbean-spring to version 4.25 jaxen to version 2.0.0

1.6 CLS Version 5.1.6

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.1.6	00122570		CLS-825	Issue	Issue – Implementation of query framework function EXISTS in CLSSubPayInUtil does not work. Impact Analysis – Local impact to CLSSubPayInUtil – Using correct QueryDefinition class.

1.7 CLS Version 5.1.3, 5.1.4

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Post-Trade Reporting	Cross	CLS 5.1.4	00115054		CLS-816	Issue	Issue - CLSPayInScheduleReport does not retrieve data through Read Only Data Server. Impact Analysis – Local impact - Fetching data through Read Only Data Server correctly.
Post Trade Processing	Settlements	Cross	CLS 5.1.4	00111421		CLS-811	Issue	Issue - Dependency conflict during migration from v16 to v18. Impact Analysis - Local impact - Removing unused dependency for connectivity with ActiveMQ/MQSeries.

1.8 CLS Version 5.1.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 5.1.2		APL-9222	CLS-803	SEC	Issue – Security – The following third-party libraries have been upgraded: camel to version 4.2.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								xbean_spring to version 4.24 cglib to version 3.3.0

1.9 CLS Version 5.1.0, 5.1.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 5.1.1		APL-7789	CLS-781	Enh	Issue - CLS Resilience: Applying Bulk Action. Impact Analysis – Added scheduled task CSLTRADEINFO_ACTION to apply a bulk action based on a CLS Trade Info report template. Please refer to the Calypso CLS Integration Guide for details.
Post Trade Processing	Settlements	Cross	CLS 5.1.1	00096671		CLS-789	Issue	Issue - camt.054.001.08 not integrating due to BookgDt-DtTm tag issue. Impact Analysis – Local impact to CLSXPathExpression – Reading the booking date from //BookgDt/DtTm if //BookgDt/Dt is not available.

1.10 CLS Version 5.0.7

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 5.0.7	00092739		CLS-778	Issue	Issue – CLS Resilience - Wrong creation date time when new CLSCONFIRM messages is created with RESUBMIT action.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Setting the creation date time correctly.
Post Trade Processing	Settlements	Cross	CLS 5.0.7	00084229, 00094291		CLS-760	Enh	Issue – CLS - Incorrect linked message id when applying RESUBMIT on AMND or CANC message. Impact Analysis – Adding new transitions to the CLSCONFIRM message workflow to resubmit the correct messages. Add Value = DISCARDED to domain “messageExcludeStatus” Add the following transitions: ACKED – RESUBMIT_NEW – DISCARDED PENDIN_RESUBMIT_NEW – DISCARDED SENT – RESUBMIT_NEW – DISCARDED ACKED – SEND_AS_NEW – ACKED Please refer to the Calypso CLS Integration Guide for complete details.

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2.1 CLS Version 4.10.2

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.10.2	00144838		CLS-851	Issue	Issue - LegType message attribute incorrectly removed from new messages upon RESUBMIT action. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Removing only CLS_REF and CLS_STATUS message attributes upon RESUBMIT action.
			CLS 4.10.2		APL-13017	CLS-849	Sec	Issue – Security - Upgrade the com.thoughtworks.xstream:xstream library to version 1.4.21.

2.2 CLS Version 4.10.1

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.10.1	00129255		CLS-836	Issue	Issue - fxtr.008 Rescind action is applied on incorrect MT304. Impact Analysis – Local impact to CLSObjectSQL – Returning the highest ID when there are multiple possibilities for a given reference in getByClsbReference().
			CLS 4.10.1		APL-11493	CLS-832	Sec	Issue – Security – Upgrade org.springframework:spring-* library to version 5.3.39.

2.3 CLS Version 4.10.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			CLS 4.10.0		APL-10321	CLS-823	Sec	Issue – Security - Upgrade org.springframework:spring-web library to version 5.3.34.

2.4 CLS Version 4.9.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Post-Trade Reporting	Cross	CLS 4.9.1	00115054		CLS-815	Issue	Issue - CLSPayInScheduleReport does not retrieve data through Read Only Data Server. Impact Analysis – Local impact - Fetching data through Read Only Data Server correctly.

2.5 CLS Version 4.9.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.9.0	00092739		CLS-777	Issue	Issue – CLS Resilience - Wrong creation date time when new CLSCONFIRM messages is created with RESUBMIT action. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Setting the creation date time correctly.
Post Trade Processing	Settlements	Cross	CLS 4.9.0	00084229, 00094291		CLS-761	Enh	Issue – CLS - Incorrect linked message id when applying RESUBMIT on AMND or CANC message.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								Impact Analysis – Adding new transitions to the CLSCONFIRM message workflow to resubmit the correct messages. Add Value = DISCARDED to domain “messageExcludeStatus” Add the following transitions: ACKED – RESUBMIT_NEW – DISCARDED PENDIN_RESUBMIT_NEW – DISCARDED SENT – RESUBMIT_NEW – DISCARDED ACKED – SEND_AS_NEW – ACKED Please refer to the Calypso CLS Integration Guide for complete details.
			CLS 4.9.0		APL-7216	CLS-794	Enh	Issue - CLS Resilience: Applying Bulk Action. Impact Analysis – Added scheduled task CSLTRADEINFO_ACTION to apply a bulk action based on a CLS Trade Info report template. Please refer to the Calypso CLS Integration Guide for details.
Post Trade Processing	Settlements	Cross	CLS 4.9.0	00096671		CLS-790	Issue	Issue - camt.054.001.08 not integrating due to BookgDt-DtTm tag issue. Impact Analysis – Local impact to CLSXPathExpression – Reading the booking date from //BookgDt/DtTm if //BookgDt/Dt is not available.

2.6 CLS Version 4.8.0

Important Note – Data model changes to accommodate below enhancement.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.8.0	00048308	APL-5583	CLS-742	Enh	Issue – Extend the CLS Third-Party solution to allow for automatic settlement of transfers that have been matched in CLS. Impact Analysis - Enhanced domain 'MT396MsgStatus' to allow values up to 5 characters using the format ##/##. For example MA/UM. When MT396 message is imported, it is linked to related MT304 which value date is used to find related transfers. Then action is applied to transfers based on MT396 status. The scheduled task CLS_EOD_PROCESS is then used to generate Transfer Agent trades to transfer cash positions between NOSTRO agent and CLS Member. Please refer to the Calypso CLS Third-Party Client Integration Guide for details.

2.7 CLS Version 4.7.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.7.1	00082125		CLS-755	Issue	Issue – RESUBMIT messages contain incorrect message attributes CLS_REF and CLS_Status. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Message attributes CLS_REF and CLS_Status are not copied on RESUBMIT messages.
Post Trade Processing	Settlements	Cross	CLS 4.7.1	00082008		CLS-748	Enh	Issue - CLS Resilience - Introduce CANCELED status. Impact Analysis – “Canceled” status has been added. It can be set on REVERT action applied from CLSTradeInfo report when CLSTradeInfo Status is Unmatched or

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								Unmatched Alleged. You can also apply UNDO_REVERT action on Canceled trades.

2.8 CLS Version 4.7.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.7.0	00058913, 00059380	APL-5100	CLS-732	Enh	Issue – Changes to CLS messages due to CBPR+ SR 2023 release. Impact Analysis – You can enable the changes using domains "USE_SR_2023", Value = TRUE and "MXUseCBPR2023", Value = TRUE. Changes to FXTradeInstructionDetails: Removed: TradAmts/TradgSdBuyAmt/@Ccy TradAmts/TradgSdSellAmt/@Ccy Added: TradAmts/TradgSdBuyAmt/Amt TradAmts/TradgSdBuyAmt/Amt/@Ccy TradAmts/TradgSdSellAmt/Amt TradAmts/TradgSdSellAmt/Amt/@Ccy The following message templates are impacted: fxtr.014.001.05 fxtr.015.001.05 fxtr.016.001.05 Changes to fxtr.017.001.05 integration:

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								"Amounts.Buy Amount" is taken from TradAmts/TradgSdBuyAmt/Amt "Amounts.Buy Currency " is taken from TradAmts/TradgSdBuyAmt/Amt/@Ccy "Amounts.Sell Amount" is taken from TradAmts/TradgSdSellAmt/Amt "Amounts.Sell Currency" is taken from TradAmts/TradgSdSellAmt/Amt/@Ccy Changes to camt.054.001.08 integration: Ntfctn/Ntry/NtryDtIs/TxDtIs/Refs/UETR is stored in message attribute LinkedUETR Ntfctn/Ntry/NtryDtIs/TxDtIs/RltdAgts/InstgAgt/FinInstnId/BICFI is stored in message attribute InstructingAgentBIC Ntfctn/Ntry/NtryDtIs/TxDtIs/RltdAgts/InstdAgt/FinInstnId/BICFI is stored in message attribute InstructedAgentBIC Changes to admi.004.001.02 integration: /Document/admi.004.001.01/EvtInf changes to /Document/SysEvtNtfctn/EvtInf

2.9 CLS Version 4.6.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Cross Functional	System Operations	Cross	CLS 4.6.2	00048580		CLS-728	Issue	Issue – When scheduled task CLS_IMPORT_IOSWAPS does not find the file, it should be in failed status, not finished with errors. Impact Analysis – Local impact to ScheduledTaskCLS_IMPORT_IOSWAPS -

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								The scheduled task is in failed status if it cannot find the file.

2.10 CLS Version 4.6.1

Important Note – Data model changes to accommodate below enhancement. To import MT396 messages from CLS, you need to define the domain “MT396Processing” as shown below.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 4.6.1			CLS-730	Enh	Issue – Standardize MT396 import. Impact Analysis – Moved MT396Matcher, MT396MessageProcessor and WorkflowActionHandlerMANUALINDEX from CLS module to Core Calypso. To import MT396 messages from CLS, you need to define the following domain: Name = MT396Processing Value = Flavor Comment = CLS

2.11 CLS Version 4.6.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.6.0	00048308, 00033799	APL-2434	CLS-722	Enh	Issue – Support CLS third-party integration from client side (non member). Impact Analysis – Added CLS third-party integration from client side. Please refer to the Calypso CLS Third-Party Client Integration Guide for details.

2.12 CLS Version 4.5.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Cross Functional	System Operations	Cross	CLS 4.5.2	00048580	APL-4381	CLS-717	Enh	Issue – When scheduled task CLS_IMPORT_IOSWAPS does not find the file, it should be in failed status, not finished with errors. Impact Analysis – The scheduled task is in failed status if it cannot find the file.
			CLS 4.5.2		APL-1258	CLS-713	Enh	Issue - Extend data and hashicorp property support to CLS properties. Impact Analysis – Extended hashicorp property support to CLS properties.

2.13 CLS Version 4.5.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.5.1	00037238		CLS-710	Enh	Issue – Add the sub status 0019 to the code Rejected (RJCT). Impact Analysis – Added new rejected status to trade status: 0019 "Input manually rejected by CLS".

2.14 CLS Version 4.5.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 4.5.0		RPM-11247	CLS-694	Enh	Issue – Improve Resilience feature. Impact Analysis – Added action RESUBMIT to resend a message and improved validation. Please refer to the Calypso CLS Integration Guide for details.

2.15 CLS Version 4.4.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 4.4.0	00040335		CLS-696	Enh	Issue – fxtr.017 import to display Unique Transaction Reference (UTI) in CLS Trade Info report. Impact Analysis – “Originator.Unique Transaction Identifier” is populated from tag TradgSdTxRptg/TradgSdUnqTxldr/UnqTxldr

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								and "Counterparty.Unique Transaction Identifier" (UTI) is populated from tag CtrPtySdTxRptg/CtrPtySdUnqTxldr/UnqTxldr in the CLS Trade Info report.
			CLS 4.4.0		RPM-10048	CLS-687	Enh	Issue – Technical - Add support for gradle bom. Impact Analysis – Added support for gradle bom.

2.16 CLS Version 4.3.0

Component	HD/Case	RPM	Issue	Type	Description
CLS 4.3.0	00025905	RPM-4053	CLS-690	Enh	Issue – Add support for CLS Resilience feature. Fix – Added support for CLS Resilience. Please refer to the Calypso CLS Integration Guide for details.

2.17 CLS Version 4.2.2

Component	HD/Case	RPM	Issue	Type	Description
CLS 4.2.2	00023346		CLS-681	Issue	Issue – Even though Tag <Msgld> in incoming fxtr030 has unique Id, the corresponding transfers are not settled. Impact Analysis – Local impact – Fixing message sequence.
CLS 4.2.2		RPM-10040	CLS-673	Sec	Issue – Security - Use new infosec APIs calypso-infosec-jdom2.

2.18 CLS Version 4.2.1

Component	HD/Case	RPM	Issue	Type	Description
CLS 4.2.1	00019939		CLS-674	Enh	Issue - Update CLS popup comment on Generate Payment Trades "There are already 'n' pay-trades for this schedule. Continue?" to indicate that duplicate payments will be generated. Fix – Changed message to "There are already 'n' pay-trades for this schedule. If you proceed duplicate payments will be generated. Continue?".

2.19 CLS Version 4.2.0

Component	HD/Case	RPM	Issue	Type	Description
CLS 4.2.0		RPM-7330	CLS-664	Enh	Issue – Security - Upgrade jdom2 libraries to version 2.0.6.1.

2.20 CLS Version 4.0.0, 4.1.0

Component	HD/Case	RPM	Issue	Type	Description
CLS 4.1.0	00019527		CLS-639	Issue	Issue – CLS messages not being processed because of version mismatch error. Impact Analysis – Local impact to CLS_TRADEMessageHandler – Adding synchronization to orchestrate modifications on CLS trade info objects.
CLS 4.1.0	00016208		CLS-627	Issue	Issue – Error in CLSTradeInfo table as CPTY_FUND_NAME and CPTY_CUSTODIAN_IDR are limited to 32 characters. Fix – Increased CPTY_FUND_NAME and CPTY_CUSTODIAN_IDR to 64 characters in table CLSTradeInfo.
CLS 4.1.0		RPM-3346	CLS-614	Enh	Issue - CLS Tasks: Add Investigate menu option and Task Summary.

Component	HD/Case	RPM	Issue	Type	Description
					Fix – Added Investigate menu to CLS exceptions which allows users to quickly access information related to the task. Added exception task "EX_CLS_NOTIFICATION" for monitoring failed notifications.
CLS 4.1.0	197811	RPM-3881	CLS-609	Enh	Issue – Add ability to generate customer transfer after receiving IPIS as client position. Fix – Added action "Generate Client Payment trades" to CLSPayInSchedule report with Subtype=Initial to generate customer transfer. It can also be generated using scheduled task CLSCLIENT_BALANCE.
CLS 4.1.0	197307	RPM-3345	CLS-579	Enh	Issue – Improve the task comment of EX_CLS_RECONCILIATION tasks – It should show the full amount and the value date.
CLS 4.1.0			CLS-576	Enh	Issue – Security - Upgrade jaxen library to version 1.1.6.
CLS 4.1.0			CLS-567	Issue	Issue – Sample files should be moved to the resources folder. Fix – The following files have been moved to the resources/sample/dbscripts/util folder: downgrade/downgrade_from_2.00.00_payInSchedule.sql downgrade/downgrade_from_2.00.00_message.sql downgrade/downgrade_from_2.00.00_tradeInfo.sql partition_cls_trade_info_example.sql rotate_cls_trade_info_example.sql

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3.1 CLS Version 3.9.1

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.9.1	00144838		CLS-861	Issue	Issue - LegType message attribute incorrectly removed from new messages upon RESUBMIT action. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Removing only CLS_REF and CLS_STATUS message attributes upon RESUBMIT action.

3.2 CLS Version 3.9.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 3.9.0		APL-7823	CLS-795	Enh	Issue - CLS Resilience: Applying Bulk Action. Impact Analysis – Added scheduled task CSLTRADEINFO_ACTION to apply a bulk action based on a CLS Trade Info report template. Please refer to the Calypso CLS Integration Guide for details.
Post Trade Processing	Settlements	Cross	CLS 3.9.0	00096671		CLS-791	Issue	Issue - camt.054.001.08 not integrating due to BookgDt-DtTm tag issue. Impact Analysis – Local impact to CLSXPathExpression – Reading the booking date from //BookgDt/DtTm if //BookgDt/Dt is not available.

3.3 CLS Version 3.8.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.8.2	00092739		CLS-753	Issue	Issue – CLS Resilience - Wrong creation date time when new CLSCONFIRM messages is created with RESUBMIT action. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Setting the creation date time correctly.
Post Trade Processing	Settlements	Cross	CLS 3.8.2	00084229, 00094291		CLS-759	Enh	Issue – CLS - Incorrect linked message id when applying RESUBMIT on AMND or CANC message. Impact Analysis – Adding new transitions to the CLSCONFIRM message workflow to resubmit the correct messages. Add Value = DISCARDED to domain “messageExcludeStatus” Add the following transitions: ACKED – RESUBMIT_NEW – DISCARDED PENDIN_RESUBMIT_NEW – DISCARDED SENT – RESUBMIT_NEW – DISCARDED ACKED – SEND_AS_NEW – ACKED Please refer to the Calypso CLS Integration Guide for complete details.

3.4 CLS Version 3.8.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.8.1	00082125		CLS-753	Issue	Issue – RESUBMIT messages contain incorrect message attributes CLS_REF and CLS_Status. Impact Analysis – Local impact to MessageWorkflowActionHandlerRESUBMIT – Message attributes CLS_REF and CLS_Status are not copied on RESUBMIT messages.
Post Trade Processing	Settlements	Cross	CLS 3.8.1	00082008		CLS-746	Enh	Issue - CLS Resilience - Introduce CANCELED status. Impact Analysis – “Canceled” status has been added. It can be set on REVERT action applied from CLSTradeInfo report when CLSTradeInfo Status is Unmatched or Unmatched Alleged. You can also apply UNDO_REVERT action on Canceled trades.

3.5 CLS Version 3.8.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.8.0	00058913, 00059380	APL-5582	CLS-733	Enh	Issue – Changes to CLS messages due to CBPR+ SR 2023 release. Impact Analysis – You can enable the changes using domains “USE_SR_2023”, Value = TRUE and “MXUseCBPR2023”, Value = TRUE. Changes to FXTradeInstructionDetails: Removed: TradAmts/TradgSdBuyAmt/@Ccy TradAmts/TradgSdSellAmt/@Ccy

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
								Added: TradAmts/TradgSdBuyAmt/Amt TradAmts/TradgSdBuyAmt/Amt/@Ccy TradAmts/TradgSdSellAmt/Amt TradAmts/TradgSdSellAmt/Amt/@Ccy The following message templates are impacted: fxtr.014.001.05 fxtr.015.001.05 fxtr.016.001.05 Changes to fxtr.017.001.05 integration: “Amounts.Buy Amount” is taken from TradAmts/TradgSdBuyAmt/Amt “Amounts.Buy Currency “ is taken from TradAmts/TradgSdBuyAmt/Amt/@Ccy “Amounts.Sell Amount” is taken from TradAmts/TradgSdSellAmt/Amt “Amounts.Sell Currency” is taken from TradAmts/TradgSdSellAmt/Amt/@Ccy Changes to camt.054.001.08 integration: Ntfctn/Ntry/NtryDtIs/TxDtIs/Refs/UETR is stored in message attribute LinkedUETR Ntfctn/Ntry/NtryDtIs/TxDtIs/RltdAgts/InstgAgt/FinInstnId/BICFI is stored in message attribute InstructingAgentBIC Ntfctn/Ntry/NtryDtIs/TxDtIs/RltdAgts/InstdAgt/FinInstnId/BICFI is stored in message attribute InstructedAgentBIC Changes to admi.004.001.02 integration: /Document/admi.004.001.01/EvtInf changes to /Document/SysEvtNtfctn/EvtInf

3.6 CLS Version 3.7.3

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Cross Functional	System Operations	Cross	CLS 3.7.3	00048580		CLS-727	Issue	Issue – Unable to save CLS_IMPORT_IOSWAPS scheduled task. Impact Analysis – Local impact to ScheduledTaskCLS_IMPORT_IOSWAPS – Checking for file and folder correctly.

3.7 CLS Version 3.7.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Cross Functional	System Operations	Cross	CLS 3.7.2	00048580	APL-4381	CLS-718	Enh	Issue – When scheduled task CLS_IMPORT_IOSWAPS does not find the file, it should be in failed status, not finished with errors. Impact Analysis – The scheduled task is in failed status if it cannot find the file.

3.8 CLS Version 3.7.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.7.1	00037238		CLS-711	Enh	Issue – Add the sub status 0019 to the code Rejected (RJCT). Impact Analysis – Added new rejected status to trade status: 0019 "Input manually rejected by CLS".

3.9 CLS Version 3.7.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
			CLS 3.7.0		RPM-11248	CLS-708	Enh	Issue – Improve Resilience feature. Impact Analysis – Added action RESUBMIT to resend a message and improved validation. Please refer to the Calypso CLS Integration Guide for details.

3.10 CLS Version 3.6.1

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM	Issue	Type	Description
Post Trade Processing	Settlements	Cross	CLS 3.6.1	00040335		CLS-697	Enh	Issue – fxtr.017 import to display Unique Transaction Reference (UTI) in CLS Trade Info report. Impact Analysis – “Originator.Unique Transaction Identifier” is populated from tag TradgSdTxRptg/TradgSdUnqTxldr/UnqTxldr and “Counterparty.Unique Transaction Identifier” (UTI) is populated from tag CtrPtySdTxRptg/CtrPtySdUnqTxldr/UnqTxldr in the CLS Trade Info report.

3.11 CLS Version 3.6.0

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.6.0	00025905	RPM-11030	CLS-689	Enh	Issue – Add support for CLS Resilience feature.

Component	HD/Case	RPM	Issue	Type	Description
					Fix – Added support for CLS Resilience. Please refer to the Calypso CLS Integration Guide for details.

3.12 CLS Version 3.5.3

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.5.3		RPM-10141	CLS-678	Sec	Issue – Use new infosec APIs calypso-infosec-jdom2 for jdom2.

3.13 CLS Version 3.5.2

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.5.2	00023346		CLS-680	Issue	Issue – Even though Tag <Msgld> in incoming fxtr030 has unique Id, the corresponding transfers are not settled. Impact Analysis – Local impact – Fixing message sequence.
CLS 3.5.2		RPM-3683	CLS-604	Sec	Issue – Security - Upgrade jaxen library to version 1.2.0

3.14 CLS Version 3.5.1

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.5.1	00019939		CLS-675	Enh	Issue - Update CLS popup comment on Generate Payment Trades “There are already ‘n’ pay-trades for this schedule. Continue?” to indicate that duplicate payments will be generated.

Component	HD/Case	RPM	Issue	Type	Description
					Fix – Changed message to “There are already ‘n’ pay-trades for this schedule. If you proceed duplicate payments will be generated. Continue?”.

3.15 CLS Version 3.5.0

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.5.0		RPM-7308	CLS-665	Enh	Issue – Security - Upgrade jdom2 libraries to version 2.0.6.1.

3.16 CLS Version 3.4.9

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.4.9		RPM-1384	CLS-548	Enh	Issue – CLS Now implementation. Fix – Added CLS Now implementation and added all necessary static data to CLSSchemaData.xml. Please refer to the Calypso CLS Now Integration Guide for details.

3.17 CLS Version 3.4.8

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.4.8	00019527		CLS-640	Issue	Issue – CLS messages not being processed because of version mismatch error. Impact Analysis – Local impact to CLS_TRADEMessageHandler – Adding synchronization to orchestrate modifications on CLS trade info objects.

3.18 CLS Version 3.4.7

Component	HD/Case	RPM	Issue	Type	Description
CLS 3.4.7	00016208		CLS-628	Issue	Issue – Error in CLSTradeInfo table as CPTY_FUND_NAME and CPTY_CUSTODIAN_IDR are limited to 32 characters. Fix – Increased CPTY_FUND_NAME and CPTY_CUSTODIAN_IDR to 64 characters in table CLSTradeInfo.

3.19 CLS Version 3.4.5

Component	HelpDesk	Issue	Type	Description
CLS 3.4.5		CLS-616	Enh	Issue - CLS Tasks: Add Investigate menu option and Task Summary. Fix – Added Investigate menu to CLS exceptions which allows users to quickly access information related to the task. Added exception task “EX_CLS_NOTIFICATION” for monitoring failed notifications.

3.20 CLS Version 3.4.3, 3.4.4

Component	HelpDesk	Issue	Type	Description
CLS 3.4.4	197811	CLS-607	Enh	Issue – Add ability to generate customer transfer after receiving IPIS as client position. Fix – Added action "Generate Client Payment trades" to CLSPayInSchedule report with Subtype=Initial to generate customer transfer. It can also be generated using scheduled task CLSCLIENT_BALANCE.

3.21 CLS Version 3.4.2

Component	HelpDesk	Issue	Type	Description
CLS 3.4.2	197307	CLS-580	Enh	Issue – Improve the task comment of EX_CLS_RECONCILIATION tasks – It should show the full amount and the value date.
CLS 3.4.2		CLS-577	Enh	Issue – Upgrade jaxen library to version 1.1.6.

3.22 CLS Version 3.4.1

Component	HelpDesk	Issue	Type	Description
CLS 3.4.1		CLS-568	Issue	Issue – Sample files should be moved to the resources folder. Fix – The following files have been moved to the resources/sample/dbscripts/util folder: downgrade/downgrade_from_2.00.00_payInSchedule.sql downgrade/downgrade_from_2.00.00_message.sql downgrade/downgrade_from_2.00.00_tradeInfo.sql partition_cls_trade_info_example.sql rotate_cls_trade_info_example.sql

3.23 CLS Version 3.4.0

Version	Component	HelpDesk	Issue	Type	Description
3.4.0	CLS	184525	CLS-560 CLS-503 CLS-507	Enh	Issue – Add support for CLS 3rd Party Service to Providers. Integrate and Process MT398 messages. Trade Generation from the SMT300 or Update of the related trades (AMEND/CANCEL) to impact client accounts as well as Settlement Member CLS Accounts.

Version	Component	HelpDesk	Issue	Type	Description
					Trade Submission from Settlement Member on behalf of the 3rd Party Users to CLS by generating a specific MT304 messages including the 3rd Party information. Generate MT396 messages to communicate trade status to Client. Fix – Please refer to the Calypso CLS Third-Party Integration Guide for details.
3.4.0	CLS		CLS-539	Issue	Issue - Cannot search by Long ID in CLS Trade Info Report.
3.4.0	CLS		CLS-536	Issue	Issue – CLS Trade Info report: CLSType filtering criteria "client" is not Working.
3.4.0	CLS		CLS-533	Issue	Issue - CLS PIS Report - No Calypso position in Reco Result.
3.4.0	CLS		CLS-523	Issue	Issue - MT304_TPS Generation incorrect for field 87 and 53.
3.4.0	CLS		CLS-519	Issue	Issue - Issue on LE identification when integrating MT398 – Swift code + XXX should be interpreted as Swift code.
3.4.0	CLS	170844	CLS-491	Issue	Issue – Error when parsing FXTR008 message.
3.4.0	CLS	161070	CLS-441	Issue	Issue - CLS_ADVICE_CCY not set in MT298 generated from CLSPayInSchedule report.

3.24 CLS Version 3.3.5

Version	Component	HelpDesk	Issue	Type	Description
3.3.5	CLS		CLS-534	Issue	Issue – CLS PIS Report - No Calypso position in Reco Result.
3.3.5	CLS		CLS-455	Issue	Issue - CLS PayInSchedule report – Error when generating MT298.

3.25 CLS Version 3.3.4

CLS-513 – SQL binding implementation.

CLS-492 (HD 170844) - Issue when parsing error in FXTR008 message.

When a received message cannot be parsed, it is moved to `dead_letter_queue`.

CLS-468 (HD 167329) - Unable to pass more than 16 characters for Execution Venue on incoming XML.

Column `execution_venue` has been increased to 64 characters.

3.26 CLS Version 3.3.2

CLS-427 (HD 171455) - Formatter and Template path for CLS need to be updated with new Swift Core location.

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4.1 CLS Version 2.1.0

4.1.1 Enhancements to the scheduled task CLS_IMPORT_IOSWAPS

(HD Call 123371)

The following enhancements have been implemented.

Trade Check

Ensure that no duplicate trades are loaded.

After processing a file and creating the I/O Swaps in Calypso, each trade will be flagged with a unique External Reference. This reference will be checked when processing a new file or the same file to prevent the creation of duplicated trades.

Date Check

Ensure that the date of the TOF files corresponds to the value date of the scheduled task.

The check on the value date will be done at the data level, comparing the process date of the scheduled task and the dates on the I/O Swaps.

File Name

The file name can now be specified as a pattern.

FILENAME: You can define:

- The exact name of the file to process.

Examples:

CLS_FX_SWP.20150508082140.txt

CLS_FX_SWPBody.20150508082144.txt

- A file pattern like "CLS_FX_SWP_<yyyyMMdd>[0-9]*.txt"

If you define the FILENAME as the pattern above, and you have in your DIRECTORY the following files:

CLS_FX_SWP_20150812.txt

CLS_FX_SWP_20150807.txt

The new logic will allow the scheduled task to process the file defined with the date equal to the process date of the scheduled task.

DIRECTORY: Please define the directory path where the files to process are located.

Example: "C:\Users\f_test\Desktop\CLS Current".

4.2 CLS Version 2.0.9

4.2.1 Issue on Hardcoded CLS BIC Code

The CLS BANK BIC Code was hardcoded to CLSBUS30XXX when generating acknowledgments. It is now retrieved from the contact of CLS BANK's Swift BIC code.

The logic for the generation of the ACK message by the CLS Message Engine referring to the BIC Code to use will be as follow:

- 1) CLS BANK Contact Type = CLS
- 2) CLS BANK Contact Type = ALL
- 3) CLS BANK Contact Type = default

Important Note: You need to set the Swift BIC Code on the CLS BANK contact.

4.2.2 Integration of the Pay-In and Pay-Out XML files from CLS

(HD Call 126243)

The Pay-In and Pay-Out XML files from CLS can now be integrated using the CLS Message engine, and can be viewed in the CLS Account Notification Report.

► Please refer to the Calypso CLS Integration Guide for details.

4.2.3 Delay Reconciliation due to Late Trade Notifications

(HD Call 127164)

The system now allows configuring the delay of the official reconciliation using the CLS parameter "RecoDelay".

Name:	clsParameters
Value:	RecoDelay
Comment:	0

By default RecoDelay=0, the reconciliation will not be delayed and will be run on-the-fly. If there are breaks, tasks will be created in the Task Station.

RecoDelay can be set to a number of minutes. For example, you can set RecoDelay=10, meaning that the official reconciliation will be delayed by 10 minutes.

In this case, at the reception of an IPIS/RPIS, a temporary reconciliation will be run and if there are breaks there will not be any task created in the Task Station as it is not considered as an official reconciliation.

After the specified number of minutes, a new official reconciliation is run and tasks are created as needed (please check AUDIT).

This enhancement will allow waiting for the delays in CLS Trade Notifications due to late process because of the channel (CLS connectivity/processing of the late received notifications).

Important Note: This check is done for reconciliation purposes and does not impact the creation of the Transfer Agent trades at the reception of the RPIS.

4.3 CLS Version 2.0.4

Added support for FX MX messages.

► Please refer to “FX MX Messages” in the Calypso CLS Integration Guide for details.

4.4 CLS Version 2.0.1

The core change of the Star (Strategic ARchitecture) Program is to replace the custom C++ API and custom messaging, with state-of-the-art messaging based on IBM WebSphere MQ and XML (ISO20022). In collaboration with SWIFT, mechanisms to carry MQ traffic safely over the SWIFT network have been implemented.

4.4.1 CLS Message Engine

The CLS Import Message engine has been replaced by the **CLS Message engine**. Configuration details are described in the Calypso CLS Integration Guide.

The CLS module can process incoming ISO 20022 XML Messages from an MQ series server for FX spot, FX forward and FX Swap, Pay-in schedules, Operational Messages, etc. as a replacement for the old notification through the CLS Gateway.

Please find below the list of supported incoming message sent by CLS:

Message Description	ISO/OUT of CLS	Calypso CLS Report	Task Station	Ack	ISO/IN CLS
Trade Bulk status notification For ex: Settle	fxtr.030.001.02	CLSTradeInfo Report	No	No	N/A
Trade short notification For ex: Rescind	fxtr.008.001.04	CLSTradeInfo Report	No	No	N/A
Trade Long notification (Trade Status) For Ex: Split/ Matched/Settlement Mature	fxtr.017.001.02	CLSTradeInfo Report	No	No	N/A
Alleged withdrawal notification	fxtr.013.001.03	Update on the CLSTradeInfo Report		No	N/A
Pay out notification	camt.054.001.04	No entry on the CLS reports Xfers Agent Xfers = SETTLED	Task linked to the Xfers	No	N/A
Pay in notification	camt.054.001.04			No	N/A
Settlement notification	camt.054.001.04			No	N/A
Pay-in call	camt.061.001.02	CLSPayInSchedule Report	Yes	Yes	camt.063.001.02
Pay-in schedule	camt.062.001.03	CLSPayInSchedule Report	No	Yes	camt.063.001.02
Message Failure	admi.002.001.01	CLSMessage Report	Yes	No	N/A
System Event Other	admi.004.001.01	CLSMessage Report	Yes	No	N/A
System Event Operational Msg	admi.004.001.01	CLSMessage Report	Yes	Yes	admi.011.001.01
Member Suspension	admi.004.001.01	CLSMessage Report/ CLS Trade Info Update	Yes	No	N/A

The new CLS Message engine can generate the acknowledgement messages to CLS on-the-fly, after the reception of Pay-in calls/Pay-in Schedule System Event Operational Messages.

In order to send those acknowledgement messages, the domain SenderBIC must be populated with the PO BIC code uses as a SENDER of those messages.

4.4.2 CLS Parameters

The following CLS parameters have been added:

- ResponderDN
- SenderBIC
- BatchClass

Configuration details are described in the Calypso CLS Integration Guide.

4.4.3 Message Workflow

The monitoring of the trade matching status and alleged trades in the task station was not practical due to high volumes and frequent updates.

The display of unmatched and alleged trades as exceptions was not accurate, as all messages are unmatched or alleged for a short period of time. They should only appear as exceptions if they stay unmatched or alleged for an unreasonable time.

Leaving aside performance problems this was causing, it would be impossible even to just select a single line if the update frequency is that high.

The system has been enhanced in order to support adequate monitoring of unmatched and alleged trades, which does not cause performance issues by overloading system components.

The main consequences of these changes are:

- The workflow provided CLS version 1.0 with the actions CLS_MATCH, CLS_UNMATCH, CLS_REJECT, etc. used to propagate the CLS trade status to messages for CLSCONFIRM messages has been deactivated in CLS version 2.0.
- The message workflow can be simplified by removing all CLS_MATCH, CLS_UNMATCH, CLS_REJECT etc. transitions as they are no longer used.

If those transitions are used in your internal process, you may need to propagate those actions using customized code.

- The system no longer created alleged tasks.
- The monitoring of Trade Status changes is now done through the CLS Trade Info report. The Task Station will no longer allow monitoring those changes.
- The ACK notification sent from Calypso to CLS are done automatically by the CLS Message engine and those notifications are independent of the message workflow.

Configuration details are described in the Calypso CLS Integration Guide.

4.4.4 Monitoring

The following reports have been added and enhanced.

CLS Trade Info Report

To monitor the status of confirmations in CLS (trade notifications), you need to use the CLS Trade Info report (menu action `reporting.ReportWindow$CLSTradeInfo`).

CLS Message Reports

To view any messages CLS may want to communicate to its clients for information purposes, you need to use the CLS Message report (menu action `reporting.ReportWindow$CLSMessage`).

CLS Non Repudiation Report

To facilitate access to the non-repudiation messages sent by CLS, you need to use the CLS Non Repudiation report (menu action `reporting.ReportWindow$CLSNonRepudiation`).

It allows checking the attached XML messages sent by CLS.

CLS Pay-In Schedule Report

To view and identify CLS Pay-In amounts from Pay-Schedules, you need to use the new Pay-In Schedule report (menu action `reporting.ReportWindow$CLSPayInSchedule`).

The CLS Pay-In-Schedule Report has been enhanced in order to support the visualization of the PAY-IN Calls.

The tasks for the reception of the PAY-In Calls can also be viewed in the Task Station using the following event type: EX_CLS_PAY_IN_CALL.

Acknowledgments can be manually sent from the CLS Pay-In Schedule Report. They will be sent directly by the CLS message engine.

Task Station

The following event types can still be monitored in the Task Station:

CLS Exception Event Types	Description	Example
EX_CLS_ACK_FAILURE	Message sent to CLS was not successfully acked.	
EX_CLS_INFORMATION	CLS General Information.	Ex1:Payments generated for CLS Pay-In Schedule: 08/13/2014 Ex2:CLSMessag successfully acknowledged Ex3:CLS Message: Suspended for Settlement
EX_CLS_MESSAGE_FAILURE	CLS Message content validation failed due to business errors.	Ex: CLS Message Failure Reason : Quoted settlement session is invalid
EX_CLS_PAYMENT_FAILURE	Problem while processing pay-in schedule or pay-in call	Ex:Official 08/06/2014 Could not save Pay-In Schedule. Pay manually. Could not save schedule; (SQL Exception)
EX_CLS_PAY_IN_CALL	Pay-in call has been received/processed.	Ex: CLS Pay-In Call received, 2 trades generated : CFST / 06/10/2014
EX_CLS_RECONCILIATION	Reconciliation issue for a currency.	Ex: Currency USD does not reconcile. CLS -3430000.0 calypso null
EX_CLS_SWIFT_ERROR	Message failed after reception from SWIFT due to errors.	Ex: Message Ref : G123456790 / ErrorCode : CODE001 / ErrorText : ErrorText

4.4.5 Access Permissions

The environment properties `MAX_TRADES_PER_USER` and `MAX_MESSAGES_PER_USER` have been activated for the CLS Trade Info report and the CLS Message report in order to limit the maximum number of trades to load.

You can also define the user attributes "Max.CLSTradeInfo" and "Max.CLSMessage" to define the limits per user. The limits per user have priority over the environment properties.