
AsciiDoc environment Setup

These scripts and files configure a users environment to allow the easy editing and viewing of asciidoc files.

A function called **vad** is created. This function takes the name of a file (with or without an adoc extension) and opens or creates it (using vi) within the ~/Documents/asciidoc/adoc directory. It also opens the evince pdf viewer when started and closes it when the vi editor is closed.

Packages and Applications

The following packages are needed.

- evince
 - or another pdf viewer that automatically updates the view of a pdf file when the file on disk changes.
 - this is available from the Fedora 20 (F20) repositories.
- wkhtmltopdf
 - A patched version of QT must be installed if using a binary that uses shared libraries.

or

 - A statically compiled version of wkhtmltopdf that was compiled against the patched version of QT must be used.
 - <http://code.google.com/p/wkhtmltopdf/downloads/list?q=label:Deprecated>
 - [wkhtmltopdf-0.11.0_rc1-static-amd64.tar.bz2](#)
- asciidoc
 - this is available from the F20 repositories.
- docbook
 - this is available from the F20 repositories.

Vim Configuration

Place the asciidoc.vim file into the ~/.vim/ftdetect directory.

This file contains an autocommand to configure syntax highlighting for asciidoc files ending with the **.adoc** extension.

This file also contains an autocommand to automatically execute the adoc_function_process.sh file when the files is saved. This only works with vim. If you are using a different editor, the incron setup may work better for you.

Download Dag Wieers asciidoc syntax file from his GitHub repository.

<https://github.com/dagwieers/asciidoc-vim/blob/master/syntax/asciidoc.vim>

Rename Dags asciidoc.vim file to ~/.vim/syntax/Dagsasciidoc.vim

Syntax highlighting should now be enabled.

Vim Keymappings

Rename or include the contents of the the vimrc file to ~/.vimrc

The included vimrc file defines the following:

| | |
|--|--|
| ~/Documents/vimspell.add | Defines a custom spellcheck file. Enable this by "set spell" |
| Backspace | Clears any leftover highlighting from any searches. |
| Ctrl-Up | Moves the current line up in the file. |
| Ctrl-Down | Moves the current line down in the file. |
| Ctrl-b | bold the current word or selection(visual mode) |
| Ctrl-i | italicize the current word or selection(visual mode) |
| Ctrl-i | mono the current word or selection(visual mode) |
| Alt-2 or Esc-2 | *RA-File style (bold) |
| Alt-3 or Esc-3 | *RA-Generic style (underline) |
| Alt-4 or Esc-4 | *RA-Important Term style (underline, mono) |
| Alt-5 or Esc-5 | *RA-Software Name style (underline, mono) |
| Alt-6 or Esc-6 | *RA-UI Element style (bold) |
| Alt-7 or Esc-7 | *RA-Variable Data style (underline, bold, mono) |

Bash Configuration

Functions and Aliases

Append the contents of the bashrc file to ~/.bashrc

[~/bashrc](#)

```
<...snip...>
```

```
# User specific aliases and functions
```

```
#used for asciidoc-environment
```

```
function vad() {
```

```
    while getopts ":k" opt
```

```
do
```

```

case "${opt}" in
    k)
        KEEP=1
        ;;
    esac
done

shift $((OPTIND-1))

name="${1%%.adoc}"

[[ ! -e "${name}.pdf" ]] && {
    touch ${name}.adoc
}

adoc_function_process.sh ${name}.adoc

evince ${name}.pdf > /dev/null 2>&1 &
epid=$!

vim ${name}.adoc

kill ${epid}

[[ ! "${KEEP}" ]] && rm -f ${name}.pdf ${name}.html

}

<...snip...>

```

Autocomplete for vad function

To enable auto completion for the vad function that displays the adoc files already existing, place the vad_autocomplete file into the /etc/bash_autocompletion.d directory.

Automatically generating html and pdf files

Place the adoc_function_process.sh script into the ~/bin directory.

FAQ

1. *Why do I see "E474: Invalid argument: listchars=tab:»-,trail:." error when editing .adoc files?*

This is likely due to the LANG variable not being set to use utf-8. Please check your LANG variable value.

2. *How do I check what value LANG is currently set?*

```
$ echo ${LANG}
```

3. *How do I set a utf-8 value?*

per-shell:

```
$ export LANG=en_US.UTF-8
```

4. *How do I set a persistent utf-8 value?*

add the following in ~/.bash_profile:

```
export LANG=en_US.UTF-8
```

5. *What if I don't want to use utf-8?*

You can change the characters used in *listchars* to ones available in your LANG character-set. For example, instead of »· use >- for tabs.

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