

datalinkclient(1)

Name

datalinkclient - Example client to stream miniseed over datalink.

Synopsis

datalinkclient [-vV] [--help] [-h=<host>] [-m=<match>] [--max=<maxRecords>] [-o=<outputFile>] [-p=<port>] [--timeout=<timeoutSec>]

Description

Datalinkclient is an example client that can connect to a datalink service and stream miniseed to a file. [View source code here.](#)

The datalink protocol is specified here:

<https://iris-edu.github.io/libdali/datalink-protocol.html>

Options

-h, --host=<host>

host to connect to, defaults to IRIS, rtserve.iris.washington.edu

--help

display a help message

-m, --match=<match>

match pattern, as a regular expression. For miniseed the conventions is NN_SSS_LL_CCC/MSEED

--max=<maxRecords>

number of packets to receive before ending the connection, defaults to 10

-o, --out=<outputFile>

Output file (default: print to console)

-p, --port=<port>

port to connect to, defaults to IRIS, 18000

--timeout=<timeoutSec>

timeout seconds, defaults to 120

-v, --verbose

Verbose

-V, --version

Print version and exit

Examples

Ask for a few packets of HH. data from station CO.BIRD, and output to a file.

```
> datalinkclient -m CO_BIRD_00_HH./MSEED --max 3 -o bird.mseed -v
initConnection to rtserve.iris.washington.edu:18000
Connection made
sendId
send 'ID seisFile:unknown:42:java | '
not bytes available 0
readPacket
readPacket(): blocking read for 3 bytes, available=53
Server ID: ID DataLink 2020.075 :: DLPROTO:1.0 PACKETSIZE:512
send 'MATCH | CO_BIRD_00_HH./MSEED'
send 'STREAM | '
readPacket(): blocking read for 3 bytes, available=0
Response: OK
readPacket(): blocking read for 3 bytes, available=0
D CO.BIRD.00.HHE 2021,161,19:12:55.0400 3.15 315
readPacket(): blocking read for 3 bytes, available=6060
D CO.BIRD.00.HHE 2021,161,19:12:58.1900 3.14 314
send 'ENDSTREAM | '
readPacket(): blocking read for 3 bytes, available=5454
D CO.BIRD.00.HHE 2021,161,19:13:01.3300 3.14 314
readPacket(): blocking read for 3 bytes, available=4848
D CO.BIRD.00.HHE 2021,161,19:13:04.4700 3.12 312
readPacket(): blocking read for 3 bytes, available=4242
D CO.BIRD.00.HHE 2021,161,19:13:07.5900 3.2 320
readPacket(): blocking read for 3 bytes, available=3636
D CO.BIRD.00.HHE 2021,161,19:13:10.7900 3.37 337
readPacket(): blocking read for 3 bytes, available=3030
D CO.BIRD.00.HHE 2021,161,19:13:14.1600 3.27 327
readPacket(): blocking read for 3 bytes, available=2424
D CO.BIRD.00.HHE 2021,161,19:13:17.4300 3.19 319
readPacket(): blocking read for 3 bytes, available=1818
D CO.BIRD.00.HHE 2021,161,19:13:20.6200 3.26 326
readPacket(): blocking read for 3 bytes, available=1212
D CO.BIRD.00.HHE 2021,161,19:13:23.8800 3.25 325
readPacket(): blocking read for 3 bytes, available=606
D CO.BIRD.00.HHE 2021,161,19:13:27.1300 3.24 324
readPacket(): blocking read for 3 bytes, available=0
```