

CoreSoft™



Tangled technologies of old core systems hinder your capacity to adapt and respond to new challenges. A new generation core processing system can revolutionize your day-to-day operations.

Financial institutions operate in a highly competitive marketplace fueled by changing customer preferences, a multitude of delivery channels, and an intensified regulatory environment. Given the complexity of today's challenges, financial institutions need an enterprise-wide solution capable of providing a single view of all customer relationships, with flexible deployment options for new delivery channels, and a proactive approach toward risk and compliance.

Legacy core systems built on outdated technologies are poorly equipped to meet emerging challenges. Years of workarounds, process reengineering, and bootleg customizations have resulted in an array of tangled technologies that are increasingly difficult to manage. With fewer professionals to manage old technology, the maintenance cost is set to go higher.

A modern core processing system built on the latest technologies can revolutionize your day-to-day operations. It can replace or connect disparate systems and self-contained services to provide you a solid foundation on which you can build a robust solution by adding and synchronizing other systems.

CoreSoft™ from VSoft Corporation

CoreSoft is a comprehensive core processing system built on advanced browser-based technologies. Its platform-independent and open-system design based on Service Oriented Architecture (SOA) gives you the highest level of flexibility, integration and value.

CoreSoft offers you remarkable freedom of choice in terms of deployment options, operating environments, and processing methods. The unique parameter-driven design of the system enables you to quickly and efficiently adapt to dynamic market needs without hiring expensive labor to write tedious customizations.

With CoreSoft as your core processing system, your institution benefits from an enterprise-wide automation that significantly reduces processing time, reinforces financial management, and strengthens regulatory reporting.



“When we began working with VSoft, we did not find a vendor, we found a true partner. VSoft listened to us, worked with us, and believed that if we succeeded, they would succeed. We have worked together for many years, always building on each other’s strengths. CoreSoft is going to be a catalyst for any financial institution that wants to remain competitive in this new banking era.”

Mr. Worth Harris Carter, Jr.
chairman of the board and president
Carter Bank & Trust

Business Benefits

CoreSoft's business benefits can be viewed from three broad perspectives: flexibility, integration and value. These three fundamental aspects have far-reaching implications for your growth as a forward-looking and future-ready financial institution.

Flexibility

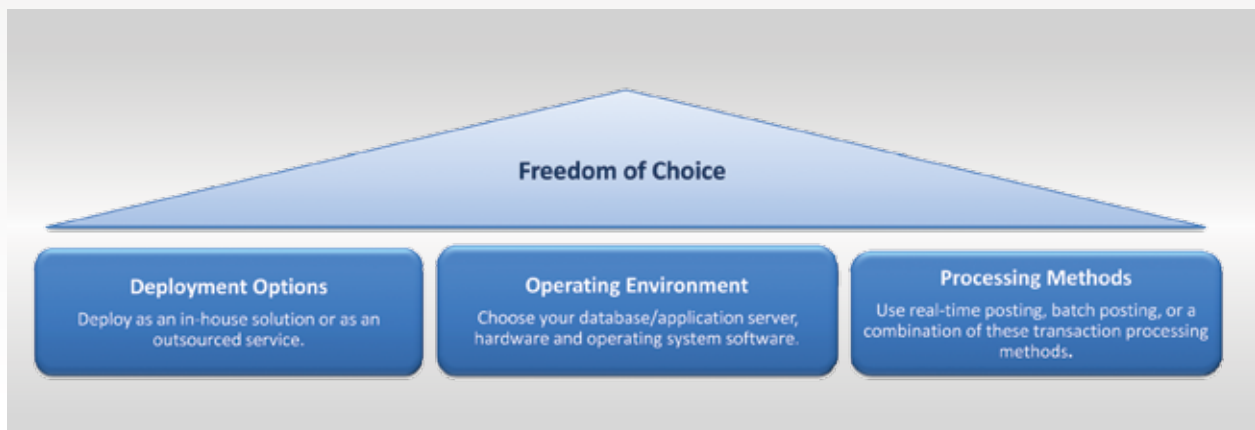
Flexibility enables you to adapt quickly to external changes with the ability to scale your operations accordingly. CoreSoft's unified view of customer information, synchronizing fragmented sources from multiple systems, helps you make truly customer-centric business decisions. Freedom to select the delivery model of your choice, based on your size, required features, and budget results in optimum resource allocation that satisfies the strategic mission of your institution. You can adapt either real-time or batch posting, or a combination of these transaction processing methods in an operating environment of your choice. With customizable business rules you gain remarkable business agility to quickly launch new products or fine tune your existing products to suit changing market conditions.

Integration

CoreSoft is built on the best principles of SOA resulting in re-usable business services. This enables you to quickly respond to business changes and wider integration capabilities with external systems on multiple platforms. Popular industry standard protocols such as J2EE, Hibernate, XACML, JTwain, and Apache Service Mix enable the system to run on any environment that supports these standards. Hardware independence provides you the freedom of choice in hardware and software infrastructure that best fits your existing or desired environment. With reliable and highly secure data management systems built into CoreSoft, risk and regulatory compliance is ensured, giving you complete peace of mind.

Value

The true value of CoreSoft is the superior benefit-cost ratio it offers with higher return on investment (ROI) for lower total cost of ownership (TCO). The modular structure of the system and SOA-enabled, re-usable business services combined with multiple delivery models and hardware independence gives you comprehensive flexibility in terms of ownership costs. You get new life out of the capital investments you have already made in hardware as CoreSoft works with many popular hardware systems. In addition, real-time transactional capabilities and ease-of-use offer you invaluable returns.



Technology Overview

Legacy conversion can be a daunting task when seen from a business continuity perspective. However, the gap between your technology infrastructure and your business needs is bound to get wider as you continue to grow as an enterprise. This is especially evident in the fact that as more and more systems are added, the number of interconnections to be defined between these systems rises exponentially.

Service-Oriented Architecture

In short, CoreSoft simplifies and automates business processes to the greatest extent possible without having to make sweeping changes to the existing applications or data structures.

As a technological ecosystem, SOA can organize and integrate disparate systems, platforms, and applications within your enterprise into interoperable, standards-based services that can be combined and reused quickly to meet business needs.

Sets of reusable code contained in CoreSoft for important business services give you tremendous flexibility to link different sets of services. For example, a self contained set of code for placing a stop on an account can be reused effectively when you decide to offer online mobile banking as a new delivery channel.

CoreSoft works with multiple operating systems, including Linux, that can save you substantial cost of ownership and maintenance. In addition, the system is uniquely architected to work with multiple database and application servers.



Object-Oriented Design

Coresoft is designed using object-oriented techniques to provide a single view of all the relationships between the customer and your financial institution. For example, if a customer is the primary owner of a checking account, a joint owner of a savings account, a borrower for a construction loan, and a beneficiary of a savings plan, CoreSoft displays all the different relationships between you and the customer on a common screen.

Java 2 Enterprise Edition (J2EE)

CoreSoft is built on the J2EE platform that simplifies enterprise applications by first basing them on standardized, modular components and then by providing a complete set of services to those components. By handling many details of application behavior automatically, J2EE eliminates complex programming.

Electronic Commerce

The Enterprise Service Bus (ESB) within CoreSoft is a common communication infrastructure that acts as a platform-neutral adapter between applications. As a result, applications can be integrated with each other in a loosely coupled manner through this mediator, eliminating the interdependence between each interface. Some of the applications that can be easily integrated with CoreSoft are: internet banking, mobile banking, cash management, merchant card services, bill payment, and telebanking.

Retail Operations

CoreSoft provides you powerful, easy-to-use front office tools that ensure swifter customer service; faster transaction processing; and smart setup and servicing for deposit and loan products.

Teller

CoreSoft's Graphical User Interface (GUI) and smart screen layout provides a single, unified view of your customers. This enables customer-centric service and prompt processing of over-the-counter transactions.

Transaction Processing

The robust, scalable, and efficient transaction processing can accept transactions from various sources in different formats along with the flexibility to define new transaction types and their posting rules with ease. The sources could be item processing, returns, chargebacks, ACH, automatic transfer instructions, payroll, 401(k), teller, debit cards and ATM networks. In addition, the feature supports both real-time and batch processing modes; is trancode independent, allowing you to retain your existing trancodes; facilitates in-depth reason description for exception items; and provides operational controls such as duplicate verification and file-in-balance checks.



Inquiry and Maintenance

Both the account inquiry and maintenance features allow users to retrieve customers and accounts using multiple search criteria with wildcard search options. Your users get instant access to real-time information on the current, ledger and available balances. Transaction history with running balances and additional information for each transaction is shown on a common screen. The maintenance feature lets users modify account ownership details and statement addresses, place stops and holds, and specify automatic transfer instructions. All maintenance activity is logged with details of the user, location, time and the before/after values of the field that was maintained.

End-of-Day Account Processing

CoreSoft provides full-fledged end-of-day processing for all types of deposit accounts such as checking, savings, club accounts, CDs and IRAs with the ability to prepare data for feeding into the General Ledger (GL) system. End-of-day processing can include calculating interest, making interest payments, cycling accounts, withholding taxes and levying service charges. Seamless integration with VSoft's item processing suite of products facilitates statement generation, printing of notices, account reconciliation and report archival.

Platform

The screens for customer setup allow users to quickly search for existing details of a customer or to create a new customer record. Users are prompted to verify that the details stored in the system are compliant with the requirements of the U.S. Patriot Act. The system facilitates scan and storage of all identification documents provided by the customer, through a seamless interface with document imaging systems. It allows multiple customers to be set up on an account and provides for different responsibility assignments. The platform provides access to:

- Automated Credit Reporting Module (CRM)
- Certificate of Deposit
- Savings Accounting
- Demand Deposit Accounting
- IRAs
- Health Savings Accounts
- Debit Card Ordering
- Bond Accounting

Account Setup

The automated workflow engine in account setup makes account opening a quick and effortless task for your staff. The customer setup workflow allows financial institution personnel to quickly search for existing details of a customer or to create a new customer record in compliance with Customer Identification Program (CIP) requirements of the U.S. Patriot Act. The risk assessment procedure automatically computes a risk score based on predefined rules. Your users can stop the process at any point and continue at a later time and location for any distraction that may occur during the opening process. The seamless interfaces with the VSoft Document Management and Check Imaging Systems provide single-click access to customer identification documents, signature cards and item images, thus enabling quick research and response to customers' queries.

Lending

CoreSoft contains a complete Loans Management system that can process all types of loans. Whether it is a fixed or variable interest rate loan; has simple or amortized interest calculation methods; or has regular or irregular payment schedules; in CoreSoft, our single system allows management of all loans, no matter the type or terms. This gives your financial institution unlimited flexibility in combining features such as interest calculation, repayment method, and collateral to make customized loans, thus enhancing customer satisfaction and maximizing your profitability.

Loan Booking and Management

The account setup feature allows you to book a loan once the origination and decisioning process is complete. It supports opening of any type of loan account and comes inbuilt with a maker-checker workflow that ensures human errors in data entry are minimized. The customer setup procedure allows users to quickly search for existing customer details or create a new customer record in compliance with requirements of the U.S. Patriot Act. The note setup procedure provides the ability to present fields and screens based on previous data inputs, thus significantly improving usability.



Loan Servicing

The inquiry and maintenance features provide users a common screen layout, with role-based privileges governing access to the maintenance function. Both features allow users to retrieve customers and accounts using multiple search criteria with wildcard search options. The inquiry feature gives quick and easy access to real-time information on the outstanding loan balance along with an inbuilt loan payout calculator that facilitates payout computations for any date specified. Maintenance provides all features of the inquiry feature and in addition, allows users to edit account ownership details, modify statement addresses, and more. All maintenance activity is logged with details of the user, location, time and the before/after values of the maintained field.

“CoreSoft’s loan platform took us from a multi-system database to an extremely user-friendly parameter and field driven system. Having our loans on one system makes it simple to extract information for call reports, management updates and board review purposes. Additionally, developing new products that meet regulatory requirements is now simple and allows us to get to market quickly.”

Phyllis Karavatakis
senior V.P.
Carter Bank & Trust

Back Office Operations

CoreSoft contains powerful back office tools and functions that control as well as complement your front office operations. Additionally, the GL system with its intuitive GUI assists you with planning, budgeting and monitoring your financials.



Deposit Operations

Interest Calculation

The interest calculation function supports tiered interest rates. It allows you to control the type of balance on which interest should be accrued (collected or uncollected) and the type of formula to be used (simple, periodic or daily compounding).

Interest Payment

CoreSoft allows flexible (monthly, quarterly, semi-annually or at maturity) interest payment frequencies. It offers various proceeds options including payment by check, compounding into the same account or as an automatic deposit into another account. It also invokes the relevant tax withholding routine to generate appropriate interest credit transactions on the day the interest payment is due.

Service Charges

CoreSoft provides for different types of service charges to be assessed on the account, including account maintenance charges, activity charges, foreign item charges and dormant charges. The system provides options for the institution to waive one or more charges at the account level.

Account Cycling

CoreSoft facilitates generation of combined statements for a customer with consolidated data of all accounts that the customer owns. It also allows for various cycle codes to be configured.

Exception Item Handling

Exception items are tagged with a fine-grained reason description that makes it easier for your personnel to perform root cause analysis and take corrective action. The default reason descriptions provided by the system can, however, be changed by the financial institution through the parameters feature. CoreSoft works seamlessly with returns systems that load the exception item file for automated processing.

Automated Clearing House (ACH)

The ACH entry feature enables you to read information from automated clearing house files into a warehouse and post the transactions into the respective customer accounts. The feature has inbuilt verification procedures to check for file accuracy and to ensure the file does not get processed more than once.

Remote Deposit Capture Interface

CoreSoft seamlessly interfaces with deposit capture solutions at the branch, back counter, teller, merchant, ATM, and home or office of the consumer.

Loan Operations

Loan Accounting

CoreSoft provides full-fledged end-of-day processing for all types of loan accounts. This function is responsible for calculating interest accruals, financial institution earnings, dealer earnings and insurance earnings. It also generates bills, cycles accounts, computes new interest rates, updates past due counters, and levies late charges.

Loan Reporting

While the accounting system performs the various calculations, the reporting function prepares data for feeding into your GL system. Data is also extracted for generating statements, notices, extracts and reports. CoreSoft works seamlessly with item processing products that facilitate consolidated statement generation, printing of notices and report archival.

Loan Collections

CoreSoft allows you to control the lead days, prior to the scheduled due date, that determine when the bill for an account should be generated. The amount on the bill is determined by the repayment schedule and the repayment method on the account. The system supports a variety of loan repayment methods. Balloon payments are also handled with ease. CoreSoft supports multiple repayment mode options such as automatic transfer, billing, coupon book and statement.

Rate Changes

On loans that are set up with a variable interest rate option, the rate change function computes the new rate and generates the rate change notice to be sent to the borrower. The system allows you to control the lead days, prior to the scheduled rate change date, for sending the notice.

Past Due Calculations

The system has 30, 60, and 90 day past due counters pre-defined. It allows you to determine whether these past due counters need to be updated progressively or in a cumulative fashion.

Late Charge Assessment

Late charge for every payment is assessed only when a user-defined grace period elapses. The system allows you to also configure multiple late charge options that control how late charges will be assessed.



Financial Management

CoreSoft's GL system combines sound financial principles with the power of information technology. The system allows you to set up multiple ledgers, perform transaction processing and generate daily, monthly and year-end reports. Multi-institution support is provided for consolidation of data at multiple levels, from branch to holding company. The system is uniquely designed to allow back-dated entries to be posted to the ledger. This enables a real-time snapshot of the corrected ledger for any day in the historical archive.

Account Setup

Your users can easily set up multiple ledgers for different business units within the financial institution. With a single click, a ledger that has been previously set up can automatically be copied to create ledgers for other business units. The "Create in all" option allows you to add a new account to all the ledgers in the system at once. The system also provides you the ability to set up charts of accounts with unlimited levels. And, it automatically assigns account types to new accounts based on a pre-defined mapping between account number ranges and account types.



Account Inquiry and Maintenance

The GL system allows you to view the structure of your entire chart of accounts online. It also allows you to easily query on the latest balances in any given ledger account. The system is also designed to retain the complete transaction history of accounts pre-defined by you. Role-based policies govern access to the maintenance module. Authorized users are allowed to add, modify and delete accounts to the ledgers in the system.

Transaction Processing

The transaction processing function accepts transactions from a wide variety of sources, including files from deposits and loans systems, item processing, returns, and chargebacks. It also provides a data entry application that gives users the ability to add, modify, or delete batches of transactions manually.

The system also supports automatic transaction allocation based on pre-defined rules that can be tagged with a validity period. Allocation rules are automatically applied for all transactions processed during the validity period and the resultant transactions are posted. For example, a rule that allocates expenses from a particular corporate ledger account to all branch ledger accounts based on percentages would be applied systematically, every time a transaction is posted to the corporate expense account. The transactions to be posted into the branch ledgers would automatically be generated and posted by the system.

End of Day Processing

The system generates a host of daily reports, including the balance sheet, profit and loss, posted transaction journal, unposted transaction journal and the GL summary journal. It also performs month-end, quarter-end, and year-end processing; and generates the corresponding reports.

Budgeting and Allocation

The budget and allocation system helps you create and modify budgets for all business units under the holding company for any time period (month, quarter, year.) The system projects the current period closing balances of your ledger accounts based on the year-to-date actuals and uses the projected figures to create a baseline budget for the next period. You may then review and revise the figures as necessary. You may also perform automatic allocation of budget from a corporate ledger account into the corresponding ledger accounts of various business units. All you need is to define an allocation percentage. The system will then create budget figures for the individual ledgers by distributing the corporate budgets according to the percentages defined.

Risk and Compliance

With risk and compliance management becoming increasingly critical, CoreSoft ensures you peace of mind with safeguards in the system.

Risk Assessment

On selection of the purchase product being bought, a risk assessment form is displayed to your users with selectable multi-choice options for various assessment criteria, pre-defined by the financial institution. The risk score is calculated based on predefined rules and rated as low, moderate or high. The interface also allows you to adjust the risk assessment score based on mitigating factors you may want to consider.



Alerts

The alerts function enables your users to set up alerts at customer or account levels. Alerts draw the attention of your users to specific events such as a possible identity theft of the customer, a stolen check for a particular account, or potential cross-selling opportunities. User-level validations ensure that the system does not display the alert to the same user during the remainder of the day. A summary of each alert displays the subject of the alert, the user who created the alert, the location of the user, date and time the alert was created, and a descriptive message stating the purpose of the alert.

Patriot Act Compliance

CoreSoft contains control features that assist you with Patriot Act compliance. When setting up customer profiles, your users are prompted to verify that the details stored in the system are CIP compliant. Additionally, the system facilitates scan and storage of identification documents such as signature cards with easy access across branches.

Reporting

All financial institutions are required to submit both regulatory and internal reporting on the financial condition and the results of its operations. CoreSoft's reporting suite includes reports that are commonly used across the industry. CoreSoft also offers an easy-to-use and easy-to-access reporting tool that aids in the creation of new reporting required either by a regulatory agency or the operations department. CoreSoft offers a wide variety of reporting to meet your financial institution's needs for today and tomorrow as your business continues to grow. The reports below represent a sampling of the breadth of CoreSoft's reporting capabilities.

- Automated Credit Reporting
- Federal Call Reporting
- Retirement Reporting
- OFAC Reporting
- Transaction Authorization



Report Archive

CoreSoft's integrated and efficient document management system provides access to a wide variety of information.

Exception Reporting

Exception reporting allows you to monitor accounts without activity or that require special servicing.

Regulatory Reporting

Regulatory reporting helps your institution collect the information needed to support and meet your regulatory reporting activities.

Debit Card Platform

The Debit Card Platform integrates the external card management system with the data in CoreSoft using ISO 8583, the universally accepted standard for exchanging transactions. It contains a switch interface which is a middleware that connects the card system and CoreSoft. An ordering/life cycle management interface contains easy-to-use screens to manage the subscription life cycle of debit card requests with an integrated capture utility that can work with most readily available scanners on the market today. Accurate monitoring of transactions is aided by the continuous tracking of reconciliation logs with the ability to generate on-demand reports.

Integrated Modules

While the core functionalities are the foundation of your operations, you also need services and utilities that supplement your core operations to give you a holistic, all-inclusive operational experience. CoreSoft contains a list of integrated modules that have become benchmarks of modern-day financial service.

Electronic Federal Tax Payment System (EFTPS)

The integrated EFTPS feature offers your customers the convenience and flexibility of making tax payments right through their accounts at your financial institution. CoreSoft enables you to schedule federal tax payments for your customers and make the payments on the indicated due date.

Bonds Redemption

With CoreSoft, you can save details of Series E and Series EE bonds that your customers redeem. Information such as the face amount, interest earned, the state and federal tax applicable on the bond, and the redemption value of the bond can be captured along with remarks, if any.

Office of Foreign Assets Control (OFAC)

With the integrated OFAC system in CoreSoft, you can easily keep track of international transactions occurring in your system and address those that are potentially suspicious or fraudulent. This feature enables you to not only detect fraud, but also ensures that you comply with the OFAC regulations.

Address Correction

With the integrated USPS interface, processes like verifying and correcting address and other information on your customers is automated. The solution communicates with the USPS system to ensure accuracy and credibility of your customers' residential and postal information.

Alerts

The CoreSoft alerts module enables your users to set up appropriate system alerts at customer and account levels. Alerts draw your attention to specific concerns such as a possible identity theft of the customer or a stolen check for a particular account.

Check and Notice Printing

The integrated check and notice printing capability enables you to automatically print checks and notices at regular points of customer interaction and communication. Delivering notifications to your customers is automated with CoreSoft. The solution prints appropriate customer notices at defined points in time. The predefined notice templates not only eliminate manual processing but also save you valuable time.

Report Writer

The Report Writer feature in CoreSoft extracts the information you require from different sources and presents it in a specified format.



Summary

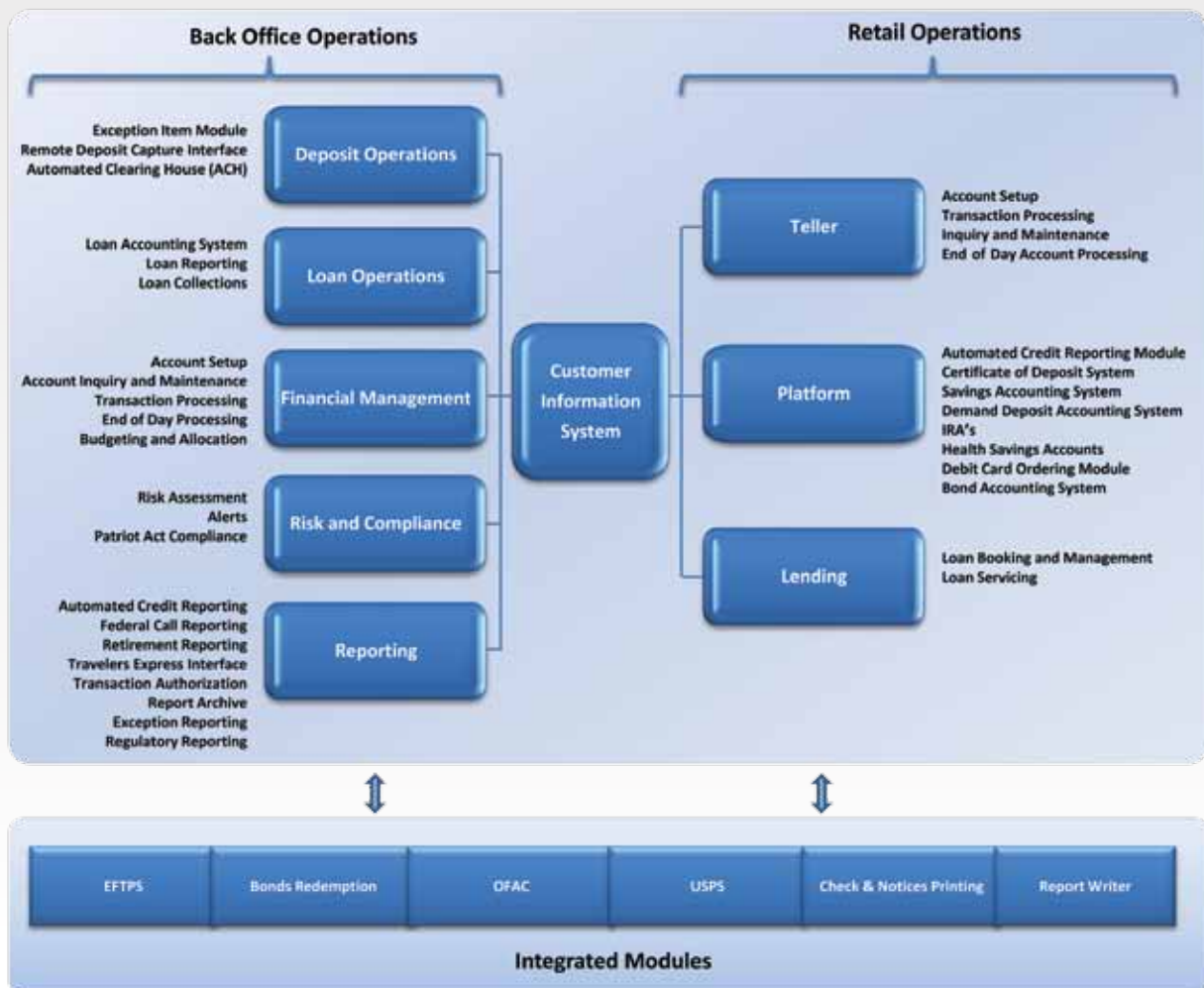
The first step toward modernizing your business process is to improve information access across multiple systems and services within and outside your enterprise. You should also ensure accuracy and reliability of the information accessed from multiple locations at different times of the day or night. CoreSoft's open standards enable integration with an array of other solutions and services. Its built-in controls for product definition help you to broaden your product offerings. Compatibility with popular hardware and multiple deployment options helps you keep the ownership cost low, giving you true value for your technology investment.

Experience

Since 1996, VSoft has been delivering process improvement solutions that increase productivity and reduce overall costs through best-of-breed IT solutions. With extensive experience in item processing and proven success in the market, developing an advanced core processing solution to meet the needs of financial institutions was a natural progression.

An Enterprise Solutions Partner

VSoft understands the challenges of doing business in today's technology-driven world. Innovations come rapidly and bring changes that subtly shift the playing field between you, your customers, and your competition. When you partner with VSoft you get better system performance, improved overall productivity, innovative features that improve both workflow and system reliability and unmatched customer service. VSoft products are scalable, flexible, and modular, allowing the delivery of an effective solution to your most difficult challenges.



Contact us
vsoftcorp.com

VSoft Corporation: 6455 East Johns Crossing, Suite 450, Duluth, GA 30097 USA
General Inquiries: 770.840.0097
Sales and Marketing: 770.225.7692; marketing@vsoftcorp.com

**VSoft: Plot # 36 & 37, Flagstone Towers, Financial District, Gachibowli,
Hyderabad - 500032 AP, INDIA**
General Inquiries: 91.40.4477.5777
Sales and Marketing: 91.40.4477.5669