Live Viewer: Installation

Installation

- Download the live-viewer from the git repository: Live Viewer in stash and unzip it
- install python-zmq
- install python-inotifyx (or on fedora: pip install inotifyx (this needs python-devel to be installed))

(tested versions:

  pyzmq version 14.0.1

  libzmq version 4.0.4

  inotifyx version 0.2.0)

Configuration

The live viewer as a configuration file for the sender and for the receiver located in **conf/**

Sender

Modify **sender.conf**:

- specify the monitored folder and the folder the "mv" should copy the data into:

  sender.conf

  ```
  # folder you want to monitor for changes
  # inside this folder only the subdirectories "commissioning", "current" and
  "local" are monitored
  watchFolder        = ...
  # Target to move the files into
  cleanerTargetPath  = ...
  ```

- specify the file format to be monitored:

  sender.conf

  ```
  # the formats to be monitored, files in an other format will be be
  neglected
  monitoredFormats    = [".tif", ".cbf"]
  ```

- specify the hosts which are allowed to connect to the sender: e.g.

  sender.conf

  ```
  # list of hosts allowed to connect to the sender
  receiverWhiteList   = ["zitpcx19282", "zitpcx22614", "lsdma-lab04"]
  ```

Receiver for LiveViewer

Modify **receiverLiveViewer.conf**:

- specify the target folder for the ring buffer:

receiverLiveViewer.conf

```
# where incoming data will be stored to"
targetDir           = ...
```

- specify the ip where the sender is running: e.g.

receiverLiveViewer.conf

```
# IP of dataStream-socket to send signals back to the sender
senderComIp         = lsdma-lab04.desy.de
```

- specify the size of the ring buffer: e.g.

receiverLiveViewer.conf

```
# size of the ring buffer for the live viewer
maxRingBufferSize = 10
```