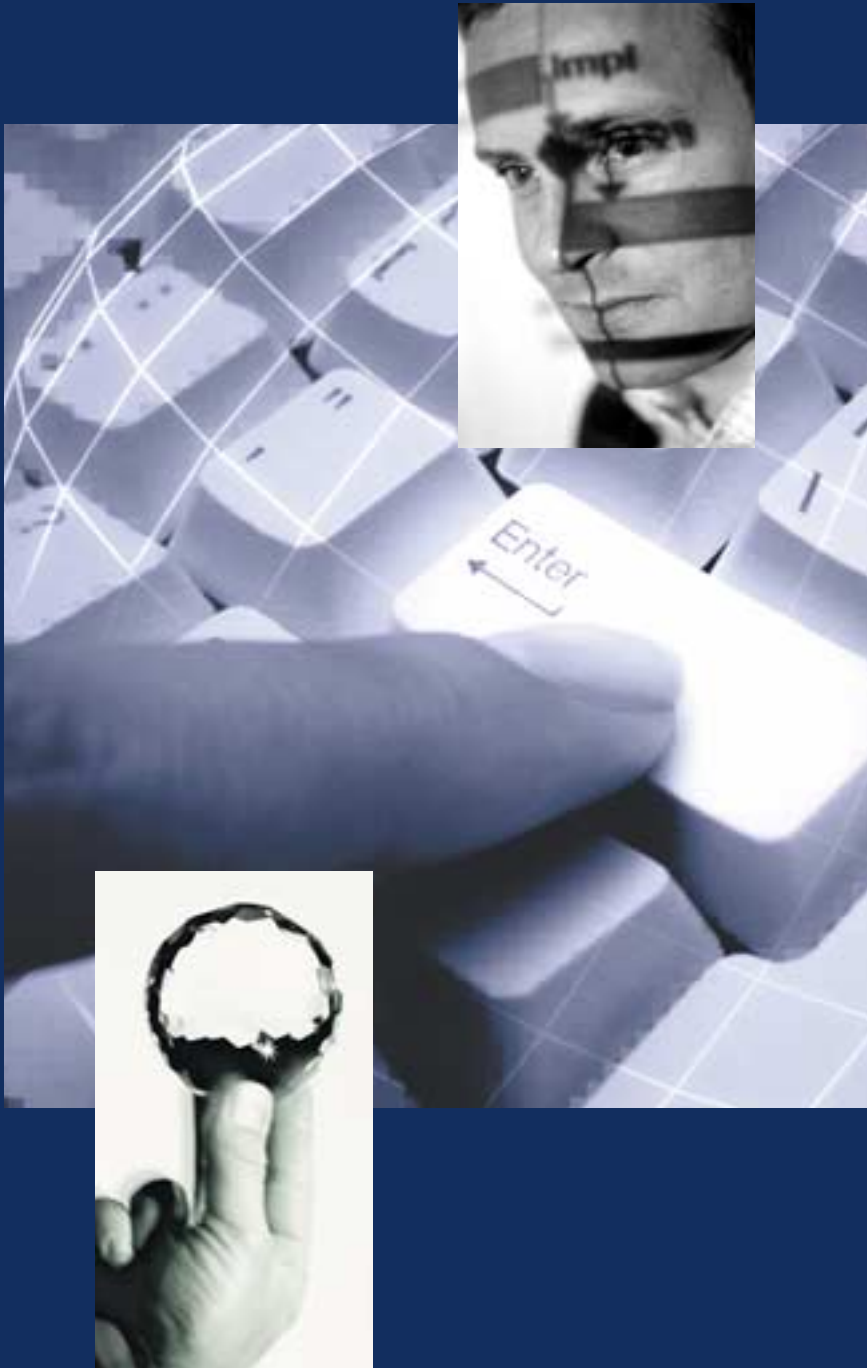


Telelogic
DocExpress



Take **control** of your project
reporting and documentation with
DocExpress

Telelogic



Automate your way to on-schedule, cost-effective documentation production

Telelogic DocExpress

Accurate and readable documents are invaluable for understanding requirements, managing projects, and reusing enterprise assets. Exporting and pasting disconnected fragments from your tools and manually maintaining updates is no longer an acceptable method. As with other engineering processes, automation is the key technology to producing cost-effective documentation on schedule.

Telelogic has a set of complementary and best-of-breed products that together form a comprehensive solution for advanced software and systems development. As part of this solution, DocExpress provides auto-

automated reporting and documentation services that are also integrated with other popular third party tools.

DocExpress focuses specifically on reducing the effort and cost of producing and maintaining documentation while maintaining "up to date" tool links to data sources, enabling you to "keep up" with the rest of your development environment.

With DocExpress, it is just as easy to produce a complex system requirements document as it is to print a single diagram. Utilizing pre-defined access mechanisms and flexible query engines, DocExpress organizes engineering data in numerous formats that can be tailored for your specific archival and reporting requirements. It can be extended to access information from virtually any data source, using that tool's Application Programming Interface (API).

The user has complete control over presentation style, fonts, and document structure by using all of the target publishing system's features and template capabilities.

Advanced project documentation management

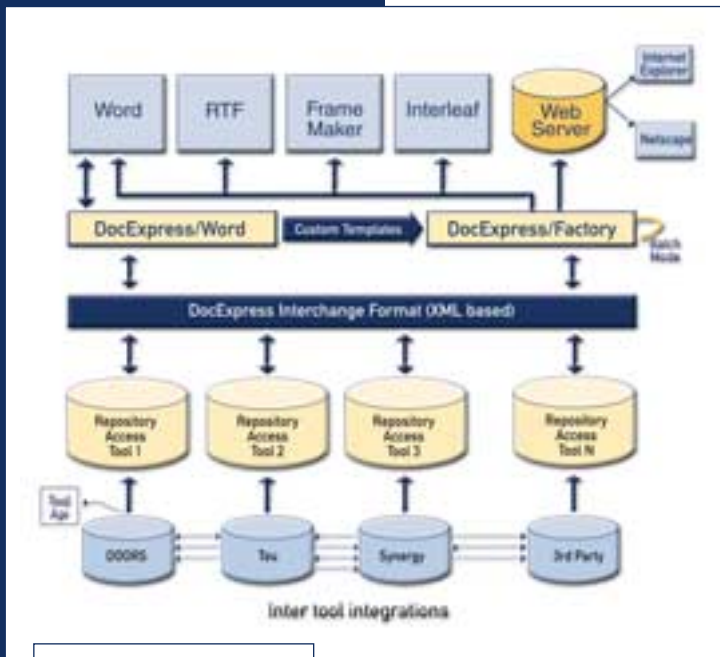
Traditionally, creating reports from multiple tool sources is a manual process of exporting data from each tool and then combining the results by hand. For example, a requirements specification document should contain requirements text (from Telelogic DOORS), class diagrams and use case diagrams (from Telelogic Tau UML Suite), and build configuration data from the CM system (Telelogic Synergy).

This process is not only labor intensive but also subject to manual error. DocExpress replaces this manual process and provides a seamless reporting interface to your complete development environment.

Different tools for different needs

DocExpress is available in two configurations. DocExpress/Word enables users to interactively collect, format and publish information in Microsoft Word from multiple Telelogic and popular third party development tools. DocExpress/Word "teaches" Microsoft Word about data structures and meta models for various engineering applications, which allows diverse data types to be easily included in a single document.

For more comprehensive document management needs, DocExpress/Factory provides offline, automated reporting capabilities for the selection, gathering, formatting, and publishing of project documentation in a variety of formats. From FrameMaker and Microsoft Word documents to automated Web sites, DocExpress/Factory makes scheduled reporting easy and efficient. In addition, DocExpress/Factory includes an extensive knowledge base that provides templates with online content guidance for compliance with formal development standards, such as ISO, IEEE, and DoD.



An open architecture enables you to mix and match add-on tool links to support the tools you want to use.

Empower your users to create and maintain technical documents

Telelogic DocExpress/Word

DocExpress/Word puts the power of creating and maintaining technical documentation into the hands of non-technical end-users and others who prefer to work in Microsoft Word. Featuring an easy-to-use interface, project scribes, tech writers and management can all access Telelogic and popular third party tool content for inclusion in Word documents. It's also a valuable tool for systems and software engineers as well as other team members working in areas such as project and product documentation, marketing, business analysis, quality assurance and systems integration.

Because documents are being edited using Microsoft Word, DocExpress/Word is extremely easy to use and has a very short learning curve. No database administration is necessary – it can be used by stand-alone users without the need for administrative support.

DocExpress/Word enables easy distribution of highly formatted data to remote, disconnected users – encouraging communication and understanding anywhere, anytime. DocExpress/Word's single click update feature ensures the most up to date information is published on demand.

Users can access and insert engineering data into existing documents, or start with a blank page and build a comprehensive view that cross correlates information from all of your development sources.

DocExpress/Word is completely configurable, allowing customers to mix and match add on tool links to the core product. Additional tool links may be added with simple license changes.

DocExpress/Word has an easy to use selection Wizard that guides you through choosing the items you wish to document.



DocExpress/Word enables you to:

- **Deliver quality documentation in record time**
Meet the needs of your customers, reduce documentation errors, and improve customer satisfaction.
- **Begin to use this simple tool immediately**
Start implementing a simple project documentation process using a powerful solution with a familiar document format - Microsoft Word! All content extraction rules can be re-used by others to promote a common look and feel of documentation across the project. It couldn't be any easier!
- **Documentation from the proper perspective**
DocExpress/Word elevates the user above any single engineering tool and into Microsoft Word. This enables the user to "look" into various data sources and collect information to be inserted into the current document. It is no longer necessary to move from tool to tool, exporting data into various fragments, and then manually assembling them into a document. This labor intensive, error prone technique is eliminated and replaced with an easy to understand, automated solution.
- **Successfully manage content change**
DocExpress/Word automatically creates relationships between project data and the document. You can update the document on demand with the latest version of data with a single click, as well as "visit" the creation source by clicking on the content in the document. This allows changes to be made in the original repository with the original tool, ensuring consistency between your data and documents, without introducing accidental errors into the source tool data.
- **Reduce publishing cycles**
Easy to understand, yet powerful extraction features promote reduced document development lifecycles. Updates are literally point and click.
- **Save time and money**
Let DocExpress/Word keep track of your requirements as they change, avoiding unnecessary and costly document revision cycles. Avoid needless effort - the process is reusable across projects and tools!
- **Visually create DocExpress/Factory rule based templates**
You can use DocExpress/Word to "experiment" with different extraction formats and content filters interactively. When you are satisfied with the results, you can save your work as a DocExpress/Factory template. All extraction rules are abstracted so they can be reused by other project teams, promoting a common look and feel for combined documentation.

A powerful application for all your document management needs

TelelogicDocExpress/Factory

Telelogic DocExpress/Factory automatically produces documents directly from information contained in Telelogic and other third party tools.

DocExpress/Factory uses a knowledge base of development methods, capture notations, data sources and document standards to find, extract, format and place project engineering information into appropriate document sections. Included predefined and user-definable templates ensure compliance with both formal and company-specific publication standards.

Totally automates your documentation production

With DocExpress/Factory, production of comprehensive, standards-compliant documentation occurs as an efficient by-product of the engineering process. Engineering information is automatically mapped to the appropriate document section, with the adjustments made automatically according to the notation used and the documentation requirements. The user can easily modify the default mappings by adjusting rules files, or using DocExpress/Word to visually build extraction rules.

Scaleable, repeatable process

DocExpress/Factory provides a repeatable document production environment that will scale from a single user to hundreds of users. In fact you can run the process as an unattended batch job once a month, once a week or once an hour! This allows project documentation, and publication efforts to become a true "by product" of the engineering capture activities, not the other way around! No more project schedule impacts due to work stoppage for document preparation, and no more out-of-date documents due to long update turnaround times!

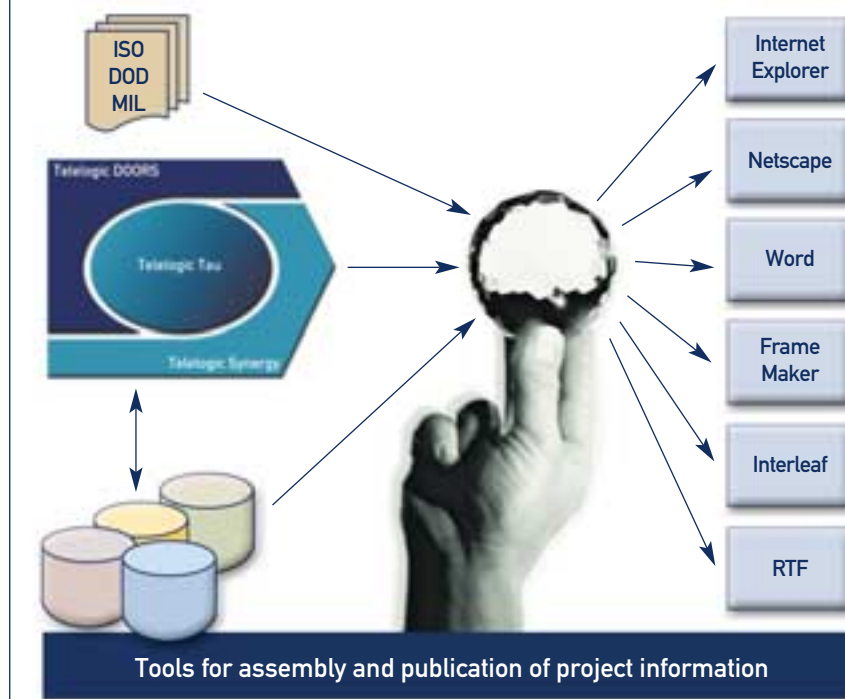
Templates for standard compliance

Pre-mapped templates make document generation easy and powerful, even the first time you run it. DocExpress/Factory includes more than 200 document templates in various publication formats, ensuring compliance with the structure, recommended content, and style of popular industry documentation standards. DocExpress/Factory can easily generate documents for many different formats from the same information. All supplied templates are stored in, and can be edited in native publishing tool formats. This allows you to use existing documents as templates, thus ensuring compliance with your company standards and accommodating your preferences. You can also quickly build your own template mappings with DocExpress/Word, or modify the included templates.

Highlights

- Generate and regenerate documents in minutes – turn around your customers' changes faster than ever.
- Unattended operation boosts productivity, reduces costs, and improves quality.
- Auto-build your Web site for up-to-the-minute accuracy.
- Template-driven for repeatable, quick start productivity.
- Ensure that your requirements, designs, source code, and documentation are always synchronized.

DocExpress/Factory creates software documentation automatically by extracting design information directly from Telelogic and popular third party tools.



Automatic Web site generation

DocExpress/Factory can automatically build and update your development data into a self-updating Web area. This Web area is then available for use without requiring access to the development environment. This is an excellent facility for users requiring access to information using standard Web browsers. Individual Web sites can be set up tailored to the specific consumer of the information, without giving access to the entire project repositories. This increases understanding, and reduces information "clutter."

System requirements

DocExpress/Factory runs on Windows 98, Windows 2000, and Windows NT. It requires Microsoft Word, FrameMaker or an HTML Editor.

Major components

- Over 200 document templates provided
- MIL-STD-498

- DOD-STD-2167A
- IEEE/EIA Std 12207
- J-STD-016
- ANSI/IEEE
- ISO 9000
- And many more

Publish documents in a variety of formats

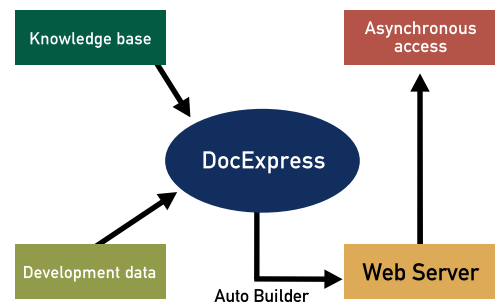
- Microsoft Word
- Interleaf
- FrameMaker
- HTML (automatically build a Web site!)

Extract design data directly from many tools

- Telelogic Tau UML Suite
- Telelogic Tau SDL Suite
- Telelogic Tau SCADE
- Telelogic DOORS/ERS
- And others (see the Tool Links Matrix)

Matrix of Tool Links and Publishing Formats for DocExpress

Supported Data sources	DocExpress/Word	DocExpress/Factory
Word Core	X	
Factory Core		X
Tau UML Suite	X	X
Tau SDL Suite	X	X
Tau SCADE	X	X
DOORS	X	X
ODBC	X	X
Rational Rose	X	X
Microsoft Visio	X	X
Any Microsoft Office file	X	X
FrameMaker files		X
HTML pages	X	X
Publishing Systems		
Microsoft Word 97	X	X
Microsoft Word 2000	X	X
Microsoft Word XP	X	X
Adobe FrameMaker 5.5		X
Native HTML 3.2 and up		X
Rich Text Format		X
Operating Systems		
Windows 98	X	X
Windows NT 4	X	X
Windows 2000 Professional	X	X



DocExpress/Factory automatically creates a Web area containing development data that provides asynchronous or remote access to design data without impacting your development team.

About Telelogic

Telelogic is the leading global supplier of solutions for advanced software development. By providing integrated best-of-breed products and professional services for the end-to-end software development lifecycle, Telelogic enables organizations to dramatically improve quality and predictability, while significantly reducing time-to-market and overall costs.

Telelogic DOORS, Telelogic Synergy and Telelogic Tau cover all key aspects of advanced software and systems development: requirements management, change management and visual software engineering. Telelogic's products are built on an open architecture that ensures interoperability with other leading third-party solutions.

To help ensure customer success with our products as rapidly as possible, our Professional Services team provides knowledge and expertise in training and implementation, project management, prototyping and application development.

A key part of Telelogic's strategy is the support of international standards. Where possible, Telelogic's products are built on standardized languages and notations. Telelogic also participates for example in 3GPP, the Bluetooth SIG and the OMG, to monitor and help create future communication technologies and visual software development languages.

Telelogic is a public and rapidly growing company headquartered in Sweden. Customers include Airbus, Alcatel, BMW, Boeing, British Telecom, Cisco, DaimlerChrysler, Deutsche Bank, Ericsson, Lockheed Martin, Lucent Technologies, Motorola, NEC, Nokia, Philips and Siemens.



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