

# Use of wiki software for the knowledge management at the IEN

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This report presents the implementation of a wiki [1] based on MediaWiki [2] as a tool for knowledge management at the IEN – Instituto de Engenharia Nuclear [1]. This work is part of an effort to improve the long-term storage, preservation, access and indexing of information relevant to the organization, the sharing of information among institute researchers and remote access to knowledge. Besides Carpe DIEN [3], a digital repository based on DSpace for storing and indexing scientific works, another tool adopted at IEN to achieve these objectives was WikiIEN, a wiki that is available on the intranet of the institute. It allows the researchers to collaborate in building a common knowledge base. To implement the wiki, the software solution stack [4] used was the Apache web server [5] (with PHP module enabled) [6], MySQL database server [7] and MediaWiki wiki. Extensions have been added to MediaWiki to add some features, especially the WYSIWYG editor [8] that allow researchers to write wiki articles in a more user-friendly way. The WikiIEN is ready for use and there are some improvements that will be done in the near future. One of them is to replace the current WYSIWYG editor by an improved article editor [9] which is still under development. Another one is the implementation of content-indexing for a better organization of the articles in wiki. In the Figure 1 is showed the server solution stack, showing the interaction between Apache, MySQL and MediaWiki.

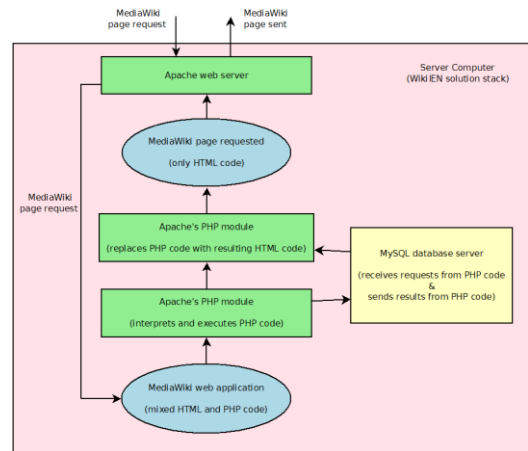


Figure 1. Server software solution stack

In the Figure 2 is showed the WikiIEN main page.



Figure 2. WikiIEN main page

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