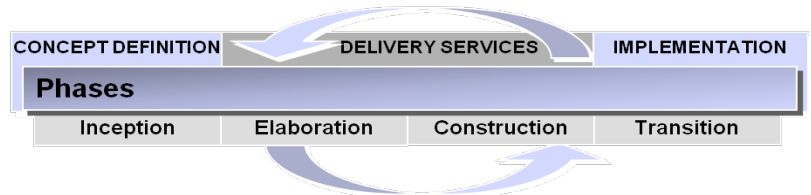


# SOFTWARE DEVELOPMENT LIFECYCLE METHODOLOGY AND TOOLING

Software is critical to the success of your business. Many organizations find it necessary to continuously improve their software's capabilities and flexibility, focusing on product development and delivery. Successful development requires unified collaboration between various development teams, often working remotely. Prolifics provides solutions that help development teams to work in an integrated and collaborative environment, allowing your organization to accelerate your software development and delivery processes as well as improve product quality.

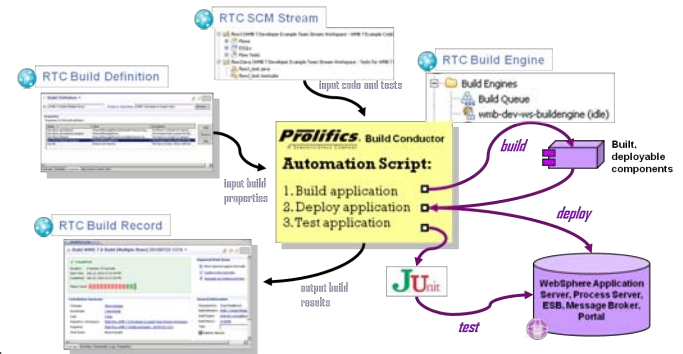
Prolifics' Development Methodology and SOA Methodology, AgileSOA, provides a highly flexible development approach while still ensuring consistency and predictability during the development process. Our development experts have the experience and tools needed to avoid unnecessary risk, time and cost, helping your company structure, plan and control the entire project lifecycle. Prolifics leverages IBM Rational Unified Process, in conjunction with industry best practices, for software and systems delivery and implementation and for effective project management. As all projects differ in some way, this adaptable framework can be customized to fit your unique requirements. The project lifecycle is organized into four phases and includes multiple iterations:



- ✓ Inception
- ✓ Elaboration
- ✓ Construction
- ✓ Transition

For software development, Prolifics has standardized on IBM Rational products that may be leveraged to achieve the following:

- **Gathering Requirements:** Define and annotate storyboards, process diagrams, use cases, and UI diagrams to develop specification documents in Rational Requirements Composer.
- **Designing and Developing Applications:** One of the cornerstones of Rational's tool suite is Rational Application Developer (RAD) for WebSphere, an Eclipse-based tool for designing, developing and deploying Java applications. Included as a part of this product are visual tools and wizards that help with Web, portal, Web services and Web 2.0 development. Rational Application Developer is also included in Rational Software Architect (RSA) for WebSphere. This UML tool facilitates model-driven development and integrates with other IBM products, such as WebSphere Business Modeler.
- **Collaborating with Team Members:** Create a collaborative software delivery environment for your development teams with Rational Team Concert (RTC). Team members can log into the centralized repository for work items, source code management and online chat with other members of the team.
- **Managing Development Projects:** In addition to its team collaboration features, Rational Team Concert provides tools for planning and managing distributed software development teams—defining team members, roles, release and iteration plans; assigning tasks to team members; insuring compliance with your organization's development processes; and tracking project progress with reports and dashboards.
- **Automating Software Builds:** Automate software builds for consistent software delivery with Rational Build Forge or Rational Team Concert. Prolifics Build Conductor adds to Rational Team Concert's collaboration capabilities by allowing users to automatically produce and test integration builds of WebSphere applications.
- **Testing Your Applications:** Assess your software quality with automation, manual, performance and security testing using Rational Performance Tester, Rational Functional Tester, Rational Quality Manager and Rational AppScan. Arsin, Prolifics' sister company and a Premier IBM Business Partner, leverages IBM Rational test tools to provide Enterprise Testing Solutions and help organizations enhance their IT productivity, application quality and reduce their overall cost of software development.



## Prolifics Build Conductor: Continuous Integration for WebSphere

Powered by Rational Team Concert, Prolifics Build Conductor automates the build, deploy and integration test cycle for WebSphere applications, supporting IBM WebSphere ESB, WebSphere Process Server, WebSphere Portal Server, and WebSphere Message Broker. The solution allows development teams to increase collaboration and adopt continuous integration so that changes can be made regularly, as opposed to waiting until late in the development cycle. When integration issues are identified immediately, they are easier and less expensive to fix.

1. **Build**—Build Conductor pulls the latest code changes delivered by the developers from the RTC source control repository. It then builds the source into executables using the WebSphere build mechanisms, reporting any build errors that come up.
2. **Deploy**—Build Conductor uses the WebSphere deployment mechanisms to deploy the application to an integration test server, identifying any errors in the process.
3. **Test**—Build Conductor tests the application against the deployed code in the integration test environment.

**“We were very impressed with Prolifics’ professional culture and expertise in systems architecture design and integration... They were very strong in terms of analysing the scope of the project and helping us get a holistic view.”**

**— Tarren Kelly, mBlox**

## Prolifics Methodology and Tooling Offerings:

### Center of Excellence

Prolifics can build a Center of Excellence that provides an easily accessible point of reference for roles, methodology, tools, best practices, standards and all other related documents by leveraging IBM Rational Method Composer.

### Prolifics Build Conductor

Adds out-of-the-box scripts to automate the build, deploy and integration test cycle for WebSphere applications. Build Conductor is leveraged with IBM Rational Team Concert to automate the build, deploy and test of WebSphere applications without the need for scripting.

### Rational Tools Assessment

Helps determine a tooling strategy for your organization that will reduce costs and improve the efficiency of your development teams. The assessment will address any current issues related to your overall development process as well as tooling utilized across the lifecycle, in addition to provide suggested next steps.

### Rational Team Concert Proof-of-Technology Workshop

Prolifics can work with you and demonstrate the power of IBM Rational Team Concert. Learn how your organization can leverage the collaboration technology to create a governance framework and ensure a unified process, boosting productivity and improving visibility.

## Related Service Offerings

A priority to any successful application launch is a focused effort around assessing its quality and determining how the solution meets expectations. We can deliver software quality assurance services and a test automation framework to improve testing cycle times, ensure successful rollouts, and increase confidence in business applications.

Our SOA services provide a more secure, reliable and scalable approach to effectively connect your infrastructure by seamlessly integrating people, processes and information in real-time across broad networks of relationships and interactions. Leveraged together, the SOA platform provides the IT solution design while BPM provides business optimization and a framework for the business solution.

Our Portal solutions are designed to create competitive differentiation and improve business agility for organizations in response to rapid changes in the environment. Prolifics designs and develops Portals for future growth—satisfying technical and business needs. We specialize in high-performing Portal solutions which include: employee portals, corporate extranets, executive dashboards, eGovernment portals and B2B/B2C portals.

Security and Identity Management is vital to safeguard your online presence from dangerous attacks and unauthorized access. Our service offerings include security management across users, applications, data and infrastructure. We can also ensure compliance regulations such as Sarbanes-Oxley (SOX), HIPAA, and others.

## About Us

Prolifics is the largest systems integrator specializing in IBM technologies. Having garnered awards for its solutions and technical excellence across IBM’s entire software portfolio, Prolifics provides expert services including architectural advisement, design, development and deployment of end-to-end SOA, Portal and Security solutions. SemanticSpace, Prolifics’ parent company, is a global IT services firm providing application development, testing, application maintenance and outsourcing services. Bringing over 30 years experience and a strong global presence across US, Europe and Asia, the SemanticSpace companies offer clients end-to-end services combined with the market’s most seasoned and skilled consultants and the dedicated care and attention that comes from a highly-specialized, boutique company. By combining application frameworks, prebuilt components, custom development expertise, a governance framework and a blended shore model, we help organizations decrease risk in complex software development and deployment investments, improve time to market and increase success of business strategy execution.



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 new york city orlando boston philadelphia washington dc san francisco london hamburg hyderabad

## Customer List

- ◆ 1-800-Flowers
- ◆ Abbey National Bank
- ◆ BMW
- ◆ British Telecom
- ◆ Cravath, Swaine & Moore LLP
- ◆ Daewoo Construction
- ◆ Dixons
- ◆ Emdeon (formerly WebMD)
- ◆ Gap Inc.
- ◆ IBM Legal
- ◆ JPMorgan Chase
- ◆ mBlox
- ◆ Marchon
- ◆ MetLife
- ◆ Nassau County
- ◆ New Jersey Manufacturers Insurance Co.
- ◆ NYC Dept of Health
- ◆ Novo Nordisk
- ◆ Office Depot
- ◆ Pilot Travel Centers
- ◆ State Street Bank
- ◆ Sumitomo
- ◆ UNICEF
- ◆ UPS

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