Asciidoc environment Setup

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

It assumes the asciidoc files are stored in sub-directories within the ~/Documents/asciidoc directory.

```
$  mkdir -p ~/Documents/asciidoc/{adoc,html,pdf}/
```

~/Documents/asciidoc/adoc   Asciidoc source files

~/Documents/asciidoc/html   html files generated by the ascidoc command

~/Documents/asciidoc/pdf   pdf files generated by the wkhtmltopdf command. This uses the generated html files as input.

An alias is created called **lvad**. This alias lists the contents of the ~/Documents/asciidoc/adoc directory.

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.
- incron
    - this is available from the 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

Syntax Highlighting

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

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
 alias lvad='ls ~/Documents/asciidoc/adoc'

 function vad() {

   dir=~/Documents/asciidoc

   name="${1%%.adoc}"
   an="${dir}/adoc/${name}.adoc"
   hn="${dir}/html/${name}.html"
   pn="${dir}/pdf/${name}.pdf"

   if [ ! -e "${an}" ]
   then
     touch ${an}
     sleep .5
   fi

   evince ${pn} > /dev/null 2>&1 &
   epid=$!

   vi ${an}

   kill ${epid}
   }

   <...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_process.sh script into the ~/bin directory.

Copy the incron file to the /var/spool/incron directory. Make sure to rename the file to the users login name and set the owner/group to root/USERNAME and the permissions to 0600.

```
 -rw-------. 1 root myuser 99 Sep 24 17:18 /var/spool/incron/myuser
```

Also ensure you expand the tildes (~) in the file to the full path.

example

```
/home/myuser/Documents/ascii <...snip...> /home/myuser/bin/ <...snip...>
```

The incrond daemon must be restarted to reload the configuration.

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.