



## DELIVERING IT SOLUTIONS ONTIME AND WITHIN BUDGET

EffOne Software, Inc. is a global IT consulting company that provides ERP implementations, custom software development and application integration services. EffOne has deep expertise in providing solutions on a turnkey basis to companies ranging from early startups to Fortune 500 corporations.

For more than 15 years, EffOne has worked with senior executives around the world to address their most critical information technology needs. With services that go beyond traditional development, implementation and maintenance, EffOne helps businesses attain higher performance.

EffOne's competency with technology is augmented by its experience in various vertical industry segments including Energy, Finance, Health Care, Supply Chain, Technology, Telecom, Utilities and many others.

- ERP Implementation
- Software Development
- Software Quality Assurance
- Applications Integration
- Systems Monitoring

### ERP IMPLEMENTATION

EffOne has successfully implemented a number of ERP (Enterprise Resource Planning) solutions involving a majority of the SAP modules, including BW (Business Information Warehouse), CRM, R/3 (FI/CO, MM, SD, PM, PS, HR and their sub-modules) and IS (Industry Solutions). EffOne also has expertise using several SAP tools, including all NetWeaver modules.

### SOFTWARE DEVELOPMENT

EffOne has developed numerous complex *.NET* and *J2EE* applications that facilitate a high volume of transactions. These robust and feature rich applications include sophisticated security controls that enable appropriate access to the various users at a highly granular level.

### SOFTWARE QUALITY ASSURANCE

EffOne provides a broad range of quality services including black, white and gray box testing of new software products, version upgrades and interfaces. EffOne engineers have tested application software from the initial stages of development, through product deployment, all in an effort to assure that the product supports the intended goals.

### APPLICATIONS INTEGRATION

EffOne brings together discrete systems (both physically and functionally) through a variety of techniques such as business process streamlining, data exchange via various formats and programming interface components, to deliver automated end-to-end solutions. EffOne has expertise in seamlessly integrating a variety of applications on a wide range of platforms.

### SYSTEMS MONITORING

The EffOne team is available to provide systems monitoring and support services on a 24x7x365 basis. This highly skilled team comprised of System Administrators, Network Engineers, Database Administrators and Applications Engineers ensures the availability of applications, databases, servers and the network on a continuous basis.

EffOne consistently delivers robust, mission critical solutions on time and within budget. In the current environment of competitive cost control, customers appreciate the savings incurred by leveraging EffOne's cost efficient delivery models. EffOne's experience in providing solutions with a focus on quality has paid rich dividends in the form of many satisfied customers.

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## SIMPLIFYING COMPLEX AND DIFFICULT ERP IMPLEMENTATIONS

EffOne has successfully implemented a number of ERP solutions involving a majority of the SAP modules, including:

- BW (Business Information Warehouse)
- CRM
- R/3 (FI/CO, MM, SD, PM, PS, HR and their sub-modules)
- IS (Industry Solutions)

EffOne also has expertise using several SAP tools, including all NetWeaver modules.

Enterprise Resource Planning is as complex as it is essential to your company. The most difficult aspect of ERP software is its implementation. Yet implementing a complete ERP solution is not typically a routine "in-house" skill. And because no two ERP systems are ever designed exactly the same, configuring it all to run seamlessly across multiple corporate networks is indeed complex and difficult.

Before implementing ERP systems, many companies are finding it easier to seek the help of an experienced ERP implementation specialist. These days, even small projects are more cost effective when an ERP specialist is consulted.

As a boutique-style ERP consulting firm, EffOne specializes in serving the financial, telecom, manufacturing, distribution and supply chain management industries.

### EffOne provide three areas of professional ERP implementation services:

- **Consulting** - Increase your competitiveness through implementation of the right ERP system and strategy for your company.
- **Customization** - Reducing throughput time + reducing lead times + reducing inventory = reduced costs. Increasing capacity + increasing quality + increasing flexibility = increased profit.
- **Support** - Reducing downtime, providing service and software maintenance.

## WHY IS ERP IMPLEMENTATION SO COMPLICATED?

### CUSTOMIZED CONFIGURATION TABLES

Within an ERP system such as SAP R/3, there can be thousands of "back-end" database tables that are used to control how the "front-end" application behaves. EffOne has vast experience configuring these tables and customizing the behavior and appearance of the application as per our clients' business needs. It may be complex, but the highly skilled ERP engineers at EffOne can make take the trouble out of tables, making applications function more effectively and efficiently.

### MODULES, SUB-MODULES, ADD-ONS, EXTENSIONS AND BOLT-ONS

Most ERP applications can be better tailored to a company or business by integrating any number of "industry specific" modules, sub-modules or add-ons. However, ERP implementation becomes increasingly more complex with each software add-on module installed. Some companies might only require a few basic modules while others might want additional functionality and therefore numerous modules. In either case, EffOne strives to implement the right mix of modules that best fits our clients' needs and resources.

### MIGRATING OLD DATA TO NEW ERP SYSTEMS

Another ERP implementation hurdle involves the transfer of existing data from one ERP system to the other. EffOne's ERP Implementation engineers are experts at drawing out our clients' critical data from existing corporate information systems and mapping it into the new ERP solution and properly mapped data can be drawn out and loaded on a new ERP system.

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EFFONE SOFTWARE, INC.

## DELIVERING COMPLETE .NET SOLUTIONS FOR DEMANDING BUSINESSES

### What are the Business Advantages of Using EffOne's Development Services?

- EffOne leverages a large library of pre-coded functional modules and unified development tools to accelerate development which lowers over all project costs.
- EffOne integrates business information systems through the use of *Web Services*, and develops software components that allow separate systems to communicate through standard Internet protocols such as XML.
- EffOne enables your company to more closely share information across different platforms and operating systems
- EffOne applications can be configured to run on different hardware devices and integrated with external systems without large changes to source code.
- EffOne writes robust .NET applications that are extremely stable, with few defects or browser compatibility issues.
- EffOne's .NET solutions provide complete compatibility with Windows desktop systems, Microsoft Server and SQL Server databases.
- EffOne applications support and enhance .NET's already strong built-in security and privacy protection.
- EffOne is able to quickly build, deploy and administer connected, security-enhanced solutions with Web services.

Whether you are tasked with designing a new software application, extending the functionality of existing code or integrating various off-the-shelf products, no one said it would be easy.

Need help? EffOne isn't just ready to help. ***EffOne Means Help!***

Having successfully developed numerous applications for Microsoft's .NET platform, EffOne software is deployed on many mission-critical systems throughout the business world.

All told, EffOne has over 15 years of experience developing and delivering distributed, enterprise wide, scalable, transaction intensive and highly reliable applications. Over the years, the software development engineers at EffOne have compiled a trove of real-world skills and hands-on experience. With profound understanding of the C#/ .NET programming language, Windows desktop platforms and Microsoft Web Services, EffOne is your specialist in all things .NET.

Packing a complete arsenal of the latest development tools, EffOne can deliver a wide array of custom applications and services designed for deployment to the .NET platform. EffOne's project-based software development services are dedicated to producing feature rich, quality-laden software solutions for our clients. In addition, we help our clients make crucial technology decisions that will help them surpass even their highest business goals.

The EffOne software development team is comprised of crafty veterans accustomed to taking on any and all software development projects. The more demanding and challenging the development project, the better and more appealing it is to EffOne software developers.

EffOne's structured .NET methodology and proven practices guarantee that our applications are as successful as our clients that use them.

So the next time you are facing a daunting software development project, let EffOne design and implement an enterprise-wide, Web-based solution tailored to your company's exact specifications.

### TECHNICAL EXPERTISE THAT RUNS DEEP

EffOne's team of .NET software developers are competent at building many types of Web-based applications and services. Possessing in-depth expertise regarding software development technologies, EffOne software developers are true subject matter experts and stay ahead of the ever changing technology curve by adopting the latest .NET tools and incorporating proven programming techniques.

Experience and Technical Knowledge:

- Languages: C#, VB.NET, .NET 2.0, C/C++, ASP.NET
- .NET Framework: DNA, COM, COM+
- XML Web services: SOAP, WSDL, XML
- Data Access: Hibernate; Reporting: Crystal Reports; Messaging: MSMQ
- Solutions: product development, reusable components, Web based applications for B2C/B2B, applications using Web Services
- Browser Technologies: CSS, DHTML/Javascript, Dojo, ExtJS, JQuery, Prototype, Script.aculo.us, Microsoft Silverlight, Adobe AIR, Adobe FLEX
- Service Oriented Architectures (SOA) using AJAX, JSON, SOAP, REST
- Other areas of expertise: SQL Server, OLAP, Windows Mobile, Windows XP Embedded and Windows CE

EffOne consistently delivers robust, mission critical solutions on time and within budget. In the current environment of competitive cost control, customers appreciate the savings incurred by leveraging EffOne's cost efficient delivery models. EffOne's experience in providing solutions with a focus on quality has paid rich dividends in the form of many satisfied customers.

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## MONITORING CRITICAL SYSTEMS SO YOU WON'T EVER HAVE TO

### What Can EffOne Systems Monitoring Services Do For Your Business?

- Help you avoid lost revenue and dissatisfied customers by keeping your critical systems up 24 x 7 x 365.
- Put an end to continuous firefighting. EffOne monitors System Health, Usage Trends and Server Capacity across different OS (Windows, Solaris, AIX, HP/UX, Linux, Novell, VMware),
- Ensure the availability of IT services and applications (Email, Web, ERP, CRM, etc.).
- Monitor database and infrastructure Systems (Oracle, SQL Server, Sybase, MySQL, Exchange, WebSphere, WebLogic, etc.)
- Put an end to guesswork: Stop digging through pages of system logs. EffOne's deep dive, cross-platform diagnostics and log interpretation know-how will wade through the server sprawl to get to the root of the problem quickly and will unequivocally determine if it's an application, server, or network that went down (and why).
- Provide Capacity Max-Out Intervention: EffOne will identify a system or service that is about to be overwhelmed and take proactive measures to alleviate the load before the component shuts down.

It's a beautiful Saturday afternoon in late December. You momentarily catch your breath and relax as the ski lift ascends, returning you to the peak of a pristine mountain. However, back at your office, the applications server running your popular Web site and retail outlet portal has just hit rock bottom. Due to deficient resources, a temporary network overload has brought down several critical system applications. Your once mighty line of extreme weather clothing has been rendered an offline, unavailable HTTP 404 error. Do you panic and make the mad dash back to your office to restore your business's online integrity?

Not when you have a partner like EffOne in your fold.

Proper systems monitoring could have foreseen and resolved such a problem. But rather than employ a team of network technicians around the clock, today, many companies are finding it easier to outsource their network and systems monitoring needs to an experienced, multi-platform monitoring company. Even companies with small networks recognize a significant cost savings when consulting an outside monitoring specialist to look after their systems.

As a boutique-style IT solutions provider, EffOne has over 15 years of experience providing systems monitoring 24x7x365 for multi-platform networks running distributed, enterprise wide, scalable, transaction intensive and mission-critical applications anywhere in the world.

With EffOne's around the clock monitoring, you will not have to worry should your servers, applications, or IT services experience outages, performance degradation, or cross critical availability thresholds. From our central monitoring center, EffOne can quickly resolve most issues and restore the capabilities and services of your application systems, often before you even become aware of the issue.

Guaranteeing 99% uptime, EffOne Systems Monitoring Services provides peace of mind for those December days on the mountain, when you don't want to come down just to make sure your servers are still up.

EffOne isn't just ready to help. EffOne is Help!

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*But it's virtually impossible to monitor a virtual environment.*

Well, not exactly. Because of EffOne's physical to virtual server mapping, dynamic VM identification, tracking and analysis capabilities, very little in the "virtual" world is impossible for EffOne to monitor.

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## DELIVERING COMPLETE J2EE SOLUTIONS FOR DEMANDING BUSINESSES

### What are the Business Advantages of Using EffOne's Development Services?

- EffOne leverages a large library of pre-coded functional modules and unified development tools to accelerate development which lowers over all project costs.
- EffOne integrates business information systems through the use of *Web Services*, and develops software components that allow separate systems to communicate through standard Internet protocols such as XML.
- EffOne enables your company to more closely share information across different platforms and operating systems
- EffOne applications can be configured to run on different hardware devices and integrated with external systems without large changes to source code.
- EffOne writes robust JAVA applications that are extremely stable, with few defects or browser compatibility issues.
- EffOne's JAVA solutions provide complete compatibility with UNIX systems, Windows desktop systems, application servers and database servers.
- EffOne applications support and enhance JAVA's already strong built-in security and privacy protection.
- EffOne is able to quickly build, deploy and administer connected, security-enhanced solutions with Web services.

Creating a new software application is a challenging task that requires careful planning, dedicated follow through and precise execution. EffOne engineers and developers have over 15 years of experience developing distributed, enterprise wide, scalable, transaction intensive and highly reliable mission-critical J2EE applications.

EffOne develops robust J2EE solutions that are platform independent, feature rich, and include sophisticated security controls that enable appropriate user access at a highly granular level.

By leveraging the services available from the Java platform, EffOne provides expert J2EE application design and development services.

Within the world of J2EE, EffOne writes customized Java that integrates application specific business logic that is used in conjunction with many of the major application servers on the market.

### Our technical expertise includes:

- J2EE Technologies: JSP, JSF, Servlets, EJB, JMS, JDBC, Web Services, Portlets
- Application Servers: JBOSS, WebLogic, WebSphere, Tomcat, SunONE
- Database Servers: Oracle, SQL Server, DB2, MySQL, PostgreSQL
- Application Frameworks: Struts2, Spring, Seam, WebWork, GWT, DWR, MyFaces, Facelets
- Data Access Frameworks: Hibernate, iBATIS, EJB3.0
- Messaging: Active MQ, Open JMS, Jboss Messaging, Sun Message Queue
- Scaling & Distributed Technologies : JBoss Clustering, JGroups
- Aspect Oriented Programming (AOP): AspectJ
- Indexing & Search: Lucene
- Security: Acegi Security, LDAP
- RAD: Grails
- Scripting: Velocity, Freemarker
- Browser Technologies: CSS, DHTML/Javascript, Dojo, ExtJS, JQuery, Prototype, Script.aculo.us,
- Adobe AIR, Adobe FLEX
- Service Oriented Architectures (SOA) using AJAX, JSON, SOAP, REST

EffOne is focused on implementing only the most optimal J2EE technologies, architectures and frameworks in order to provide best-of-breed solutions and services to our customers.

EffOne has experts who will help you identify the right Java solution (framework, tools and applications) for your particular business and goals.

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## INTEGRATING MISSION-CRITICAL APPLICATIONS WORLDWIDE

### *What are the Business Advantages of using EffOne's Applications Integration Services?*

- Smoother, less-costly deployments
- Deployment delays avoided
- Lower total cost of ownership
- Optimal application of technology ensured
- Increases in productivity, responsiveness and quality of services
- Business risks reduced
- Save internal resources = save money

The ability to share timely data among sales, service/support and accounting departments, for example, is a large advantage in the business world. However, getting that data to the right people at the right times in a secure manner can be tricky. Proper integration of your enterprise applications is what it takes.

As a boutique IT solutions provider, EffOne specializes in Application Integration services for complex, distributed, multi-platform networks.

EffOne Applications Integration Services delivers complete end-to-end, multi-directional data sharing and synchronization solutions that connect disparate applications across multiple platforms any time, any where.

Our best-in-class services link together such applications in order to simplify and automate business processes to the greatest extent possible. EffOne engineers analyze the applications to be integrated to assess integration points, define data formats, layouts and mapping, and identify how files will be generated and how databases will be synchronized. EffOne can also further customize, test and monitor your applications to provide enhanced integration between enterprise applications.

However, Application Integration is not just about sharing data between applications. EffOne looks at the system of systems, and enables the sharing of both business data and business processes that may be distributed and embedded in networks at multiple levels.

### EFFONE APPLICATIONS INTEGRATION - ROAD MAP TO SUCCESS

- **Prepare:** EffOne uses communications and networking to achieve strategic business benefits for our clients. Technical guidance and operational advice is also provided to align the converged architecture to maximize the business and economic fit.
- **Advise/Consult:** EffOne's assessing and planning optimizes employee collaboration to ensure participant readiness and integration acceptance for the solutions.
- **Integrate:** EffOne has the skills to handle the complexity of deploying complex solutions into a new or existing heterogeneous platform. EffOne brings the resources, expertise, tools and processes for efficient and effective integration of new technologies.
- **Support:** EffOne delivers cost-effective network performance. Flexible maintenance options enable maximum value of investments.
- **Manage:** EffOne offers centralized, multi-vendor, multi-technology infrastructure management.

By seamlessly unifying disparate enterprise-wide applications across network resources, EffOne can help increase productivity, improve communications and enhance customer service.

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## ASSURING THE QUALITY OF SOFTWARE AROUND THE WORLD

### SQA DONE THE RIGHT WAY

EffOne provides complete SQA testing solutions for busy, resource-challenged companies and cash-strapped developers.

### SQA SERVICES INCLUDE:

- Code Coverage Testing
- Performance Testing
- Regression Testing
- Security Testing
- Stress Testing

What are the Business Advantages of utilizing EffOne's Software Quality Assurance Services?

- Save Development Time + Save Internal Resources = Save Money
- Alleviate Support Costs
- Build Brand Loyalty
- Improve Sales
- EffOne SQA Services immediately isolates the root-cause of server performance and availability problems, whether application, user, server, or network related.

### EFFONE SQA SERVICES

Cyber-Exterminators for a bug-free coded world

Software Quality Assurance is an important step in the software application release process. There are few things more disturbing than discovering significant bugs or gaping security holes in your application after it has hit the market. And there is certainly nothing worse (from a customer's viewpoint) than having to download and install updates, patches and fixes for a product they rely on. According to a study by the *National Institute of Standards and Technology*, fixing a software defect after a system is operational can cost two to five times more than if the defect was fixed during final testing.

Today, many companies are finding it easier to outsource their SQA needs to experienced software testing specialists. Even small projects are more cost effective when an SQA specialist is consulted.

As a boutique-style IT solutions provider, EffOne specializes in Software Quality Assurance testing for the financial, pharmaceutical, telecom, manufacturing, distribution and supply chain management industries.

### EffOne Software Quality Assurance Services

#### CODE COVERAGE TESTING

Code Coverage Testing is a measure used in software testing to describe the degree to which the source code of a program has been tested. It is a form of testing that looks at the code directly and as such comes under the heading of white box testing. Code coverage is amongst the first techniques EffOne uses for systematic software testing.

#### PERFORMANCE TESTING

Performance Testing is testing that is executed, from one perspective, to determine how fast some aspect of a system performs under a particular workload. EffOne applies performance testing methods that serve to validate and verify other quality attributes of the system, such as scalability, reliability and resource usage.

#### REGRESSION TESTING

Regression Testing is any type of software testing which seeks to uncover bugs that occur whenever previous software functionality no longer works in the same way due to unintended consequences resulting from program changes. EffOne SQA engineers are skilled regression bug catchers. EffOne uses methods of regression testing that include re-running previous tests and checking whether previously fixed software errors have re-emerged.

#### SECURITY TESTING

Security Testing is carried out to determine if an Information System properly protects data and maintains functionality as intended. The six basic security concepts that are covered by EffOne security testing are: confidentiality, integrity, authentication, authorization, availability and non-repudiation.

#### STRESS TESTING

Stress Testing (aka "load testing") often refers to tests that put a greater emphasis on robustness, availability, and error handling under a heavy

load, than on what would be considered correct behavior under normal circumstances. In Stress Testing, the goals of EffOne's SQA engineers are to ensure that the software doesn't crash in conditions of unusually high concurrency, from denial of service attacks or from insufficient computational resources (such as a lack of memory or disk space).

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