



Workshop on New Frontiers in Internet of Things
ICTP, Trieste - Italy

Blackadder: Practical Work

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Installation of Blackadder

- Go to blackadder repository at git hub:
 - <https://github.com/fp7-pursuit/blackadder>
- Download the instructions (Howto.pdf) and follow them
 - Just keep in mind to git clone blackadder:

Considerations

- create a new user called blackadder
- configure without the linux-module
- generate rsa keys:
 - ssh-keygen (enter to all)
 - uncomment the line for `.ssh/authorized_keys` in `/etc/ssh/sshd_config`. Restart the service.
 - `cat .ssh/id_rsa.pub | ssh destination 'cat >> .ssh/authorized_keys'`
 - check permissions: `.ssh` 700, and `authorised_keys` 600
- `make -j 4` (activate 4 cores)

Install Blackadder

- <https://github.com/fp7-pursuit/blackadder>
- remember first step is autoconf in src
- Make sure there is just one TM
- Make deployment tool
- Make sure you have installed BA (make install)
- get up the Topology Manager

Example 1

- `goto examples/samples/`
- compile publisher and subscriber
- get familiar with the code