How to use the TI Embedded Processors MediaWiki

May '09



Wiki(s) Introduction

- What?
 - Based on open-standard Mediawiki (same as e.g. wikipedia)
- Why?
 - Need a way to get non-proprietary, important developer info out quickly
 - Enables collaboration, community contributions (Field, Factory, customers)
- When?
 - Davinci Wiki launched 1h07.
 - tiexpressdsp.com wiki launched April '08. Marketing announcement sent to registered customers
 - Merged with Davinci wiki March '09
- How?
 - Getting started guide / FAQ available on the wiki itself [link]. Webex recording here



Look & Feel

Similar layout to ti.com <u>Embedded Processors webpage</u>

Welcome to the Texas Instruments Embedded Processors Wiki Searching and RSS Feed G Search for an article here: Google^m Custom Search Search ■ Embedded Processors Technology Developers ☑. You can also check the FAQ section for Frequently Asked Questions. 4 Embedded Processors Applications Digital Signal Microcontrollers This table is structured by device-family. Each of Processors Processors starting point for that particular family. This will ty C647x OMAP35x MSP430 articles associated with that family will automatic it may be a dedicated home-page for a set of devi C2000 C645x OMAPL1, C674x Note that in general we try to limit per-device cate DM644x, DM646x C641x TMS470 topics which apply to many devices e.g. Codec E Processors hence we do not want to re-edit topic DM643x, DM64x new device comes to market DM35x, DM36x Useful Starting points

- For Multimedia Codecs and Frameworks check out Codecs, Codec Engine, XDAIS Algorithm Standard ar
- For Target Content see DSP/BIOS, DSP/BIOS Link, Network Developers Kit and Platform Support Package
- For Foundational Tools consider looking at Emulation, Simulation, Code Generation Tools and Real-Time S



Categories

- Key categories are listed in the Main Page [link]
- When an author associates a new topic with a Category it automatically shows up under that Category
 - syntax example: -
 - [[Category : CCS]]
- Can associate a topic with multiple categories

- [[Category : NDK]]

- [[Category : CCS]]

Pages in category "Code Composer Studio v3"

The following 53 pages are in this category, out of 53 total.

Α

- AET & 560Trace Advanced Emulation Techniques
- Advanced Event Triggering
- Aetlib

В

- Before asking for BIOS support
- Before asking for CGT support
- Building codec library CCS projects with complex cache layouts

C

C cont.

- Creating Custom Memory Mapped CCStudio
- Creating a C-callable Assembly Function for

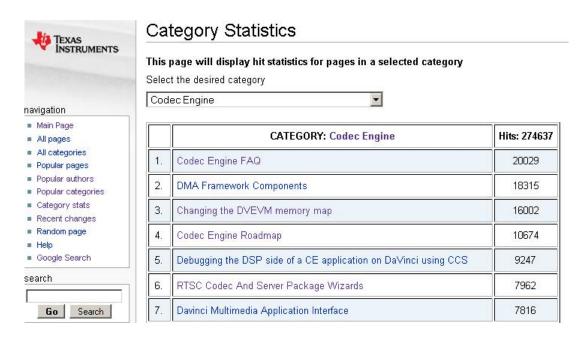
D

- Data Breakpoint/Watchpoint
- Dbgjtag
- Debug versus Optimization Tradeoff
- Debugging JTAG Connectivity Problems
- Debugging NDK in DaVinci
- Debugging Overlays With CCStudio



Statistics

Lots of useful statistics available from Left sidebar

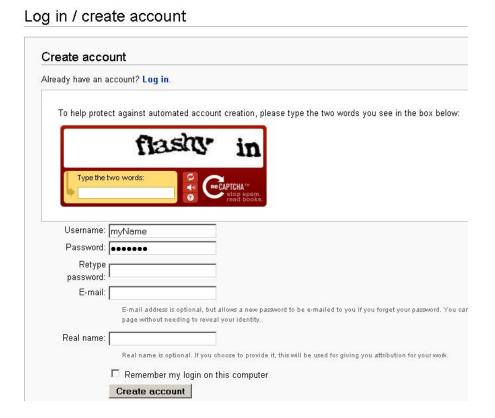


- Popular Pages ranked list of pages with most hits
- Popular Authors same as above with initial & most recent authors
- Popular Categories which categories are accessed most frequently
- Category Statistics within a category which topics are most popular



Creating a new account

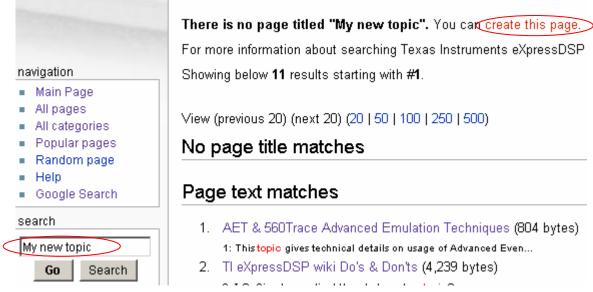
- First step is to to create a new account and login
 - Simple. Takes 1 minute. Click top-right 'Log in' [link]
 - Entering email address, real name is optional





Contributing – creating a new topic

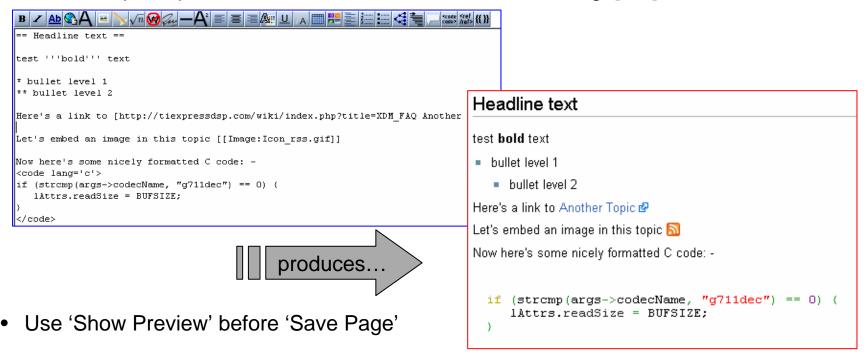
- Creating a new topic
 - NOTE : before you do this: -
 - Read the Wiki Do's and Don'ts [link]
 - Search to see if somebody already created a similar topic that you could add to
 - Ensure there's no customer names or proprietary material in it
 - Easiest way is to just enter your proposed topic name in the box above 'Go' then press ENTER.
 - If nobody has created that topic mediawiki will prompt you to create it





Editing

- Mediawiki editor has buttons for the basic operations (bold, headings, links, images...
- Extra plugins installed for
 - code syntax highlighting
 - Extended Editor (tables, bullets, categories etc)
- Lots of helper topics out there on how to edit in mediawiki e.g. [link]





Allowed filetypes & conversion utilities

- Most of the basic read-only filetypes are allowed e.g. 'png', 'gif', 'jpg', 'jpeg', 'pdf', 'gz'
 - .gz enables .tar.gz i.e. compressed tar files
- Filesize attachment limit = 5Mb
- For security reasons we do not allow MS Word or Powerpoint docs
- Converters
 - Lots of converters listed here [link]
 - Word -> mediawiki...
 - Word2MediaWikiPlus works well
 - Powerpoint -> mediawiki...
 - Adobe Professional
 - PdfSuite995
 - doPDF
 - PDF Creator...
 - Twiki -> mediawiki...
 - We have a Twiki -> Mediawiki plugin installed internally within TI [link]



Future plans

<u>Item</u>	<u>Status</u>
Improve Search – make Google Custom Search front & centre!	Complete : Sep '08
Improve MediaWiki Ease of Use.	Complete: Mar '09 Installed GCS, extra edit toolbar. Installed WYSIWYG FCKEditor, Recent History, Leave A Comment
Category cleanup. Too many device categories == N pages to re-edit when new device comes out.	Complete : Oct '08
1 wiki. Merge tiexpressdsp.com & wiki.davincidsp.com wikis	Complete : Mar '09
Broaden the scope to TI Embedded Processors wiki	Ongoing: MSP430, C2000 adding content, other groups doing likewise.
Training Material	Ongoing : TTO Pushing 1 day workshops to wiki under new <u>Training category</u>
Upgrade to dedicated fast server	Complete : May '09



Summary

• Excellent source for *developer* content

- Get involved! Post Content!
 - Applications, Engineering, FAEs, 3rd parties, customers...

