

Simply generate  
good documents



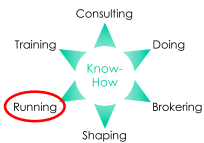
## KnowDocs for KnowEnterprise®

### Overview



KnowDocs is a document generator that allows easy generation of **compact and target-specific documents** of any kind from a PTC Integrity Modeler model. KnowDocs is a component of KnowEnterprise®, an extension of PTC Integrity Modeler that supports comprehensive modelling on the basis of Model Driven Enterprise Engineering™ (MDEE). Documents generated by KnowDocs...

- are rendered in a **concise and well readable form** that resembles manually created documents
- contain **exactly the information** that is relevant to the target audience
- render this information the **level of detail that is suitable** for the target audience
- **interlink** the contained Information in a **fine-granular manner** to supports "web-alike" navigation.



Due to the tight integration of KnowDocs into KnowEnterprise and the model-based architecture of KnowDocs the following benefits result to the user:

- The user does not perceive KnowDocs as an independent program but **works in the modelling environment familiar** to him.
- The structure of the generated documents may be defined independently of the structure of the model contents. This enables the creation of **multiple views on the very same model contents**.
- The **model-based definition of documents reduces the learning effort** to create new types of documents and supports the composition of complex documents from reusable building blocks.
- The **generated documents** (possibly in multiple versions) will be **stored within the model** containing corresponding the document definitions, so that they are – for example – consistently included in the backup of that model (document management).

Users of KnowDocs for KnowEnterprise® have produced various types of documents, for example:

- |                             |                     |
|-----------------------------|---------------------|
| • Enterprise strategies     | • Release notes     |
| • Guidelines                | • User's guides     |
| • Terminologies/Glossaries  | • Concept studies   |
| • Requirements catalogues   | • Issue lists       |
| • Functional specifications | • Change requests   |
| • Test specifications       | • Project schedules |
| • Architecture descriptions | • Price lists       |
| • Risk analyses             | • Quotations        |
| • Traceability documents    | • Contracts         |

## Functionality of KnowDocs for KnowEnterprise®

<b>For end users</b>	<p>By means of simple context menus within KnowEnterprise/PTC Integrity Modeler, KnowDocs provides the following functionalities to the occasional user:</p> <ul style="list-style-type: none"> <li>• Creation of new document templates from a provided library</li> <li>• Initial creation of a new document or of a new document version based on a given document definition</li> <li>• Opening, renaming and deleting of existing document or of an existing document version</li> <li>• Update of a single section of an existing document or of the entire document</li> <li>• Selection of the Word template (stored within the model) that shall be used to generate a document</li> </ul>									
<b>For document designers</b>	<p>A document designer designs a document by creating a model of that document. Thereby she or he may...</p> <ul style="list-style-type: none"> <li>• define general properties of the document such as title, subtitle, author, version, etc. as well as its section structure</li> <li>• by means of references to arbitrary parts of the model define the contents of a section as well as how it is to be rendered</li> <li>• describe in graphical form, how the desired content is to be extracted from the model and which filter conditions shall apply</li> <li>• specify how model elements, diagrams and packages shall be rendered (which properties, as free text, as list or table, sorting, etc.)</li> <li>• stipulate in a "layout template" how the title page of a generated document shall look like, which fonts shall be used, what header and footer shall contain and more</li> <li>• provide model-specific or company-wide document standards be means of model libraries.</li> </ul>									
<b>General Features</b>	<ul style="list-style-type: none"> <li>• supported generation formats: Microsoft Word, PDF, HTML</li> <li>• Batch mode for simultaneous generation of multiple documents</li> <li>• Support for generating documents in multiple languages</li> <li>• If required, dynamic generation of hierarchical section structure</li> <li>• Automatic model-based change-marking</li> <li>• Generation of highly dynamic information by means of "documentation tags" (document properties and model elements in running text, integration of external pictures and documents, etc.)</li> </ul>									
<b>Extensibility</b>	<p>KnowDocs is simple to use for occasional users, but may be adapted and extended in almost unlimited ways by "power users" to suit company-specific needs (derived information, company-specific properties of documents and model elements, dedicated DLLs for complex extensions of the rendering engine).</p>									
<b>Requirements</b>	<p>PTC Integrity Modeler® V8.2 or higher, KnowEnterprise V2.3 or higher as well as Microsoft Word 2010 or higher</p>									
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