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/

Summary

1 **Installation**

2 **Some example slides**

3 **Conclusion**

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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

- 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...

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
  ```

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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.
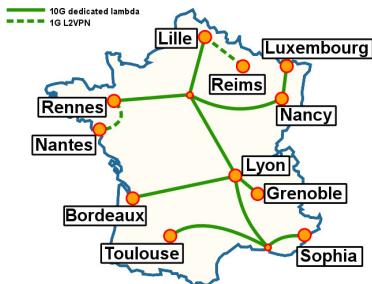
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The Grid'5000 Testbed

`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

```javascript
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)
```

Summary

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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...

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Another appendix slide

Note again the slide number below...

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