Click Installation

Installation of Click Modular Router

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Requirements

- Unix system: Linux works in userlevel and kernelspace, FreeBSD has a port (only userlevel works)
- A recent GNU C++ compiler >= 3.0
- GNU Make
- For user-level Click: x86 or x86_64
- Not sure of the requirements? The ./configure script will tell you

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Download and configure

- A github clone version is used:
  `https://github.com/johanbergs/click`
- For bleeding-edge development:
  `https://github.com/kohler/click`
- Download and unzip Click in some directory
- Configure it, disabling the kernel module and enable your own local elements:

```
cd click-master
./configure --disable-linuxmodule --enable-local
    --enable-etherswitch
```

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Make and install

- Make Click (fast), inside the click-master directory: `make -j2`
- Click will now run: `userlevel/click conf/test.click`
- Output should be five times
  `ok:  40 | 45000028 00000000 401177c3 01000001 02000002 13691369`
- Do not run make install, every time you change elements you must do a make install, as root!

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Calling handlers

Start click

```
click -p <port_nr> <click_script>
click -p 10000 somescript.click
```

Connect to click with telnet

```
telnet localhost 10000
quit
read list // displays all elements
```

See SocketHandler element (automatically added)

```
read <elementname>.<handlername>
read rt.table
write <elementname>.<handlername> <values>
write arptable.insert 00:50:BA:85:84:B1 10.0.1.2
```

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