



## Quinnox's Data Migration Services - ready-to-use tools for converting data to Calypso

Data Migration is the process of transferring data using data extraction and data loading and is critical when there are upgrades. Many Data Migration projects fail due to lack of methodology, unrealistic scope, lack of experience and inattention to data quality.

To counter these challenges, Quinnox's Capital Markets' practice has built a fundamental understanding on Data Migration activities to be undertaken during Calypso Implementation. This team creates the details of planning and finalizing the approach for converting data from existing legacy systems into Calypso.

Our tried and tested Data Migration Methodology has delivered several benefits to our clients:

- 60% re-usability from first deployment itself
- Detailed verification and comparison reports offering complete transparency in the engagement
- Recognition and correction of data validation errors which are usually ignored during a migration.

### Data Migration Challenges

- Identifying business and operational requirements impacting migration process
- Depending on complexity, the migration may need to be staged
- Identifying data mapping requirements, including the structure of the data at the source, the intermediate structure of the extracted/transformed data and how it will ultimately look in the target system
- Identifying key sets of migrated data and verify them against data in the existing system with a view to maximize coverage and to recognise defects
- Reconciliation methods and exception management
- Timely provision of Reconciliation Reports from both the Source and Target systems in an agreed format
- Network Latency / Downtime causing slow application responses.



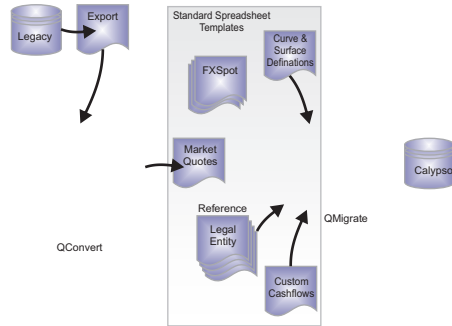
## Data Migration methodology





# Quinnox Calypso Assets

## Data Migration Tool



The Data Migration Tools are built specific to the needs of the clients who are looking at all new roll-outs of Calypso, or need very heavily customized Calypso upgrades. Their unique features are:

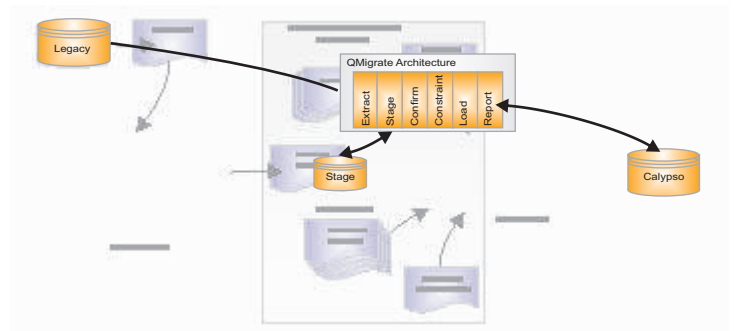
- Ease of migration of static, market and trade data into Calypso using standard data templates
- Business rules, referential checks and data validations are built into the tool
- Error reports and reconciliation sheets are provided

- QMigrate is a stand alone tool for uploading data to Calypso
- QConvert is a universal file converter for QMigrate

We have also built an end-to-end Data Migration tool spanning extraction of data from Legacy system to loading in Calypso. We also assist you in mapping fields between legacy applications and Calypso.

## Advantages of the Quinnox Data Migration Tools

- Continuously enhanced for new Calypso versions and functionality
- Allows multiple approaches depending on existing client topologies
- Improves productivity, reduces efforts
- Provides a complete Data Migration service offering including
  - Methodology
  - Standard templates and API handbooks
  - Reusable components



The tool provides features to iteratively review and correct (if required) data as part of the migration process

## Data Migration Tool Product Coverage

Static		Market	Trade	
Legal Entity	Corporate Actions	Interest Rate	Bond	Repo
LE Attribute	CDS Index	Quotes	Interest Rate	FX Spot / Swap /
LE Agreement	CDS ABS Index	Swap Quotes	Swap	Forward
LE Contact	Tranched Index	FX Quotes	Cancelable Swap	Loan/Deposit
LE Rating	Rate Index	Equity Prices	Cross Currency	CDS
LE SDI	Trading Books	Future Prices	Swap	Asset Swap
SDI Attribute,	Accounting Books	Future Option	Swaption	CDS ABS
Notes	Future and Option	Prices	Bond Futures	Total Return Swap
LE Account	Contracts	Volatilities	Interest Rate	CDS Index
Bond Definitions			Future	CDS ABS Index
Equities			Simple Money	Commodity
			Market	Futures



## Q-Story

A leading trust bank in Japan entrusted Quinnox to migrate its existing data from legacy systems to Calypso. The asset classes to be covered in this migration were Interest Rate Derivatives, Credit Derivatives, Fixed Income, Money Market, Equity Derivatives, FX Derivatives.

Quinnox successfully carried out the Data Migration using an onsite-offshore model, while delivering these benefits:

- Reduction of the development effort by using reusable processes, templates & components (enabled by the Quinnox Data Migration Frameworks & Tools)
- A definitive and structured approach for Data Migration
- Significant improvement in the load performance

Quinnox propriety tools and knowledge management also provided the added advantages of

- Automated Migration of Trade/Static/ Market data to Calypso
- Easy generation of Historical Curves / Surfaces in Calypso
- Comparison Tool for “Cash Flows” verification between Calypso and Legacy
- Automated upload of one-time upload data
- Market data for all supported “Quotes” types with high performance.

### About Quinnox

Quinnox is an IT services and solutions provider headquartered in the US, with operations in UK, Japan, Germany and India. We also have four state-of-the-art development centers in India that leverage a cost-effective delivery mechanism and a wide talent pool catering to a client base consisting of Fortune 500 companies.

Quinnox offers the full spectrum of IT lifecycle solutions, right from development to support services, including packaged implementations and product development services. We are a technology-focused company, with a wide experience in select industries – Banking and Financial Services, Retail and Manufacturing.

### QUINNOX FACTFILE

- Headquartered in Naperville, Illinois in US
- Over 1200+ employees globally
- SEI-CMM Level 5, ISO 9001 : 2000 certified
- Preferred IT solution partner for several Fortune 500 companies

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