DCP VALIDATOR

A Web Application for validating the consistency of Digital Cinema Packages

Installation Manual

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Standard (automated) installation on certain Linux systems

For the following Linux distributions, "deb" packages for easy installation are provided:

- Ubuntu 14.04

- Debian 7

Prerequisites:

- 64 bit (x86_64-linux) installation of one of the Linux distributions mentioned above (32 bit and processors other than x86 are not supported!)

- root (super user) user rights

Installation:

- Select the package for your distribution. It should contain the distribution's name (e.g. "Ubuntu") in its file name.

- Open the package with a GUI based Software Manager in the file browser, e.g. *GDebi Package Installer* (Debian 7) or *Ubuntu Software Center* (Ubuntu 14.04)

- Select "Install", provide root-password or sudo-password if prompted

- After the installation has finished, DCP Validator will be available at http://localhost:8080. Please note the port number will be "8080"in order to avoid conflicts with already installed web servers! See below in case of conflicts.

- Hint: Eventually the machine needs to be rebooted in order to start DCP Validator.

Details on the installation process (not required for installation)

- DCP Validator is being installed as a system service, and will be started automatically after reboot. If necessary, you could issue "`service dcp-validator start|stop|restart|status`" for the respective action.

- The script code resides in `/opt/dcp-validator` in the file system. By default the built-in ruby web server (WebRick) is being used.

- If port 8080 is already in use on your system, you can change the port for dcp-validator by editing this file (with root privileges) and rebooting the machine afterwards:
  `/etc/dcp-validator/conf.d/other`

Specific configuration tasks

Admin password

Please make a recovery copy of `config/initializers/settings.rb` **before altering values!**

The admin password is stored in the file `config/initializers/settings.rb`. System administrators may change it using a text editor. (Reminder: With automated installation, the base directory will be `/opt/dcp-validator`). The default password is `dcp`.

```
#Password for admin area

$adminpassword = "dcp"
```

The audio levels for setting a yellow or red flag are also defined in `config/initializers/settings.rb`.

Please make a recovery copy of `config/initializers/settings.rb` **before altering values!**

Default:

```
#Set the max deviation RMS peak from -20 dbFS:

#yellow colored:

$yellowlev = 6

#red colored:

$redlev = 12
```

This means, that by default a deviation of the MEAN audio level in dbFS of more than +/-6 dB (i.e. mean is > -14 dbFS or < -26 dbFS) leads to a yellow flag and a deviation of more than +/- 12 dB (i.e. mean level is > -8 dBFS or < -32 dBFS) leads to a red flag. **Usually, these values should not be altered.**
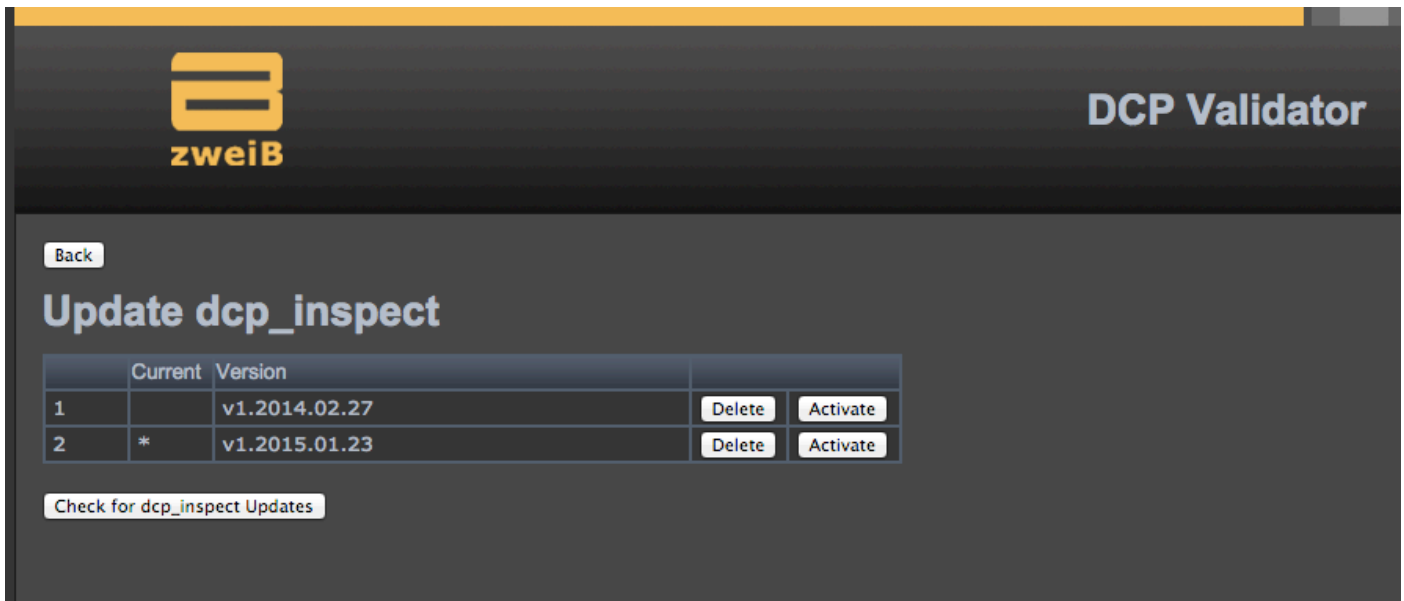
Adding additional GUI languages

For adding GUI languages in addition to German or English, a file containing all strings for the new language in

`config/locales`

is required.

Take the existing `de.yml` or `en.yml` as template and translate all strings in there to the new language to be supported. The file has to be integrated into a new revision of DCP Validator by the maintainer (see "Contact").

Updating dcp_inspect

dcp_inspect can easily be updated via the Graphical User Interface (Under "settings", see User's Manual):

Contact

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