ctan-o-mat*

Validate and upload a package for CTAN

Gerd Neugebauer (gene@gerd-neugebauer.de)

Synopsis

```
ctan-o-mat [options] [<package configuration>]
```

Description

This program can be used to automate the upload of a package to the Comprehensive TeX Archive Network (https://www.ctan.org). The description of the package is taken from a configuration file. Thus it can be updated easily without the need to fill a Web form with the same old information again and again.

The provided information is validated in any case. If the validation succeeds and not only the validation is requested then the provided archive file is placed in the incoming area of the CTAN for further processing by the CTAN team.

In any case any finding during the validation is reported at the end of the processing. Note that the validation is the default and a official submission has to be requested by the an appropriate command line option.

ctan-o-mat requires an Internet connection to the CTAN server. Even the validation retrieves the known attributes and the basic constraints from the server.

Configuration

The default configuration is read from a file with the same name as the current directory an the extension `.pkg`. This file name can be overwritten on the command line.

The configuration depends on the features currently supported by the CTAN server. Since these features can change over time the configuration is not hard-coded in **ctan-o-mat**. You can request an empty template of the configuration via the command line parameter `--init`.

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*This document describes **ctan-o-mat** version 1.2

Options

`-h`

`--help`
>   Print this short summary about the usage and exit the program.

`--init`
>   Create an empty template for a configuration.

`--list licenses`
>   List the known licenses of CTAN to the standard output stream. Each license is represented as one line. The line contains the fields key, name, free indicator. Those fields are separated by tab characters. Afterwards the program terminates without processing any further arguments.

`--submit`
>   Upload the submission, validate it and officially submit it to CTAN it the validation succeeds.

`-v`

`--verbose`
>   Print some more information during the processing (verbose mode).

`--validate`
>   Do not perform the final upload. The package is validated and the resulting messages are printed. This is the default.

`--verbose`
>   Print some additional debugging information.

`--version`
>   Print the version number of this program and exit.

`<package>`
>   This parameter is the name of a package configuration (see section) contained in a file. If not set otherwise the package configuration defaults to the name of the current directory with `.pkg` appended.

Environment

The following environment variables are recognized by B<ctan-o-mat>.

CTAN_O_MAT_URL
>   The value is the URL prefix for the CTAN server to be contacted. The default is https://ctan.org/submit. The complete URL is constructed by appending `validate`, `upload`, or `fields` to use the respective CTAN REST API.

Connecting via proxies

If you need to connect to the Internet via a proxy then this can be achieved by setting some environment variables before running **ctan-o-mat**. To redirect the request via the proxy simply define an environment variable `http_proxy` to point to the proxy host – including protocol and port as required. Note that the name of the environment variable is supposed to be in **lower** case.

Installation

Prerequisite: perl

ctan-o-mat is written in Perl. Thus a Perl interpreter has to be installed, at least in version 5. It is assumed that the Perl interpreter is reachable under the name `perl` on the program path.

Prerequisite: lwp

ctan-o-mat uses the LWP bundle to connect to the remote server and such. Thus it has to be installed. With the help of Perl you can install it with the following command line:

```
perl -MCPAN -e 'install Bundle::LWP'
```

You might want to check whether LWP can be installed with your package manager. In this case this is the preferred way.

Installation steps

The installation is straight forward. Just put the file `ctan-o-mat.pl` and one of `ctan-o-mat` or `ctan-o-mat.bat` on your path.

Make sure that these files are executable (if required). Now you are done.

Creating the documentation

The PDF documentation is generated from the file `README.md`. This can be done with the following command:

```
make ctan-o-mat.pdf
```

It requires Perl and a TeX distribution to be installed and on the path.

Repository

ctan-o-mat lives in a public repository at GitHub. It can be found under the URL https://github.com/ge-ne/ctan-o-mat.

    ctan-o-mat can be found on CTAN under the URL https://www.ctan.org/pkg/ctan-o-mat.