



Nasdaq Calypso

FOW Release Notes

April 2025

Approved

These release notes describe the changes in the FOW interface.

▶ Please refer to the Calypso FOW Integration Guide for details on installing and using the FOW interface.

Document History

Published	Summary of Changes
November 2022	Updates for version 4.8.0, 3.9.0
December 2022	Updated for version 4.5.2
January 2023	Updated for version 3.10.0, 4.9.0
February 2023	Updated for version 4.10.0
March 2023	Updated for version 4.11.0
October 2023	Updated for version 4.12.0, 4.13.0, 4.13.1 - These are technical releases only
November 2023	Updated for version 4.14.0
January 2024	Updated for version 5.7.0 (compatibility with version 18)
February 2024	Updated for version 4.15.0, 4.16.0, 5.8.0, 5.9.0
March 2024	Updated for version 4.14.1
April 2024	Updated for version 5.10.0
May 2024	Updated for version 4.17.0, 5.11.0
July 2024	Updated for version 4.18.0, 4.18.1, 5.12.0
August 2024	Updated for version 4.19.0, 5.13.0
October 2024	Updated for version 4.20.0, 5.14.0
January 2025	Updated for version 4.20.1, 4.21.0, 5.15.0
February 2025	Updated for version 5.16.0, 5.16.1

Published	Summary of Changes
March 2025	Updated for version 5.17.0, 5.17.1, 5.17.2
April 2025	Updated for version 5.18.0

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Release Notes Version 2.x

1.1 May 2019 - Changes for Version 2.2.12

HD167939 / FOW-356 - FOW Process - Incorporating Active Date for selection.

To update a contract, we now check the active date in addition to the contract name.

1.2 January 2021 - Changes for Version 2.2.13, 2.2.14

Version	HelpDesk	Issue	Type	Description
FOW 2.2.13	183623	FOW-371	Issue	Issue – Underlying date schedule field on the Option Contract should pick the future's manual date schedule and not the option's manual Date schedule.
FOW 2.2.14	00006974	FOW-397	Issue	Issue - Product codes RIC and ISIN are deleted after importing FOW via CSV. Fix - Fixed the logic to fetch futures in hibernate query for a future contract based on specific expiration date coming from FOW CSV file.

1.3 November 2018 - Changes for Version 2.4.0

Technical release for Core Calypso versions 15.2 and 16.1.

1.4 March 2019 - Changes for Version 2.4.1

Version	HelpDesk	Issue	Type	Description
FOW 2.4.1	167939	FOW-357	Enh	Issue – FOW process update - Include Active Date in the selection of ETO contracts to be updated - Only the contracts valid on FOW update date should be modified.

1.5 January 2020 - Changes for Version 2.4.2

Version	HelpDesk	Issue	Type	Description
FOW 2.4.2		FOW-375	Issue	Issue – Duplicate values in FOW data.
FOW 2.4.2	183623	FOW-370	Issue	Issue – Underlying date schedule field on the Option Contract should pick the future's manual date schedule and not the option's manual Date schedule.

1.6 August 2020 - Changes for Version 2.4.3

Version	HelpDesk	Issue	Type	Description
FOW 2.4.3		FOW-381	Enh	Issue – Upgrade library com.enterprisedt:edtfptj to version 6.0.

1.7 January 2021 - Changes for Version 2.4.4, 2.4.5, 2.4.6

Version	HelpDesk	Issue	Type	Description
FOW 2.4.6		FOW-393	Issue	Issue – Instances of e.printStackTrace() need to be replaced with log statements.

Version	HelpDesk	Issue	Type	Description
FOW 2.4.6	00006974	FOW-396	Issue	Issue - Product codes RIC and ISIN are deleted after importing FOW via CSV. Fix - Fixed the logic to fetch futures in hibernate query for a future contract based on specific expiration date coming from FOW CSV file.

1.8 June 2021 - Changes for Version 2.4.7

Version	HD/Case	RPM	Issue	Type	Description
FOW 2.4.7			FOW-407	Enh	Issue – Security - Upgrade hibernate library to version 5.4.29.Final.

1.9 July 2021 - Changes for Version 2.4.8, 2.4.9

Version	HD/Case	RPM	Issue	Type	Description
FOW 2.4.9	00014994		FOW-413	Enh	Issue – Error handling inconsistent between DTUP upload and FOW_REFERENCE_DATA_IMPORT scheduled task. Fix – Exception tasks are now generated when FOW_REFERENCE_DATA_IMPORT scheduled task is failing.
FOW 2.4.9			FOW-419	Issue	Issue – FOW_REFERENCE_DATA_IMPORT scheduled task showing status as "Failed" instead of "Finished with Error". Impact Analysis – Local impact to ScheduledTaskFOW_REFERENCE_DATA_IMPORT.

1.10 August 2021 - Changes for Version 2.4.10

Version	HD/Case	RPM	Issue	Type	Description
FOW 2.4.10	00018777		FOW-427	Issue	Issue – Uploading two contracts together does not create the BO messages. Impact Analysis – Local impact – Saving BO messages when multiple contracts are loaded.
FOW 2.4.10	00019843		FOW-430	Issue	Issue - Quote decimals for Option contracts must be populated on contract Quote Decimals field. Impact Analysis – Local impact to FOWETOMessageTranslator - Saving the Quotes Decimals field.

1.11 November 2021 - Changes for Version 2.4.11

Version	HD/Case	RPM	Issue	Type	Description
FOW 2.4.11	00001728	RPM-6663	FOW-442	Enh	Issue –FOW to update Strike Quote Type for ETO contract from Euromoney CSV file, MinorUnit column. Fix – Strike Quote Type is updated for ETO contract from MinorUnit column: Y=PriceC N=Price Default is Price if not set.

1.12 January 2022 - Changes for Version 2.4.12

Version	HD/Case	RPM	Issue	Type	Description
FOW 2.4.12	00025682		FOW-463	Issue	Issue – Exceptions from FOW_REFERENCE_DATA_IMPORT do not give details of the error.

Version	HD/Case	RPM	Issue	Type	Description
					Impact Analysis – Local impact to FOW_REFERENCE_DATA_IMPORT – Adding details about contract and schedule to errors.

Release Notes Version 3.x

2.1 August 2021 - Changes for Version 3.0.0, 3.0.1

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.0.1	167939		FOW-354	Enh	Issue – FOW process update - Include Active Date in the selection of ETO contracts to be updated - Only the contracts valid on FOW update date should be modified. Already in 2.4.1.
FOW 3.0.1	183623		FOW-369	Issue	Issue – Underlying date schedule field on the Option Contract should pick the future's manual date schedule and not the option's manual Date schedule. Already in 2.4.2.
FOW 3.0.1			FOW-374	Issue	Issue – Duplicate values in FOW data. Already in 2.4.2.
FOW 3.0.1			FOW-380	Enh	Issue – Upgrade library com.enterprisedt:edtfpj to version 6.0. Already in 2.4.3.
FOW 3.0.1			FOW-393	Issue	Issue – Instances of e.printStackTrace() need to be replaced with log statements. Already in 2.4.6.
FOW 3.0.1	00006974		FOW-395	Issue	Issue - Product codes RIC and ISIN are deleted after importing FOW via CSV. Fix - Fixed the logic to fetch futures in hibernate query for a future contract based on specific expiration date coming from FOW CSV file. Already in 2.4.6.
FOW 3.0.1			FOW-406	Enh	Issue – Security - Upgrade hibernate library to version 5.4.29.Final. Already in 2.4.7.

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.0.1	00014994		FOW-412	Enh	Issue – Error handling inconsistent between DTUP upload and FOW_REFERENCE_DATA_IMPORT scheduled task. Fix – Exception tasks are now generated when FOW_REFERENCE_DATA_IMPORT scheduled task is failing. Already in 2.4.7.
FOW 3.0.1			FOW-418	Issue	Issue – FOW_REFERENCE_DATA_IMPORT scheduled task showing status as "Failed" instead of "Finished with Error". Impact Analysis – Local impact to ScheduledTaskFOW_REFERENCE_DATA_IMPORT. Already in 2.4.7.
FOW 3.0.1		RPM-4313	FOW-421	Enh	Issue – Technical issue - Changes for using "internal" Data Uploader module.

2.2 September 2021 - Changes for Version 3.1.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.1.0	00018777		FOW-426	Issue	Issue – Uploading two contracts together does not create the BO messages. Impact Analysis – Local impact – Saving BO messages when multiple contracts are loaded.
FOW 3.1.0	00019843		FOW-429	Issue	Issue - Quote decimals for Option contracts must be populated on contract Quote Decimals field. Impact Analysis – Local impact to FOWETOMessageTranslator - Saving the Quotes Decimals field.
FOW 3.1.0		RPM-5914 RPM-5936	FOW-434	Enh	Issue – Security – The following third-party libraries have been upgraded: spring-core libraries upgraded to version 5.3.8 commons-lang libraries upgraded to version 3.12.0

2.3 July 2022 - Changes for Version 3.1.1

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.1.1	00030489		FOW-505	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task error, and not updating dates. Impact Analysis - Local impact to FTPReferenceDataImporter – Updating dates correctly.

2.4 November 2021 - Changes for Version 3.2.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.2.0	00001728	RPM-6663	FOW-444	Enh	Issue – FOW to update Strike Quote Type for ETO contract from Euromoney CSV file, MinorUnit column. Fix – Strike Quote Type is updated for ETO contract from MinorUnit column: Y=PriceC N=Price Default is Price if not set.

2.5 February 2022 - Changes for Version 3.3.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.3.0		RPM-6967	FOW-444	Enh	Issue – Security - Upgrade edtfpj-pro library to version 7.2.0.
FOW 3.3.0	00025682		FOW-466	Issue	Issue – Exceptions from FOW_REFERENCE_DATA_IMPORT do not give details of the error. Impact Analysis – Local impact to FOW_REFERENCE_DATA_IMPORT – Adding details about contract and schedule to errors.

2.6 May 2022 - Changes for Version 3.3.1

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.3.1	00028801		FOW-495	Issue	Issue - Need additional changes to get StrikeQuoteType to show in Clearing dashboard for ETO contracts. Impact Analysis – Local impact - Added StrikeQuoteType as ETO Contract attribute.
FOW 3.3.1	00022085		FOW-485	Issue	Issue - Performance issue while executing the FOW_REFERENCE_DATA_IMPORT scheduled task due to multiple calls made for saving of contracts. Impact Analysis – Local impact to FTPReferenceDataImporter – Using new uploader classes that support bulk objects.

2.7 September 2022 - Changes for Version 3.3.2, 3.3.3

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.3.3	00015255 00019304	RPM-6996	FOW-486	Enh	Issue – Add Eurex Next Generation date format. Fix – Added EUREXContractDate field formatted as YYYYMMDD to populate the Prompt Month based on the following mapping: Interface Name = FOW/PromptMonthColumn Interface Value = <Exchange Code>/<ISOMIC> Calypso Value = EUREXContractDate If the mapping is not present, the Prompt Month is taken from the PromptMonth field. Example: Interface Name = FOW/PromptMonthColumn Interface Value = EUREX/XEUR Calypso Value = EUREXContractDate

Version	HD/Case	RPM	Issue	Type	Description
					In addition, the date format is updated based on the following mapping for futures: Interface Name = FOW/DateFormatFuture Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatFuture Interface Value = EUREX/XEUR/B Calypso Value = Daily The date format is updated based on the following mapping for future options: Interface Name = FOW/DateFormatOption Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatOption Interface Value = EUREX/XEUR/B Calypso Value = Daily
FOW 3.3.3			FOW-487	Enh	Issue – Eurex Next Generation Contracts – Add support to update existing products. Fix – The following mapping has been added to enable update of PromptMonth for existing products. Name = FOW/Translator Interface Value = UPDATE_EXISTING_PRODUCTS Calypso Value = Yes The update option only applies to the scheduled task FOW_REFERENCE_DATA_IMPORT.

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.3.3			FOW-500	Enh	Issue - Eurex Next Gen - Quotes are not copied over when contracts are updated using data uploader. Fix - Added <CopyQuoteValuesB> field under <CalypsoProduct>. If true, the quotes are copied over from the old product quote name to the new one.
FOW 3.3.3	00015255	RPM-10928	FOW-533	Enh	Issue - Scheduled task FOW_REFERENCE_DATA_IMPORT - Extend Eurex Next Gen feature when Create/Update = UPDATE_DATES. Fix - Extended Eurex Next Gen feature when Create/Update = UPDATE_DATES.
FOW 3.3.3	00035330		FOW-540	Issue	Issue - Copied quotes cannot be viewed from Market Quotes window. Impact Analysis - Local impact to FTPReferenceDataImporter - Displaying copied quotes correctly.

2.8 March 2022 - Changes for Version 3.4.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.4.0	00015255 00019304	RPM-6812	FOW-472	Enh	Issue - Add Eurex Next Generation date format. Fix - Added EUREXContractDate field formatted as YYYYMMDD to populate the Prompt Month based on the following mapping: Interface Name = FOW/PromptMonthColumn Interface Value = <Exchange Code>/<ISOMIC> Calypso Value = EUREXContractDate If the mapping is not present, the Prompt Month is taken from the PromptMonth field. Example: Interface Name = FOW/PromptMonthColumn Interface Value = EUREX/XEUR Calypso Value = EUREXContractDate

Version	HD/Case	RPM	Issue	Type	Description
					In addition, the date format is updated based on the following mapping for futures: Interface Name = FOW/DateFormatFuture Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatFuture Interface Value = EUREX/XEUR/B Calypso Value = Daily The date format is updated based on the following mapping for future options: Interface Name = FOW/DateFormatOption Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatOption Interface Value = EUREX/XEUR/B Calypso Value = Daily
FOW 3.4.0	00028801		FOW-475	Issue	Issue - Need additional changes to get StrikeQuoteType to show in Clearing dashboard for ETO contracts. Impact Analysis – Local impact - Added StrikeQuoteType as ETO Contract attribute.

2.9 May 2022 - Changes for Version 3.5.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.5.0			FOW-483	Enh	Issue – Eurex Next Generation Contracts – Add support to update existing products. Fix – The following mapping has been added to enable update of PromptMonth for existing products. Name = FOW/Translator Interface Value = UPDATE_EXISTING_PRODUCTS Calypso Value = Yes The update option only applies to the scheduled task FOW_REFERENCE_DATA_IMPORT.
FOW 3.5.0			FOW-489	Enh	Issue - Eurex Next Gen - Quotes are not copied over when contracts are updated using data uploader. Fix – Added <CopyQuoteValuesB> field under <CalypsoProduct>. If true, the quotes are copied over from the old product quote name to the new one.
FOW 3.5.0	00022085		FOW-502	Issue	Issue - Performance issue while executing the FOW_REFERENCE_DATA_IMPORT scheduled task due to multiple calls made for saving of contracts. Impact Analysis – Local impact to FTPReferenceDataImporter – Using new uploader classes that support bulk objects.
FOW 3.5.0	00030489		FOW-506	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task error, and not updating dates. Impact Analysis - Local impact to FTPReferenceDataImporter – Updating dates correctly.

2.10 July 2022 - Changes for Version 3.6.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.6.0	00030489		FOW-506	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task error, and not updating dates. Impact Analysis - Local impact to FTPReferenceDataImporter – Updating dates correctly – Additional fix.

2.11 August 2022 - Changes for Version 3.7.0, 3.7.1, 3.7.2

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.7.2	00036535		FOW-531	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task does not save future products even though they are available in Date Schedule. Impact Analysis – Local impact to FOWFutureProductMessageTranslator – Resolving cache issue.
FOW 3.7.2	00035255		FOW-541	Issue	Issue - FOW updates Option Contracts even after Active to Date. Impact Analysis – Local impact to FTPReferenceDataImporter - Handling ETO Contracts with multiple SVN versions correctly.
FOW 3.7.2			FOW-549	Issue	Issue – Error about empty ETO Contract name while uploading contracts. Impact Analysis – Local impact to FTPReferenceDataImporter – Adding log information.

2.12 September 2022 - Changes for Version 3.8.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 3.8.0	00015255	RPM-10926	FOW-534	Enh	Issue – Scheduled task FOW_REFERENCE_DATA_IMPORT – Extend Eurex Next Gen feature when Create/Update = UPDATE_DATES.

Version	HD/Case	RPM	Issue	Type	Description
					Fix - Extended Eurex Next Gen feature when Create/Update = UPDATE_DATES.
FOW 3.8.0	00035330		FOW-538	Issue	Issue - Copied quotes cannot be viewed from Market Quotes window. Impact Analysis – Local impact to FTPReferenceDataImporter – Displaying copied quotes correctly.

2.13 November 2022 - Changes for Version 3.9.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Cross Functional	System Operations	Cross	FOW 3.9.0	00037042	RPM-10957	FOW-561	Enh	Issue – Underlying Commodity Configuration by Calypso Mapping is not working. Impact Analysis – The following mappings have been added: Name = FOW/Underlying_Code Interface Value = Commodity Calypso Value = CUSIP Name = FOW/Underlying_Column Interface Value = Commodity Calypso Value = CUSIP If no mapping is specified, the default commodity underlying is used.
Cross Functional	System Operations	Cross	FOW 3.9.0	00037040	RPM-10918	FOW-566	Enh	Issue - Import Future MM contracts with Rate Index Mapping. Fix – The following mapping has been added: Name = FOW/Underlying_FutureMM Interface Value - <exchange>/<ISOMIC>/<ticker>

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
								Calypso Value = <rate index> Example: Name = FOW/UnderlyingFutureMM Interface Value – CBOT/XCBT/AXAXX Calypso Value = USD/LIBOR1W
Static Data	None	Cross	FOW 3.9.0	00022826	RPM-6647	FOW-572	Enh	Issue – Add ability to prevent Contract fields to be overridden by default values upon UPDATE, through Calypso Mapping. Impact Analysis – The following mappings have been added: Name = FOW/LockOverrideDetailTab Interface Value = <field> Calypso Value = YES to lock override or NO to allow override The fields can be Quote Type, <Exchange Code>/<ISOMIC>/Quote Type, Tick Type, <Exchange Code>/<ISOMIC>/Tick Type, Nominal Calculator, <Exchange Code>/<ISOMIC>/NominalCalculator Name = FOW/Translator Interface Value = <underlying> Calypso Value = YES to lock override or NO to allow override The fields underlyings can be LockFutureUnderlyingOverride, LockOptionUnderlyingOverride.
Integration	Trades Data Integration	Cross	FOW 3.9.0	00042687		FOW-574	Issue	Issue - Eurex Next Gen - FOW SVN >0 is not updating prompt month on correct Contract. Impact Analysis – Local impact to FTPReferenceDataImporter - In case of ETO,

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
								taking SVN versioning into account to fetch products for the respective contract.

2.14 January 2023 - Changes for Version 3.10.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
			FOW 3.10.0		APL-4171	FOW-592	Enh	Issue – Number of contracts to display should be configurable through Calypso Mapping. Impact Analysis – Added ability to configure the maximum number of contracts to be displayed using the following mapping: Name = FOW/NumberOfContracts Interface Value = <product type ETO, Future or FutureOption> Calypso Value = <maximum number of contracts> If the number of contracts in the file is below the maximum number of contracts, then the number of contracts in the file is used. Otherwise, the maximum number of contracts is used. If there is no mapping, the number of contracts in the file is used.

Release Notes Version 4.x

3.1 March 2022 - Changes for Version 4.1.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.1.0	00001728	RPM-6663	FOW-451	Enh	Issue – FOW to update Strike Quote Type for ETO contract from Euromoney CSV file, MinorUnit column. Fix – Strike Quote Type is updated for ETO contract from MinorUnit column: Y=PriceC N=Price Default is Price if not set.
FOW 4.1.0		RPM-6967	FOW-461	Enh	Issue – Security - Upgrade edtfptj-pro library to version 7.2.0.
FOW 4.1.0	00025682		FOW-462	Issue	Issue – Exceptions from FOW_REFERENCE_DATA_IMPORT do not give details of the error. Impact Analysis – Local impact to FOW_REFERENCE_DATA_IMPORT – Adding details about contract and schedule to errors.

3.2 March 2022 - Changes for Version 4.2.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.2.0	00015255 00019304	RPM-6996	FOW-473	Enh	Issue – Add Eurex Next Generation date format. Fix – Added EUREXContractDate field formatted as YYYYMMDD to populate the Prompt Month based on the following mapping: Interface Name = FOW/PromptMonthColumn Interface Value = <Exchange Code>/<ISOMIC> Calypso Value = EUREXContractDate

Version	HD/Case	RPM	Issue	Type	Description
					If the mapping is not present, the Prompt Month is taken from the PromptMonth field. Example: Interface Name = FOW/PromptMonthColumn Interface Value = EUREX/XEUR Calypso Value = EUREXContractDate In addition, the date format is updated based on the following mapping for futures: Interface Name = FOW/DateFormatFuture Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatFuture Interface Value = EUREX/XEUR/B Calypso Value = Daily The date format is updated based on the following mapping for future options: Interface Name = FOW/DateFormatOption Interface Value = <Exchange Code>/<ISOMIC>/<Maturity Type> or simply <Maturity Type> Calypso Value = Daily or Monthly Example: Interface Name = FOW/DateFormatOption Interface Value = EUREX/XEUR/B Calypso Value = Daily
FOW 4.2.0	00028801		FOW-476	Issue	Issue - Need additional changes to get StrikeQuoteType to show in Clearing dashboard for ETO contracts.

Version	HD/Case	RPM	Issue	Type	Description
					Impact Analysis – Local impact - Added StrikeQuoteType as ETO Contract attribute.

3.3 May 2022 - Changes for Version 4.3.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.3.0			FOW-490	Enh	Issue - Eurex Next Gen - Quotes are not copied over when contracts are updated using data uploader. Fix – Added <CopyQuoteValuesB> field under <CalypsoProduct>. If true, the quotes are copied over from the old product quote name to the new one.
FOW 4.3.0			FOW-484	Enh	Issue – Eurex Next Generation Contracts – Add support to update existing products. Fix – The following mapping has been added to enable update of PromptMonth for existing products. Name = FOW/Translator Interface Value = UPDATE_EXISTING_PRODUCTS Calypso Value = Yes The update option only applies to the scheduled task FOW_REFERENCE_DATA_IMPORT.

3.4 June 2022 - Changes for Version 4.4.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.4.0	00022085		FOW-504	Issue	Issue - Performance issue while executing the FOW_REFERENCE_DATA_IMPORT scheduled task due to multiple calls made for saving of contracts.

Version	HD/Case	RPM	Issue	Type	Description
					Impact Analysis – Local impact to FTPReferenceDataImporter – Using new uploader classes that support bulk objects.

3.5 July 2022 - Changes for Version 4.5.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.5.0	00030489		FOW-507	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task error, and not updating dates. Impact Analysis - Local impact to FTPReferenceDataImporter – Updating dates correctly – Additional fix.

3.6 July 2022 - Changes for Version 4.5.1

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.5.1	00015255	RPM-10927	FOW-557	Enh	Issue – Scheduled task FOW_REFERENCE_DATA_IMPORT – Extend Eurex Next Gen feature when Create/Update = UPDATE_DATES. Fix – Extended Eurex Next Gen feature when Create/Update = UPDATE_DATES.
FOW 4.5.1	00015255	RPM-11299	FOW-559	Enh	Issue – Add ability to set Name Month = Expiry Date instead of Prompt Month. Fix – The following mapping has been added to set Name Month = Expiry Date. Name = FOW/PromptMonthColumn Interface Value = <product type>/<exchange>, <product> or <exchange> Calypso Value = CONSTANT=Expiry Date Example: Interface Value = Future/EUREX/XEUR or Interface Value = Future or Interface Value = EUREX/XEUR If the mapping is not present, Name Month is set to Prompt Month.

3.7 December 2022 - Changes for Version 4.5.2

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Integration	Trades Data Integration	Cross	FOW 4.5.2	00042687		FOW-576	Issue	Issue - Eurex Next Gen - FOW SVN >0 is not updating prompt month on correct Contract. Impact Analysis – Local impact to FTPReferenceDataImporter - In case of ETO, taking SVN versioning into account to fetch products for the respective contract.

3.8 August 2022 - Changes for Version 4.6.0, 4.6.1, 4.6.2

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.6.2		RPM-7203	FOW-522	Enh	Issue - Euromoney Interface - Add support for Special Dividend CA on listed products. Fix – Added “Interface Name” attribute to scheduled task FOW_REFERENCE_DATA_IMPORT. It can be set to FOW for listed contracts import or FOWCA for CA import. Mapping values have been added under FOWCA/CAAttributes, FOWCA/ColumnMapping and FOWCA/DateFormat.
FOW 4.6.2	00036535		FOW-530	Issue	Issue - FOW_REFERENCE_DATA_IMPORT scheduled task does not save future products even though they are available in Date Schedule. Impact Analysis – Local impact to FOWFutureProductMessageTranslator – Resolving cache issue.
FOW 4.6.2	00035255		FOW-542	Issue	Issue - FOW updates Option Contracts even after Active to Date. Impact Analysis – Local impact to FTPReferenceDataImporter - Handling ETO Contracts with multiple SVN versions correctly.
FOW 4.6.2			FOW-550	Issue	Issue – Error about empty ETO Contract name while uploading contracts.

Version	HD/Case	RPM	Issue	Type	Description
					Impact Analysis – Local impact to FTPReferenceDataImporter – Adding log information.

3.9 September 2022 - Changes for Version 4.7.0

Version	HD/Case	RPM	Issue	Type	Description
FOW 4.7.0	00015255	RPM-10927	FOW-535	Enh	Issue – Scheduled task FOW_REFERENCE_DATA_IMPORT – Extend Eurex Next Gen feature when Create/Update = UPDATE_DATES. Fix – Extended Eurex Next Gen feature when Create/Update = UPDATE_DATES.
FOW 4.7.0	00035330		FOW-539	Issue	Issue - Copied quotes cannot be viewed from Market Quotes window. Impact Analysis – Local impact to FTPReferenceDataImporter – Displaying copied quotes correctly.

3.10 November 2022 - Changes for Version 4.8.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.8.0	00015255	RPM-11299	FOW-560	Enh	Issue – Add ability to set Name Month = Expiry Date instead of Prompt Month. Fix – The following mapping has been added to set Name Month = Expiry Date. Name = FOW/PromptMonthColumn Interface Value = <product type>/<exchange>, <product> or <exchange> Calypso Value = CONSTANT=Expiry Date Example:

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
								Interface Value = Future/EUREX/XEUR or Interface Value = Future or Interface Value = EUREX/XEUR If the mapping is not present, Name Month is set to Prompt Month.
			FOW 4.8.0			FOW-569	Enh	Issue - Extend hashicorp property support to all resource files. Impact Analysis - Extended hashicorp property support to all resource files.
Static Data	None	Cross	FOW 4.8.0	00022826	RPM-10478	FOW-573	Enh	Issue – Add ability to prevent Contract fields to be overridden by default values upon UPDATE, through Calypso Mapping. Impact Analysis – The following mappings have been added: Name = FOW/LockOverrideDetailTab Interface Value = <field> Calypso Value = YES to lock override or NO to allow override The fields can be Quote Type, <Exchange Code>/<ISOMIC>/Quote Type, Tick Type, <Exchange Code>/<ISOMIC>/Tick Type, Nominal Calculator, <Exchange Code>/<ISOMIC>/NominalCalculator Name = FOW/Translator Interface Value = <underlying> Calypso Value = YES to lock override or NO to allow override The fields underlyings can be LockFutureUnderlyingOverride, LockOptionUnderlyingOverride.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Integration	Trades Data Integration	Cross	FOW 4.8.0	00042687		FOW-575	Issue	Issue - Eurex Next Gen - FOW SVN >0 is not updating prompt month on correct Contract. Impact Analysis – Local impact to FTPReferenceDataImporter - In case of ETO, taking SVN versioning into account to fetch products for the respective contract.

3.11 January 2023 - Changes for Version 4.9.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Cross Functional	System Operations	Cross	FOW 4.9.0	00037042	APL-1455	FOW-562	Enh	Issue – Underlying Commodity Configuration by Calypso Mapping is not working. Impact Analysis – The following mappings have been added: Name = FOW/Underlying_Code Interface Value = Commodity Calypso Value = CUSIP Name = FOW/Underlying_Column Interface Value = Commodity Calypso Value = CUSIP If no mapping is specified, the default commodity underlying is used.
Cross Functional	System Operations	Cross	FOW 4.9.0	00037040	APL-1309	FOW-567	Enh	Issue - Import Future MM contracts with Rate Index Mapping. Fix – The following mapping has been added: Name = FOW/Underlying_FutureMM

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
								Interface Value - <exchange>/<ISOMIC>/<ticker> Calypso Value = <rate index> Example: Name = FOW/UnderlyingFutureMM Interface Value – CBOT/XCBT/AXAXX Calypso Value = USD/LIBOR1W
			FOW 4.9.0		APL-2083	FOW-586	Enh	Issue - Support XML file creation by exchange. Impact Analysis - The scheduled task FOW_FILE_SPLITTER has been added – It allows splitting the EuroMoneyTradeDATA file into multiple files by exchange. Please refer to the Calypso FOW Integration Guide for details.
			FOW 4.9.0		APL-762	FOW-591	Enh	Issue – Number of contracts to display should be configurable through Calypso Mapping. Impact Analysis – Added ability to configure the maximum number of contracts to be displayed using the following mapping: Name = FOW/NumberOfContracts Interface Value = <product type ETO, Future or FutureOption> Calypso Value = <maximum number of contracts> If the number of contracts in the file is below the maximum number of contracts, then the number of contracts in the file is used. Otherwise, the maximum number of contracts is used. If there is no mapping, the number of contracts in the file is used.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
			FOW 4.9.0		APL-2324	FOW-594	Enh	Issue - Euromoney interface to support Stock Split CA on listed products. Impact Analysis – Added support for Stock Split CA. Please refer to the Calypso FOW Integration Guide for details.

3.12 February 2023 - Changes for Version 4.10.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Cross Functional	System Operations	Cross	FOW 4.10.0	00048175	APL-703	FOW-595	Enh	Issue – ETO contracts should not be updated for SVN 1 when both SVN 0 and SVN 1 are active. Impact Analysis – Added update of ETO contracts with different SVN.

3.13 March 2023 - Changes for Version 4.11.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
Cross Functional	System Operations	Cross	FOW 4.11.0			FOW-602	Enh	Issue – The scheduled task FOW_FILE_SPLITTER is creating files based on execution date instead of valuation date. Impact Analysis – Local impact – Creating files based on valuation date.

3.14 November 2023 - Changes for Version 4.14.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
			FOW 4.14.0		APL-2372	FOW-619	Enh	Issue – Euromoney interface – Add support Spin Off CA on listed products. Impact Analysis – You can import Spin Off CA on listed products using the Data Uploader window with FOWCA source and CSV file, or using the FOW_REFERENCE_DATA_IMPORT scheduled task. The attribute CAEvents has been added to allow selecting a specific CA event or all. It only applies for source FOWCA.

3.15 March 2024 - Changes for Version 4.14.1

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.14.1	00091836	APL-8203	FOW-654	Enh	Issue - Support ClearingExchangeTicker changes through Calypso Mapping. Impact Analysis – Added mappings FOW/FutureSymbolTranslator and FOW/OptionSymbolTranslator. Interface Value = <MIC code>/<Ticker> Calypso Value = <Ticker>

3.16 February 2024 - Changes for Version 4.15.0, 4.16.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.16.0	00093374	APL-7906	FOW-629	Enh	Issue – Support Multiple MIC Codes in case of same Exchange Legal Entity. Impact Analysis – Added mapping FOW/ExchangeMIC. Interface Value = <Exchange legal entity> Calypso Value = <Comma separated MIC codes> Example: Interface Value = EEX Calypso Value = XEER,XPOT,XPSF,XEEO
ETD EU /or FCM Clearing	None	Cross	FOW 4.16.0	00091836	APL-8203	FOW-634	Enh	Issue - Support ClearingExchangeTicker changes through Calypso Mapping. Impact Analysis – Added mappings FOW/FutureSymbolTranslator and FOW/OptionSymbolTranslator. Interface Value = <MIC code>/<Ticker> Calypso Value = <Ticker>
ETD EU /or FCM Clearing	None	Cross	FOW 4.16.0	00096854		FOW-639	Issue	Issue - FOW Import - No. of Option Contracts is wrong. Impact Analysis – Local impact to FOWCSVTranslator – Enriching lookup key to get the correct contract.

3.17 May 2024 - Changes for Version 4.17.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.17.0	00075260	APL-7237	FOW-655	Enh	Issue - Enhance lock feature to prevent existing contract fields to be overridden upon upload. Impact Analysis – You can lock field updates using the following mapping options: Locking field updates for all exchanges: Name = FOW/LockOverrideDetailTab Interface Value = <field> Calypso Value = Yes Locking field updates by exchange: Name = FOW/LockOverrideDetailTab Interface Value = <exchange>/<ISOMIC>/<field> Calypso Value = Yes Locking field updates by product and exchange: Name = FOW/LockOverrideDetailTab Interface Value = <product>/<exchange>/<ISOMIC>/<field> Calypso Value = Yes <product> can be Future or Option. Please refer to the Calypso FOW Integration Guide for details.

3.18 July 2024 - Changes for Version 4.18.0, 4.18.1

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
			FOW 4.18.1		APL-10578	FOW-677	Enh	Issue - Add static contract attribute for Future Cascading. Impact Analysis – The following mapping has been added to set the CascadeFrom attribute based on the contract name. Name = FOW/AttributeStaticValue Interface Value = CascadeFrom/<contract name> Calypso Value = <CascadeFrom value> Example: InterfaceValue = CascadeFrom/XEER-1NBQ-F Calypso Value = XEER-1NBY-F In contract XEER-1NBQ-F, CascadeFrom attribute is set to XEER-1NBY-F

3.19 August 2024 - Changes for Version 4.19.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 4.19.0		APL-10581	FOW-684	Enh	Issue – Add ability to define default static values by contract. Impact Analysis – The following mapping has been added to set default values by contract: Name = FOW/DefaultStaticValue Interface Value = <field name>/<contract name> Calypso Value = <default field value>

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
								This can be used for the following fields. Future Contracts: Type, Currency, Quote Type, Quote Decimals, Is Contract Size Variable, Contract Size, Settle Type, Negative Price Liquidation, Future Name Month, Last CCP Date Lag, Tick Type, Tick Size, Minimum move, Tick Value, Nominal Calculator, Holidays, Last Trading Time, Daylight Saving Time Future Option Contracts: Type, Currency, Quote Type, Quote Decimals, Exercise Type, AutoExercise, Settle Type Option, Underlying Exchange, Underlying Name, Underlying Currency, Underlying Dates, Future Option Name Month, Premium Payment Convention. Tick Type, Tick Size, Minimum move, Tick Vale, Date Format, Last Trading Time, Time Zone ETO Contracts: Type, Currency, Quote Type, Strike Quote Type, Tick Value, Minimum move, Contract Size, Exercise Type, Last Trade Time, Last Exercise Time, Time Zone, Exercise Settlement Lag, Trade Settlement Lag, Holidays, Premium Payment Convention, Quote Decimals, Settle Type, Underlying, Name Month Example: Name = FOW/DefaultStaticValue Interface Value = Type/XSFE-IR02-F Calypso Value = MM Upon import, the field "Type" will be set to MM for the XSFE-IR02-F contract.
			FOW 4.19.0		APL-10318	FOW-691	Sec	Issue – Security - Upgrade org.springframework:spring-web library to version 5.3.34.

3.20 October 2024 - Changes for Version 4.20.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 4.20.0		APL-11480	FOW-700	Sec	Issue – Security – Upgrade the org.springframework:spring library to version 5.3.39.

3.21 January 2025 - Changes for Version 4.20.1

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.20.1	00145471		FOW-707	Issue	Issue – ETO contracts with different LTD and XD dates are not getting created or updated. Impact Analysis – Local impact to FOWETOMessageTranslator - Setting ltdSet variable correctly so that LastTradeRule is not empty.

3.22 January 2025 - Changes for Version 4.21.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 4.21.0	00145471		FOW-705	Issue	Issue – ETO contracts with different LTD and XD dates are not getting created or updated. Impact Analysis – Local impact to FOWETOMessageTranslator - Setting ltdSet variable correctly so that LastTradeRule is not empty.

Release Notes Version 5.x

4.1 January 2024 - Changes for Version 5.7.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.7.0	00093374	APL-7966	FOW-630	Enh	Issue – Support Multiple MIC Codes in case of same Exchange Legal Entity. Impact Analysis – Added mapping FOW/ExchangeMIC. Interface Value = <Exchange legal entity> Calypso Value = <Comma separated MIC codes> Example: Interface Value = EEX Calypso Value = XEER,XPOT,XPSF,XEEO
ETD EU /or FCM Clearing	None	Cross	FOW 5.7.0	00091836	APL-8204	FOW-635	Enh	Issue - Support ClearingExchangeTicker changes through Calypso Mapping. Impact Analysis – Added mappings FOW/FutureSymbolTranslator and FOW/OptionSymbolTranslator. Interface Value = <MIC code>/<Ticker> Calypso Value = <Ticker>

4.2 February 2024 - Changes for Version 5.8.0, 5.9.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.9.0	00096854		FOW-640	Issue	Issue - FOW Import - No. of Option Contracts is wrong. Impact Analysis – Local impact to FOWCSVTranslator – Enriching lookup key to get the correct contract.

4.3 April 2024 - Changes for Version 5.10.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.10.0	00075260	APL-7238	FOW-656	Enh	Issue - Enhance lock feature to prevent existing contract fields to be overridden upon upload. Impact Analysis – You can lock field updates using the following mapping options: Locking field updates for all exchanges: Name = FOW/LockOverrideDetailTab Interface Value = <field> Calypso Value = Yes Locking field updates by exchange: Name = FOW/LockOverrideDetailTab Interface Value = <exchange>/<ISOMIC>/<field> Calypso Value = Yes Locking field updates by product and exchange: Name = FOW/LockOverrideDetailTab

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
								Interface Value = <product>/<exchange>/<ISOMIC>/<field> Calypso Value = Yes <product> can be Future or Option. Please refer to the Calypso FOW Integration Guide for details.

4.4 May 2024 - Changes for Version 5.11.0

Capability Group	Capability	Asset Class	Legacy Component	HD/Case	RPM/APL	Issue	Type	Description
			FOW 5.11.0		APL-8442	FOW-666	Sec	Issue – Security – The following third-party libraries have been upgrade: commons_lang3 to version 3.14.0 commons-configurations2 to version 2.9.0

4.5 July 2024 - Changes for Version 5.12.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 5.12.0		APL-1471	FOW-678	Enh	Issue - Add static contract attribute for Future Cascading. Impact Analysis – The following mapping has been added to set the CascadeFrom attribute based on the contract name. Name = FOW/AttributeStaticValue

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
								Interface Value = <attribute>/<contract name> Calypso Value = <CascadeFrom value> Example: InterfaceValue = CascadeFrom/XEER-1NBQ-F Calypso Value = XEER-1NBY-F In contract XEER-1NBQ-F, CascadeFrom attribute is set to XEER-1NBY-F
			FOW 5.12.0		APL-9838	FOW-682	Sec	Issue – Security – Upgrade spring.springframework:spring library to version 6.1.6.

4.6 August 2024 - Changes for Version 5.13.0

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 5.13.0		APL-10253	FOW-685	Enh	Issue – Add ability to define default static values by contract. Impact Analysis – The following mapping has been added to set default values based on the contract name: Name = FOW/DefaultStaticValue Interface Value = <field name>/<contract name> Calypso Value = <default field value> This can be used for the following fields. Future Contracts: Type, Currency, Quote Type, Quote Decimals, Is Contract Size Variable, Contract Size, Settle Type, Negative Price

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
								Liquidation, Future Name Month, Last CCP Date Lag, Tick Type, Tick Size, Minimum move, Tick Value, Nominal Calculator, Holidays, Last Trading Time, Daylight Saving Time Future Option Contracts: Type, Currency, Quote Type, Quote Decimals, Exercise Type, AutoExercise, Settle Type Option, Underlying Exchange, Underlying Name, Underlying Currency, Underlying Dates, Future Option Name Month, Premium Payment Convention. Tick Type, Tick Size, Minimum move, Tick Value, Date Format, Last Trading Time, Time Zone ETO Contracts: Type, Currency, Quote Type, Strike Quote Type, Tick Value, Minimum move, Contract Size, Exercise Type, Last Trade Time, Last Exercise Time, Time Zone, Exercise Settlement Lag, Trade Settlement Lag, Holidays, Premium Payment Convention, Quote Decimals, Settle Type, Underlying, Name Month Example: Name = FOW/DefaultStaticValue Interface Value = Type/XSFE-IR02-F Calypso Value = MM Upon import, the field "Type" will be set to MM for the XSFE-IR02-F contract.

4.7 October 2024 - Changes for Version 5.14.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 5.14.0		APL-11372	FOW-701	Sec	Issue – Upgrade spring.springframework:spring library to version 6.1.11.

4.8 January 2025 - Changes for Version 5.15.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.15.0	00145471		FOW-706	Issue	Issue – ETO contracts with different LTD and XD dates are not getting created or updated. Impact Analysis – Local impact to FOWETOMessageTranslator - Setting ltdSet variable correctly so that LastTradeRule is not empty.

4.9 February 2025 - Changes for Version 5.16.0, 5.16.1

Important Note: Data model changes.

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
			FOW 5.16.1			FOW-720	Enh	Issue – Code refactoring to support import of fiotech contracts. Impact Analysis – Using Data Uploader code to import fiotech contracts. There are changes to the data model.

4.10 March 2025 - Changes for Version 5.17.0, 5.17.1, 5.17.2

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.17.2	00151179	APL-12379, APL-13508	FOW-726	Enh	Issue – Create FIA TECH module to import fiatech contracts. Impact Analysis – Added FIA TECH module to import fiatech contracts. Please refer to the Calypso FIA TECH Integration Guide for details.
			FOW 5.17.2		APL-13632	FOW-735	Sec	Issue – Security - Upgrade spring-* library to version 6.1.16.

4.11 March 2025 - Changes for Version 5.18.0

Capability Group	Capability	Asset Class	Legacy Component	Case	APL	Issue	Type	Description
ETD EU /or FCM Clearing	None	Cross	FOW 5.18.0	00022587	APL-12219	FOW-745	Enh	Issue – Add mapping to identify the ProductType attribute for certain exchanges. Impact Analysis – The following mapping has been added: Name = FOW/ProductTypeAttributes Interface Value = <ISOMIC>/<contract type> Calypso Value = <ProductType attribute value> Example: Name = FOW/ProductTypeAttributes Interface Value = XEUR/Q Calypso Value = OSTK