

## Click

## **Experiment**

**Future Internet Communication Technologies** 

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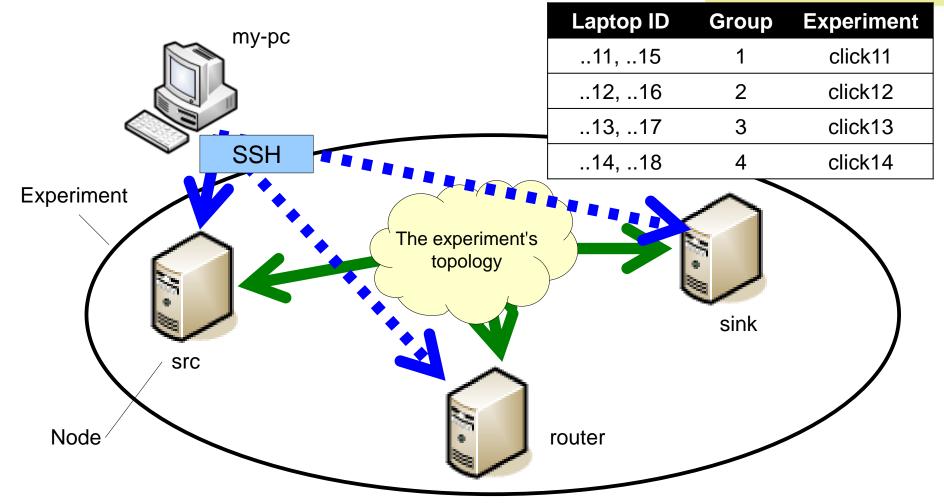
David Dietrich



## **Accessing the Experimental Nodes in FILab**

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e.g. ssh student@src.click11.filab.filab.uni-hannover.de

Node name

Experiment name

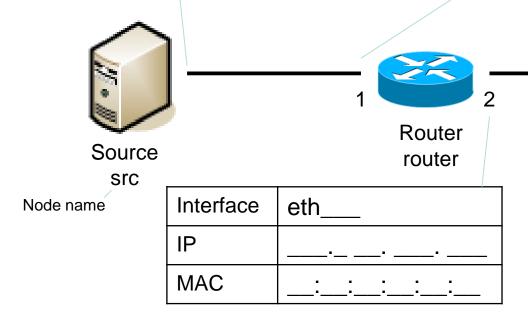




- Preparation: system interfaces of your nodes
  - Check interfaces with ifconfig

Interface	eth
IP	
MAC	_:_::::::

Interface	eth
IP	
MAC	::::



Interface	eth
IP	
MAC	_:_:_:_:_

Sink

sink

## **Example Configuration of the Node "sink"**

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SSH Login

Last login: Fri Apr 20 08:39:24 2012 from 130.75.73.1

[student@sink ~]\$ cd click11

[student@sink ~/click11]\$ Is

router.click sink.click source.click

Check your working group

[student@sink ~/click11]\$ more ./sink.click

FromDevice(eth25)->Counter->Discard;

[student@sink ~/click11]\$ vi ./sink.click

[student@sink ~/click11]\$ sudo /usr/local/click-git-20080715-dom0/sbin/click-install -C=/usr/local/click-git-20080715-dom0/lib ./sink.click

[student@sink ~/click11]\$ lsmod Module Size Used by

click 2228224 0 proclikefs 11860 4 click igb 122160 0

[student@sink ~/click11]\$ watch -n 1 "cat /proc/click/Counter@2/rate"

Statistics of click elements

at the receiver

- Edit the click configuration files for all 3 nodes
- Run Click and check if you receive packets at sink
- References
  - Future Internet course: Click tutorial and Lecture slides
  - Click Element list: http://ead.cs.ucla.edu/click/elements