The Falkor LaTeX Beamer Style

Overview and Usage

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Latest versions available on Github:

Beamer theme Falkor: https://github.com/Falkor/beamerthemeFalkor

Generic Makefiles: https://github.com/Falkor/Makefiles

Git bootstrapping script: https://github.com/Falkor/Makefiles/blob/devel/scripts/

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Summary

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Summary

Basic usage

- Get the latest version on Github

```
$> cd /path/to/cloning/dir
$> git clone https://github.com/Falkor/beamerthemeFalkor.git
```

- Copy beamerthemeFalkor.sty at the root of your LaTeXdocument
- Place the following code on your LaTeX file:

```
\usetheme{Falkor}
```

- That's all (normally).

  ↪ you might want to use my Generic Makefile for LaTeX

Full sample example

(*i.e.* these slides)

- To copy a full working example

```
$> cd /path/to/cloning/dir
$> git clone https://github.com/Falkor/beamerthemeFalkor.git
$> cd /path/to/working/dir
$> rsync -avzu -L -exclude "*.git" \
     /path/to/cloning/dir/beamerthemeFalkor/ .
$> make
```

- This will generate the file `sample_slides.pdf`.

  ↪ adapt accordingly...

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The scripted appraoch

Git sub-modules approach

- Assuming you want to use the theme in an existing git repo

```
$> cd /path/to/working/dir
$> git submodule add \
   https://github.com/Falkor/beamerthemeFalkor.git \
   .beamerthemeFalkor
$> ln -s .beamerthemeFalkor/beamerthemeFalkor.sty .
```

Changing the logo

- The logo used by the theme is `images/slide_image.jpg`
- To use another logo:

```
$> cd images
$> wget http://path/to/myimage.jpg
$> ln -sf myimage.jpg slide_image.jpg
```

Summary

Objectives of our work

- Better than assumptions/*a-priori*: concrete models and experiments

- Evaluate impact of the underlying hypervisor
  - ↪ at the heart of **any** cloud middleware so far
  - ↪ **lightweight**, **high-level** model of a **virtualized** machine.
- Evaluate a real HPC platform (or anything as close as possible)
  - ↪ concrete deployment on top of the Grid5000 platform
  - ↪ select benchmarking tools to reflect an HPC usage

[SBAC-PAD13] S. Varrette, M. Guzek, V. Plugaru, J. E. Sanchez, and P. Bouvry. "*HPC Performance and Energy-Efficiency of Xen, KVM and VMware Hypervisors*". In Proc. of the 25th IEEE Symposium on Computer Architecture and High Performance (SBAC-PAD'13), Oct 2013.

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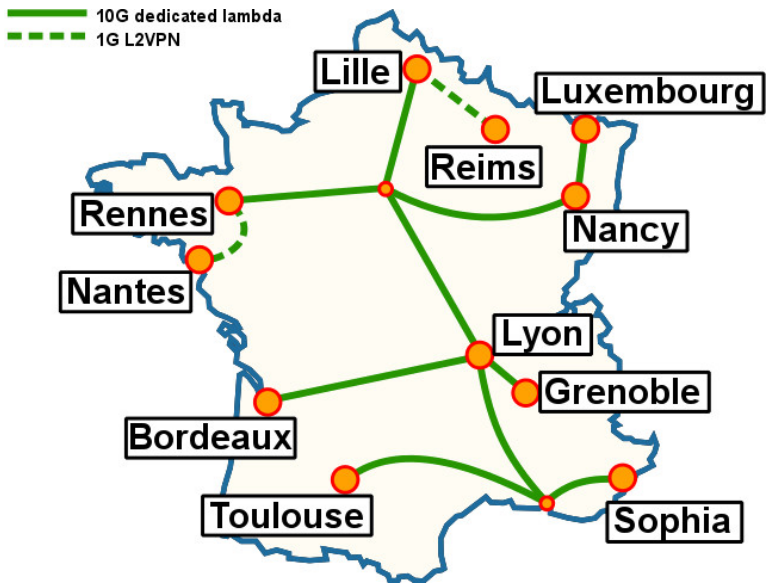
The Grid'5000 Testbed

http://www.grid5000.fr

- Large scale nation wide infrastructure
  - ↪ for large scale parallel and distributed computing research.



- 10 sites in France
- **Abroad**: Luxembourg, Porto Allegre
- Total: **7896** cores over **26** clusters
- 1-10GbE / Myrinet / Infiniband interconnect
- **Kadeploy** functionnality

A slide with listings

A JavaScript program

```
function fibo(n)
{
  if( n <= 1 )
  {
    return n;
  }
  var res = fibo(n-1) + fibo(n-2);
  return res;
}
n = parseFloat(arguments[1])
nn = fibo(n)
print(nn)
```

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Conclusion

- Summary point 1
- Summary point 2

Perspectives

- Improve point 1
- Improve point 2

Questions?

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Appendix

*Note: notice the slide number below...

Another appendix slide

Note again the slide number below...

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