UL HPC Newsletter

Editors:	Dr. S. Varrette and Prof. P. Bouvry
Authors:	**The UL HPC Management Team** *aka*:
	↪ S. Varrette (Manager)
	↪ H. Cartiaux, V. Plugaru (FSTC)
	↪ S. Diehl, J-F. Le Fillâtre (LCSB)
Date:	2015-03-03
Version:	v0.2

In this issue…

Welcome to issue 1 of the UL HPC Newsletter.

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Dr. S. Varrette and Prof. P. Bouvry

📢 What's new?

New features: services/improvements we've introduced, new software available, etc.

Notice the use of LaTeX code within Markdown text. You have thus access to the nice syntax of Markdown to simplify your writing:

- that's an item
- another item
  - a sub-item with a `verbatim` text
- item

Figure 1: image caption

```
some code extract
```

📊 Latest Statistics

Platform overview (pretty graphs): for the passing $period (maybe also with last year history): #jobs , data transferred, new users/projects, etc., also reminder of existing services (gitlab, gforge, owncloud, etc.)

➲ http://hpc.uni.lu

Outcomes

Outcomes: projects/groups using the clusters, new articles published referencing the platform, etc.

User Focus

User stories: 1-2 paragraphs from (1-2) 'big' users, describing what they're doing

Upcoming Events

Upcoming events: new tutorials, software we'll introduce in the next $period, upcoming HPC schools etc.

http://hpc.uni.lu

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Another highlight

For this page...

⚙ How to use the `ulhpc_newsletter1` style?

⚠ : You need to compile the articles with the `lualatex` compiler for LaTeX!

This is required by the `fontawesome` and some TikZ fonts.
So to summarize, in order to use this style, you'll need to:

- clone the Github ULHPC/documents repository or make it a Git submodule of your own repository;
- copy (or make a symlink to) the LaTeX style `ulhpc_newsletter1.sty` at the root of your document;
- **ensure** you have the following *additional* components ready:
  - PGF/TikZ
  - The `lualatex` compiler
  - the pandoc markdown to LaTeX converter
  - some additional fonts (`fontawesome`) and styles (like `qrcode`). Under Debian, running `apt-get install texlive-latex-base texlive-fonts-extra texlive-luatex texlive-pictures` shall be sufficient. Under Ubuntu, for some reason, the `qrcode` package is not included in `texlive-pictures` such that you'll need to setup it by hand as follows:

    ```
    # See http://www.ctan.org/tex-archive/macros/latex/contrib/qrcode
    $> wget http://mirrors.ctan.org/macros/latex/contrib/qrcode/qrcode.dtx
    $> wget http://mirrors.ctan.org/macros/latex/contrib/qrcode/qrcode.ins
    $> latex qrcode.ins       # shall produce qrcode.sty
    $> rm qrcode.dtx qrcode.ins
    ```

- [eventually] prepare a GNU Makefile able to compile your document
- You might want to use my generic Makefile for LaTeX, in which case you will need to place a `.Makefile.local` file at the root of your document having (for instance) the following content:

```
LATEX = $(shell which lualatex)
```

Then in addition to the addition of the LaTeX style file `ulhpc_newsletter1.sty` at the root of your document, you'll need:

- a copy of (or symlink to) the logos files (in PDF format) in a know path. They **should** be named `logo_UL.pdf` and `logo_ULHPC.pdf`;
- a copy of place the license logo file as `logo_licence.png`, again in a know path

You might want to place them in a separate folder (`logos/` for instance) in which case you shall adapt the `\graphicspath` variable as follows:
Finally, you'll probably want to initiate a certain number of variables / macros used in the style **prior to** the call to the style package. See the README.md for more details.

🏳 Last but not least

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http://hpc.uni.lu