

Telelogic Harmony

Connecting people, process and tools

Closely linking people, best practices, processes and tools enhances your development lifecycle. Improving technology and process together can be considerably more effective at increasing productivity than improving technology alone. Why? Because process improvement enhances effectiveness, while development tools increase efficiency. Together, they can significantly improve productivity and quality.

With the Telelogic® Harmony™ library of best practices, you build better systems and software because you leverage IBM's proven practices and the Eclipse Process Framework (EPF). You also promote best practices, processes and tools across your organization. The result is systems and software that better address your customers' needs.

BENEFITS

- **Improves collaboration by integrating processes and tools**
- **Reduces risk and coordinates development with the appropriate amount of development process for your project**
- **Helps you pass audits that require a documented software development life-cycle (SDLC) that is current and in use**

FEATURES

- **IBM tool extensions for two-way connection between tools and process Web sites**
- **EPF plug-ins compatible with EPF Composer**
- **Rapid deployment packages for project teams**
- **Process improvement consulting for process engineers**

Harmony/ITSW for software development

The Telelogic Harmony/ITSW™ process defines the roles, tasks, work products, guidance and integrated tool support for teams developing business-critical software applications.

Harmony/ITSW enables teams to improve the SDLC by providing the principles and practices IBM has gained from years of working on real projects with our clients. Because reuse is an important concept, Harmony/ITSW leverages best practices and processes like the Open Unified Process (OpenUP). By focusing on the evolution of requirements over the lifecycle, Telelogic Harmony/ITSW helps ensure that development constantly delivers value to your stakeholders.

Now users of IBM solutions such as Telelogic DOORS® software for requirements management, the Telelogic Change™ platform and Telelogic Synergy™ solutions for change and configuration management, and Telelogic Tau® tools for model-driven development can improve their development lifecycles through the tight coupling of process and tools.

IBM offers process framework workshops for process engineering teams. Workshops include training on Harmony/ITSW, EPF Composer and mentoring to help configure the right process for your needs. IBM also offers the rapid deployment package, a robust combination of tool training and mentoring, to get your projects up and running quickly. The rapid deployment package helps new users as well as existing users who are initiating a new project, pilot or live project simplify the deployment of IBM solutions.



Figure 1: Process, people and tools ... in Harmony

Harmony/ESW for embedded software development

The Telelogic Harmony/ESW™ process, an iterative, model-based development process built on Unified Modeling Language (UML), Version 2.1, is tailored for the development of embedded and realtime applications.

Telelogic Harmony/ESW helps resolve many of the process and management issues surrounding object-oriented and object-based systems development. Harmony/ESW accelerates the iterative development lifecycle of realtime and embedded systems.

Harmony/ESW can help you improve quality while reducing costs by iteratively creating and testing executable visual models, detecting defects early in the development lifecycle while maintaining synchronization with the code.

Users of Telelogic DOORS, Telelogic Change and Synergy, and Telelogic Rhapsody® products for modeling and design can help improve their development lifecycle through the combination of process and tools. Telelogic Harmony/ESW rapid deployment package offers kickoff workshops and consulting, essential product training, mentoring, and best practice assessments. IBM consultants, leveraging their years of industry expertise, work with you to understand and enhance your core product capabilities and help integrate IBM's solutions and processes within your environment.

Harmony/SE for systems engineering

The Telelogic Harmony/SE™ process is a model-based development process built on UML 2.1 and Systems Modeling Language (SysML). These standard-compliant languages

allow Harmony/SE to smoothly integrate systems engineering and software development. Harmony/SE incorporates overall project flow with efficient design iterations to help improve system specification, requirements analysis, system architectural design, interface definition and validation.

With experience of numerous installations and extensive systems development expertise, IBM has the know-how to facilitate a timely and successful integration of our applications within your systems engineering environment.

Our Telelogic Harmony/SE rapid deployment package, a comprehensive program that simplifies the deployment of IBM applications in your systems development lifecycle, consists of product training, onsite consulting and mentoring, and best practice assessment.

How it works

The Telelogic Harmony library of best practices-specific development processes are available as EPF plug-ins with related services to help your software and systems engineering teams adopt best practices and improve development productivity.

Harmony processes provide a comprehensive and automated SDLC that enables most projects to get up and running quickly. However, if you have specific needs or existing practices that are already working in your organization, you can easily tailor Harmony with EPF Composer, available at the Eclipse Web site at www.eclipse.org/epf.

Telelogic Harmony Service Packages, targeted for specific domains, help improve productivity and quality through tool automation, mentoring and assessment, and process improvement consulting.

For more information

To learn more, please visit:

www.telelogic.com



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