



'Next Generation' ERP/HCM/CRM Product Development Framework

Feel the Difference...

Powered by
READ Concepts
Rapid Enterprise Application Development

A Game Changing Product Development Framework



Richness of Microsoft
DevExpress UI & UX



Robustness of Java
Middleware



Middleware Platform
Neutral Hosting(Any O/S,Any DB)



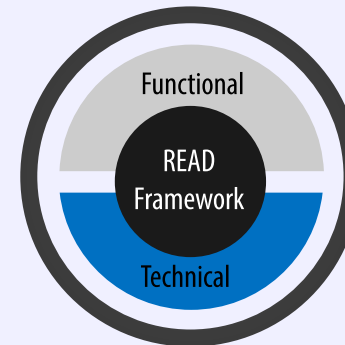
No third party Licensing +
Light weight & Scalable Architecture

Having years of expertise in building enterprise and consumer software – succeeding in many cases and failing in a few – we've evolved a product framework that we are passionate about, and we have christened this producteering marvel as " iCore ". Unlike the competition, we dreamt, strongly believed, and achieved a product development framework instead of a designing yetanother tactical commercial off the shelf (COTS) product.

iCore a flagship IP of ebaConnect, is powered by Rapid Enterprise Application Development Framework (READ), which is an accelerator to jump start application development across any or diverse industries. The four key tenets applied are: Principles, Practices, People and Platforms.

iCore, a plug and play product development framework, is a fusion of hybrid technology with interactive rich UI (Microsoft / DevExpress) and robust back end components (Java/J2EE), and does not involve any additional third party licensing deployment costs. It is platform neutral and independent.

Why READ Framework ?



Application development can be conceived and co-related to a car assembling unit. Specialized skilled labor coupled with state-of-the art automation process assembles hundreds of components in to a chassis framework in parallel assembly lanes to roll out a car. It's still amazing and hard to believe that some well established players in the market need just an average of less than 52seconds to roll out a car.

Minimum Effort Maximum Results

A product based software engineering is no different from this car manufacturing/engineering marvel. In order to achieve a higher degree of productivity, it is imperative to have a well defined, innovative and matured process in place catering to essential heterogeneous frameworks, rapid prototyping, extensive R&D, component driven assemblies, automation, innovation, repeatability and reusability and last but not the least a process/methodology for best practice adoption.

Unlike conventional development methods, we have a READ framework that acts as an accelerator to build and deploy small to large integrated commercial applications due to the extensive reusable component library code base.

This “Plug and play container” framework has primarily two components, functional and technical. It allows developers to assemble and rapidly add components to the framework with minimal coding, generating high quality user interfaces for a consistent appearance and behavior.

This huge jumpstart makes the developers extremely productive as they need not construct the whole application from the ground up. The learning curve is extremely short, productivity is high and the applications are world class—it's like having an experienced mentor sitting next to your developers.

READ framework has the technological capability to address essential plumbing layers like caching, logging, exception handling, audit trail capability, resource/message handling, and native adapters with data synchronization which is pre-built.

Be it a transactions, master, report or dashboard, you can rapidly prototype and build screen mockups with a final look and feel. Plug it to the visual framework container which has a pre-built configurable menu, navigation and UI/UX components.

The menu and navigation container does not involve any additional development effort, but provides a consistent visual user experience, appearance and behavior throughout the application. All that is needed is to define and just deploy.

Reports, Transactions, Masters and dashboards can be built as standalone components and plugged into the respective containers. It will start to seamlessly gel and integrate as one application unit.



PLUG & PLAY CONTAINER DRIVEN FRAMEWORKS

Visual Framework: Menu, Navigation, UI & UX

Application Layer: Transactions, Reports, Masters, Dashboard Containers

Data Security Layer: Role Based Access control, Security

Process Layer: Configurable Workflow & Process Flow, Update manager, Batch & Scheduling

Plumbing Layer: Essential Plumbing Layers like data logging, exception handling, user and resource messages. . . ,

Data Access framework: Java/J2EE/Spring web services with standard factory patterns, DevExpress Forms & Controls with MVC patterns, iBatis(ORM) for data persistence, Apache Server with CXF, MySQL, Linux/UbuntuFunctional & Business Framework: Core extendable ERP Engine with Supply chain, HCM Financial & Project Accounting
Integration Framework: Tightly integrated with finance and has intra module integration capability

Functional & Business Framework: Core extendable ERP Engine with Supply chain, HCM Financial & Project Accounting

Integration Framework: Tightly integrated with finance and has intra module integration capability

Similarly Role based access control and security layers are pre-built in the plug and play container framework and it can be implemented even in the early stages of prototyping so that users start validating appropriate user management, authority; role & security policy management upfront

Designed to be an n-tier SOA architecture model, the choice of tools/components choices is carefully calibrated to address appropriate usage of integration & Application layers by bringing in the best practices in design and development. Undue care is taken, in the rich architectural framework to ensure that performance is not compromised – for instance – servers are not hit unnecessarily on transactional processing, optimization on static and master data loads, server and client side caching, table partitioning and indexing for non-degradable performance.

This framework also is embedded with a core ERP engine spanning from Finance, Supply chain, HCM and financial & project accounting. This essential and very rich functional feature set (elaborated in the subsequent sections) caters to a wide range of general industries, be it retail, services or construction. Any other functionality or a new module can be easily extended and integrated as bolt ons. Configuring and implementing pre-built business processes and approval workflows or unique customization is easy. It helps business users to have a skin in the game simulating a live test environment. They can literally experience the end product by creating and simulating live transactions.

READ framework has a built-in framework to integrate and interface primarily with finance modules which can be easily extended for any customized module to module integration requirements.

A detailed pictorial representation eliciting the functional framework features is elaborated in the subsequent sections. Also we have provided a suggested process implementation roadmap for defining and planning successful IT investments.

Be it a complete ground-up or be-spoke applications or adding top-up business functionalities, we summarize the advantage of iConnect powered by READ framework.

- Jump-start your product development framework and save 30% of the time and cost on day one.
- Prototype rapidly to build reusable wire-frames/screen mockups to bring visual experience on Day 1.
- Experience and enjoy “World Class” UI with reusable container frameworks due to pre-built component libraries.
- Transform Application Development to build product or projects by bringing in “product class” approach right at the beginning.
- Experience Robustness, Scalability, Performance by extensively reusing our product development framework and crash your time-to-market
- We have identified time-consuming tasks in product development and built accelerators so that the team focuses on business rather than engage in mundane and repetitive engineering tasks
- Can utilize the core ERP engine and build bolt-ons or completely rebuild be-spoke applications from scratch.

We strongly believe that business should be run by “business users” and not governed by dictates of IT vendors and consultants.

Value Proposition

1

- Visually compelling User Experience enabling more productivity to end users.
- Drag & drop features. Easy to use, intuitive processes and navigations.

2

- Rapid prototyping and deployment by in-built accelerated frameworks results in low customization costs.
- No need to spend on process flows, integration, workflow, role based access controls and security.
- Bolt-on architecture to extend any new modules, functionalities and integration including third party applications.

3

- Product to Project framework Extensibility.
- Scalable framework to address any industry or solutions.
- Business user driven process. Independence from IT vendors and consultants to run & maintain

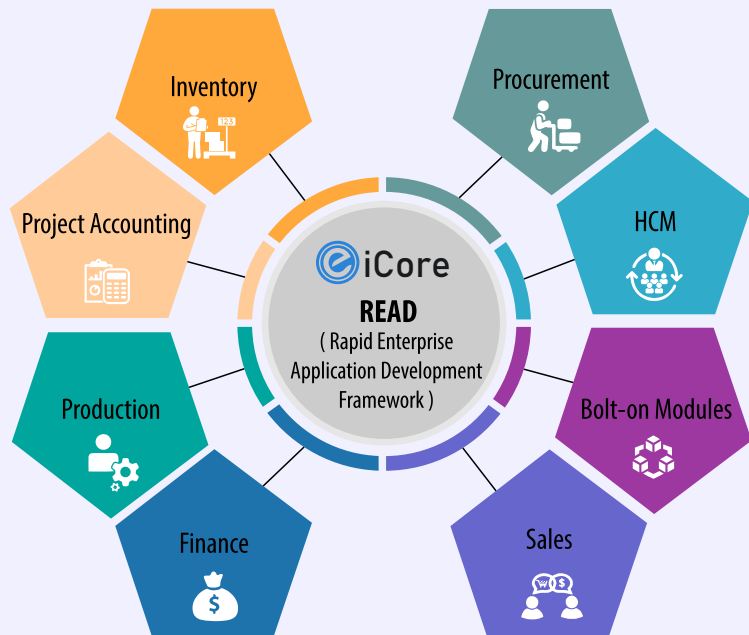
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- R&D cost savings – No re-invention of wheels concept.
- Negligible training cost and efforts for any new entrant.
- Quick ROI realization by Open source model deployments, subject to customer preferences.

5

- Lean and flexible pricing model. Pay only for the product.
- Affordable Solutions.
- Free upgrades and updates for standard features and releases

Functional Framework



FINANCIAL ACCOUNTING

- **Finance** - Multi-Currency, Multi Company, General Ledger, Profit & Cost Center structuring, Accounts Receivable, Accounts Payable, Cash & Bank Accounting, Open Dues & Set off Management, Financial Statements & Ratios, BRS & Cash Flow Statement, Year End and month closure activities.
- **Budgeting** - Top down or bottom up budgeting, Sales, Purchase, CAPEX and OPEX Budgeting, Budget Approval & Versioning.
- **Asset Management** - Asset Classification, Asset Master Data, Asset Acquisition, Asset Transfer & Retirement, Asset Tracking & Transaction history, Depreciation Management (various methods), Lease Projection, Insurance & Warranty Management

PROJECT ACCOUNTING & MANAGEMENT

Projects - Project Structuring & Templates, Resource Planning & Scheduling, Resource Allocation & Balancing, Project Estimate, Risk Management & Risk Impact Scale, Issue Management, Project Stock, Milestone Invoicing & Settlement, Gantt View, CPM and PERT, Earned Value Management, Integration with Inventory, Asset, Sales, Procurement & Finance.

SALES

Order to Cash - Estimates, Sales Order, Invoices, Payment Receipt, Delivery Challan, Material Issue, Returns Management, Sales & Revenue Analysis, Sales Forecasting & Reporting, Target & Projections, Sales Budgeting, Incentives, Customer & Credit Management, **Commission, Pricing Profiles, Sales Taxation, Integration with Finance**Point of Sale – POS, Loyalty & Reward Points, ** Post Sales – Field Order & Service Order Management
Lean CRM – Lead to Cash (Pre Sales CRM Funnel)

PROCUREMENT

Tendering & Evaluation – RFI, Quote Response & Vendor Evaluation Procure to Pay - Indent, Purchase Requisition, Purchase Order, Goods Receipt Note (GRN), Service Entry, Inspection, Invoice, Vendor Management, Integration with Finance & Purchase Budgeting, Purchase Forecasting & Reporting

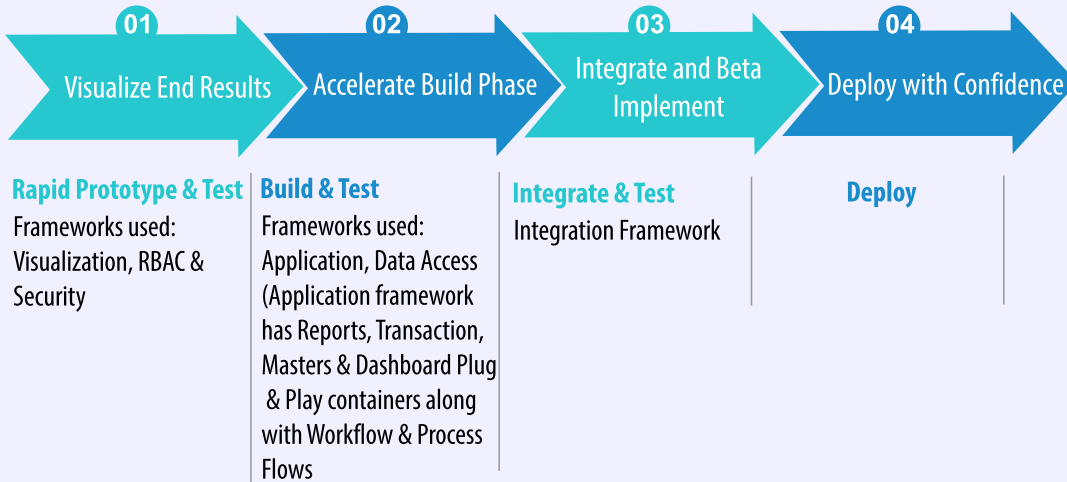
INVENTORY

Material Handling – Item Classification & Master – BOM Creation (Kit), Assembly, Material Receipts & Returns, Goods Issue – Pick & Pack Slip, Stock Transfer, Project Stock Maintenance, Store and Location-wise Inventory Valuation,**Physical Stock/Cycle Count Verification. **ABC Analysis, Item Trends & Analysis **Lean WMS

HUMAN CAPITAL MANAGEMENT

Recruitment, Appraisals, ESS & MSS(Employee & Managed Self services), Time Management, Claims & Benefits Management, Payroll Management, Taxation, Core HCM – Job & Grade Management, Transfers, Promotions, Confirmation, Extension of services, End of Service & Personnel Management, Headcount Budgeting.

READ - Suggested Process Methodology & Implementation Road Map



READ - Implementation Road Map - Step 1 – Rapid Prototyping

Visualize end results in the beginning... with role based access controls & security

Participants : Business Users & Designers



Framework Used: Visualization, RBAC & Security

Capability

This approach would help users to visualize the final look & feel and navigation with the prototypes. Also the users can have real time experience of Role Based Access Control and Security

[Visualize End User Experience & Early Acceptance](#)

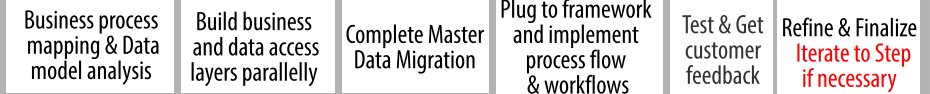
Benefits

- Eliminate risk and avoid disappointments
- Less intensive resistance & change management process

READ - Implementation Road Map - Step 2 – Accelerated Build

Be it Transaction, reports, masters, dashboard or even multiple modules, we have the framework to accelerate

Participants : Business Users, Development team, Architects



Framework Used: Application, Data Access, Process Flow & Workflows

Capability

This approach would help business users to have a skin in the game. Also several of the modules and application component build can start parallel, if there is clarity in design.

[Accelerate to meet business expectations](#)

Benefits

- Collaborative effort pays off to deliver quality solution & accommodate course corrections.

READ - Implementation Road Map - Step 3 – Integration, Beta Implementation & Acceptance

Integration of business processes which includes system interfaces and preparation for Go-live readiness.

Participants : Business Users, Development and Testing Team



Framework Used: Integration

Capability

This would help business users to seamlessly transition from a pre-go live to live environment

[Preparation for a smooth Go-live transition](#)

Benefits

- This approach will enable insights & preview into pre and post implementation issues upfront.

READ - Implementation Road Map - Step 4- Deployment

Integration of business processes which includes system interfaces and preparation for Go-live readiness.

Participants : Business Users, Development and Testing Team

Implement Cut
off Strategy

Complete final delta data
migration

Go LIVE

Post production
support

Framework Used: Integration, Application

Capability

This would help business users to understand and improvise for future IT needs

Experience the power of right solution

Benefits

- Feel and experience business productivity by system transformation

“We strive hard towards under the hood perfection and quality. Our constant endeavor is to ensure that the architectural sophistication and flexibility should lie beneath, but the user enjoys a visually compelling experience in terms of simplicity, usability and reusability. Being a 100% R&D outfit, we have the luxury and want to provide a value chain to our customers, simply tactical solution providers cannot match.

While we passionately commit ourselves to constantly innovate and transform, we only commit to what we can deliver and deliver what is committed. Being customer focused, we provide value adds and tangible benefits to our customers by simply just not re-inventing the wheel”.



We believe on 'Customer Experience' rather than 'Customer Satisfaction'

EXPERIENCE
YOU CAN TRUST

