Rational. software

IBM

IBM Rational Enterprise Change Process

Highlights

- ***Helps manage change, process improvements, quality initiatives and software delivery***
- ***Includes an intuitive change request interface for creating, tracking and evolving virtually all types of changes***
- ***Provides greater visibility, from user requirements and design to software configuration management and test management***
- ***Enables users to open a Rational Change installation to external users via security and compliance capabilities that minimize security risks***
- ***Facilitates better decision making with powerful change management reporting capabilities, including traceability, trend analysis, metrics and graphs***
- ***Supports standards such as CMMI, Six Sigma and SPICE, helping to ensure product quality***

Build change competence with a comprehensive change management framework

Whether they come from customers, the marketplace or regulatory bodies, change requests for products demand a rapid, but informed, response. However, before responding to these requests, you need to make sure you're able to:

- *Control change throughout the development lifecycle and across the enterprise.*
- *Determine the scope and cost of changes before you implement them.*
- *Cope with managing the change process across large, distributed teams.*

The IBM Rational® Enterprise Change Process package can help you build change competence by providing a robust, comprehensive change management framework that is intuitive to use, easy to deploy and cost-effective to maintain. Whether you need an objective, high-level view into your development schedule or critical quality assurance metrics, Rational Enterprise Change Process can help you manage change, process improvements, quality initiatives, software enhancements and defects across your organization. The process fosters organizational learning and knowledge sharing by formalizing change competence as a discipline. It helps address pressing strategic change issues, particularly the issues faced by organizations that are growing from within or expanding via mergers and acquisitions.

Unite your organization on an integrated platform

In a diverse, geographically distributed organization, projects can vary greatly in terms of size, complexity, criticality, quality and time to market. Built on the IBM Rational Change solution, Rational Enterprise Change Process can help you integrate disparate sources of change data into a consistent, reliable, open environment.

IBM Rational Enterprise Change Process provides a holistic overview of the changes you need to make along with virtually all of the departments or functional areas that must collaborate to ensure that those changes are made. The framework can be customized to integrate with your organization's existing processes—so you can follow the same design and decision-making routines you already have in place to manage work. Plus, it uses industry-standard terminology that you use as is or that you can customize, configure and extend to match your organization's internal terminology. Finally, the process features an intuitive change request interface for creating, tracking and evolving changes of nearly all types. It even enables you to open up a Rational Change installation to external users via robust security and compliance capabilities that help minimize security risks.

Supports lifecycle change management

Rational Enterprise Change Process enables you to manage the user requirements that will be implemented in the final deliverable as well as manage the updates to artifacts in your requirements management repository. The solution supports requirements-driven development techniques, giving you the flexibility to implement processes for managing, tracking and reporting on proposed changes against critical requirements.

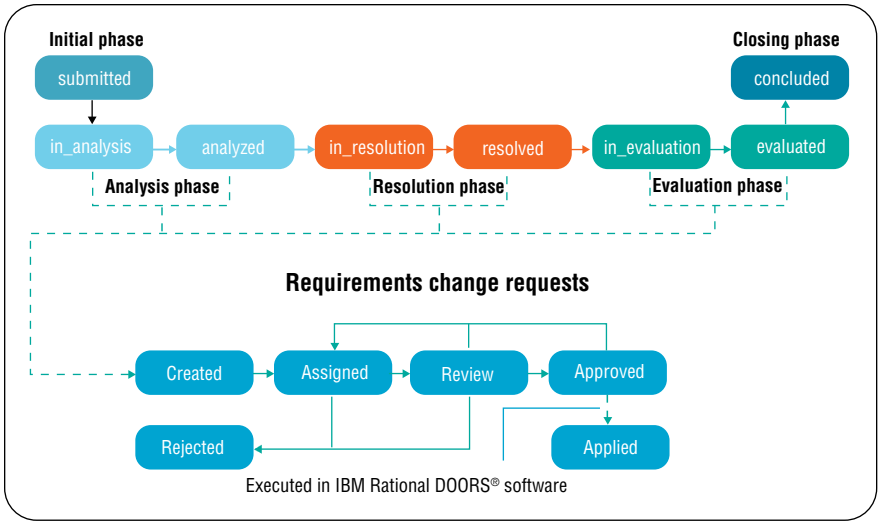

Figure 1: The Rational Enterprise Change Process lifecycle is extended with Rational DOORS.

Streamline application lifecycle management

By managing changes to development, system and IT assets, Rational Enterprise Change Process enables you to streamline and centralize your application lifecycle management processes. The application serves as a central hub that provides greater visibility—from user requirements and design to software configuration management and test management. Equipped with this insight, you can more easily implement a consistent, efficient and systematic approach to development, which can help you improve product quality and reduce time to market.

Help improve traceability

Easily integrating with existing development frameworks, IBM Rational Enterprise Change Process provides greater traceability throughout the software development lifecycle—from business change requests to systems and software implementation tasks. Plus, the process features security-rich, role-based access, which helps reduce the risk of implementing unwanted or unauthorized changes.

Enhance communication and collaboration

IBM Rational Enterprise Change Process enhances communication, collaboration and coordination by improving information sharing between different teams and contributors across the lifecycle. By breaking down existing information silos and tightly integrating virtually all aspects of the system and software development lifecycle, the solution can help you implement consistent processes across your organization, leading to improved product quality and reduced time to market.

Gain agility

Too often, companies are stalled by rigorous processes that aren't appropriate for all situations. For example, if you need to send out an emergency fix fast, a time-consuming, multiple-step delivery process won't enable you to respond as quickly as you need to. That's why Rational Enterprise Change Process enables you to create shortcuts—streamlined lifecycles that allow you to get around the usual delivery process. So you have the agility you need to respond quickly to emergency situations as well as changing customer or marketplace needs.

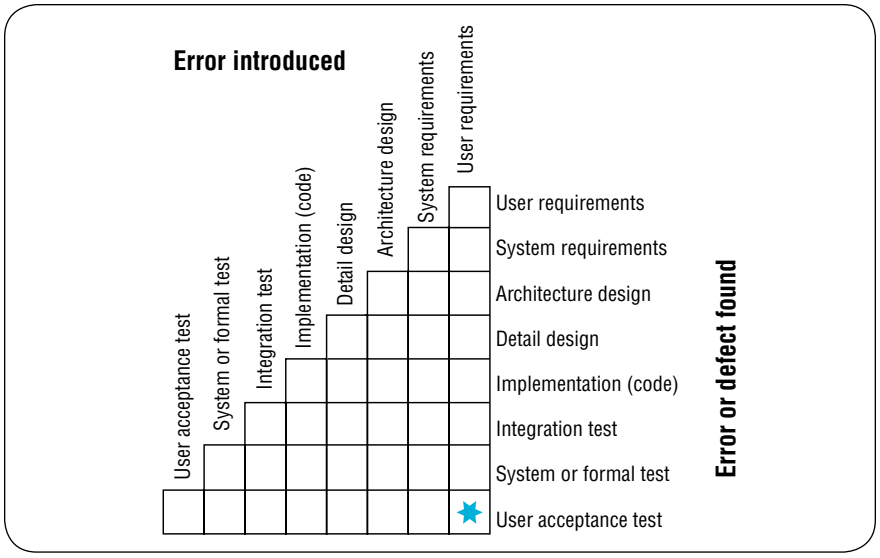

Figure 2: Rational Enterprise Change Process collects advanced metrics to support more informed decision making.

Track progress with reporting and metrics

To make sure that your organization is on the right track, it's important to align your process, performance and quality objectives with your business goals. Rational Enterprise Change Process enables you to respond quickly to change and to reduce development costs by helping to ensure application quality through best practices and support for standards such as Capability Maturity Model Integration (CMMI), Six Sigma and Software Process Improvement and Capability dEtermination (SPICE). By delivering the capabilities for project scheduling, effort estimation, causal analysis, process enforcement, maturity index and duplicate management, Rational Enterprise Change Process can give you access to the information you need to make more informed decisions that can lead to better results. These metrics support historical trend analysis, traceability and prioritization to assist in critical decision making.

For more information

To learn more about how IBM Rational Enterprise Change Process software can help you manage change in your organization, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/rational

© Copyright IBM Corporation 2009

IBM Corporation
Software Group
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
June 2009
All Rights Reserved

IBM, the IBM logo, ibm.com, and Rational are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at **ibm.com**/legal/copytrade/shtml

Other company, product, or service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates.

The information contained in this document is provided for informational purposes only and provided "as is" without warranty of any kind, express or implied. In addition, this information is based on IBM's current product plans and strategy, which are subject to change by IBM without notice. Without limiting the foregoing, all statements regarding IBM future direction or intent are subject to change or withdrawal without notice and represent goals and objectives only. Nothing contained in this documentation is intended to, nor shall have the effect of, creating any warranties or representations from IBM (or its suppliers or licensors), or altering the terms and conditions of the applicable license agreement governing the use of IBM software.

IBM customers are responsible for ensuring their own compliance with legal requirements. It is the customer's sole responsibility to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the customer's business and any actions the customer may need to take to comply with such laws.

RAD14094-USEN-01