

uebung01 ▾release ▾

TokenRing ▾

uebung01 [TokenRingUDP] C:\Users\timur\Documents

> .idea

> lib

> out

> src

Token

TokenRing

> test

.gitignore

README.md

TokenRingUDP.iml

TokenRingUDP.jar

> External Libraries

> Scratches and Consoles

Token.java

TokenRing.java ×

1> import ...

4

5

6public class TokenRing { Peter Sturm

7

8private static void loop(DatagramSocket socket, String ip, int port, boolean first){ 2 usages Peter Sturm

9LinkedList<Token.Endpoint> candidates = new LinkedList<>();

10if (first) {

11candidates.add(new Token.Endpoint(ip, port));

12}

13while (true) {

14try {

15Token rc = Token.receive(socket);

16System.out.printf("Token: seq=%d, #members=%d", rc.getSequence(), rc.length());

17for (Token.Endpoint endpoint : rc.getRing()) {

18System.out.printf(" (%s, %d)", endpoint.ip(), endpoint.port());

19}

20System.out.println();

21if (rc.length() == 1) {

22candidates.add(rc.poll());

23}

RunTokenRing ×TokenRing ×

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Token: seq=213, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=215, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=217, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=219, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=221, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=223, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=225, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Token: seq=227, #members=2 (192.168.2.111, 60227) (192.168.2.111, 59457)

Age Group	Percentage
18-24	~1%
25-34	~25%
35-44	~15%
45-54	~10%
55-64	~10%
65-74	~10%
75-84	~10%
85-94	~10%
95+	~1%

- ▶ Frame 5: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF\_{Loopback}, id 0
- ▶ Null/Loopback
- ▶ Internet Protocol Version 4, Src: 192.168.2.111, Dst: 192.168.2.111
- ▼ User Datagram Protocol, Src Port: 60227, Dst Port: 59457
  - Source Port: 60227
  - Destination Port: 59457
  - Length: 104
  - Checksum: 0x0f42 [unverified]
  - [Checksum Status: Unverified]
  - [Stream index: 0]
  - ▶ [Timestamps]
  - UDP payload (96 bytes)
- ▼ Data (96 bytes)
  - Data: 7b2273657175656e6365223a37392c2272696e67223a5b7b226970223a223139322e3136382e322e31313122c22706f7274223a36303232377d2c7b226970223a223139322e3136382e322e31313122c22706f7274223a35393435377d5d7d
  - [Length: 96]

0000	02 00 00 00 45 00 00 7c	4a 38 00 00 80 11 00 00	....E..   J8.....
0010	c0 a8 02 6f c0 a8 02 6f	eb 43 e8 41 00 68 0f 42	...o...o .C.A.h.B
0020	7b 22 73 65 71 75 65 6e	63 65 22 3a 37 39 2c 22	{"sequen ce":79,"
0030	72 69 6e 67 22 3a 5b 7b	22 69 70 22 3a 22 31 39	ring":[{"ip":"19
0040	32 2e 31 36 38 2e 32 2e	31 31 31 22 2c 22 70 6f	2.168.2. 111","po
0050	72 74 22 3a 36 30 32 32	37 7d 2c 7b 22 69 70 22	rt":6022 7},{ "ip"
0060	3a 22 31 39 32 2e 31 36	38 2e 32 2e 31 31 31 22	:"192.16 8.2.111"
0070	2c 22 70 6f 72 74 22 3a	35 39 34 35 37 7d 5d 7d	,"port": 59457}}}]

No.: 5 · Time: 3.024221 · Source: 192.168.2.111 · Destination: 192.168.2.111 · Protocol: UDP · Length: 128 · Info: 60227 → 59457 Len=96

☒ Paketbytes anzeigen

Schließen

Hilfe