Implementation of the Documentation Tools

by Gerrit Muller

Philips Research

IST - SWA - AmE

Abstract

The Gaudí project will produce a large number of articles and presentations about System Architecture. The first 3 months of the project were used for exploration of reader requirements, potential contents, distribution media and support tools.

This presentation shows the implementation of the tools to fulfil the quest of making the art of system architecting more accessible and understandable.

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Naming Conventions

All names are descriptive, without spaces, words are concatenated and start with a capital, for instance:

NamingConventions.tex

File extensions follow the standards.

Naming Conventions Root Files

Article or report <Subjectname>Paper.tex

HTML <Subjectname>HTML.tex

Presentation <Subjectname>Slides.tex

Naming Conventions Label prefix

fig: figures

tab: tables

sec: sections

req: requirements

Naming Conventions Bibliography prefix

www: internet publications

book: books

New Figure Commands

/LatexMyCommands/FigureCommand.tex

command	parameters
\FigureTextwidth	FileNameWithoutExtension, Caption
\FigureImposeWidth	FileNameWithoutExtension, Caption, Width
\SharedFigureTextwidth	Pathname, FileNameWithoutExtension, Caption
\SharedFigureImposeWidth	Pathname, FileNameWithoutExtension, Caption, Width

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FigureCommandList

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New Slide Commands

/LatexMyCommand/SlideCommand.tex

command	parameters
\mySlideFrontPage	Abstract
\NoteOnDistribution	fine print shown on frontpage f.i. Confidential or Gaudí note
\mySlideFitHeight	SlideHeader, FileName
\mySlideFitWidth	SlideHeader, FileName
\mySlideInput	SlideHeader, FileName
\mySlide	SlideHeader, Text

New Article Commands

/LatexMyCommands/ArticleCommand.tex

command	default	comment
\ArticleTitle		
\authorname		
\coauthor		
\address	address of building WL	
\email		
\homepage	URL Gaudi homepage	
\version		
\MyTitle		generates entire title

Footer Definition Commands

command	default	comment
\authorname		
\BedrijfsUnit	Research	
\department		for instance: IST-SWA-AME
\version	-1	
\presentation		title of the presentation
\slidecount		text adjacent to the current slide number,
\Logo	Philips Logo	filename of the logo to be used
\LeftFooterWidth	140mm	
\RightFooterWidth	25mm	

New Requirement Commands

begin{requirements}

req {label}{text}

end{requirements}

New History Commands

/LatexMyCommands/HistoryCommand.tex

command	parameters	comment
\History		Generates the header
\CurrentVersion	version, date, author	Defines the current version; to be printed in normalsize characters
\OldVersion	version, date, author	Defines an old version; to be printed in tiny characters

\begin{changelog} . . . \item . . . \end{changelog} A list environment with minimized vertical spacing, to minimize paper use

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New Gaudí specific Commands

/LatexMyCommands/GaudiCommand.tex

command	comment
\Gaudi	Prints Gaudí
\GaudiNoteOnDistribution	Text of Gaudí distribution note

Additional buttons in the TexShell

- BibTeX

- dvips

- GenPdf

- GenPdfL

- tex4ht

- GenHTML (not yet realized)

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