



# change the way you think about software development and integration

FAST 8x is a high performance software development automation engine. Our clients use FAST 8x to build individual components which can be deployed as standalone applications or as part of a business process SOA architecture.

## SUMMARY OF BENEFITS

### Reduced Time and Cost with Increased Predictability

- Automation of code, data definition, user interface, testing tools, and documentation
- Resources are focused on making quicker business decisions rather than having to deal with technical details

### Enhanced User Experience

- Leverage Web 2.0 technology and concepts
- Shift of focus from construction to design/business improvements
- Variety of default user patterns and options can be easily configured or extended to provide businesses with exactly what they want without typical limitations

### Improved Quality

- Eliminate programmer error
- Shorter development and testing cycles
- Code consistency
- Built-in repeatable automated tests and quality metrics

### Software Governance

- Link all rules, data, processes, calculations, products and business requirements/stories together
- Code and documentation are always in sync

### Empower IT and Reduce Reliance on Vendors

- Reduce dependence on expert programmers
- Facilitates rapid transition and training of legacy programmers to Java or .NET
- Ensures consistency based on standards
- Simplified configuration tools

### Support IT Transition or Adoption of AGILE

- Puts software in hands of business immediately (rather than iterating on specification documents)
- Modeled after test driven processes with built in automated tests
- Integrated tracking of business processes, user stories, and test criteria

### Simplified Implementation & Maintenance

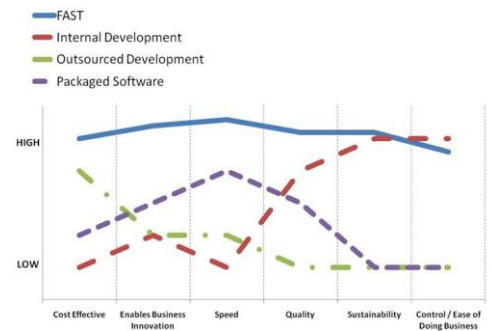
- Isolated and extensible layers for overriding or extending code
- Event- Driven so you don't have to sort through millions of lines to detect functional behavior
- Flexible configuration tools for managing data, products, rules, and calculations
- Software is built to anticipate future needs (i.e. beyond the specific needs of original features)

## FAST 8x LETS YOU...



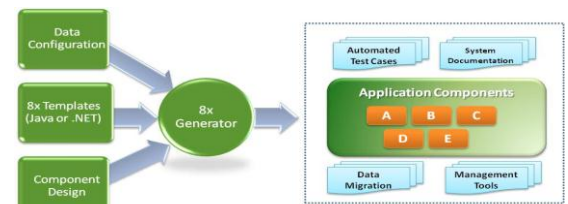
- Develop quality software more than 8 times faster
- Extend business capabilities without having to customize existing legacy systems
- Simultaneously reduce the number of people required, use cheaper labor to maintain your systems, and scale your IT organization
- Provide a state-of-the-art user experience and flexibility to your business
- Achieve the vision of SOA with next generation interoperable components
- Provide an evolutionary migration approach for your IT organization
- Stay current with technology and innovate without major "big bang" projects

Software Development Value Comparison



## HOW DOES FAST 8x WORK?

Using FAST 8x, your designers configure the desired data definition, testing parameters, GUI preferences, and processing rules. FAST 8x then uses either .NET or J2EE templates matching your coding standards for dozens of design patterns and automatically generates the software components and the underlying source code in a matter of minutes. Fully functioning, production ready software is generated and includes web user interface, web services, core code, database definition (DDL/XML schema), default data, test cases, documentation (WIKI, API documents, technical documents, data dictionary), and automated test scripts.



"8x allows us to develop standardized applications and be more productive...then we can spend more time focused on the business rather than pounding out code" – Michael Hydanus, Chief Administrative Officer, National Western Life



➤ For more company news and information, please visit our website at [www.fasttechnology.com](http://www.fasttechnology.com)

## YOU NEED FAST 8x IF YOU...

- Need to produce more for the business without increasing budgets
- Want to transition to AGILE methodology
- Want to move to a SOA business process driven architecture
- Need to re-train your COBOL, RPG, or C/C++ programmers in Java or C#
- Would like an alternative to and/or improve productivity of your off-shore developers
- Need to build a “common front end” or web portal on top of existing core legacy systems
- Spend too much time and effort customizing and maintaining legacy systems

## FEATURES OF 8x COMPONENTS

Components built using FAST 8x are production ready for enterprise applications. Some examples of features include:

### Technical Attributes

- SOA compliant Web Services for all functionality
- Data-centric/driven
- Truly componentized
- Event driven
- MVC pattern
- Configurable template source options

### Data Access

- Insert updates and deletes
- Retrieval for all records, by primary key, for foreign keys, and user defined lookups
- Copy, Export and Import
- Swap out data sources
- Concurrency Checking

### Built-in Functionality/Features

- Full audit and history capabilities
- Undo/redo of all data
- Point-in-time retrieval
- International
- Metrics
- Logging, diagnostics, error handling
- Search Capabilities
- Compound APIs
- Functional/data inheritance
- Real-time or batch transactions
- Aggregate functionality
- Hooks into BPM orchestration and rules engines

### Database

- Operational Tables
- Extended Tables
- Configuration Tables
- System Tables
- Audit Tables
- Relationship Tables
- Indexes and Constraints

### User Interface

- Advanced/rich GUI functionality
- Variety of user patterns
- User-centric “reduced click”
- No limits or constraints due to run-time interpretation of configuration

## COMPONENT CONFIGURATION & GOVERNANCE

Components built using 8x can be customized to extend functionality to meet specific business needs through configuration tools and/or external standard third party tools.

### Areas managed through configuration:

- Business Process
- Orchestrations<sup>1</sup>
- Events
- Business Rules<sup>2</sup>
- Calculations
- Display data
- Validations
- Integration / Data maps
- Test data & rules
- System Admin
- User Roles
- Navigation
- Metrics and Analytics
- Products



<sup>1</sup> FAST 8x comes with capabilities to manage and integrate with third party tools (e.g. Microsoft BizTalk, IBM Process Server)

<sup>2</sup> FAST 8x comes with component and services capable of performing function, but third party tools can be used as well