

SILVERLAKE SYMMETRI CORE BANKING

Banks worldwide are in the process of transforming their core banking business to adapt to new market and industry drivers. Increased regulation and globalisation are heightening competition, forcing banks to become more agile in the marketplace and adopt international best practice.

Expansion into new markets is forcing banks to leverage more on their existing branch and channel networks. Furthermore, changing population demographics and more demanding and savvy customers means that banks must understand their customers completely and meet their needs, or lose them to competitors.

Silverlake Symmetri Core Banking is specifically designed to help you meet these challenges head-on. The solution is a universal banking system that provides comprehensive instrument and product coverage for retail and corporate deposits and lending, commercial banking, trade finance and treasury management. One of the leading core banking solutions in the world today, Silverlake Symmetri Core Banking covers the entire spectrum of your bank's business from retail to commercial banking.

CUSTOMER-
CENTRIC
360 DEGREE
VIEW

Business Overview

With the ongoing innovations in technology, the banking industry is undoubtedly impacted. Consumers as well as staff have altered the way they interact and are now expecting that banks are keeping up with the trends. Despite this, in many cases it is rare for banks to invest in core banking developments as it is perceived as a lesser priority to trendy front end technology. However, it is now becoming increasingly apparent that many legacy core systems are not suitably able to enable banks to be competitive in today's digital age.

Comprehensive Retail & Commercial Banking Coverage

A core banking system is the heart of a bank's business. A bank's ability to compete effectively and become a leader in the marketplace is almost a direct result of the capabilities of its core technology. Successful core banking systems must be customer-centric, intelligent, adaptive, agile and comprehensive.



Silverlake Symmetri Core Banking provides your bank with a complete suite of deposits and lending functionalities for a wide range of retail, treasury, and commercial banking business coverage.

Customer-Centric, 360-degree View of your Business and Customers

Enterprise Reference Data & Centralised Customer Information

Silverlake Symmetri Core Banking consists of real-time transaction processing modules that support the back-office operations of your universal banking business. It supports a broad range of banking products including deposit accounts, consumer and corporate lending, domestic and international payments and trade related instruments like letter of credits and treasury instruments covering foreign exchange, money market and securities products.

CUSTOMER- CENTRIC 360 DEGREE VIEW

Silverlake Symmetri Core Banking provides a centralised set of enterprise-wide customer definition and product parameters on one technology platform. This is to ensure the consistency of your customer data, activities and processes. Each core banking module is able to support the entire life cycle of a product from inception to maturity with seamless enterprise integration across customers, products, risk and accounting control.

With a single centralised enterprise foundation for your business, Silverlake Symmetri Core Banking assures you of consistent and real-time updated information giving you a complete view of your operations, risks and profitability. No more data silos, no more ambiguities.



Silverlake Symmetri Core Banking consists of real-time transaction processing modules that support the back-office operations of your universal banking business.

Customer retention is more cost effective than customer acquisition. Nowadays however, customers feel less and less loyal to any one financial institution. Today's savvy and demanding customers are more than ready to take their business to the institution that can meet their specific needs. Banks need to deliver their products and services in a personalised and customer-centric manner.

Silverlake Symmetri Core Banking provides a Kernel module which contains the individual information and preferences that are referenced by other Silverlake Symmetri Core Banking modules. The Kernel module also keeps a record of your customer's complete relationship with your financial institution and allows definition of cross relationships.

With the Kernel module, Silverlake Symmetri Core Banking delivers a centralised enterprise-level customer information repository that maintains a 360° view of your customers. This enables a bank to interact with each customer from a customer-centric perspective consistently, even across different business areas.

Silverlake Symmetri Core Banking Module Overview

DATA FILE INTERFACES	DEPOSIT	LENDING	PAYMENTS	TRADE	TREASURY	VERTICAL BUSINESS SERVICES
	CURRENT/SAVINGS	CONSUMER LOANS	DOMESTIC PAYMENTS	LETTER OF CREDIT	FOREX/MONEY MARKET	
	TEAM/FIXED	CORPORATE LOANS	INTERNATIONAL PAYMENTS	GUARANTEES	BONDS AND SHARES	
	GENERAL LEDGER	NOSTRO-VOSTRO	CUSTOMER INFORMATION	LIMITS MANAGERMENTS	ENTERPRISE KNOWLEDGE	ENTERPRISE FOUNDATION SERVICES

CUSTOMER-CENTRIC
360 DEGREE
VIEW

Enterprise Data Warehouse & Business Intelligence

A next generation core banking solution should provide not only transactions processing support but also integrated Data Warehouse and business intelligence for faster and smarter business decision making.

Silverlake Symmetri Core Banking has organised its data mining activity towards keeping all information centrally to a subject-oriented Operational Data Store (ODS), which focuses on the customer. Hence, it is customer-centric in nature. Information coming from the operational database are extracted and transformed to conform to the characteristics of the Operational Data Store. And it is important to note that the operational database need not be a Silverlake Symmetri Core Banking operational database. It can be any other source of information, even from the file-system of a legacy application.

The Knowledge Manager module is fully integrated with all Silverlake Symmetri Core Banking modules. It also supports integration with other third party data sources. Periodically, data from the different modules in the Silverlake Symmetri Core Banking database or other databases are extracted and loaded into the Knowledge Manager database.



Silverlake Symmetri Core Banking has a Knowledge Manager module that provides an enterprise OLAP data-warehousing framework designed to meet your bank's enterprise data analysis and knowledge management needs.

Enterprise-level Accounting & Risk Management

Integrated Accounting

Silverlake Symmetri Core Banking provides a General Ledger module that maintains a multi-currency enterprise and client accounting system. It supports multi-company, multi-branch and multi-profit centres, and facilitates consolidation and reporting of accounts information maintained within a nostro/vostro module.

The nostro/vostro component manages your financial institution's nostro and vostro accounts. It manages and supports the reconciliation of the nostro and vostro accounts. The module also provides liquidity management by maintaining enterprise-wide cashflow projection and a consolidated asset/liability position.

A report formatter is available to provide you with the facility to define layouts for selected financial reports such as balance sheets, profit and loss statements and subsidiary statements for your financial institution and your clients. This provide you with a complete snapshot of the current financial state of your banking business.

Enterprise-level Credit & Currency Exposure Limits

Silverlake Symmetri Core Banking's Limits Control module provides you with the capability to manage credit and currency exposure limits at multiple product and geographic levels across the entire customer relationship. Your customer can use as many forms of credit and transact in any number of currencies without you losing track of your complete credit risk exposure. Limits Control allows your financial institution to manage your risk especially with mobile high net-worth and corporate customers. Exposures are monitored online with corresponding ability to approve or reject limit excesses, allowing you to manage your credit risks completely.

Management of Customer Assets & Collateral

Collaterals lodged by your customer for the granting of various facilities are captured within the Silverlake Symmetric Core Banking. These collaterals can be categorised into different user-definable groups such as shares, fixed assets, mortgages, vehicles and guarantees etc. A margin, in percentage terms, can be assigned to each collateral type in terms of the collateral value to be considered in the assignment to the respective facility. Each and every collateral lodged by the borrower will be assigned a reference number.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT

You may link various combinations of collateral to various loan facilities for specific clients. A single collateral may secure multiple loan facilities or multiple collaterals may secure a single loan facility. It is also possible that the facility of one client is secured by the asset of another client depending on the cross relationship between them. Collateral management is maintained in the Kernel module with corresponding details, risk weights, and margins. In combination, the Kernel and Customer Lending modules lessen your bank's risk through recording of secondary sources of repayments. Collateral revaluation is cascaded down immediately, enabling your bank to view its online collateral position.

Agile Banking on Open Platform Technology

The ideal core banking solution enables your bank to design and configure new product offerings without the need to perform time-consuming and expensive customisations on the underlying software applications. It must provide you product flexibility enabling new products to be created by non-technical individuals in hours as opposed to weeks. This way, your bank can quickly deliver innovative products that keep up with market demands.

Silverlake Symmetri Core Banking is a highly parameterised solution that enables the creation of new products and services through parameter-driven configuration. Such parameters include accounting rules, fee-charging parameters, pricing methods and statement printing frequency. Additional facilities such as transaction definition, cash management, overdrafts and servicing can be easily defined to add value to your product offers.

Savings, Current & Term Deposits

Silverlake Symmetri Core Banking provides a multi-currency, multi-branch host Deposits module that can give you online transaction processing for current accounts, savings accounts, call deposits, term deposit accounts and overdraft accounts.

The module handles processing of new accounts, closure of accounts, debit and credit interest calculation and generation of accounting entries on all processed transactions. It has the capability of setting-up the access rights for different client classifications providing security for confidential accounts that should only be accessed by specific users.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT

Silverlake Symmetri Core Banking's Deposits module also supports back dated, future-dated and cross-currency financial transactions. Appropriate adjustments to balances and accruals are applied to the affected accounts on the effective date of the transaction. Moreover, it supports multiple base currencies in your bank. Each business unit can store its own base currency and rate tables against that base currency. As a standard, cross-currency transactions are triangulated against the base currency.

Silverlake Symmetri Core Banking Deposits module includes the following account services and facilities:

- Current/Savings Account
 - Cash deposit
 - Cash withdrawal
 - Cheque deposit
 - Cheque withdrawal
 - Funds transfers
- Time Deposit
 - Rollover/renewal
 - Redemption/predetermination
- Foreign Currency Transactions
 - Selling of foreign currencies
 - Buying of foreign currencies
- Safe Deposit Box
- Overdraft Facilities
- Sweeps and Standing Instructions
- Interest Compensation/Notional Pooling
- Clearing Services and Float Management
- Account Enquiries
- Cheque Book Issuance
- Posting of Interest/Charging of Fees to Third-party Accounts
- Automatic Funds Transfer across Different Accounts
- Automatic Collection of Uncollected Service Charge
- Account Restraints
- Image Capture and Retrieval with Special Instructions
- Comprehensive reports

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT



Silverlake Symmetri Core Banking provides a multi-currency, multi-branch host Deposits module that can give you online transaction processing for current accounts, savings accounts, call deposits, term deposit accounts and overdraft accounts.

Integrated Branch Teller

Silverlake Symmetri Core Banking's Branch Teller is a front-office application that interfaces with Core Banking Deposits module or other third party back office system. Its processing can be done on-line with off-line transaction handling capabilities, ensuring that the bank's customers are served professionally and continuously under all conditions. It can be interfaced with any third party host application capable of, or enabled in, communicating in industry standard messaging formats, such as ISO8583 messaging standard.

Communication with back-end systems are efficiently executed through the middleware layer employed by Silverlake Symmetri Core Banking's Branch Teller. Incorporating an adapter on the mainframe side to convert the transaction data into ISO 8583 format that is captured by middleware layer facilitates communication with protocols such as TCP/IP or System Network Architecture (SNA).

This Branch Teller module incorporates loan payments, travelers' checks and foreign exchange functionalities interfaced from the native Core Banking loan, remittance, and foreign exchange modules. Silverlake Symmetri Core Banking's Branch Teller also provides processing for accounts maintained in other branches. Customers can have the benefit of doing transactions at any convenient branch even if their accounts were opened in other branches. All the inter-branch accounting is generated and posted automatically.

Cash management is one of the stronger areas within Silverlake Symmetri Core Banking's Branch Teller. All working cash of the branch tellers is tightly controlled and reported against. All users are required to process their own individual 'start of days' to initiate their teller floats. All transfers to and from either other tellers or the vault require posting to the system. The recording of denominations of the various currencies transacted in is parameter controlled.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT

Loan Servicing

Silverlake Symmetri Core Banking provides a Customer Lending module that handles a wide variety of loan products from consumer loans to complex wholesale lending. It offers the flexibility for your bank to define new loan products through the setting of loan characteristics parameters including pricing basis, charges method, repayment rules and others.

Credit Facilities – enable the capture of credit facility information including exposure limit, date of availability, review and expiry. Default parameters are amendable to allow your bank to further customise each product to support the specific needs of each client.

Accounting – accounting entries are fully user defined, based on the product type, client type, accounting events, and amount types. Settlements to a client may be made to internal GL accounts, nostro/vostro accounts, and online to retail accounts in the Deposits module or interfaced to legacy systems.

Draws and Repayments – each credit facility may be drawn multiple times with each draw having different interest rates, repayment parameters and schedules. Loans requiring multiple disbursements with identical parameters but a single repayment schedule may be set up transacting a draw with subsequent increases. Draws and increases may be future-dated to enable the scheduling of draws against a loan account.

User-defined and amendable repayment schedules may be created with regular or irregular payment intervals. Repayments can be made from your clients' on-us accounts, accounts in another bank or the account of a co-debtor. Instalment repayments support either the standard system-generated equal monthly instalment method, the Rule of 78 method or a user-defined and amendable Apportioned Instalment method.

Interest, Charges, and Re-Pricing – supports fixed and variable interest rates, index and spread rates. Rates can be specified at disbursement level. Interest repayment can be scheduled separately from principal repayments and re-pricing dates. Re-pricing is likewise flexible through the use of user-defined frequencies, start dates and amendable parameters. Once set, re-pricing is automatic. The user need only amend the unlimited range of system wide index rates, in the Kernel module, either manually or through a feed from an internal or external rate source. The user will also have the ability to define and levy an unlimited number of charge types on an account. Penalty rates are separately available for past due principal and past due interest.

Enquiries and Reports – you are provided with a comprehensive menu of reports and enquiries with which to manage your loan portfolio.

Trade Services

Silverlake Symmetri Core Banking provides a Trade Finance module that automates the full lifecycle of trade finance operations from the issuance of a letter of credit to the buyer, to the seller's presentation of the bill, to payment to the seller by discounting the bill or issuing a trade linked loan to the buyer.

The module supports the following trade finance products:

- Letters of Credit (Issuance and Advising)
- Negotiation (process Export bills and Import bills under Letter of Credit)
- Collections (process Import and Export Bill Collection against DA or DP)
- Shipping Guarantees
- Trust Receipt and Export Loans
- Bankers' Guarantee

To improve efficiency in the transaction capture, the Trade Finance module is delivered with a library of user-defined re-usable short codes and frequently used trade phrases. Model templates can also be created and re-used.

Silverlake Symmetri Core Banking's Trade Finance module provides comprehensive fees and charges support covering onetime charges or recurring charges, fixed charges or rated charges, interest charges or two-tier charges, bank-wide charges or client-specific charges. The module enables your bank to process settlements with great flexibility. Settlement can be done either fully, partially or deferred. Each transaction can be settled in multiple currencies, through multiple accounts such as nostro, vostro, internal or customer's accounts.

The Trade Finance module automatically generates all types of outgoing correspondences in SWIFT, Telex or Mail format for different Trade Finance products under various business events. Incoming MT700 message can also be automatically uploaded and processed by system. The rule for message generation is user-definable.

Throughout the life cycle of a transaction, accounting entries are automatically generated based on user-defined parameters.

With ready integration to the Silverlake Symmetri Core Banking's Limits Control module, your bank can manage risk and limits exposure at the customer level, customer group level and country/region level based on user-defined parameters.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT



Silverlake Symmetri Core Banking provides a Trade Finance module that automates the full lifecycle of trade finance operations from the issuance of a letter of credit to the buyer, to the seller's presentation of the bill, to payment to the seller by discounting the bill or issuing a trade linked loan to the buyer.

Domestic Payments Processing

Silverlake Symmetri Core Banking includes a Domestic Payments module that provides intraday and batch processing of transactions initiated from deposit accounts or incoming clearing files. It generates messages for a Domestic Clearing/GIRO Centre.

The module supports high volume processing of financial, non-financial and standing orders transactions. It supports the setting up of services under four categories to include: standing order, direct debit mandate (collection permission), funds held and payment orders.

Silverlake Symmetri Core Banking's Domestic Payments module supports rule-based transaction processing workflow such as:

- Transaction Entry from entry screen, incoming GIRO/Clearing transactions, generated transactions from standing orders and non-financial requests
- From other delivery channels (Inward)
- Transaction approval
- Transaction booking
- GIRO/Clearing Messages generation
- Exception processing for queued and failed payments

The transaction type definition screen allows different transaction types for all required clearing messages. Parameters include accounting, queuing, value dating controls, service charging and messaging formats. These enable easy and error free transaction capture.

The module performs automated reconciliation of incoming financial messages (direct debit) with the original non-financial requests.

Settlement accounting entries are automatically generated and cash flows are updated after spooling/processing of outgoing/incoming GIRO/clearing messages. Cashflows can also be updated manually for the outstanding messages before spooling.

Funds Transfer

Silverlake Symmetri Core Banking has a Funds Transfer module that supports incoming, outgoing and internal transfers. It handles international and domestic remittances of funds in multicurrency using SWIFT standard messaging formats.

Using pre-defined transaction types, transaction details can be captured in two stages with automated computation of charges based on user-defined parameters:

Stage 1 - Users input basic transfer details, which include the sender/receiver details, transfer and other currency, exchange rate, transfer amount and date and charges.

Stage 2 - Data Entry of settlement agent details by a secondary level of control.

Verification controls for transaction capture and message generation provide the added control necessary to transact large amounts across a network of remote branches and head-office users. Tight control is implemented over each transfer transaction. Changes to transactions can be made with audit trail logging and verifications prior to posting.

Silverlake Symmetri Core Banking's Funds Transfer module provides comprehensive enquiries and report features to track transfer status and detail movement with full message generation and accounting support.

Treasury Operations

Silverlake Symmetri Core Banking includes treasury modules that support your bank's treasury operations, covering the processing of a comprehensive range of financial instruments available in the international foreign exchange, money markets and capital markets.

It is composed of selected Silverlake Symmetri Core Banking modules that support the processing of the various financial instruments within your bank, from front-office to back-office operational control, settlement and accounting management.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT

- Foreign Exchange
 - Spot
 - Forward
 - Swaps
- Securities
 - Equities
 - Discount Securities
 - Fixed Income Bonds
 - Floating Rate Securities
- Money Market
 - Call/Notice Loan/Deposit
 - Fixed Term Loan/Deposit
 - Certificate of Deposit
 - Repos and Bonds
- Trading Limits
 - Dealer/Trading Book
 - Profit Centre
 - Client Type
 - Product type/Currency
 - Transaction Type/Value



Silverlake Symmetri Core Banking includes treasury modules that support your bank's treasury operations, covering the processing of a comprehensive range of financial instruments available in the international foreign exchange, money markets and capital markets.

Position/Portfolio Maintenance - It is possible to construct a unique trading book for each trader or a specific group of dealers. Through trading books your bank can segregate its overall position into various portfolios such as trading, investment, arbitrage and hedging. Market revaluation of portfolios/position can be carried out in real-time and during the end-of-day run to establish realised and unrealised profitability.

ENTERPRISE-LEVEL ACCOUNTING & RISK MANAGEMENT

Trades Capture - Trade details can be captured manually through a deal capture screen or automatically through an interface with front-end dealing systems such as Reuters Dealing 2000 and Kondor. Trades entered in the system will immediately update all intra-day positions, providing dealers and back-office with real-time enquiry facilities. Trade details can be amended at any time during the day. All positions are adjusted accordingly.

Settlement Processing- Back-office capturing of settlement information can be facilitated by the use of default pay/receive instructions maintained for a specific counterparty. Confirmations and the related payment messages are generated for transmission either through SWIFT, telex, fax or post.

Upon verification of all trades entered, day-end processes will be executed to update positions, compute realised and unrealised profit/loss, update projected nostro account balances and post accounting entries to the General Ledger.

Limits and Risk Management – Integration with the Silverlake Symmetri Core Banking's Limits Control and trading limit modules enables your bank to monitor in real-time exposure against internal trading limits and external counterparty facilities.

The rules for monitoring the exposures arising from trading in the various treasury products are defined in the respective treasury module. Your bank can define the different internal trading limits or counterparty facility limits that need to be tracked based on various business events. It supports both online and offline (remote) override processing of limit excesses in accordance with user approval levels.

Accounting Management – Accounting entries are fully user-defined based on the transaction type, client type, accounting events and amount types. Settlements to a client may be made to internal GL accounts, nostro/vostro accounts, and online to retail accounts in the Deposits module or interfaced to other legacy systems. Accounting entries related to mark-to-market revaluation and realised and unrealised profitability analysis are also automatically generated.

Securities Custody Holding - For securities, custody holdings can be maintained by specific customer, security and custodian. It keeps tracks of securities on pledged, transit and in custody. An in-built diary is available to monitor coupons, bonus issues, rights and dividend entitlements on each security holding.

About Silverlake Symmetri Core Banking

Silverlake Symmetri Core Banking is a universal core banking system built using a SOA architecture that is componentized and has interoperable and compositional services which reduce the need for multiple back office processing systems to support the bank's product portfolio. A true single source platform, Silverlake Symmetri Core Banking provides comprehensive instrument and product coverage.

About Silverlake Symmetri

Silverlake Symmetri's solutions provide banks with a range of banking software that enables them to address their core banking, customer management, online banking, mobile banking and card management requirements.

Banks around the world are using the suite's componentised business solutions to help drive their customer service, retention and core operational strategies through improved visibility of customer relationships and increased front to back office efficiencies. The flexibility and functional breadth of these solutions helps banks to optimise the customer experience, improve operational efficiencies and excel through innovation, ensuring banks drive profitability and maintain compliance.

About Silverlake Axis

Silverlake Axis creates technologies and build sustainable and dynamic environments to enable the Digital Economy. What sets Silverlake Axis apart is the foundation for its computing principles, which are grounded on mathematical theories.

Silverlake Axis has more than 25 year track record of experience and a breadth of expertise as a leading provider of Digital Economy solutions and services for major organizations in Banking, Insurance, Payments, Retail and Logistics industries. Over 40% of the top 20 largest banks in South-East Asia run the Silverlake Axis core banking solution, and we are the core system platform partner of choice for 3 of the 5 largest ASEAN super regional financial institutions.

Today, the Group's solutions are delivering operational excellence and enabling business transformations at over 200 organisations in ASEAN, Australia, China, Europe, Japan, Middle East, New Zealand and South Asia. Silverlake Axis is listed in the Mainboard of the Singapore Stock Exchange (SGX).

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